National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Gujarat
Monthly Progress Report of PRS Amlakhadi for May - 2021.

Overall status of the State:

I. **Total Population:** Urban Population – 2,57,45,083, Rural Population – 3,46,94,609 (Census - 2011)

II. **Estimated Sewage Generation (MLD):** 4003 MLD

III. **Details of Sewage Treatment Plant:**

- Existing no. of STPs and Treatment Capacity (in MLD): 73 nos, 3485 MLD
  [7 under construction STPs are now complete and are now under trial run i.e additional 183.56 MLD]
- Capacity Utilization of existing STPs: 2739 MLD
  [additional utilization capacity as on May 2021 – 192.95 MLD from existing + newly commissioned STPs]
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
  [334.44 MLD - Gap considering 3668.56 MLD treatment capacity i.e 3485 MLD + 183.56 MLD]
- No. of Operational STPs: 73 [80 as on May 2021]
- No. of Complying STPs: 15
- No. of Non-complying STPs: 27 (including STPs not obtained CTE & CCA)
- ULBs having Oxidation ponds: 9
- Site of the STPs not visited: 17
- STPs not in operation during the site visit:3
- Details of STPs not available: 2
- STPs just commissioned / under trial run: 7
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 16, ➢ Non complying: 18 (Please refer Annexure VI) *(as per CM dash board data for **April - 2021**, available on Board's website)

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Gujarat	44143	Not available	Out of 12815 water polluting industries 12700 industries having ETP. 12551 ETPs are complying with norms.	Existing CETPs : 34 Propose/Under construction/under expansion: 19

V. Solid Waste Management:

Particulars	Data
Total number of Urban Local Bodies and their population	162
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF	• There are total No. 755 of Plants for Vermi / Aerobic/ anaerobic Composting of installed processing capacity 7477 TPD. • There are 232 plants Material Recovery Facilities (MRF) with processing capacity of 5441.93 TPD installed capacity. • There are 5 plants of RDF with processing of 1390.25 TPD. • Biogas 29 plants with capacity of 1086 TPD.
Action plan to bridge gap between installed capacity and current utilization of processing facilities (if gap > 20%)	Gap is less than 20% hence not applicable.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	There are 2 Processing plants C & D Waste with processing capacity of 1300 TPD.
Total no. of wards: no. of wards having door to door collection service: no. of wards practicing segregation at source falling into PRS:	1418 1418 Information not available
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Information not available
No. and area (in acres) of uncontrolled garbage dumpsites and sanitary landfills.	Information not available
No. and area (in acres) of legacy waste within 1km. buffer on both side of the PRS	Information not available
No. of drains falling into PRS and no. of drains having floating racks/screens installed to prevent solid waste from falling into PRS	Not provided, however in-situ remediation at Ankleshwar and Kheda municipalities are under implementation. It will be commenced in all 7 municipalities related to PRS within one month after positive results of technology.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Details are being prepared.					

VI. Bio-medical Waste Management:

- Total Bio-medical generation(Related to entire State): 36.42 MT/day

  Total Bio-medical generation(Related to PRS): 27.54 MT/day

- No. of Hospitals and Health Care Facilities(Related to entire State): 31286

No. of Hospitals and Health Care Facilities(Related to PRS): 28399

- Status of Treatment Facility/ CBMWTF(Related to entire State)
  : Existing – 20, Proposed – 1
  Capacity – 126 MT/day

Status of Treatment Facility/ CBMWTF(Related to PRS): Existing – 16
Capacity – 108 MT/day

VII. Hazardous Waste Management:

- Total Hazardous Waste generation:2.5 to 2.7 MMT as per HW inventory which includes landfill, incineration, recycling and co-processing. (It depends upon the industrial operation of the year)
- No. of Industries generating Hazardous waste: About 19683 as per HW inventory 19-20
- Treatment Capacity of all TSDFs: Total installed capacity about 8626332MT
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated: 1.3 MMT as per HW inventory 19-20
- Details of on-going or proposed TSDF: 7 nos. proposed TSDF having total installed capacity about 36lac MT

VIII. Plastic Waste Management:

Details		Quantity/Capacity
• Plastic waste generated:		408201.08 TPA (April 2019-March 2020)
• Treatment/Measures adopted for reduction or management of Plastic waste:		
Disposal of Plastic Waste through	Co-processing	109157.435 MT (from April 2019 to August 2020)
	Recycler	Total no. recycling units: 597 Capacity of recycling plastic waste: 11,13,526.56 MT/Y
	Refuse Derived Fuel	MSW units : 2 Quantity of final product sold is 129,575 MT/Annum containing 7 % of plastic waste i.e. 9071 MT/Annum (April 2019-March 2020)
	Pyrolysis	Total no. of operational units: 2 Cap. to convert plastic waste into oil: 5075 TPA Plastic used as raw material: 600 MT/M

IX.	Details of Alternate Treatment Technology being adopted by the State/UT:

-Ahmedabad & Vadodara Municipal Corporations have set up dry sewage sludge hygienisation Cobalt – 60 gamma irradiation plant. (Ahmedabad Municipal Corporation - 100 tonnes per day)

- Legacy waste treatment at Pirana dumping site, Ahmedabad.

X.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment:
Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan. Proposal not received from PRH & RDD/ Concerned for in-situ remediation.	
XI.	Details of Nodal Officer appointed by Chief Secretary in the State/UT:
In compliance to the direction of Hon'ble NGT with reference to set up of Monitoring Mechanism, Deputy Environmental Engineer (ShriT.C.Patel) has been deputed vide letter dated 10.06.2020 at Chief Secretary office to look after the Hon'ble NGT matters.	
XII.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
All NGT matters are being reviewed regularly under chairmanship of Hon'ble CS.Total 2 review meetings are conducted so far under the chairmanship of Hon'ble CS to monitor the progress with reference to the action plans submitted w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 673/2018and to resolve various issues/non -compliances. Last meeting was convened on 10/09/2020 under the chairmanship of Hon'ble Chief Secretary Gujarat State. Two review meetings have been convened so far w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 606/2018 which also includes the review of matters related to O.A. No.:-673/2018.	
XIII.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;
Details are attached as **Annexure – II**	
XIV.	Ground water regulation:
GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" Final comments /suggestions were sought by GWRDC vide letter dated 02/11/2020 from concerned departments for finalization of the draft bill. Seven meetings of sub-committee have been convened so far for finalization of the draft bill. The final draft bill was approved by the sub-committee during the meeting held on 12/11/2020 as per the minutes of meeting. The final draft of the bill has been submitted to the Chairman of the Committee and Special Secretary, (WR), Narmada Water Resource, Water Supply &Kalpsar department, Govt. of Gujarat, for consideration in the main committee meeting.	
XV.	Good irrigation practices being adopted by the State:

XVI.	Rain Water Harvesting:
XVII.	Demarcation of Floodplain and removal of illegal encroachments:
XVIII.	Maintaining minimum e-flow of river:
Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date is attached as **Annexure – III.**	
XIX.	Plantation activities along the rivers:
Details w.r.t point no. XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV**	
XX.	Development of biodiversity park:
As per the information received from GBB, vide letter dated 24.04.2020, Forest Dept. has established a very rich Botanical Garden at Waghai, Dangs. It also has a chain of Research Stations, Germ Plasms Banks, Provenance Banks, Sample Plots, Preservation Plots spread all over the State. Many working plans have Conservation or Preservation Working Circles for the express purpose of Biodiversity Conservation. The National Working Pan Code 2014 also mandates a Biodiversity Conservation Working Circle. All plans coming up for revision now shall have a Biodiversity Conservation Working Circle. Besides a host of Biodiversity based activities like Cactus Park, Ekta Van, Ekta Nursery, and Nutritional Park etc., have come up at Statue of Unity. Moreover, Shakkarbaug Zoo is an "A" Category zoological park along with many other zoological parks at Rajkot, Ahmedabad, Gandhinagar, Vadodara, Surat, Kevadiya etc. All these are repositories of biodiversity. Therefore, these may be treated as a Biodiversity park is totality. GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 Crore for the development of Biodiversity Park. Team suggested tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.	
XXI.	Reuse of Treated Water:
Details are attached as **Annexure – V**	
XXII.	Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:
River Sabarmati has been selected as model river stretch during the 9thRRC meeting held on 27.11.2020.	
XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:
Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is	

being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms.

STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.

XXIV.	Regulation of Mining Activities in the State/UT:

Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.

XXV.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring

- Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 .
- Number of closure directions to defaulting units under section 31 A of Air Act – 1981: 5703 respectively.
- Number of notice of directions to defaulting units under section 33 A of Water Act – 1974: 17263.
- Number of closure directions to defaulting units under section 33 A of Water Act – 1974: 11383.
- Number of notice of directions under rule 4(2) of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 4130
- Number of closure directions under section 5 of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 1583

(As per Annual report – 2018-19)

***Note: Incremental progress made by the State/UT in each activity to be provided.**

RRC meetings:

RRC meetings are regularly being held at GPCB, Gandhinagar to review the progress and the minutes of the meeting having progress status, is regularly submitted to CPCB. Last RRC (9th

RRC) meeting was conducted on 27/11/2020. Following are the gist of main points discussed during the meeting:

- Concerned departments / authorities/ organizations were asked to submit proposals with elongated /revised timeline for completion of the projects with the justification
- Concerned departments / authorities/ organizations were asked to furnish details of incremental progress of the projects & activities proposed under the Action Plans of Polluted River Stretches
- All the concerned Municipal Corporations &Nagapalikas were asked to submit the list of STPs not complying with the norms and proposals for up-gradation of the STPs not complying with the norms along with the timeline for completion of the same.
- GWSSB was asked to submit STP wise progress of land issues on monthly basis to RRC and GPCB.
- River Sabarmati has been selected as model river stretch.

STPs:

Sr. No.	**Proposed STP details**	**Status**
1.	14 MLD STP (Ankleshwar Nagar Palika)	• Land is available. Work order given. (revised time line – 31/12/2022) • A meeting was held on 13/01/2021 under the chairmanship of ACS PRH&RDD for management of sewage, from villages being discharged in to the 6 PRS. During the meeting, looking to the magnitude & importance of the work, it was decided to seek the extension of time limit for further 3 years.

CETPs: There is no any direct wastewater discharge from any CETP in to Amlakhadi

Annexure-I (A)

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
1	Ahmedabad Pirana 2009	60	60	Operational	Non Compliance	
2	Ahmedabad Old Pirana 2004	106	106	Operational	Non Compliance	SCN-587981
3	Ahmedabad Pirana 2009	180	180	Operational	Non Compliance	
4	Ahmedabad Vasna 2004	126	126	Operational	Non Compliance	
5	Ahmedabad Vasna 2009	35	35	Operational	Compliance	
6	Ahmedabad Vasna 2011	240	235	Operational	Compliance	
7	Ahmedabad Vinzol 2011	70	70	Operational	Compliance	
8	Ahmedabad Vasna 2018	48	48	Operational	Compliance	
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Compliance	
10	Ahmedabad Vinzol 2020	35	30	Operational	Compliance	
11	Ahmedabad Arvind Mill	8	8	Operational	Compliance	
12	Ahmedabad Rasala	1	1	Operational	Not in operation during site visit	
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Site not visited	Only obtained ID, Not applied for CTE/CCA
14	Ahmedabad V S Hospital	1	1	Operational	Compliance	
15	Ahmedabad Nikol	0.5	0.5	Operational	Details not available	
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Compliance	
17	Ahmedabad Lambha	5	2	Operational	Details not available	
18	Surat Singanpore 2003/2014	155	147.58	Operational	Compliance	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
19	Surat Karanj 1999/2015	140	136.59	Operational	Site not visited	
20	Surat Bhatar 1999/2014/2017	162	162	Operational	Site not visited	
21	Surat Anjana 1995/2007/2019	122	121	Operational	Site not visited	
22	Surat Bamroli 2008/2019	100	100	Operational	Non Compliance	SCN-591844
23	Surat Bhesan 1995/2009/2020	200 (100 existing + 100 proposed expansion)	120.52	Operational	Site not visited	
24	Surat Khajod 2011	25	24.20	Operational	Site not visited	
25	Surat Asarama 2011	15	15	Operational	Non Compliance	SCN-591208
26	Surat Dindoli 2012/2019	167	72.50	Operational	Site not visited	
27	Surat Variav-Kosad 2012/2017	134	131	Operational	Compliance	
28	Surat Gavier 2016	53	16	Operational	Non Compliance	SCN-589968
29	Vadodara Tarsali	52	58	Operational	Non Compliance	SCN-591157
30	Vadodara Gajarawadi	66	72	Operational	Non Compliance	SCN-591155
31	Vadodara Kapurai	43	50	Operational	Non Compliance	SCN-591156
32	Vadodara Rajivnagar	78	55	Operational	Compliance	
33	Vadodara Sayaji garden	8.5	7	Operational	Non Compliance	
34	Vadodara Channi	21	21	Operational	Non Compliance	SCN-590935
35	Vadodara Atladara (old)	43	51	Operational	Non Compliance	SCN-28/05/2021
36	Vadodara Atladara (new)	43	43	Operational	Non Compliance	SCN-28/05/2021
37	Gandhinagar Jaspur 2007	76	45	Operational	Non Compliance	SCN-589724

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Non Compliance	
39	Gandhinagar Basan 2011-12	2	1.0	Operational	Non Compliance	SCN-590220
40	Rajkot Nr Raiya village 2010	51	45	Operational	Site not visited	
41	Rajkot Raiyadhar 2017	56	35	Operational	Compliance	
42	Rajkot Nr Madhapar 2018	44.5	16	Operational	Non Compliance	
43	Rajkot Nr Kothariya Village 2017	15	9	Operational	Non Compliance	
44	Rajkot Gavaridad 2018	70	35	Operational	Non Compliance	
45	Rajkot Madhapar 2019	80	30	Operational	Non Compliance	SCN-5858200
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Site not visited	
47	Bhavnagar Behind Excel industries	45	40	Operational	Site not visited	
48	Jamnagar Navagam Ghed	70	70	Operational	Site not visited	
49	Gandhidham - Anjar	30.00	22	Operational	Site not visited	
50	Patan	25.00	13	Operational	Site not visited	
51	Nadiad	51.26	20	Operational	Not in operation	
52	Siddhpur	5.62	5	Operational	Oxidation pond	
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond	
54	Sanand	20.50	0	Non - Operational	Site not visited	
55	Himmatnagar	17.51	6	Operational	Site not visited	
56	Petlad	10.37	8	Operational	Non Compliance	
57	Dholka	13.60	8	Operational	Non Compliance	
58	Savarkundla	13.90	5	Operational	Oxidation	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
					pond	
59	Gadhda	6.50	2	Operational	Oxidation pond	
60	Kathlal	3.80	2.59	Operational	Oxidation pond	
61	Mahudha	2.10	1.76	Operational	Oxidation pond	
62	Bayad	4.00	2.06	Operational	Oxidation pond	
63	Patadi	2.80	1.33	Operational	Oxidation pond	
64	Sojitra	2.30	2	Operational	Oxidation pond	
65	Dwarka	7.50	2.28	Operational	Site not visited	Not obtained CTE/CCA
66	Godhra	27.60	4	Operational	Site not visited	
67	Bhuj	23.70	19	Operational	Non Compliance	Not obtained CTE/CCA
68	Bhachau	10	4	Operational	Non compliance	Not obtained CTE & CCA
69	Anand (Lambhvel)	33	9	Operational	Compliance	Not obtained CTE/CCA
70	Anand (TP-8)	13.5	2.5	Operational	Non Compliance	SCN-589391
71	Surendranagar	32.3	17	Operational	Compliance	
72	Valsad-1	20.2	2	Operational	Not in operation during site visit	
73	Morbi	28.8	6	Operational	Non Compliance	
Total		3598.86	2915.91			

New STPs under trail run.

74	Jasdan	8.80	4.0	Under trial run	
75	Tharad	4.80	2.5	Under trial run	
76	Dehgam	7.60	4.0	Under trial run	
77	Dhangadhra	11.60	1.04	Under trial run	
78	Porbandar	19.10	3.0	Under trial run	
79	Bardoli	11.30	0.0	Under trial run	
80	Vyara	6.50	1.50	Under trail run	
Total		69.7	16.04		

CTE: Consent to Establish, CC&A: Consolidated Consents and Authorization.

Annexure-I (B)

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1.	Ahmedabad Vinzol	100	95%	Completed	31/08/2021
2.	Ahmedabad Pirana	155	93%	Completed	31/08/2021
3.	Ahmedabad Maleksaban	30	30%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	02%	Completed	31/12//2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	SuratSinganpore	100	98%	Completed	31/07/2021
7.	SuratBhatar	115	74%	Completed	31/07/2021
8.	SuratBamroli	115	77%	Completed	28/02/2022
9.	SuratAsarma	22.5	54%	Completed	05/04/2022
10.	SuratKhajod	30	36%	Completed	30/11/2021
11.	Vadodara Kapurai	60	78%	85%	31/12/2021
12.	Vadodara Chhani	50	40%	Completed	31/12/2021
13.	Vadodara Bhayli	45	45%	Completed	28/02/2022
14.	Vadodara Sayaji garden	7.5	65%	Completed	28/02/2022
15.	Rajkot Kothariya, on NH bypass	15	25%	Completed	07/09/2021
16.	Bhavnagar Axcel Industries	50	42%	Completed	31/05/2022
17.	JunagadhBilkha Road, Near CBSE School	8.2	70%	Completed	03/09/2021
18.	Rajula	5.70	13%	Completed	31/10/2021
19.	Bagasara	5.90	14%	Completed	31/10/2021
20.	Chalala	2.80	90%	Completed	31/08/2021
21.	Mahuva	16.30	90%	Completed	31/08/2021
22.	Talaja	5.80	80%	Completed	31/08/2021
23.	Una	11.70	96%	Completed	31/08/2021
24.	Bantva	2.60	98%	Completed	31/08/2021
25.	Mansa	5.00	45%	Completed	31/08/2021
26.	Dhanera	4.00	48.00%	Completed	15/11/2021
27.	Bhabhar	3.50	45%	Completed	25/09/2021
28.	Thara	3.60	45%	Completed	15/11/2021
29.	Kadi	12.80	55%	Completed	05/09/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
30.	Unjha	11.60	81%	Completed	31/08/2021
31.	Visnagar-1	12.00	97.00%	Completed	31/07/2021
32.	Visnagar-2	5.30	75%	Completed	31/08/2021
33.	Kheralu	2.90	90%	Completed	10/11/2021
34.	Vijapur	4.10	50%	Completed	10/11/2021
35.	Radhanpur	6.00	15%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	13/06/2022
36.	Idar	7.40	91.00%	Completed	31/08/2021
37.	Khedbrahma	5.80	91.00%	Completed	31/08/2021
38.	Prantij	3.70	91%	Completed	31/08/2021
39.	Talod	3.60	17%	Completed	30/10/2021
40.	Vadali	3.80	5%	Completed	30/10/2021
41.	Jambusar	5.90	62%	Completed	16/10/2021
42.	Amod	3.10	62%	Completed	16/10/2021
43.	Bilimora	8.30	15%	Completed	04/03/2022
44.	Gandevi	2.60	20%	Completed	31/03/2022
45.	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
46.	Dharampur	4.10	62%	Completed	31/08/2021
47.	Borsad	9.80	95%	Completed	31/08/2021
48.	Umreth	6.10	61%	Completed	25/08/2021
49.	Dahod	13.70	98.00%	Completed	31/07/2021
50.	Zalod	4.60	95%	Completed	31/07/2021
51.	Devgadhbariya	3.80	79%	Completed	31/07/2021
52.	Santrampur	2.91	41%	Completed	21/09/2021
53.	Kalol (P)	4.77	55%	Completed	09/09/2021
54.	Shehra	2.80	26%	Completed	30/09/2021
55.	Chhotaudepur	5.00	96%	Completed	31/07/2021
56.	Padra	5.60	82%	Completed	20/08/2021
57.	Viramgam	4.50	85%	Completed	31/08/2021
58.	Bavla	5.80	35%	Completed	12/12/2021
59.	Dhandhuka	7.50	95%	Completed	31/07/2021
60.	Bareja	3.10	85%	Completed	31/07/2021
61.	Chaklasi	4.90	0.00%	Completed	31/03/2022
62.	Kapadwanj	6.20	32%	Completed	10/12/2021
63.	Mehmdabad	5.60	60%	Completed	17/11/2021
64.	Dakor	4.90	32%	Completed	10/12/2021
65.	Kheda	5.20	43%	Completed	17/11/2021
66.	Chotila-1	2.30	22%	Completed	30/09/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
67.	Chotila-2	1.70	15.00%	Completed	30/09/2021
68.	Wadhwan	12.10	0.00%	Completed	31/03/2022
69.	Barwala	2.90	14%	Completed	17/09/2021
70.	Harij	3.00	60%	Completed	31/12/2021
71.	Chanasma	2.50	0.00%	Completed	31/12/2021
72.	Ode	2.50	35%	Completed	09/09/2021
73.	Karjan	5.20	30%	Completed	09/12/2021
74.	Vadnagar	5.94	95.00%	Completed	30/09/2021
75.	Botad	32.00	86.00%	Completed	31/07/2021
76.	Morbi-2	9.30	95%	Completed	31/07/2021
77.	Jetpur	23.50	95%	Completed	31/07/2021
78.	Gondal	16.50	55%	Completed	30/09/2021
79.	Amreli	18.20	77.00%	Completed	31/07/2021
80.	Kalol	23.50	16.00%	Completed	30/06/2022
81.	Palanpur	21.30	3.00%	95%	30/06/2022
82.	Deesa	17.00	70.00%	Completed	30/09/2021
83.	Bharuch	29.32	82.00%	90%	30/09/2021
84.	Vapi-1	14.00	55.00%	Completed	30/09/2021
85.	Anand-3	6.50	95%	Completed	31/08/2021
86.	Porbandar-1	12.80	82.00%	Completed	31/08/2021
87.	Damnagar	2.80	0.00%	Completed	11/02/2022
88.	Lathi	3.80	0.00%	Completed	11/02/2022
89.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1536.64			

New STPs for which work order given.

90.	Bhavnagar Akwada	19.2	7%	Completed	31/12/2022
91.	Anklav	3.60	20%	Completed	04/03/2022
92.	Khambhat-1	6.80	2%	Completed	04/06/2022
93.	Khambhat-2	4.50	2%	Completed	04/06/2022
94.	Thangadh	9.00	0.00%	Completed	07/06/2022
95.	Balasinor	6.50	2%	Completed	22/04/2022
96.	Savli	2.5	5%	Completed	18/04/2022
97.	Dabhoi	8.96	1%	Completed	18/04/2022
98.	Kanjari	3.3	16%	Completed	18/04/2022
99.	Halvad	6.7	0.00%	Completed	17/07/2022
100.	Rajpipla	5.02	5%	Completed	17/07/2022
101.	Pardi	4.60	0.0%	Completed	14/06/2022
102.	Mandvi Surat	3.50	0.0%	Completed	15/06/2022
103.	Ankleshwar	14.0	0.0%	Completed	15/09/2022
104.	Umargam	6.48	0.0%	Completed	14/09/2022
105.	Karamsad	7.0	0.0%	Completed	14/09/2022
106.	Boriavi	3.30	2%	Completed	14/09/2022

107.	Lunavada	5.60	0.0%	Completed	16/09/2022
108.	Palitana	10.81	0.0%	Completed	31/03/2022
Total		131.37			

Total STPs under construction: 1536.64+131.37=1668.01 MLD

Annexure-I (C)

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1.	Ahmedabad Dafnala	25	LOI Given	31/12/2022
2.	Vadodara Tarsali	100	Revised DPR under scrutiny	31/12/2022
3.	Vadodara Atladara	83	Tender to be re- invited	31/12/2022
4.	Vadodara Gajarawadi	93	Revised DPR under scrutiny	31/12/2022
5.	GandhinagarSargasan	50	LOI Given	31/12/2022
6.	Jamnagar Nr Rangmati River	50	DPR Stage	31/12/2022
7.	Junagadh Kalva	15.50	Work order given	31/12/2022
8.	Junagadh Zanzarda	11.00	Work order given	31/12/2022
9.	Junagadh near Lol river	29.50	Work order given	31/12/2022
10.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
11.	Bhanvad	3.00	Tender under approval	31/03/2022
12.	Visavadar	3.40	Tender recently approved	31/03/2022
13.	Lunawada	5.60	Tender under approval	31/03/2022
14.	Okha	10.10	Tender under approval	31/03/2022
15.	Beyt (near Okha)	1.20	Tender under approval	31/03/2022
16.	Khambhalia	5.50	Tender under approval	31/03/2022
17.	Salaya, Jamnagar	6.20	Tender under approval	31/03/2022
18.	Jamjodhpur	3.60	Tender recently approved	31/03/2022
19.	Wankaner	5.80	Tender recently approved	31/03/2022
20.	Chhaya	13.10	Tender under approval	31/03/2022
21.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
22.	Veraval- Patan	33.90	Tender to be invited	31/03/2022
23.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
24.	Babra	4.00	Under Tender	31/12/2022

			evaluation	
25.	Kodinar	5.60	Under Tender evaluation	31/12/2022
26.	Sutrapada	4.00	Tender tobe invited	31/12/2022
27.	Talala	3.80	Under Tender evaluation	31/12/2022
28.	Chorvad	3.70	Tender recently approved	31/12/2022
29.	Halol	11.60	Tender to be invited	31/12/2022
30.	Thasra	2.30	Tender to be invited	31/12/2022
31.	Mandvi-2 (Salaya)	3.20	Tender to be invited	31/12/2022
32.	Mandvi-1 (JT Grounds)	5.30	Tender to be invited	31/12/2022
33.	Jamraval	2.60	Tender to be invited	31/12/2022
34.	Dhrol	3.60	Under tender evaluation.	31/12/2022
35.	Kalavad	4.50	Tender under approval	31/12/2022
36.	Maliya	2.50	Tender to be invited	31/12/2022
37.	Kutiyana	2.90	Tender under approval	31/12/2022
38.	Ranavav-1 (Adityana)	3.00	Tender under approval	31/12/2022
39.	Ranavav-2	4.50	Tender under approval	31/12/2022
40.	Dhoraji	12.90	Tender recently approved	31/12/2022
41.	Bhayavadar	3.10	Tender to be invited	31/12/2022
42.	Manavadar	4.90	Tender recently approved	31/12/2022
43.	Pethapur	3.80	DPR stage	30/06/2022
44.	Sikka	2.90	Tender recently approved	31/12/2022
45.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
46.	Mahesana-1	23.18	Under Tender evaluation	31/03/2022
47.	Mahesana-2	18.46	Under Tender evaluation	31/03/2022
48.	Jafrabad	5.4	Tender online	31/12/2022
49.	Gariyadhar	7.1	Under Tender evaluation	31/12/2022
50.	Shihor	8.9	Under Tender evaluation	31/12/2022
51.	Mangrol	9.6	DPR/DTP stage	31/12/2022
52.	Vanthli	2.2	DPR/DTP stage	31/12/2022
53.	Modasa	12.0	Under Tender evaluation	31/12/2022
54.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
55.	Songadh	4.5	Tender recently approved	31/12/2022
56.	Limdi	7.4	DPR/DTP stage	31/12/2022
57.	Bhachau	1.0	Tender under approval	31/12/2022

58.	Rapar	5.2	Under tender evaluation.	31/12/2022
59.	Upleta	8.9	DPR/DTP stage	31/12/2022
60.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		856.57		

Newly proposed STPs.

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
61.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
62.	Gandhinagar Bhat	30	DPR Stage	31/12/2022
63.	Rajkot Raiyadhar	8.0	Tender online	31/12/2022
Total		98		

Total of Proposed STPs= 856.57+98=954.57 MLD

Annexure-II

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river

Annexure-II (A)

Progress/Status Report of the River/PRS water quality monitoring for the Month May-2021:

Sr.no.	Location ID	Name of Location	Parameter					
			DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Total coliform (MPN/ 100ml)	Fecal coliform (MPN/100 ml)
1434	33440	Low Level bridge	BDL	7.85	7	45	350	79
1980	32618	Pungam	3.08	7.28	<5	12	>1600	920

Annexure-II (B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River for May-2021:

Location ID	Name of Location	Parameter * HM- NA-Not Analyzed till date										
		pH	BOD (mg/l)	COD (mg/l)	Cu mg/l	T.Cr. mg/l	H.Cr. mg/l	Fe mg/l	Pb mg/l	Mn mg/l	Ni mg/l	Zn mg/l
50634	Gujarat Gas Office, Umervada	7.22	<5	5	0.008	BDL	BDL	0.149	0.094	--	0.022	0.072
50635	Vill. Juna Pungam	7.75	<5	5	0.004	BDL	BDL	0.086	0.074	--	0.017	0.017
	Vill. Bhadkodra	--	--	--	--	--	--	--	--	--	--	--
	Vill. Kosmadi	--	--	--	--	--	--	--	--	--	--	--
	Piraman Gram Panchayat	--	--	--	--	--	--	--	--	--	--	--
	Vill. Sakarporbhatha	--	--	--	--	--	--	--	--	--	--	--

***Heavy metal analysis is still under process**

Annexure-II (C)

Drains Details with Flow:

Sr. No.	Location	Name of Inletting River/Drain	Discharge MLD	
			Max	Min
1	GIDC AnkleshwarValiaChokdi	Ankleshwar GIDC STP w/wstream/Ankleshwar GIDC drain*	7.5	3
2	Ankleshwar Station side drain	Ankleshwar Station side drain nr Low level bridge	0.5	0.2
3	Piraman village	Domestic w/w stream of Piraman village	0.25	0.1
4	Ankleshwar Nagar Palika Oxidation pond overflow	Ankleshwar Town drain	6.45	2.01
5	Ankleshwar Nagar Palika Juna Diva	Juna Diva Drain	0.5	0
6	Ankleshwar Nagar Palika SurtiBhagor drain	SurtiBhagor drain	0.05	0

Annexure-II (D)

STP & CETP results:

STP Results: Not Applicable

CETP Results: There is no industrial wastewater discharge into River Khari.

Annexure-III

Details w.r.t point no.XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date

Sr.No	River name	Details/Status
1	Amlakhadi	1. Environmental flow: • NA, Amla Khadi is not a perennial river, it is a drain/ Khadi meeting to Narmada ricer. There is no existing storage Dam/Weir on this drain. Water gets polluted due to effluents released from the industrial units located in upstream of this khadi. 2. Detail of Good Irrigation Practices: • There is no Irrigation project existing on Amla Khadi hence NA. 3. Detail on Flood Plain Management Zone: • No such heavy flood is noticed in this drain, henceNA.

Annexure-IV

Details w.r.t point no.XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/ River	**Existing plantation / vegetation cover details**	**Proposed plan to cover remaining gap along river/river stretch**	**Time limit**	**Remarks**
Amlakahdi (Limed to Dadhal) 43.00 Km	About 11000 trees	0.10 lakh plants	2020-21	As per AAP (Annexure A) for both side plantation on PRS during 2020-21.

Annexure – A

List of Polluted River Stretches of Gujarat (River Both side Plantation AAP in 2020-21)		
Sr. No.	River	Plants (In lakhs)
1.	Sabarmati	1.54
2.	Bhadar	0.20
3.	Amlakhadi	0.10
4.	Bhogavo	0.60
5.	Khari	0.02
6.	Vishwamitri	0.15
7.	Dhadhar	1.10
8.	Triveni	0.10
9.	Amravati	0.10
10.	Damanganga	0.25
11.	Kolak	0.25
12.	Mahi	0.20
13.	Shedhi	0.15
14.	Tapi	0.35
15.	Anas	0.05
16.	Baleshwar Khadi	0.02
17.	Kim	0.02
18.	Meshwo	0.40
19.	Mindhola	0.05
20.	Narmada	0.45
Total		6.10

Plantation of **6.91** lakh trees have been carried out on both the sides of polluted river stretches against the action plan for planting 6.10 lakh trees

Annexure-V

Details received from concerned department regarding reuse of treated wastewater

Treated waste water utilization policy:

- Gujarat Government has framed Policy for Reuse of "Treated Waste Water (TWW)" by maximising the collection and treatment of sewage generated and reusing the treated wastewater on a sustainable basis. In this regards, revised action plan has been submitted by Gujarat Water Supply and Sewerage Board (GWSSB) to Chairman, CPCB where one of the objectives of the revised action plan is to reuse 70% of treated wastewater by 2025 and 100% of treated wastewater by 2030.
- As per the details received from Gujarat Water Supply & Sewerage Board, Latest status of Treated waste water reuse in the State is as under:

	Status		
	TWW reuse started (MLD)	TWW reuse projects in tender/execution stage (MLD)	TWW reuse under planning (MLD)
Municipal Corporations	623.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**646.68**	**250**	**790.4**

Annexure-VI

Non-Complying / Partially non-complying CETPs
April- 2021

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	508
		BOD	30	42
2.	M/s. Odhav Enviro Project Ltd., Odhav, Ahmedabad	COD	250	407
		BOD	30	39
3.	M/s. Gujarat Vepari Maha Mandal Sahkari Udhyogik Vasahat Ltd, Ahmedabad	NH3-N	50	80.5
4.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	BOD	30	31
		NH3-N	50	130.2
5.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	420
		BOD	30	35
		SS	100	118
6.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	COD	250	1697
		BOD	30	321
		SS	100	326
7.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	891
		SS	100	156
		NH3-N	50	63.14
8.	M/s. Vinayak Jal SudhikaranSahakariMandali Ltd, Bavla, Ahmedabad	SS	100	164
9.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	138
10.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar.	COD	500	942
		NH_3-N	50	137.2
11.	M/s. Panoli Enviro Technology Ltd., GIDC-Panoli, Bharuch	SS	150	280
12.	M/s. Gujarat Eco Textile Park Pvt. Ltd, Palsana, Surat	SS	<60	98
13.	Vapi Green Enviro Ltd (VGEL, Vapi) (Old Name-Vapi Waste & Effluent Management Co. Ltd) (GPCB ID: 24764)	NH_3-N	50	80.5

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
14.	M/s. Sarigam Clean Initiative (Old Name-Gujarat Industrial Development Corporation), Sarigam.	SS	100	110
15.	M/s Jetpur Dying & Printing Association, Jetpur, Rajkot	COD	250	664
		BOD	100	212
16.	M/s. Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	151
		BOD	30	49
17.	M/s. Jay Khodiyar Enviro-Technologies Pvt. Ltd., Rajkot	PH	6.5 to 8.5	8.72
18.	M/s CETP of Dahej Industrial Estate	COD	250	544
		NH3-N	50	112

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Gujarat
Monthly Progress Report of PRS Bhadar for May – 2021.

Overall status of the State:

I. Total Population: Urban Population – 2,57,45,083, Rural Population – 3,46,94,609 (Census - 2011)

II. Estimated Sewage Generation (MLD):4003 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): 73 nos, 3485 MLD
  [7 under construction STPs are now complete and are now under trial run i.e additional 183.56 MLD]
- Capacity Utilization of existing STPs: 2739 MLD
  [additional utilization capacity as on May 2021 – 192.95 MLD from existing + newly commissioned STPs]
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
  [334.44 MLD - Gap considering 3668.56 MLD treatment capacity i.e 3485 MLD + 183.56 MLD]
- No. of Operational STPs: 73 [80 as on May 2021]
- No. of Complying STPs: 15
- No. of Non-complying STPs: 27 (including STPs not obtained CTE & CCA)
- ULBs having Oxidation ponds: 9
- Site of the STPs not visited: 17
- STPs not in operation during the site visit:3
- Details of STPs not available: 2
- STPs just commissioned / under trial run: 7
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 16, ➢ Non complying: 18 (Please refer Annexure VI) *(as per CM dash board data for **April-2021**, available on Board's website)

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Gujarat	44143	Not available	Out of 12815 water polluting industries 12700 industries having ETP. 12551 ETPs are complying with norms.	Existing CETPs : 34 Propose/Under construction/under expansion: 19

V. Solid Waste Management:

Particulars	Data
Total number of Urban Local Bodies and their population	162
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF	• There are total No. 755 of Plants for Vermi / Aerobic/ anaerobic Composting of installed processing capacity 7477 TPD. • There are 232 plants Material Recovery Facilities (MRF) with processing capacity of 5441.93 TPD installed capacity. • There are 5 plants of RDF with processing of 1390.25 TPD. • Biogas 29 plants with capacity of 1086 TPD.
Action plan to bridge gap between installed capacity and current utilization of processing facilities (if gap > 20%)	Gap is less than 20% hence not applicable.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	There are 2 Processing plants C & D Waste with processing capacity of 1300 TPD.
Total no. of wards: no. of wards having door to door collection service: no. of wards practicing segregation at source falling into PRS:	1418 1418 Information not available
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Information not available
No. and area (in acres) of uncontrolled garbage dumpsites and sanitary landfills.	Information not available
No. and area (in acres) of legacy waste within 1km. buffer on both side of the PRS	Information not available
No. of drains falling into PRS and no. of drains having floating racks/screens installed to prevent solid waste from falling into PRS	Not provided, however in-situ remediation at Ankleshwar and Kheda municipalities are under implementation. It will be commenced in all 7 municipalities related to PRS within one month after positive results of technology.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Details are being prepared.					

VI. Bio-medical Waste Management:

- Total Bio-medical generation(Related to entire State): 36.42 MT/day
  Total Bio-medical generation(Related to PRS): 27.54 MT/day
- No. of Hospitals and Health Care Facilities(Related to entire State): 31286
  No. of Hospitals and Health Care Facilities(Related to PRS): 28399
- Status of Treatment Facility/ CBMWTF(Related to entire State)
  : Existing – 20, Proposed – 1
  Capacity – 126 MT/day
  Status of Treatment Facility/ CBMWTF(Related to PRS): Existing – 16
  Capacity – 108 MT/day

VII. Hazardous Waste Management:

- Total Hazardous waste generation: 2.5 to 2.7 MMT as per HW inventory which includes landfill, incineration, recycling and co-processing. (It depends upon the industrial operation of the year)
- No. of Industries generating Hazardous waste : About 19683 as per HW inventory 19-20
- Treatment capacity of all TSDFs: Total installed capacity about 8626332MT
- Avg. quantity of HW reaching TSDF and treated : 1.3 MMT as per HW inventory 19-20
- Details of ongoing or proposed TSDF: 7 no. proposed TSDF having total installed capacity about 36lac MT

VIII. Plastic Waste Management:

Details		Quantity/Capacity
• Plastic waste generated:		408201.08 TPA (April 2019-March 2020)
• Treatment/Measures adopted for reduction or management of Plastic waste:		
Disposal of Plastic Waste through	Co-processing	109157.435 MT (from April 2019 to August 2020)
	Recycler	Total no. recycling units: 597 Capacity of recycling plastic waste: 11,13,526.56 MT/Y
	Refuse Derived Fuel	MSW units : 2 Quantity of final product sold is 129,575 MT/Annum containing 7 % of plastic waste i.e. 9071 MT/Annum (April 2019-March 2020)
	Pyrolysis	Total no. of operational units: 2 Cap. to convert plastic waste into oil: 5075 TPA Plastic used as raw material: 600 MT/M

IX.	Details of Alternate Treatment Technology being adopted by the State/UT:
-Ahmedabad & Vadodara Municipal Corporations have set up dry sewage sludge hygienisation Cobalt – 60 gamma irradiation plant. (Ahmedabad Municipal Corporation - 100 tonnes per day) - Legacy waste treatment at Pirana dumping site, Ahmedabad.	
X.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment:
Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan. Proposal not received from PRH & RDD/ Concerned for in-situ remediation.	
XI.	Details of Nodal Officer appointed by Chief Secretary in the State/UT:
In compliance to the direction of Hon'ble NGT with reference to set up of Monitoring Mechanism, Deputy Environmental Engineer (ShriT.C.Patel) has been deputed vide letter dated 10.06.2020 at Chief Secretary office to look after the Hon'ble NGT matters.	
XII.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
All NGT matters are being reviewed regularly under chairmanship of Hon'ble CS.Total 2 review meetings are conducted so far under the chairmanship of Hon'ble CS to monitor the progress with reference to the action plans submitted w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 673/2018and to resolve various issues/non -compliances. Last meeting was convened on 10/09/2020 under the chairmanship of Hon'ble Chief Secretary Gujarat State. Two review meetings have been convened so far w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 606/2018 which also includes the review of matters related to O.A. No.:-673/2018.	
XIII.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;
Details are attached as **Annexure – II**	
XIV.	Ground water regulation:
GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" Final comments /suggestions were sought by GWRDC vide letter dated 02/11/2020 from concerned departments for finalization of the draft bill. Seven meetings of sub-committee have been	

convened so far for finalization of the draft bill. The final draft bill was approved by the sub-committee during the meeting held on 12/11/2020 as per the minutes of meeting. The final draft of the bill has been submitted to the Chairman of the Committee and Special Secretary, (WR), Narmada Water Resource, Water Supply &Kalpsar department Govt. of Gujarat, for consideration in the main committee meeting.	
XV.	Good irrigation practices being adopted by the State:
XVI.	Rain Water Harvesting:
XVII.	Demarcation of Floodplain and removal of illegal encroachments:
XVIII.	Maintaining minimum e-flow of river:
Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date is attached as **Annexure – III.**	
XIX.	Plantation activities along the rivers:
Details w.r.t point no. XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV**	
XX.	Development of biodiversity park:
As per the information received from GBB, vide letter dated 24.04.2020, Forest Dept. has established a very rich Botanical Garden at Waghai, Dangs. It also has a chain of Research Stations, Germ Plasms Banks, Provenance Banks, Sample Plots, Preservation Plots spread all over the State. Many working plans have Conservation or Preservation Working Circles for the express purpose of Biodiversity Conservation. The National Working Pan Code 2014 also mandates a Biodiversity Conservation Working Circle. All plans coming up for revision now shall have a Biodiversity Conservation Working Circle. Besides a host of Biodiversity based activities like Cactus Park, Ekta Van, Ekta Nursery, and Nutritional Park etc., have come up at Statue of Unity. Moreover, Shakkarbaug Zoo is an "A" Category zoological park along with many other zoological parks at Rajkot, Ahmedabad, Gandhinagar, Vadodara, Surat, Kevadiya etc. All these are repositories of biodiversity. Therefore, these may be treated as a Biodiversity park is totality. GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 Crore for the development of Biodiversity Park. Team suggested tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.	
XXI.	Reuse of Treated Water:
Details are attached as **Annexure – V**	

XXII.	Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:

River Sabarmati is proposed to be adopted as model river stretch, however it will be finalized in the next RRC meeting to be held on 27.11.2020.

XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:

Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms.

STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.

XXIV.	Regulation of Mining Activities in the State/UT:

Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.

XXV.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring

- Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 .
- Number of closure directions to defaulting units under section 31 A of Air Act – 1981: 5703 respectively.
- Number of notice of directions to defaulting units under section 33 A of Water Act – 1974: 17263.
- Number of closure directions to defaulting units under section 33 A of Water Act – 1974: 11383.
- Number of notice of directions under rule 4(2) of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 4130
- Number of closure directions under section 5 of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 1583

(As per Annual report – 2018-19)

***Note: Incremental progress made by the State/UT in each activity to be provided.**

RRC meetings:

RRC meetings are regularly being held at GPCB, Gandhinagar to review the progress and the minutes of the meeting having progress status, is regularly submitted to CPCB. Last RRC (9th RRC) meeting was conducted on 27/11/2020. Following are the gist of main points discussed during the meeting:

- Concerned departments / authorities/ organizations were asked to submit proposals with elongated /revised timeline for completion of the projects with the justification
- Concerned departments / authorities/ organizations were asked to furnish details of incremental progress of the projects & activities proposed under the Action Plans of Polluted River Stretches
- All the concerned Municipal Corporations & Nagapalikas were asked to submit the list of STPs not complying with the norms and proposals for up-gradation of the STPs not complying with the norms along with the timeline for completion of the same.
- GWSSB was asked to submit STP wise progress of land issues on monthly basis to RRC and GPCB.
- River Sabarmati has been selected as model river stretch.

STPs:

Sr. No.	Proposed STP details	Status
1.	STP Jetpur–Navagadh Nagarpalika (23.5 MLD):	STP civil work 95 % completed, Plant machinery has reached on site. (Completion 31/07/2021)

CETPs:

Sr. No.	Proposed CETP details	Status
1.	New CETP for washing ghat at Derdi & Monpar (20 MLD)	Obtained CTE amendment from GPCB. RCC work of floor of Aeration tank is completed. Excavation work of primary settling tank is completed. Collection sump is in operation since 05/09/2020. Application is being filed with Ministry of Textile under IPDS scheme. The technical appraisal of the project is taken up with IIT Delhi which is under progress. Further construction work will be started after getting approval from Ministry of Textile. This is a proposed CETP and no new industry will be permitted until and unless the CETP is commissioned.
2.	Expansion/Modification is mentioned as below:-	Work completed

	CETP Dhareshwar (Modification): -	
3.	Up gradation of CETP JDPA wrt collection sump	All three newly constructed collection sumps are in operation since September – 2020. No waste water flow in river Bhadar

***** At present no waste water is discharged to river Bhadar through open channel.

Deep Sea Disposal Pipeline for PRS Gujarat

- An unprecedented initiative, deep sea disposal pipeline projects to eliminate Industrial Footprint from River Sabarmati and Bhadar worth Rs. 2147 Crore as stated below have been given approval by State Government vide GR dated 26/11/2019.:
    1. Ahmedabad (Priority I) (300 MLD) (Rs. 1478 Cr.)
    2. Jetpur (Priority I) (80 MLD) (Rs. 669 Cr.)
- For Ahmedabad, 70% contribution of Capex will be from State Government and 30% from industries. For Jetpur, 80% contribution of Capex will be from State Government and 20% from industries. Opex will be entirely borne by the industries.
- State Government has allotted budget of Rs. 500 Cr. for the financial year 2019-2020 for the entire pipeline project.
- Industrial Associations have also deposited their first installment of 10 % of project cost towards capital cost contribution.
- State Government has allotted pipeline projects to Industries & Mines Department and execution of the project will be done by Gujarat Water Infrastructure Ltd (GWIL) as depository work.
- GWIL has floated the tender for Ahmedabad region pipeline on 14/10/2020 which is on hold and Jetpur region pipeline on 02/10/2020.
- In case of Jetpur region, tender is finalized and agency is fixed. Other administrative procedure is going on.

Annexure-I (A)

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
1	Ahmedabad Pirana 2009	60	60	Operational	Non Compliance	
2	Ahmedabad Old Pirana 2004	106	106	Operational	Non Compliance	SCN-587981
3	Ahmedabad Pirana 2009	180	180	Operational	Non Compliance	
4	Ahmedabad Vasna 2004	126	126	Operational	Non Compliance	
5	Ahmedabad Vasna 2009	35	35	Operational	Compliance	
6	Ahmedabad Vasna 2011	240	235	Operational	Compliance	
7	Ahmedabad Vinzol 2011	70	70	Operational	Compliance	
8	Ahmedabad Vasna 2018	48	48	Operational	Compliance	
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Compliance	
10	Ahmedabad Vinzol 2020	35	30	Operational	Compliance	
11	Ahmedabad Arvind Mill	8	8	Operational	Compliance	
12	Ahmedabad Rasala	1	1	Operational	Not in operation during site visit	
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Site not visited	Only obtained ID, Not applied for CTE/CCA
14	Ahmedabad V S Hospital	1	1	Operational	Compliance	
15	Ahmedabad Nikol	0.5	0.5	Operational	Details not available	
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Compliance	
17	Ahmedabad Lambha	5	2	Operational	Details not available	
18	Surat Singanpore 2003/2014	155	147.58	Operational	Compliance	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
19	Surat Karanj 1999/2015	140	136.59	Operational	Site not visited	
20	Surat Bhatar 1999/2014/2017	162	162	Operational	Site not visited	
21	Surat Anjana 1995/2007/2019	122	121	Operational	Site not visited	
22	Surat Bamroli 2008/2019	100	100	Operational	Non Compliance	SCN-591844
23	Surat Bhesan 1995/2009/2020	200 (100 existing + 100 proposed expansion)	120.52	Operational	Site not visited	
24	Surat Khajod 2011	25	24.20	Operational	Site not visited	
25	Surat Asarama 2011	15	15	Operational	Non Compliance	SCN-591208
26	Surat Dindoli 2012/2019	167	72.50	Operational	Site not visited	
27	Surat Variav-Kosad 2012/2017	134	131	Operational	Compliance	
28	Surat Gavier 2016	53	16	Operational	Non Compliance	SCN-589968
29	Vadodara Tarsali	52	58	Operational	Non Compliance	SCN-591157
30	Vadodara Gajarawadi	66	72	Operational	Non Compliance	SCN-591155
31	Vadodara Kapurai	43	50	Operational	Non Compliance	SCN-591156
32	Vadodara Rajivnagar	78	55	Operational	Compliance	
33	Vadodara Sayaji garden	8.5	7	Operational	Non Compliance	
34	Vadodara Channi	21	21	Operational	Non Compliance	SCN-590935
35	Vadodara Atladara (old)	43	51	Operational	Non Compliance	SCN-28/05/2021
36	Vadodara Atladara (new)	43	43	Operational	Non Compliance	SCN-28/05/2021

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
37	Gandhinagar Jaspur 2007	76	45	Operational	Non Compliance	SCN-589724
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Non Compliance	
39	Gandhinagar Basan 2011-12	2	1.0	Operational	Non Compliance	SCN-590220
40	Rajkot Nr Raiya village 2010	51	45	Operational	Site not visited	
41	Rajkot Raiyadhar 2017	56	35	Operational	Compliance	
42	Rajkot Nr Madhapar 2018	44.5	16	Operational	Non Compliance	
43	Rajkot Nr Kothariya Village 2017	15	9	Operational	Non Compliance	
44	Rajkot Gavaridad 2018	70	35	Operational	Non Compliance	
45	Rajkot Madhapar 2019	80	30	Operational	Non Compliance	SCN-5858200
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Site not visited	
47	Bhavnagar Behind Excel industries	45	40	Operational	Site not visited	
48	Jamnagar Navagam Ghed	70	70	Operational	Site not visited	
49	Gandhidham - Anjar	30.00	22	Operational	Site not visited	
50	Patan	25.00	13	Operational	Site not visited	
51	Nadiad	51.26	20	Operational	Not in operation	
52	Siddhpur	5.62	5	Operational	Oxidation pond	
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond	
54	Sanand	20.50	0	Non - Operational	Site not visited	
55	Himmatnagar	17.51	6	Operational	Site not visited	
56	Petlad	10.37	8	Operational	Non Compliance	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
57	Dholka	13.60	8	Operational	Non Compliance	
58	Savarkundla	13.90	5	Operational	Oxidation pond	
59	Gadhda	6.50	2	Operational	Oxidation pond	
60	Kathlal	3.80	2.59	Operational	Oxidation pond	
61	Mahudha	2.10	1.76	Operational	Oxidation pond	
62	Bayad	4.00	2.06	Operational	Oxidation pond	
63	Patadi	2.80	1.33	Operational	Oxidation pond	
64	Sojitra	2.30	2	Operational	Oxidation pond	
65	Dwarka	7.50	2.28	Operational	Site not visited	Not obtained CTE/CCA
66	Godhra	27.60	4	Operational	Site not visited	
67	Bhuj	23.70	19	Operational	Non Compliance	Not obtained CTE/CCA
68	Bhachau	10	4	Operational	Non compliance	Not obtained CTE & CCA
69	Anand (Lambhvel)	33	9	Operational	Compliance	Not obtained CTE/CCA
70	Anand (TP-8)	13.5	2.5	Operational	Non Compliance	SCN-589391
71	Surendranagar	32.3	17	Operational	Compliance	
72	Valsad-1	20.2	2	Operational	Not in operation during site visit	
73	Morbi	28.8	6	Operational	Non Compliance	
Total		3598.86	2915.91			

New STPs under trail run.

74	Jasdan	8.80	4.0	Under trial run	
75	Tharad	4.80	2.5	Under trial run	
76	Dehgam	7.60	4.0	Under trial run	
77	Dhangadhra	11.60	1.04	Under trial run	
78	Porbandar	19.10	3.0	Under trial run	
79	Bardoli	11.30	0.0	Under trial run	
80	Vyara	6.50	1.50	Under trail run	
Total		69.7	16.04		

CTE: Consent to Establish, CC&A: Consolidated Consents and Authorization.

Annexure-I (B)

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1.	Ahmedabad Vinzol	100	95%	Completed	31/08/2021
2.	Ahmedabad Pirana	155	93%	Completed	31/08/2021
3.	Ahmedabad Maleksaban	30	30%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	02%	Completed	31/12//2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	SuratSinganpore	100	98%	Completed	31/07/2021
7.	SuratBhatar	115	74%	Completed	31/07/2021
8.	SuratBamroli	115	77%	Completed	28/02/2022
9.	SuratAsarma	22.5	54%	Completed	05/04/2022
10.	SuratKhajod	30	36%	Completed	30/11/2021
11.	Vadodara Kapurai	60	78%	85%	31/12/2021
12.	Vadodara Chhani	50	40%	Completed	31/12/2021
13.	Vadodara Bhayli	45	45%	Completed	28/02/2022
14.	Vadodara Sayaji garden	7.5	65%	Completed	28/02/2022
15.	Rajkot Kothariya, on NH bypass	15	25%	Completed	07/09/2021
16.	Bhavnagar Axcel Industries	50	42%	Completed	31/05/2022
17.	JunagadhBilkha Road, Near CBSE School	8.2	70%	Completed	03/09/2021
18.	Rajula	5.70	13%	Completed	31/10/2021
19.	Bagasara	5.90	14%	Completed	31/10/2021
20.	Chalala	2.80	90%	Completed	31/08/2021
21.	Mahuva	16.30	90%	Completed	31/08/2021
22.	Talaja	5.80	80%	Completed	31/08/2021
23.	Una	11.70	96%	Completed	31/08/2021
24.	Bantva	2.60	98%	Completed	31/08/2021
25.	Mansa	5.00	45%	Completed	31/08/2021
26.	Dhanera	4.00	48.00%	Completed	15/11/2021
27.	Bhabhar	3.50	45%	Completed	25/09/2021
28.	Thara	3.60	45%	Completed	15/11/2021
29.	Kadi	12.80	55%	Completed	05/09/2021
30.	Unjha	11.60	81%	Completed	31/08/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
31.	Visnagar-1	12.00	97.00%	Completed	31/07/2021
32.	Visnagar-2	5.30	75%	Completed	31/08/2021
33.	Kheralu	2.90	90%	Completed	10/11/2021
34.	Vijapur	4.10	50%	Completed	10/11/2021
35.	Radhanpur	6.00	15%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	13/06/2022
36.	Idar	7.40	91.00%	Completed	31/08/2021
37.	Khedbrahma	5.80	91.00%	Completed	31/08/2021
38.	Prantij	3.70	91%	Completed	31/08/2021
39.	Talod	3.60	17%	Completed	30/10/2021
40.	Vadali	3.80	5%	Completed	30/10/2021
41.	Jambusar	5.90	62%	Completed	16/10/2021
42.	Amod	3.10	62%	Completed	16/10/2021
43.	Bilimora	8.30	15%	Completed	04/03/2022
44.	Gandevi	2.60	20%	Completed	31/03/2022
45.	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
46.	Dharampur	4.10	62%	Completed	31/08/2021
47.	Borsad	9.80	95%	Completed	31/08/2021
48.	Umreth	6.10	61%	Completed	25/08/2021
49.	Dahod	13.70	98.00%	Completed	31/07/2021
50.	Zalod	4.60	95%	Completed	31/07/2021
51.	Devgadhbariya	3.80	79%	Completed	31/07/2021
52.	Santrampur	2.91	41%	Completed	21/09/2021
53.	Kalol (P)	4.77	55%	Completed	09/09/2021
54.	Shehra	2.80	26%	Completed	30/09/2021
55.	Chhotaudepur	5.00	96%	Completed	31/07/2021
56.	Padra	5.60	82%	Completed	20/08/2021
57.	Viramgam	4.50	85%	Completed	31/08/2021
58.	Bavla	5.80	35%	Completed	12/12/2021
59.	Dhandhuka	7.50	95%	Completed	31/07/2021
60.	Bareja	3.10	85%	Completed	31/07/2021
61.	Chaklasi	4.90	0.00%	Completed	31/03/2022
62.	Kapadwanj	6.20	32%	Completed	10/12/2021
63.	Mehmdabad	5.60	60%	Completed	17/11/2021
64.	Dakor	4.90	32%	Completed	10/12/2021
65.	Kheda	5.20	43%	Completed	17/11/2021
66.	Chotila-1	2.30	22%	Completed	30/09/2021
67.	Chotila-2	1.70	15.00%	Completed	30/09/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
68.	Wadhwan	12.10	0.00%	Completed	31/03/2022
69.	Barwala	2.90	14%	Completed	17/09/2021
70.	Harij	3.00	60%	Completed	31/12/2021
71.	Chanasma	2.50	0.00%	Completed	31/12/2021
72.	Ode	2.50	35%	Completed	09/09/2021
73.	Karjan	5.20	30%	Completed	09/12/2021
74.	Vadnagar	5.94	95.00%	Completed	30/09/2021
75.	Botad	32.00	86.00%	Completed	31/07/2021
76.	Morbi-2	9.30	95%	Completed	31/07/2021
77.	Jetpur	23.50	95%	Completed	31/07/2021
78.	Gondal	16.50	55%	Completed	30/09/2021
79.	Amreli	18.20	77.00%	Completed	31/07/2021
80.	Kalol	23.50	16.00%	Completed	30/06/2022
81.	Palanpur	21.30	3.00%	95%	30/06/2022
82.	Deesa	17.00	70.00%	Completed	30/09/2021
83.	Bharuch	29.32	82.00%	90%	30/09/2021
84.	Vapi-1	14.00	55.00%	Completed	30/09/2021
85.	Anand-3	6.50	95%	Completed	31/08/2021
86.	Porbandar-1	12.80	82.00%	Completed	31/08/2021
87.	Damnagar	2.80	0.00%	Completed	11/02/2022
88.	Lathi	3.80	0.00%	Completed	11/02/2022
89.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1536.64			

New STPs for which work order given.

90.	Bhavnagar Akwada	19.2	7%	Completed	31/12/2022
91.	Anklav	3.60	20%	Completed	04/03/2022
92.	Khambhat-1	6.80	2%	Completed	04/06/2022
93.	Khambhat-2	4.50	2%	Completed	04/06/2022
94.	Thangadh	9.00	0.00%	Completed	07/06/2022
95.	Balasinor	6.50	2%	Completed	22/04/2022
96.	Savli	2.5	5%	Completed	18/04/2022
97.	Dabhoi	8.96	1%	Completed	18/04/2022
98.	Kanjari	3.3	16%	Completed	18/04/2022
99.	Halvad	6.7	0.00%	Completed	17/07/2022
100.	Rajpipla	5.02	5%	Completed	17/07/2022
101.	Pardi	4.60	0.0%	Completed	14/06/2022
102.	Mandvi Surat	3.50	0.0%	Completed	15/06/2022
103.	Ankleshwar	14.0	0.0%	Completed	15/09/2022
104.	Umargam	6.48	0.0%	Completed	14/09/2022
105.	Karamsad	7.0	0.0%	Completed	14/09/2022
106.	Boriavi	3.30	2%	Completed	14/09/2022
107.	Lunavada	5.60	0.0%	Completed	16/09/2022

108.	Palitana	10.81	0.0%	Completed	31/03/2022
Total		131.37			

Total STPs under construction: 1536.64+131.37=1668.01 MLD

Annexure-I (C)

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1.	Ahmedabad Dafnala	25	LOI Given	31/12/2022
2.	Vadodara Tarsali	100	Revised DPR under scrutiny	31/12/2022
3.	Vadodara Atladara	83	Tender to be re- invited	31/12/2022
4.	Vadodara Gajarawadi	93	Revised DPR under scrutiny	31/12/2022
5.	GandhinagarSargasan	50	LOI Given	31/12/2022
6.	Jamnagar Nr Rangmati River	50	DPR Stage	31/12/2022
7.	Junagadh Kalva	15.50	Work order given	31/12/2022
8.	Junagadh Zanzarda	11.00	Work order given	31/12/2022
9.	Junagadh near Lol river	29.50	Work order given	31/12/2022
10.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
11.	Bhanvad	3.00	Tender under approval	31/03/2022
12.	Visavadar	3.40	Tender recently approved	31/03/2022
13.	Lunawada	5.60	Tender under approval	31/03/2022
14.	Okha	10.10	Tender under approval	31/03/2022
15.	Beyt (near Okha)	1.20	Tender under approval	31/03/2022
16.	Khambhalia	5.50	Tender under approval	31/03/2022
17.	Salaya, Jamnagar	6.20	Tender under approval	31/03/2022
18.	Jamjodhpur	3.60	Tender recently approved	31/03/2022
19.	Wankaner	5.80	Tender recently approved	31/03/2022
20.	Chhaya	13.10	Tender under approval	31/03/2022
21.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
22.	Veraval- Patan	33.90	Tender to be invited	31/03/2022
23.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
24.	Babra	4.00	Under Tender evaluation	31/12/2022

25.	Kodinar	5.60	Under Tender evaluation	31/12/2022
26.	Sutrapada	4.00	Tender tobe invited	31/12/2022
27.	Talala	3.80	Under Tender evaluation	31/12/2022
28.	Chorvad	3.70	Tender recently approved	31/12/2022
29.	Halol	11.60	Tender to be invited	31/12/2022
30.	Thasra	2.30	Tender to be invited	31/12/2022
31.	Mandvi-2 (Salaya)	3.20	Tender to be invited	31/12/2022
32.	Mandvi-1 (JT Grounds)	5.30	Tender to be invited	31/12/2022
33.	Jamraval	2.60	Tender to be invited	31/12/2022
34.	Dhrol	3.60	Under tender evaluation.	31/12/2022
35.	Kalavad	4.50	Tender under approval	31/12/2022
36.	Maliya	2.50	Tender to be invited	31/12/2022
37.	Kutiyana	2.90	Tender under approval	31/12/2022
38.	Ranavav-1 (Adityana)	3.00	Tender under approval	31/12/2022
39.	Ranavav-2	4.50	Tender under approval	31/12/2022
40.	Dhoraji	12.90	Tender recently approved	31/12/2022
41.	Bhayavadar	3.10	Tender to be invited	31/12/2022
42.	Manavadar	4.90	Tender recently approved	31/12/2022
43.	Pethapur	3.80	DPR stage	30/06/2022
44.	Sikka	2.90	Tender recently approved	31/12/2022
45.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
46.	Mahesana-1	23.18	Under Tender evaluation	31/03/2022
47.	Mahesana-2	18.46	Under Tender evaluation	31/03/2022
48.	Jafrabad	5.4	Tender online	31/12/2022
49.	Gariyadhar	7.1	Under Tender evaluation	31/12/2022
50.	Shihor	8.9	Under Tender evaluation	31/12/2022
51.	Mangrol	9.6	DPR/DTP stage	31/12/2022
52.	Vanthli	2.2	DPR/DTP stage	31/12/2022
53.	Modasa	12.0	Under Tender evaluation	31/12/2022
54.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
55.	Songadh	4.5	Tender recently approved	31/12/2022
56.	Limdi	7.4	DPR/DTP stage	31/12/2022
57.	Bhachau	1.0	Tender under approval	31/12/2022
58.	Rapar	5.2	Under tender	31/12/2022

			evaluation.	
59.	Upleta	8.9	DPR/DTP stage	31/12/2022
60.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		856.57		

Newly proposed STPs.

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
61.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
62.	Gandhinagar Bhat	30	DPR Stage	31/12/2022
63.	Rajkot Raiyadhar	8.0	Tender online	31/12/2022
Total		98		

Total of Proposed STPs= 856.57+98=954.57 MLD

Annexure-II

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river

Annexure-II (A)

Progress/Status Report of the River/PRS water quality monitoring for the Month May-2021:

Location ID	Name of Location	Parameter					
		DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Total coliform (MPN/ 100ml)	Fecal coliform (MPN/100 ml)
31211	Dublipat	4.2	8.09	0.4	39.6	540	170

Annexure-II(B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River:

Location	**Sampling date**	**BOD**	**COD**	**TDS**	**pH**
Bore well of P. K. Patel	05/05/2021	0.9	8.8	882	7.38

Annexure-II(C)

Drains Details with Flow:

Sr. No.	**Location (Latitude and longitude)**	**Discharge (MLD)**	
		Max	Min
1	Opp. Bhadar Stone Crusher	02	01
2	Sarang Nallah	00	00
3	Behind Gondra area	02	01
4	Behind Kabrastan	1.5	0.5
5	Near railway bridge	00	00
6	Maghedi Vokda	00	00

Annexure-II(D)

STP & CETP results.

Sr. No.	Name of STP/CETP	Discharge Norms		May-2021 Results	
1	CETP of Jetpur Dyeing & Printing Association (PCB ID-19722)	DO (mg/l)	--	DO (mg/l)	--
		pH	6.5 to 9	pH	7.05
		BOD (mg/l)	100	BOD (mg/l)	167
		COD (mg/l)	250	COD (mg/l)	513
		Total coliform (MPN/ 100ml)	-	Total coliform (MPN/ 100ml)	--
		Fecal coliform (MPN/100 ml)	-	Fecal coliform (MPN/100 ml)	--
2	CETP of Shri Dhareshwar GIDC Vistar Assocation (PCB ID-20111)	DO (mg/l)	--	DO (mg/l)	--
		pH	6.5 to 9	pH	7.27
		BOD (mg/l)	30	BOD (mg/l)	106
		COD (mg/l)	100	COD (mg/l)	294
		Total coliform (MPN/ 100ml)	-	Total coliform (MPN/ 100ml)	--
		Fecal coliform (MPN/100 ml)	-	Fecal coliform (MPN/100 ml)	--
3	STP of Jetpur Dyeing and Printing Association (PCB ID-39298).	DO (mg/l)	--	DO (mg/l)	--
		pH	6.5 to 9	pH	8.39
		BOD (mg/l)	30	BOD (mg/l)	145
		COD (mg/l)	--	COD (mg/l)	438
		Total coliform (MPN/ 100ml)	-	Total coliform (MPN/ 100ml)	--
		Fecal coliform (MPN/100 ml)	< 1000	Fecal coliform (MPN/100 ml)	--

Annexure-III

Details w.r.t point no. XV, XVI, XVII &XVIII given by Irrigation Dept./WRD as on date

Sr.No	River name	Details/Status
1	Bhadar	1. Environmental flow: • Bhadar is not a perennial river. • Sometimes releasing surplus flood water during monsoon period, June to October in Bhadar River through spillway gates at Bhadar Dam site to Saran around 25 Km hence there is no question of releasing water during month from November to May period. • During the monsoon and on availability of excess flood water from Bhadar Dam to Saran. (June to October) 2. Detail of Good Irrigation Practices: • General government practice of irrigation is maintained in command area of Bhadar-1 irrigation project and Bhadar-2 irrigation project. • Farmers are made aware to use water efficiently. • Main Canal System and distributary of Bhadar 1 and Bhadar 2 is lined so as to minimize seepage losses. As such no water logging issues noticed so far in the command area of Bhadar 1 and Bhadar 2 Canal System. 3. Detail on Flood Plain Management Zone: • As far as Bhadar1project,Lilakha&Bhadar-2reservoir project, Bhukhi is concerned 37 villages of Rajkot District, 3 villages of Junagadh and 15 Village of Porbandar are identified which and may be affected due to floods in D/s of Bhadar 1 project, Lilakha & Bhadar-2reservoirproject,Bhukhi,formorethan • 2,50,000 lakh cusecs discharge from above two dams. In such condition people of these villages are warned through early warning arrangement in consultation with revenue department.

Annexure-IV

Details w.r.t point no.XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/ River	Existing plantation / vegetation cover details	Proposed plan to cover remaining gap along river/river stretch	Time limit	Remarks
Bhadar	Vegetation Cover is scattered and scanty covered by Thorny trees with Dry deciduous vegetation Prosopiosjuliflora, Azadirachtaaindica About 91% is covered with suchscartly vegetation.	0.20 lacs Plantation to be done in 2020-2021	2020-2021	As per AAP (Annexure A) for both side plantation on PRS during 2020-21.

Annexure – A

List of Polluted River Stretches of Gujarat (River Both side Plantation AAP in 2020-21)		
Sr. No.	River	Plants (In lakhs)
1.	Sabarmati	1.54
2.	Bhadar	0.20
3.	Amlakhadi	0.10
4.	Bhogavo	0.60
5.	Khari	0.02
6.	Vishwamitri	0.15
7.	Dhadhar	1.10
8.	Triveni	0.10
9.	Amravati	0.10
10.	Damanganga	0.25
11.	Kolak	0.25
12.	Mahi	0.20
13.	Shedhi	0.15
14.	Tapi	0.35
15.	Anas	0.05
16.	Baleshwar Khadi	0.02
17.	Kim	0.02
18.	Meshwo	0.40
19.	Mindhola	0.05
20.	Narmada	0.45
Total		6.10

Plantation of **6.91** lakh trees have been carried out on both the sides of polluted river stretches against the action plan for planting 6.10 lakh trees

Annexure-V

Details received from concerned department regarding reuse of treated wastewater

Treated waste water utilization policy:

- Gujarat Government has framed Policy for Reuse of "Treated Waste Water (TWW)" by maximising the collection and treatment of sewage generated and reusing the treated wastewater on a sustainable basis. In this regards, revised action plan has been submitted by Gujarat Water Supply and Sewerage Board (GWSSB) to Chairman, CPCB where one of the objectives of the revised action plan is to reuse 70% of treated wastewater by 2025 and 100% of treated wastewater by 2030.
- As per the details received from Gujarat Water Supply & Sewerage Board, Latest status of Treated waste water reuse in the State is as under:

	Status		
	TWW reuse started (MLD)	TWW reuse projects in tender/execution stage (MLD)	TWW reuse under planning (MLD)
Municipal Corporations	623.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**646.68**	**250**	**790.4**

Annexure-VI

Non-Complying / Partially non-complying CETPs
April- 2021

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	508
		BOD	30	42
2.	M/s. Odhav Enviro Project Ltd., Odhav, Ahmedabad	COD	250	407
		BOD	30	39
3.	M/s. Gujarat Vepari Maha Mandal Sahkari Udhyogik Vasahat Ltd, Ahmedabad	NH3-N	50	80.5
4.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	BOD	30	31
		NH3-N	50	130.2
5.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	420
		BOD	30	35
		SS	100	118
6.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	COD	250	1697
		BOD	30	321
		SS	100	326
7.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	891
		SS	100	156
		NH3-N	50	63.14
8.	M/s. Vinayak Jal SudhikaranSahakariMandali Ltd, Bavla, Ahmedabad	SS	100	164
9.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	138
10.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar.	COD	500	942
		NH_3-N	50	137.2
11.	M/s. Panoli Enviro Technology Ltd., GIDC-Panoli, Bharuch	SS	150	280
12.	M/s. Gujarat Eco Textile Park Pvt. Ltd, Palsana, Surat	SS	<60	98
13.	Vapi Green Enviro Ltd (VGEL, Vapi) (Old Name-Vapi Waste & Effluent Management Co. Ltd) (GPCB ID: 24764)	NH_3-N	50	80.5

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
14.	M/s. Sarigam Clean Initiative (Old Name-Gujarat Industrial Development Corporation), Sarigam.	SS	100	110
15.	M/s Jetpur Dying & Printing Association, Jetpur, Rajkot	COD	250	664
		BOD	100	212
16.	M/s. Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	151
		BOD	30	49
17.	M/s. Jay Khodiyar Enviro-Technologies Pvt. Ltd., Rajkot	PH	6.5 to 8.5	8.72
18.	M/s CETP of Dahej Industrial Estate	COD	250	544
		NH3-N	50	112

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Gujarat
Monthly Progress Report of PRS Bhogavo for May – 2021.

Overall status of the State:

I. Total Population: Urban Population – 2,57,45,083, Rural Population – 3,46,94,609 (Census - 2011)

II. Estimated Sewage Generation (MLD): 4003 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): 73 nos, 3485 MLD
  [7 under construction STPs are now complete and are now under trial run i.e additional 183.56 MLD]
- Capacity Utilization of existing STPs: 2739 MLD
  [additional utilization capacity as on May 2021 – 192.95 MLD from existing + newly commissioned STPs]
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
- [334.44 MLD - Gap considering 3668.56 MLD treatment capacity i.e 3485 MLD + 183.56 MLD]
- No. of Operational STPs: 73 [80 as on May 2021]
- No. of Complying STPs: 15
- No. of Non-complying STPs: 27 (including STPs not obtained CTE & CCA)
- ULBs having Oxidation ponds: 9
- Site of the STPs not visited: 17
- STPs not in operation during the site visit:3
- Details of STPs not available: 2
- STPs just commissioned / under trial run: 7
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 16, ➢ Non complying: 18 (Please refer Annexure VI) *(as per CM dash board data for **April-2021**, available on Board's website)

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Gujarat	44143	Not available	Out of 12815 water polluting industries 12700 industries having ETP. 12551 ETPs are complying with norms.	Existing CETPs : 34 Propose/Under construction/under expansion: 19

V. Solid Waste Management:

Particulars	Data
Total number of Urban Local Bodies and their population	162
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF	• There are total No. 755 of Plants for Vermi / Aerobic/ anaerobic Composting of installed processing capacity 7477 TPD. • There are 232 plants Material Recovery Facilities (MRF) with processing capacity of 5441.93 TPD installed capacity. • There are 5 plants of RDF with processing of 1390.25 TPD. • Biogas 29 plants with capacity of 1086 TPD.
Action plan to bridge gap between installed capacity and current utilization of processing facilities (if gap > 20%)	Gap is less than 20% hence not applicable.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	There are 2 Processing plants C & D Waste with processing capacity of 1300 TPD.
Total no. of wards: no. of wards having door to door collection service: no. of wards practicing segregation at source falling into PRS:	1418 1418 Information not available
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Information not available
No. and area (in acres) of uncontrolled garbage dumpsites and sanitary landfills.	Information not available
No. and area (in acres) of legacy waste within 1km. buffer on both side of the PRS	Information not available
No. of drains falling into PRS and no. of drains having floating racks/screens installed to prevent solid waste from falling into PRS	Not provided, however in-situ remediation at Ankleshwar and Kheda municipalities are under implementation. It will be commenced in all 7 municipalities related to PRS within one month after positive results of technology.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Details are being prepared.					

VI. Bio-medical Waste Management:

- Total Bio-medical generation(Related to entire State): 36.42 MT/day
  Total Bio-medical generation(Related to PRS): 27.54 MT/day
- No. of Hospitals and Health Care Facilities(Related to entire State): 31286
  No. of Hospitals and Health Care Facilities(Related to PRS): 28399
- Status of Treatment Facility/ CBMWTF(Related to entire State)
  : Existing – 20, Proposed – 1
  Capacity – 126 MT/day
  Status of Treatment Facility/ CBMWTF(Related to PRS): Existing – 16
  Capacity – 108 MT/day

VII. Hazardous Waste Management:

- Total Hazardous Waste generation: 2.5 to 2.7 MMT as per HW inventory which includes landfill, incineration, recycling and co-processing. (It depends upon the industrial operation of the year)
- No. of Industries generating Hazardous waste: About 19683 as per HW inventory 19-20
- Treatment Capacity of all TSDFs: Total installed capacity about 8626332 MT
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated: 1.3 MMT as per HW inventory 19-20
- Details of on-going or proposed TSDF: 7 nos. proposed TSDF having total installed capacity about 36 lac MT

VIII. Plastic Waste Management:

- Total Plastic Waste generation: 408201.08 TPA (April 2019-March 2020)
- Treatment/ Measures adopted for reduction or management of plastic waste:

Disposal of Plastic Waste through	Co-processing	109157.435 MT (from April 2019 to August 2020)
	Recycler	Total no. recycling units: 597 Capacity of recycling plastic waste: 11,13,526.56 MT/Y
	Refuse Derived Fuel	MSW units : 2 Quantity of final product sold is 129,575 MT/Annum containing 7 % of plastic waste i.e. 9071 MT/Annum (April 2019-March 2020)
	Pyrolysis	Total no. of operational units: 2 Cap. to convert plastic waste into oil: 5075 TPA Plastic used as raw material: 600 MT/M

IX.	Details of Alternate Treatment Technology being adopted by the State/UT:
-Ahmedabad & Vadodara Municipal Corporations have set up dry sewage sludge hygienisation Cobalt – 60 gamma irradiation plant. (Ahmedabad Municipal Corporation - 100 tonnes per day) - Legacy waste treatment at Pirana dumping site, Ahmedabad.	
X.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment:
Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan. Proposal not received from PRH & RDD/ Concerned for in-situ remediation.	
XI.	Details of Nodal Officer appointed by Chief Secretary in the State/UT:
In compliance to the direction of Hon'ble NGT with reference to set up of Monitoring Mechanism, Deputy Environmental Engineer (ShriT.C.Patel) has been deputed vide letter dated 10.06.2020 at Chief Secretary office to look after the Hon'ble NGT matters.	
XII.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
All NGT matters are being reviewed regularly under chairmanship of Hon'ble CS.Total 2 review meetings are conducted so far under the chairmanship of Hon'ble CS to monitor the progress with reference to the action plans submitted w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 673/2018and to resolve various issues/non -compliances. Last meeting was convened on 10/09/2020 under the chairmanship of Hon'ble Chief Secretary Gujarat State. Two review meetings have been convened so far w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 606/2018 which also includes the review of matters related to O.A. No.:-673/2018.	
XIII.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;
Details are attached as **Annexure – II**	
XIV.	Ground water regulation:
GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" Final comments /suggestions were sought by GWRDC vide letter dated 02/11/2020 from concerned departments for finalization of the draft bill. Seven meetings of sub-committee have been convened so far for finalization of the draft bill. The final draft bill was approved by the sub-	

committee during the meeting held on 12/11/2020 as per the minutes of meeting. The final draft of the bill has been submitted to the Chairman of the Committee and Special Secretary, (WR), Narmada Water Resource, Water Supply &Kalpsar department, Govt. of Gujarat, for consideration in the main committee meeting.	
XV.	Good irrigation practices being adopted by the State:
XVI.	Rain Water Harvesting:
XVII.	Demarcation of Floodplain and removal of illegal encroachments:
XVIII.	Maintaining minimum e-flow of river:
Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date is attached as **Annexure – III.**	
XIX.	Plantation activities along the rivers:
Details w.r.t point no. XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV**	
XX.	Development of biodiversity park:
As per the information received from GBB, vide letter dated 24.04.2020, Forest Dept. has established a very rich Botanical Garden at Waghai, Dangs. It also has a chain of Research Stations, Germ Plasms Banks, Provenance Banks, Sample Plots, Preservation Plots spread all over the State. Many working plans have Conservation or Preservation Working Circles for the express purpose of Biodiversity Conservation. The National Working Pan Code 2014 also mandates a Biodiversity Conservation Working Circle. All plans coming up for revision now shall have a Biodiversity Conservation Working Circle. Besides a host of Biodiversity based activities like Cactus Park, Ekta Van, Ekta Nursery, and Nutritional Park etc., have come up at Statue of Unity. Moreover, Shakkarbaug Zoo is an "A" Category zoological park along with many other zoological parks at Rajkot, Ahmedabad, Gandhinagar, Vadodara, Surat, Kevadiya etc. All these are repositories of biodiversity. Therefore, these may be treated as a Biodiversity park is totality. GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 Crore for the development of Biodiversity Park. Team suggested tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.	
XXI.	Reuse of Treated Water:
Details are attached as **Annexure – V**	
XXII.	Model River being adopted by the State & Action Proposed for achieving the

	bathing quality standards:
River Sabarmati is proposed to be adopted as model river stretch, however it will be finalized in the next RRC meeting to be held on 27.11.2020.	
XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:
Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms. STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.	
XXIV.	Regulation of Mining Activities in the State/UT:
Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.	
XXV.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring
• Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 . • Number of closure directions to defaulting units under section 31 A of Air Act – 1981: 5703 respectively. • Number of notice of directions to defaulting units under section 33 A of Water Act – 1974: 17263. • Number of closure directions to defaulting units under section 33 A of Water Act – 1974: 11383. • Number of notice of directions under rule 4(2) of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 4130 • Number of closure directions under section 5 of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 1583 (As per Annual report – 2018-19)	

***Note: Incremental progress made by the State/UT in each activity to be provided.**

RRC meetings:

RRC meetings are regularly being held at GPCB, Gandhinagar to review the progress and the minutes of the meeting, having progress status, is regularly submitted to CPCB. Last RRC (9^{th} RRC) meeting was conducted on 27/11/2020. Following are the gist of main points discussed during the meeting:

- Concerned departments / authorities/ organizations were asked to submit proposals with elongated /revised timeline for completion of the projects with the justification
- Concerned departments / authorities/ organizations were asked to furnish details of incremental progress of the projects & activities proposed under the Action Plans of Polluted River Stretches
- All the concerned Municipal Corporations & Nagapalikas were asked to submit the list of STPs not complying with the norms and proposals for up-gradation of the STPs not complying with the norms along with the timeline for completion of the same.
- GWSSB was asked to submit STP wise progress of land issues on monthly basis to RRC and GPCB.
- River Sabarmati has been selected as model river stretch.

STPs:

Sr. No.	Proposed STP details	Status
1.	Surendranagar (32.3 MLD STP)	Under final stage of Trial.
2.	Wadhwan 12.1 MLD STP	Land for STP was allotted. At the time of survey, local people and Municipality opposed the project. Chief Officer demanded to lay only rising main connecting Wadhwan to Surendranagar STP and upgrading already existing STP instead of construction of new STP. Estimates are under preparation for rising main work for conveying sewage of Wadhwan area to Surendranagar STP. Revised timeline for completion of the project is 31/03/2022.

CETPs:

Not applicable as there is no any CETP in the region of Surendranagar and there is no industrial effluent discharge in the Bhogavo river.

Annexure-I (A)

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
1	Ahmedabad Pirana 2009	60	60	Operational	Non Compliance	
2	Ahmedabad Old Pirana 2004	106	106	Operational	Non Compliance	SCN-587981
3	Ahmedabad Pirana 2009	180	180	Operational	Non Compliance	
4	Ahmedabad Vasna 2004	126	126	Operational	Non Compliance	
5	Ahmedabad Vasna 2009	35	35	Operational	Compliance	
6	Ahmedabad Vasna 2011	240	235	Operational	Compliance	
7	Ahmedabad Vinzol 2011	70	70	Operational	Compliance	
8	Ahmedabad Vasna 2018	48	48	Operational	Compliance	
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Compliance	
10	Ahmedabad Vinzol 2020	35	30	Operational	Compliance	
11	Ahmedabad Arvind Mill	8	8	Operational	Compliance	
12	Ahmedabad Rasala	1	1	Operational	Not in operation during site visit	
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Site not visited	Only obtained ID, Not applied for CTE/CCA
14	Ahmedabad V S Hospital	1	1	Operational	Compliance	
15	Ahmedabad Nikol	0.5	0.5	Operational	Details not available	
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Compliance	
17	Ahmedabad Lambha	5	2	Operational	Details not available	
18	Surat Singanpore 2003/2014	155	147.58	Operational	Compliance	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
19	Surat Karanj 1999/2015	140	136.59	Operational	Site not visited	
20	Surat Bhatar 1999/2014/2017	162	162	Operational	Site not visited	
21	Surat Anjana 1995/2007/2019	122	121	Operational	Site not visited	
22	Surat Bamroli 2008/2019	100	100	Operational	Non Compliance	SCN-591844
23	Surat Bhesan 1995/2009/2020	200 (100 existing + 100 proposed expansion)	120.52	Operational	Site not visited	
24	Surat Khajod 2011	25	24.20	Operational	Site not visited	
25	Surat Asarama 2011	15	15	Operational	Non Compliance	SCN-591208
26	Surat Dindoli 2012/2019	167	72.50	Operational	Site not visited	
27	Surat Variav-Kosad 2012/2017	134	131	Operational	Compliance	
28	Surat Gavier 2016	53	16	Operational	Non Compliance	SCN-589968
29	Vadodara Tarsali	52	58	Operational	Non Compliance	SCN-591157
30	Vadodara Gajarawadi	66	72	Operational	Non Compliance	SCN-591155
31	Vadodara Kapurai	43	50	Operational	Non Compliance	SCN-591156
32	Vadodara Rajivnagar	78	55	Operational	Compliance	
33	Vadodara Sayaji garden	8.5	7	Operational	Non Compliance	
34	Vadodara Channi	21	21	Operational	Non Compliance	SCN-590935
35	Vadodara Atladara (old)	43	51	Operational	Non Compliance	SCN-28/05/2021
36	Vadodara Atladara (new)	43	43	Operational	Non Compliance	SCN-28/05/2021

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
37	Gandhinagar Jaspur 2007	76	45	Operational	Non Compliance	SCN-589724
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Non Compliance	
39	Gandhinagar Basan 2011-12	2	1.0	Operational	Non Compliance	SCN-590220
40	Rajkot Nr Raiya village 2010	51	45	Operational	Site not visited	
41	Rajkot Raiyadhar 2017	56	35	Operational	Compliance	
42	Rajkot Nr Madhapar 2018	44.5	16	Operational	Non Compliance	
43	Rajkot Nr Kothariya Village 2017	15	9	Operational	Non Compliance	
44	Rajkot Gavaridad 2018	70	35	Operational	Non Compliance	
45	Rajkot Madhapar 2019	80	30	Operational	Non Compliance	SCN-5858200
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Site not visited	
47	Bhavnagar Behind Excel industries	45	40	Operational	Site not visited	
48	Jamnagar Navagam Ghed	70	70	Operational	Site not visited	
49	Gandhidham - Anjar	30.00	22	Operational	Site not visited	
50	Patan	25.00	13	Operational	Site not visited	
51	Nadiad	51.26	20	Operational	Not in operation	
52	Siddhpur	5.62	5	Operational	Oxidation pond	
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond	
54	Sanand	20.50	0	Non - Operational	Site not visited	
55	Himmatnagar	17.51	6	Operational	Site not visited	
56	Petlad	10.37	8	Operational	Non Compliance	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
57	Dholka	13.60	8	Operational	Non Compliance	
58	Savarkundla	13.90	5	Operational	Oxidation pond	
59	Gadhda	6.50	2	Operational	Oxidation pond	
60	Kathlal	3.80	2.59	Operational	Oxidation pond	
61	Mahudha	2.10	1.76	Operational	Oxidation pond	
62	Bayad	4.00	2.06	Operational	Oxidation pond	
63	Patadi	2.80	1.33	Operational	Oxidation pond	
64	Sojitra	2.30	2	Operational	Oxidation pond	
65	Dwarka	7.50	2.28	Operational	Site not visited	Not obtained CTE/CCA
66	Godhra	27.60	4	Operational	Site not visited	
67	Bhuj	23.70	19	Operational	Non Compliance	Not obtained CTE/CCA
68	Bhachau	10	4	Operational	Non compliance	Not obtained CTE & CCA
69	Anand (Lambhvel)	33	9	Operational	Compliance	Not obtained CTE/CCA
70	Anand (TP-8)	13.5	2.5	Operational	Non Compliance	SCN-589391
71	Surendranagar	32.3	17	Operational	Compliance	
72	Valsad-1	20.2	2	Operational	Not in operation during site visit	
73	Morbi	28.8	6	Operational	Non Compliance	
Total		3598.86	2915.91			

New STPs under trail run.

74	Jasdan	8.80	4.0	Under trial run	
75	Tharad	4.80	2.5	Under trial run	
76	Dehgam	7.60	4.0	Under trial run	
77	Dhangadhra	11.60	1.04	Under trial run	
78	Porbandar	19.10	3.0	Under trial run	
79	Bardoli	11.30	0.0	Under trial run	
80	Vyara	6.50	1.50	Under trail run	
Total		69.7	16.04		

CTE: Consent to Establish, CC&A: Consolidated Consents and Authorization.

Annexure-I (B)

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1.	Ahmedabad Vinzol	100	95%	Completed	31/08/2021
2.	Ahmedabad Pirana	155	93%	Completed	31/08/2021
3.	Ahmedabad Maleksaban	30	30%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	02%	Completed	31/12//2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	SuratSinganpore	100	98%	Completed	31/07/2021
7.	SuratBhatar	115	74%	Completed	31/07/2021
8.	SuratBamroli	115	77%	Completed	28/02/2022
9.	SuratAsarma	22.5	54%	Completed	05/04/2022
10.	SuratKhajod	30	36%	Completed	30/11/2021
11.	Vadodara Kapurai	60	78%	85%	31/12/2021
12.	Vadodara Chhani	50	40%	Completed	31/12/2021
13.	Vadodara Bhayli	45	45%	Completed	28/02/2022
14.	Vadodara Sayaji garden	7.5	65%	Completed	28/02/2022
15.	Rajkot Kothariya, on NH bypass	15	25%	Completed	07/09/2021
16.	Bhavnagar Axcel Industries	50	42%	Completed	31/05/2022
17.	JunagadhBilkha Road, Near CBSE School	8.2	70%	Completed	03/09/2021
18.	Rajula	5.70	13%	Completed	31/10/2021
19.	Bagasara	5.90	14%	Completed	31/10/2021
20.	Chalala	2.80	90%	Completed	31/08/2021
21.	Mahuva	16.30	90%	Completed	31/08/2021
22.	Talaja	5.80	80%	Completed	31/08/2021
23.	Una	11.70	96%	Completed	31/08/2021
24.	Bantva	2.60	98%	Completed	31/08/2021
25.	Mansa	5.00	45%	Completed	31/08/2021
26.	Dhanera	4.00	48.00%	Completed	15/11/2021
27.	Bhabhar	3.50	45%	Completed	25/09/2021
28.	Thara	3.60	45%	Completed	15/11/2021
29.	Kadi	12.80	55%	Completed	05/09/2021
30.	Unjha	11.60	81%	Completed	31/08/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
31.	Visnagar-1	12.00	97.00%	Completed	31/07/2021
32.	Visnagar-2	5.30	75%	Completed	31/08/2021
33.	Kheralu	2.90	90%	Completed	10/11/2021
34.	Vijapur	4.10	50%	Completed	10/11/2021
35.	Radhanpur	6.00	15%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	13/06/2022
36.	Idar	7.40	91.00%	Completed	31/08/2021
37.	Khedbrahma	5.80	91.00%	Completed	31/08/2021
38.	Prantij	3.70	91%	Completed	31/08/2021
39.	Talod	3.60	17%	Completed	30/10/2021
40.	Vadali	3.80	5%	Completed	30/10/2021
41.	Jambusar	5.90	62%	Completed	16/10/2021
42.	Amod	3.10	62%	Completed	16/10/2021
43.	Bilimora	8.30	15%	Completed	04/03/2022
44.	Gandevi	2.60	20%	Completed	31/03/2022
45.	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
46.	Dharampur	4.10	62%	Completed	31/08/2021
47.	Borsad	9.80	95%	Completed	31/08/2021
48.	Umreth	6.10	61%	Completed	25/08/2021
49.	Dahod	13.70	98.00%	Completed	31/07/2021
50.	Zalod	4.60	95%	Completed	31/07/2021
51.	Devgadhbariya	3.80	79%	Completed	31/07/2021
52.	Santrampur	2.91	41%	Completed	21/09/2021
53.	Kalol (P)	4.77	55%	Completed	09/09/2021
54.	Shehra	2.80	26%	Completed	30/09/2021
55.	Chhotaudepur	5.00	96%	Completed	31/07/2021
56.	Padra	5.60	82%	Completed	20/08/2021
57.	Viramgam	4.50	85%	Completed	31/08/2021
58.	Bavla	5.80	35%	Completed	12/12/2021
59.	Dhandhuka	7.50	95%	Completed	31/07/2021
60.	Bareja	3.10	85%	Completed	31/07/2021
61.	Chaklasi	4.90	0.00%	Completed	31/03/2022
62.	Kapadwanj	6.20	32%	Completed	10/12/2021
63.	Mehmdabad	5.60	60%	Completed	17/11/2021
64.	Dakor	4.90	32%	Completed	10/12/2021
65.	Kheda	5.20	43%	Completed	17/11/2021
66.	Chotila-1	2.30	22%	Completed	30/09/2021
67.	Chotila-2	1.70	15.00%	Completed	30/09/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
68.	Wadhwan	12.10	0.00%	Completed	31/03/2022
69.	Barwala	2.90	14%	Completed	17/09/2021
70.	Harij	3.00	60%	Completed	31/12/2021
71.	Chanasma	2.50	0.00%	Completed	31/12/2021
72.	Ode	2.50	35%	Completed	09/09/2021
73.	Karjan	5.20	30%	Completed	09/12/2021
74.	Vadnagar	5.94	95.00%	Completed	30/09/2021
75.	Botad	32.00	86.00%	Completed	31/07/2021
76.	Morbi-2	9.30	95%	Completed	31/07/2021
77.	Jetpur	23.50	95%	Completed	31/07/2021
78.	Gondal	16.50	55%	Completed	30/09/2021
79.	Amreli	18.20	77.00%	Completed	31/07/2021
80.	Kalol	23.50	16.00%	Completed	30/06/2022
81.	Palanpur	21.30	3.00%	95%	30/06/2022
82.	Deesa	17.00	70.00%	Completed	30/09/2021
83.	Bharuch	29.32	82.00%	90%	30/09/2021
84.	Vapi-1	14.00	55.00%	Completed	30/09/2021
85.	Anand-3	6.50	95%	Completed	31/08/2021
86.	Porbandar-1	12.80	82.00%	Completed	31/08/2021
87.	Damnagar	2.80	0.00%	Completed	11/02/2022
88.	Lathi	3.80	0.00%	Completed	11/02/2022
89.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1536.64			

New STPs for which work order given.

90.	Bhavnagar Akwada	19.2	7%	Completed	31/12/2022
91.	Anklav	3.60	20%	Completed	04/03/2022
92.	Khambhat-1	6.80	2%	Completed	04/06/2022
93.	Khambhat-2	4.50	2%	Completed	04/06/2022
94.	Thangadh	9.00	0.00%	Completed	07/06/2022
95.	Balasinor	6.50	2%	Completed	22/04/2022
96.	Savli	2.5	5%	Completed	18/04/2022
97.	Dabhoi	8.96	1%	Completed	18/04/2022
98.	Kanjari	3.3	16%	Completed	18/04/2022
99.	Halvad	6.7	0.00%	Completed	17/07/2022
100.	Rajpipla	5.02	5%	Completed	17/07/2022
101.	Pardi	4.60	0.0%	Completed	14/06/2022
102.	Mandvi Surat	3.50	0.0%	Completed	15/06/2022
103.	Ankleshwar	14.0	0.0%	Completed	15/09/2022
104.	Umargam	6.48	0.0%	Completed	14/09/2022
105.	Karamsad	7.0	0.0%	Completed	14/09/2022
106.	Boriavi	3.30	2%	Completed	14/09/2022
107.	Lunavada	5.60	0.0%	Completed	16/09/2022

108.	Palitana	10.81	0.0%	Completed	31/03/2022
Total		131.37			

Total STPs under construction: 1536.64+131.37=1668.01 MLD

Annexure-I (C)

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1.	Ahmedabad Dafnala	25	LOI Given	31/12/2022
2.	Vadodara Tarsali	100	Revised DPR under scrutiny	31/12/2022
3.	Vadodara Atladara	83	Tender to be re- invited	31/12/2022
4.	Vadodara Gajarawadi	93	Revised DPR under scrutiny	31/12/2022
5.	GandhinagarSargasan	50	LOI Given	31/12/2022
6.	Jamnagar Nr Rangmati River	50	DPR Stage	31/12/2022
7.	Junagadh Kalva	15.50	Work order given	31/12/2022
8.	Junagadh Zanzarda	11.00	Work order given	31/12/2022
9.	Junagadh near Lol river	29.50	Work order given	31/12/2022
10.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
11.	Bhanvad	3.00	Tender under approval	31/03/2022
12.	Visavadar	3.40	Tender recently approved	31/03/2022
13.	Lunawada	5.60	Tender under approval	31/03/2022
14.	Okha	10.10	Tender under approval	31/03/2022
15.	Beyt (near Okha)	1.20	Tender under approval	31/03/2022
16.	Khambhalia	5.50	Tender under approval	31/03/2022
17.	Salaya, Jamnagar	6.20	Tender under approval	31/03/2022
18.	Jamjodhpur	3.60	Tender recently approved	31/03/2022
19.	Wankaner	5.80	Tender recently approved	31/03/2022
20.	Chhaya	13.10	Tender under approval	31/03/2022
21.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
22.	Veraval- Patan	33.90	Tender to be invited	31/03/2022
23.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
24.	Babra	4.00	Under Tender evaluation	31/12/2022

25.	Kodinar	5.60	Under Tender evaluation	31/12/2022
26.	Sutrapada	4.00	Tender tobe invited	31/12/2022
27.	Talala	3.80	Under Tender evaluation	31/12/2022
28.	Chorvad	3.70	Tender recently approved	31/12/2022
29.	Halol	11.60	Tender to be invited	31/12/2022
30.	Thasra	2.30	Tender to be invited	31/12/2022
31.	Mandvi-2 (Salaya)	3.20	Tender to be invited	31/12/2022
32.	Mandvi-1 (JT Grounds)	5.30	Tender to be invited	31/12/2022
33.	Jamraval	2.60	Tender to be invited	31/12/2022
34.	Dhrol	3.60	Under tender evaluation.	31/12/2022
35.	Kalavad	4.50	Tender under approval	31/12/2022
36.	Maliya	2.50	Tender to be invited	31/12/2022
37.	Kutiyana	2.90	Tender under approval	31/12/2022
38.	Ranavav-1 (Adityana)	3.00	Tender under approval	31/12/2022
39.	Ranavav-2	4.50	Tender under approval	31/12/2022
40.	Dhoraji	12.90	Tender recently approved	31/12/2022
41.	Bhayavadar	3.10	Tender to be invited	31/12/2022
42.	Manavadar	4.90	Tender recently approved	31/12/2022
43.	Pethapur	3.80	DPR stage	30/06/2022
44.	Sikka	2.90	Tender recently approved	31/12/2022
45.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
46.	Mahesana-1	23.18	Under Tender evaluation	31/03/2022
47.	Mahesana-2	18.46	Under Tender evaluation	31/03/2022
48.	Jafrabad	5.4	Tender online	31/12/2022
49.	Gariyadhar	7.1	Under Tender evaluation	31/12/2022
50.	Shihor	8.9	Under Tender evaluation	31/12/2022
51.	Mangrol	9.6	DPR/DTP stage	31/12/2022
52.	Vanthli	2.2	DPR/DTP stage	31/12/2022
53.	Modasa	12.0	Under Tender evaluation	31/12/2022
54.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
55.	Songadh	4.5	Tender recently approved	31/12/2022
56.	Limdi	7.4	DPR/DTP stage	31/12/2022
57.	Bhachau	1.0	Tender under approval	31/12/2022
58.	Rapar	5.2	Under tender	31/12/2022

			evaluation.	
59.	Upleta	8.9	DPR/DTP stage	31/12/2022
60.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		856.57		

Newly proposed STPs.

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
61.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
62.	Gandhinagar Bhat	30	DPR Stage	31/12/2022
63.	Rajkot Raiyadhar	8.0	Tender online	31/12/2022
Total		98		

Total of Proposed STPs= 856.57+98=954.57 MLD

Annexure-II

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river

Annexure-II (A)

Progress/Status Report of the River/PRS water quality monitoring for the Month May-2021:

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
May -2021	D/S of Surendranagar City, Near Wadhwan Bridge (29538)	3.1	7.54	2.3	18.96	40	84

Annexure-II (B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River (May - 2021):

Location of sample collected	WATER PROJECT EMP PROGRAM BORE WELL WATER SAMPLE OF M/s BHAVANI PLASTIC GIDC WADHWAN – MONTHLY (29544)	
Sample ID	303498	
Date of sample collection	03-05-2021	
Parameter	**Unit**	**Result**
Arsenic	mg/l	NA
BOD	mg/l	1.0
COD	mg/l	7.74
Copper	mg/l	NA
pH	pH units	7.11
TDS	mg/l	2970
Iron	mg/l	NA
Lead	mg/l	NA
Mercury	Ppb	NA
Nickel	mg/l	NA
Zinc	mg/l	NA

Annexure-II (C)

Drains Details with Flow:

Total no. of drains = 05

Sr. No.	Location	Discharge (MLD)	
		Max.	Min.
1	Kumbharpara	0.80	0.10
2	Naklangpara	1.00	0.15
3	Near Shradhdha Hotel	0.50	0.10
4	Nr. Bari Darwaja	0.90	0.15
5	Vadhwan Bridge	0.40	0.05

Annexure-II (D)

STP & CETP results

Not Applicable

Annexure-III

Details w.r.t point no. XV, XVI, XVII &XVIII given by Irrigation Dept./WRD as on date

Sr.No	River name	Details/Status
1	Bhogavo	1. Environmental flow: • Bhogavo is not a perennial river. • Sometimes releasing surplus flood water during monsoon period, June to October in Bhogawo River through spillway gates at Bhogawo Dam site to Nana Kerala around 17 Km hence there is no question of releasing water during month from December to May period. • During the monsoon and on availability of excess flood water from Bhogavo to Kerala. (June to October) 2.Details of Good Irrigation Practices: • General government practice of irrigation is maintained in command area of Wadhwan Bhogavo-1 irrigation project and Wadhwan Bhogawo -2 irrigation project is reserved for Drinking Water Purpose. • Farmers are made aware to use water efficiently. 3. Detail on Flood Plain Management Zone: • As far as Wadhwan Bhogavo 1 reservoir project and Wadhwan Bhogavo-2 reservoir project, is concerned 12 villages of Surendranagar District are identified which and may be affected due to floods in D/s of Wadhwan Bhogavo 1 project, &WadhwanBhogavo-2 reservoir project, Wadhwan Bhogavo-1 &Wadhwan Bhogavo-2, for more than 1,36,861 cusecs discharge from above two dams. In such condition people of these villages are warned through early warning arrangement in consultation with revenue department.

Annexure-IV

Details w.r.t point no.XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/ River	Existing plantation / vegetation cover details	Proposed plan to cover remaining gap along river/river stretch	Time limit	Remarks
Bhogavo	Vegetation Cover is scattered and scanty covered by Thorny trees with Dry deciduous vegetation Prosopiosjuliflora, Azadirachtaaindica About 91% is covered with such scartly vegetation.	0.60 lacs Plantation to be done in 2020-2021	2020-2021	As per AAP (Annexure A) for both side plantation on PRS during 2020-21.

Annexure – A

List of Polluted River Stretches of Gujarat (River Both side Plantation AAP in 2020-21)		
Sr. No.	River	Plants (In lakhs)
1.	Sabarmati	1.54
2.	Bhadar	0.20
3.	Amlakhadi	0.10
4.	Bhogavo	0.60
5.	Khari	0.02
6.	Vishwamitri	0.15
7.	Dhadhar	1.10
8.	Triveni	0.10
9.	Amravati	0.10
10.	Damanganga	0.25
11.	Kolak	0.25
12.	Mahi	0.20
13.	Shedhi	0.15
14.	Tapi	0.35
15.	Anas	0.05
16.	Baleshwar Khadi	0.02
17.	Kim	0.02
18.	Meshwo	0.40
19.	Mindhola	0.05
20.	Narmada	0.45
Total		6.10

Plantation of **6.91** lakh trees have been carried out on both the sides of polluted river stretches against the action plan for planting 6.10 lakh trees

Annexure-V

Details received from concerned department regarding reuse of treated wastewater

Treated waste water utilization policy:

- Gujarat Government has framed Policy for Reuse of "Treated Waste Water (TWW)" by maximising the collection and treatment of sewage generated and reusing the treated wastewater on a sustainable basis. In this regards, revised action plan has been submitted by Gujarat Water Supply and Sewerage Board (GWSSB) to Chairman, CPCB where one of the objectives of the revised action plan is to reuse 70% of treated wastewater by 2025 and 100% of treated wastewater by 2030.
- As per the details received from Gujarat Water Supply & Sewerage Board, Latest status of Treated waste water reuse in the State is as under:

	Status		
	TWW reuse started (MLD)	TWW reuse projects in tender/execution stage (MLD)	TWW reuse under planning (MLD)
Municipal Corporations	623.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**646.68**	**250**	**790.4**

Annexure-VI

Non-Complying / Partially non-complying CETPs
April- 2021

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	508
		BOD	30	42
2.	M/s. Odhav Enviro Project Ltd., Odhav, Ahmedabad	COD	250	407
		BOD	30	39
3.	M/s. Gujarat Vepari Maha Mandal Sahkari Udhyogik Vasahat Ltd, Ahmedabad	NH3-N	50	80.5
4.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	BOD	30	31
		NH3-N	50	130.2
5.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	420
		BOD	30	35
		SS	100	118
6.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	COD	250	1697
		BOD	30	321
		SS	100	326
7.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	891
		SS	100	156
		NH3-N	50	63.14
8.	M/s. Vinayak Jal SudhikaranSahakariMandali Ltd, Bavla, Ahmedabad	SS	100	164
9.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	138
10.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar.	COD	500	942
		NH_3-N	50	137.2
11.	M/s. Panoli Enviro Technology Ltd., GIDC-Panoli, Bharuch	SS	150	280
12.	M/s. Gujarat Eco Textile Park Pvt. Ltd, Palsana, Surat	SS	<60	98
13.	Vapi Green Enviro Ltd (VGEL, Vapi) (Old Name-Vapi Waste & Effluent Management Co. Ltd) (GPCB ID: 24764)	NH_3-N	50	80.5

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
14.	M/s. Sarigam Clean Initiative (Old Name-Gujarat Industrial Development Corporation), Sarigam.	SS	100	110
15.	M/s Jetpur Dying & Printing Association, Jetpur, Rajkot	COD	250	664
		BOD	100	212
16.	M/s. Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	151
		BOD	30	49
17.	M/s. Jay Khodiyar Enviro-Technologies Pvt. Ltd., Rajkot	PH	6.5 to 8.5	8.72
18.	M/s CETP of Dahej Industrial Estate	COD	250	544
		NH3-N	50	112

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Gujarat
Monthly Progress Report of PRS Khari for May - 2021.

Overall status of the State:

I. Total Population: Urban Population – 2,57,45,083, Rural Population – 3,46,94,609 (Census - 2011)

II. Estimated Sewage Generation (MLD): 4003 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): 73 nos, 3485 MLD
  [7 under construction STPs are now complete and are now under trial run i.e additional 183.56 MLD]
- Capacity Utilization of existing STPs: 2739 MLD
  [additional utilization capacity as on May 2021 – 192.95 MLD from existing + newly commissioned STPs]
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
  [334.44 MLD - Gap considering 3668.56 MLD treatment capacity i.e 3485 MLD + 183.56 MLD]
- No. of Operational STPs: 73 [80 as on May 2021]
- No. of Complying STPs: 15
- No. of Non-complying STPs: 27 (including STPs not obtained CTE & CCA)
- ULBs having Oxidation ponds: 9
- Site of the STPs not visited: 17
- STPs not in operation during the site visit:3
- Details of STPs not available: 2
- STPs just commissioned / under trial run: 7
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 16, ➢ Non complying: 18 (Please refer Annexure VI) *(as per CM dash board data for **April-2021**, available on Board's website)

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Gujarat	44143	Not available	Out of 12815 water polluting industries 12700 industries having ETP. 12551 ETPs are complying with norms.	Existing CETPs : 34 Propose/Under construction/under expansion: 19

V. Solid Waste Management:

Particulars	Data
Total number of Urban Local Bodies and their population	162
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF	• There are total No. 755 of Plants for Vermi / Aerobic/ anaerobic Composting of installed processing capacity 7477 TPD. • There are 232 plants Material Recovery Facilities (MRF) with processing capacity of 5441.93 TPD installed capacity. • There are 5 plants of RDF with processing of 1390.25 TPD. • Biogas 29 plants with capacity of 1086 TPD.
Action plan to bridge gap between installed capacity and current utilization of processing facilities (if gap > 20%)	Gap is less than 20% hence not applicable.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	There are 2 Processing plants C & D Waste with processing capacity of 1300 TPD.
Total no. of wards: no. of wards having door to door collection service: no. of wards practicing segregation at source falling into PRS:	1418 1418 Information not available
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Information not available
No. and area (in acres) of uncontrolled garbage dumpsites and sanitary landfills.	Information not available
No. and area (in acres) of legacy waste within 1km. buffer on both side of the PRS	Information not available
No. of drains falling into PRS and no. of drains having floating racks/screens installed to prevent solid waste from falling into PRS	Not provided, however in-situ remediation at Ankleshwar and Kheda municipalities are under implementation. It will be commenced in all 7 municipalities related to PRS within one month after positive results of technology.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Details are being prepared					

VI. Bio-medical Waste Management:

- Total Bio-medical generation(Related to entire State): 36.42 MT/day

  Total Bio-medical generation(Related to PRS): 27.54 MT/day
- No. of Hospitals and Health Care Facilities(Related to entire State): 31286

  No. of Hospitals and Health Care Facilities(Related to PRS): 28399

- Status of Treatment Facility/ CBMWTF(Related to entire State)
  : Existing – 20, Proposed – 1
  Capacity – 126 MT/day

  Status of Treatment Facility/ CBMWTF(Related to PRS): Existing – 16
  Capacity – 108 MT/day

VII. Hazardous Waste Management:

- Total Hazardous Waste generation: 2.5 to 2.7 MMT as per HW inventory which includes landfill, incineration, recycling and co-processing. (It depends upon the industrial operation of the year)
- No. of Industries generating Hazardous waste: About 19683 as per HW inventory 19-20
- Treatment Capacity of all TSDFs: Total installed capacity about 8626332MT
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated: 1.3 MMT as per HW inventory 19-20
- Details of on-going or proposed TSDF: 7 nos. proposed TSDF having total installed capacity about 36lac MT

VIII. Plastic Waste Management:

- Total Plastic Waste generation: 408201.08 TPA (April 2019-March 2020)
- Treatment/ Measures adopted for reduction or management of plastic waste:

Disposal of Plastic Waste through	Co-processing	109157.435 MT (from April 2019 to August 2020)
	Recycler	Total no. recycling units: 597 Capacity of recycling plastic waste: 11,13,526.56 MT/Y
	Refuse Derived Fuel	MSW units : 2 Quantity of final product sold is 129,575 MT/Annum containing 7 % of plastic waste i.e. 9071 MT/Annum (April 2019-March 2020)
	Pyrolysis	Total no. of operational units: 2 Cap. to convert plastic waste into oil: 5075 TPA Plastic used as raw material: 600 MT/M

IX.	Details of Alternate Treatment Technology being adopted by the State/UT:
-Ahmedabad & Vadodara Municipal Corporations have set up dry sewage sludge hygienisation Cobalt – 60 gamma irradiation plant. (Ahmedabad Municipal Corporation - 100 tonnes per day)	

- Legacy waste treatment at Pirana dumping site, Ahmedabad.	
X.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment:
Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan. Proposal not received from PRH & RDD/ Concerned for in-situ remediation.	
XI.	Details of Nodal Officer appointed by Chief Secretary in the State/UT:
In compliance to the direction of Hon'ble NGT with reference to set up of Monitoring Mechanism, Deputy Environmental Engineer (ShriT.C.Patel) has been deputed vide letter dated 10.06.2020 at Chief Secretary office to look after the Hon'ble NGT matters.	
XII.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
All NGT matters are being reviewed regularly under chairmanship of Hon'ble CS.Total 2 review meetings are conducted so far under the chairmanship of Hon'ble CS to monitor the progress with reference to the action plans submitted w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 673/2018and to resolve various issues/non -compliances. Last meeting was convened on 10/09/2020 under the chairmanship of Hon'ble Chief Secretary Gujarat State. Two review meetings have been convened so far w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 606/2018 which also includes the review of matters related to O.A. No.:-673/2018.	
XIII.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;
Details are attached as **Annexure – II**	
XIV.	Ground water regulation:
GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" Final comments /suggestions were sought by GWRDC vide letter dated 02/11/2020 from concerned departments for finalization of the draft bill. Seven meetings of sub-committee have been convened so far for finalization of the draft bill. The final draft bill was approved by the sub-committee during the meeting held on 12/11/2020 as per the minutes of meeting. The final draft of the bill has been submitted to the Chairman of the Committee and Special Secretary, (WR), Narmada Water Resource, Water Supply &Kalpsar department, Govt. of Gujarat, for consideration in the main committee meeting.	

XV.	Good irrigation practices being adopted by the State:
XVI.	Rain Water Harvesting:
XVII.	Demarcation of Floodplain and removal of illegal encroachments:
XVIII.	Maintaining minimum e-flow of river:
Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date is attached as **Annexure – III.**	
XIX.	Plantation activities along the rivers:
Details w.r.t point no. XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV**	
XX.	Development of biodiversity park:
As per the information received from GBB, vide letter dated 24.04.2020, Forest Dept. has established a very rich Botanical Garden at Waghai, Dangs. It also has a chain of Research Stations, Germ Plasms Banks, Provenance Banks, Sample Plots, Preservation Plots spread all over the State. Many working plans have Conservation or Preservation Working Circles for the express purpose of Biodiversity Conservation. The National Working Pan Code 2014 also mandates a Biodiversity Conservation Working Circle. All plans coming up for revision now shall have a Biodiversity Conservation Working Circle. Besides a host of Biodiversity based activities like Cactus Park, Ekta Van, Ekta Nursery, and Nutritional Park etc., have come up at Statue of Unity. Moreover, Shakkarbaug Zoo is an "A" Category zoological park along with many other zoological parks at Rajkot, Ahmedabad, Gandhinagar, Vadodara, Surat, Kevadiya etc. All these are repositories of biodiversity. Therefore, these may be treated as a Biodiversity park is totality. GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 Crore for the development of Biodiversity Park. Team suggested tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.	
XXI.	Reuse of Treated Water:
Details are attached as **Annexure – V**	
XXII.	Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:
River Sabarmati is proposed to be adopted as model river stretch, however it will be finalized in the next RRC meeting to be held on 27.11.2020.	
XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:

Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms.

STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.

XXIV.	Regulation of Mining Activities in the State/UT:

Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.

XXV.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring

- Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 .
- Number of closure directions to defaulting units under section 31 A of Air Act – 1981: 5703 respectively.
- Number of notice of directions to defaulting units under section 33 A of Water Act – 1974: 17263.
- Number of closure directions to defaulting units under section 33 A of Water Act – 1974: 11383.
- Number of notice of directions under rule 4(2) of the EPAct – 1986 read with Hazardous Waste (Management, Handling &Transboundary) Rules – 2008: 4130
- Number of closure directions under section 5 of the EPAct – 1986 read with Hazardous Waste (Management, Handling &Transboundary) Rules – 2008: 1583

(As per Annual report – 2018-19)

***Note: Incremental progress made by the State/UT in each activity to be provided.**

RRC meetings:

RRC meetings are regularly being held at GPCB, Gandhinagar to review the progress and the minutes of the meeting, having progress status, is regularly submitted to CPCB. Last RRC (9th RRC) meeting was conducted on 27/11/2020. Following are the gist of main points discussed during the meeting:

- Concerned departments / authorities/ organizations were asked to submit proposals with elongated /revised timeline for completion of the projects with the justification
- Concerned departments / authorities/ organizations were asked to furnish details of incremental progress of the projects & activities proposed under the Action Plans of Polluted River Stretches
- All the concerned Municipal Corporations & Nagapalikas were asked to submit the list of STPs not complying with the norms and proposals for up-gradation of the STPs not complying with the norms along with the timeline for completion of the same.
- GWSSB was asked to submit STP wise progress of land issues on monthly basis to RRC and GPCB.
- River Sabarmati has been selected as model river stretch.

STPs:

Sr. No.	**Proposed STP details**	**Status**
1.	Vinzol (35 mld) AMC	Commissioned
2.	Vinzol (100 mld) AMC	Under Progress, 95% Completed. (Revised timeline 31/08/2021)

CETPs:

GIDCs of Naroda, Odhav, Vatva and GVMM are discharging their treated waste water from CETPs in to the MEGA Pipeline which is specifically dedicated for conveyance of Effluent generated from the estates which is ultimately being discharged in River Sabarmati. Hence there is no industrial waste water discharge in to River Khari from these industrial estates.

Annexure-I (A)

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
1	Ahmedabad Pirana 2009	60	60	Operational	Non Compliance	
2	Ahmedabad Old Pirana 2004	106	106	Operational	Non Compliance	SCN-587981
3	Ahmedabad Pirana 2009	180	180	Operational	Non Compliance	
4	Ahmedabad Vasna 2004	126	126	Operational	Non Compliance	
5	Ahmedabad Vasna 2009	35	35	Operational	Compliance	
6	Ahmedabad Vasna 2011	240	235	Operational	Compliance	
7	Ahmedabad Vinzol 2011	70	70	Operational	Compliance	
8	Ahmedabad Vasna 2018	48	48	Operational	Compliance	
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Compliance	
10	Ahmedabad Vinzol 2020	35	30	Operational	Compliance	
11	Ahmedabad Arvind Mill	8	8	Operational	Compliance	
12	Ahmedabad Rasala	1	1	Operational	Not in operation during site visit	
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Site not visited	Only obtained ID, Not applied for CTE/CCA
14	Ahmedabad V S Hospital	1	1	Operational	Compliance	
15	Ahmedabad Nikol	0.5	0.5	Operational	Details not available	
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Compliance	
17	Ahmedabad Lambha	5	2	Operational	Details not available	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
18	Surat Singanpore 2003/2014	155	147.58	Operational	Compliance	
19	Surat Karanj 1999/2015	140	136.59	Operational	Site not visited	
20	Surat Bhatar 1999/2014/2017	162	162	Operational	Site not visited	
21	Surat Anjana 1995/2007/2019	122	121	Operational	Site not visited	
22	Surat Bamroli 2008/2019	100	100	Operational	Non Compliance	SCN-591844
23	Surat Bhesan 1995/2009/2020	200 (100 existing + 100 proposed expansion)	120.52	Operational	Site not visited	
24	Surat Khajod 2011	25	24.20	Operational	Site not visited	
25	Surat Asarama 2011	15	15	Operational	Non Compliance	SCN-591208
26	Surat Dindoli 2012/2019	167	72.50	Operational	Site not visited	
27	Surat Variav-Kosad 2012/2017	134	131	Operational	Compliance	
28	Surat Gavier 2016	53	16	Operational	Non Compliance	SCN-589968
29	Vadodara Tarsali	52	58	Operational	Non Compliance	SCN-591157
30	Vadodara Gajarawadi	66	72	Operational	Non Compliance	SCN-591155
31	Vadodara Kapurai	43	50	Operational	Non Compliance	SCN-591156
32	Vadodara Rajivnagar	78	55	Operational	Compliance	
33	Vadodara Sayaji garden	8.5	7	Operational	Non Compliance	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
34	Vadodara Channi	21	21	Operational	Non Compliance	SCN-590935
35	Vadodara Atladara (old)	43	51	Operational	Non Compliance	SCN-28/05/2021
36	Vadodara Atladara (new)	43	43	Operational	Non Compliance	SCN-28/05/2021
37	Gandhinagar Jaspur 2007	76	45	Operational	Non Compliance	SCN-589724
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Non Compliance	
39	Gandhinagar Basan 2011-12	2	1.0	Operational	Non Compliance	SCN-590220
40	Rajkot Nr Raiya village 2010	51	45	Operational	Site not visited	
41	Rajkot Raiyadhar 2017	56	35	Operational	Compliance	
42	Rajkot Nr Madhapar 2018	44.5	16	Operational	Non Compliance	
43	Rajkot Nr Kothariya Village 2017	15	9	Operational	Non Compliance	
44	Rajkot Gavaridad 2018	70	35	Operational	Non Compliance	
45	Rajkot Madhapar 2019	80	30	Operational	Non Compliance	SCN-5858200
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Site not visited	
47	Bhavnagar Behind Excel industries	45	40	Operational	Site not visited	
48	Jamnagar Navagam Ghed	70	70	Operational	Site not visited	
49	Gandhidham - Anjar	30.00	22	Operational	Site not visited	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
50	Patan	25.00	13	Operational	Site not visited	
51	Nadiad	51.26	20	Operational	Not in operation	
52	Siddhpur	5.62	5	Operational	Oxidation pond	
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond	
54	Sanand	20.50	0	Non - Operational	Site not visited	
55	Himmatnagar	17.51	6	Operational	Site not visited	
56	Petlad	10.37	8	Operational	Non Compliance	
57	Dholka	13.60	8	Operational	Non Compliance	
58	Savarkundla	13.90	5	Operational	Oxidation pond	
59	Gadhda	6.50	2	Operational	Oxidation pond	
60	Kathlal	3.80	2.59	Operational	Oxidation pond	
61	Mahudha	2.10	1.76	Operational	Oxidation pond	
62	Bayad	4.00	2.06	Operational	Oxidation pond	
63	Patadi	2.80	1.33	Operational	Oxidation pond	
64	Sojitra	2.30	2	Operational	Oxidation pond	
65	Dwarka	7.50	2.28	Operational	Site not visited	Not obtained CTE/CCA
66	Godhra	27.60	4	Operational	Site not visited	
67	Bhuj	23.70	19	Operational	Non Compliance	Not obtained CTE/CCA
68	Bhachau	10	4	Operational	Non compliance	Not obtained CTE & CCA
69	Anand (Lambhvel)	33	9	Operational	Compliance	Not obtained CTE/CCA
70	Anand (TP-8)	13.5	2.5	Operational	Non Compliance	SCN-589391
71	Surendranagar	32.3	17	Operational	Compliance	
72	Valsad-1	20.2	2	Operational	Not in operation during site visit	
73	Morbi	28.8	6	Operational	Non Compliance	
Total		3598.86	2915.91			

New STPs under trail run.

74	Jasdan	8.80	4.0	Under trial run	

75	Tharad	4.80	2.5	Under trial run	
76	Dehgam	7.60	4.0	Under trial run	
77	Dhangadhra	11.60	1.04	Under trial run	
78	Porbandar	19.10	3.0	Under trial run	
79	Bardoli	11.30	0.0	Under trial run	
80	Vyara	6.50	1.50	Under trail run	
Total		69.7	16.04		

CTE: Consent to Establish, CC&A: Consolidated Consents and Authorization.

Annexure-I (B)

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1.	Ahmedabad Vinzol	100	95%	Completed	31/08/2021
2.	Ahmedabad Pirana	155	93%	Completed	31/08/2021
3.	Ahmedabad Maleksaban	30	30%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	02%	Completed	31/12//2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	SuratSinganpore	100	98%	Completed	31/07/2021
7.	SuratBhatar	115	74%	Completed	31/07/2021
8.	SuratBamroli	115	77%	Completed	28/02/2022
9.	SuratAsarma	22.5	54%	Completed	05/04/2022
10.	SuratKhajod	30	36%	Completed	30/11/2021
11.	Vadodara Kapurai	60	78%	85%	31/12/2021
12.	Vadodara Chhani	50	40%	Completed	31/12/2021
13.	Vadodara Bhayli	45	45%	Completed	28/02/2022
14.	Vadodara Sayaji garden	7.5	65%	Completed	28/02/2022
15.	Rajkot Kothariya, on NH bypass	15	25%	Completed	07/09/2021
16.	Bhavnagar Axcel Industries	50	42%	Completed	31/05/2022
17.	JunagadhBilkha Road, Near CBSE School	8.2	70%	Completed	03/09/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
18.	Rajula	5.70	13%	Completed	31/10/2021
19.	Bagasara	5.90	14%	Completed	31/10/2021
20.	Chalala	2.80	90%	Completed	31/08/2021
21.	Mahuva	16.30	90%	Completed	31/08/2021
22.	Talaja	5.80	80%	Completed	31/08/2021
23.	Una	11.70	96%	Completed	31/08/2021
24.	Bantva	2.60	98%	Completed	31/08/2021
25.	Mansa	5.00	45%	Completed	31/08/2021
26.	Dhanera	4.00	48.00%	Completed	15/11/2021
27.	Bhabhar	3.50	45%	Completed	25/09/2021
28.	Thara	3.60	45%	Completed	15/11/2021
29.	Kadi	12.80	55%	Completed	05/09/2021
30.	Unjha	11.60	81%	Completed	31/08/2021
31.	Visnagar-1	12.00	97.00%	Completed	31/07/2021
32.	Visnagar-2	5.30	75%	Completed	31/08/2021
33.	Kheralu	2.90	90%	Completed	10/11/2021
34.	Vijapur	4.10	50%	Completed	10/11/2021
35.	Radhanpur	6.00	15%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	13/06/2022
36.	Idar	7.40	91.00%	Completed	31/08/2021
37.	Khedbrahma	5.80	91.00%	Completed	31/08/2021
38.	Prantij	3.70	91%	Completed	31/08/2021
39.	Talod	3.60	17%	Completed	30/10/2021
40.	Vadali	3.80	5%	Completed	30/10/2021
41.	Jambusar	5.90	62%	Completed	16/10/2021
42.	Amod	3.10	62%	Completed	16/10/2021
43.	Bilimora	8.30	15%	Completed	04/03/2022
44.	Gandevi	2.60	20%	Completed	31/03/2022
45.	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
46.	Dharampur	4.10	62%	Completed	31/08/2021
47.	Borsad	9.80	95%	Completed	31/08/2021
48.	Umreth	6.10	61%	Completed	25/08/2021
49.	Dahod	13.70	98.00%	Completed	31/07/2021
50.	Zalod	4.60	95%	Completed	31/07/2021
51.	Devgadhbariya	3.80	79%	Completed	31/07/2021
52.	Santrampur	2.91	41%	Completed	21/09/2021
53.	Kalol (P)	4.77	55%	Completed	09/09/2021
54.	Shehra	2.80	26%	Completed	30/09/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
55.	Chhotaudepur	5.00	96%	Completed	31/07/2021
56.	Padra	5.60	82%	Completed	20/08/2021
57.	Viramgam	4.50	85%	Completed	31/08/2021
58.	Bavla	5.80	35%	Completed	12/12/2021
59.	Dhandhuka	7.50	95%	Completed	31/07/2021
60.	Bareja	3.10	85%	Completed	31/07/2021
61.	Chaklasi	4.90	0.00%	Completed	31/03/2022
62.	Kapadwanj	6.20	32%	Completed	10/12/2021
63.	Mehmdabad	5.60	60%	Completed	17/11/2021
64.	Dakor	4.90	32%	Completed	10/12/2021
65.	Kheda	5.20	43%	Completed	17/11/2021
66.	Chotila-1	2.30	22%	Completed	30/09/2021
67.	Chotila-2	1.70	15.00%	Completed	30/09/2021
68.	Wadhwan	12.10	0.00%	Completed	31/03/2022
69.	Barwala	2.90	14%	Completed	17/09/2021
70.	Harij	3.00	60%	Completed	31/12/2021
71.	Chanasma	2.50	0.00%	Completed	31/12/2021
72.	Ode	2.50	35%	Completed	09/09/2021
73.	Karjan	5.20	30%	Completed	09/12/2021
74.	Vadnagar	5.94	95.00%	Completed	30/09/2021
75.	Botad	32.00	86.00%	Completed	31/07/2021
76.	Morbi-2	9.30	95%	Completed	31/07/2021
77.	Jetpur	23.50	95%	Completed	31/07/2021
78.	Gondal	16.50	55%	Completed	30/09/2021
79.	Amreli	18.20	77.00%	Completed	31/07/2021
80.	Kalol	23.50	16.00%	Completed	30/06/2022
81.	Palanpur	21.30	3.00%	95%	30/06/2022
82.	Deesa	17.00	70.00%	Completed	30/09/2021
83.	Bharuch	29.32	82.00%	90%	30/09/2021
84.	Vapi-1	14.00	55.00%	Completed	30/09/2021
85.	Anand-3	6.50	95%	Completed	31/08/2021
86.	Porbandar-1	12.80	82.00%	Completed	31/08/2021
87.	Damnagar	2.80	0.00%	Completed	11/02/2022
88.	Lathi	3.80	0.00%	Completed	11/02/2022
89.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1536.64			

New STPs for which work order given.

90.	Bhavnagar Akwada	19.2	7%	Completed	31/12/2022
91.	Anklav	3.60	20%	Completed	04/03/2022
92.	Khambhat-1	6.80	2%	Completed	04/06/2022
93.	Khambhat-2	4.50	2%	Completed	04/06/2022
94.	Thangadh	9.00	0.00%	Completed	07/06/2022
95.	Balasinor	6.50	2%	Completed	22/04/2022
96.	Savli	2.5	5%	Completed	18/04/2022
97.	Dabhoi	8.96	1%	Completed	18/04/2022
98.	Kanjari	3.3	16%	Completed	18/04/2022
99.	Halvad	6.7	0.00%	Completed	17/07/2022
100.	Rajpipla	5.02	5%	Completed	17/07/2022
101.	Pardi	4.60	0.0%	Completed	14/06/2022
102.	Mandvi Surat	3.50	0.0%	Completed	15/06/2022
103.	Ankleshwar	14.0	0.0%	Completed	15/09/2022
104.	Umargam	6.48	0.0%	Completed	14/09/2022
105.	Karamsad	7.0	0.0%	Completed	14/09/2022
106.	Boriavi	3.30	2%	Completed	14/09/2022
107.	Lunavada	5.60	0.0%	Completed	16/09/2022
108.	Palitana	10.81	0.0%	Completed	31/03/2022
Total		131.37			

Total STPs under construction: 1536.64+131.37=1668.01 MLD

Annexure-I (C)

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1.	Ahmedabad Dafnala	25	LOI Given	31/12/2022
2.	Vadodara Tarsali	100	Revised DPR under scrutiny	31/12/2022
3.	Vadodara Atladara	83	Tender to be re- invited	31/12/2022

4.	Vadodara Gajarawadi	93	Revised DPR under scrutiny	31/12/2022
5.	GandhinagarSargasan	50	LOI Given	31/12/2022
6.	Jamnagar Nr Rangmati River	50	DPR Stage	31/12/2022
7.	Junagadh Kalva	15.50	Work order given	31/12/2022
8.	Junagadh Zanzarda	11.00	Work order given	31/12/2022
9.	Junagadh near Lol river	29.50	Work order given	31/12/2022
10.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
11.	Bhanvad	3.00	Tender under approval	31/03/2022
12.	Visavadar	3.40	Tender recently approved	31/03/2022
13.	Lunawada	5.60	Tender under approval	31/03/2022
14.	Okha	10.10	Tender under approval	31/03/2022
15.	Beyt (near Okha)	1.20	Tender under approval	31/03/2022
16.	Khambhalia	5.50	Tender under approval	31/03/2022
17.	Salaya, Jamnagar	6.20	Tender under approval	31/03/2022
18.	Jamjodhpur	3.60	Tender recently approved	31/03/2022
19.	Wankaner	5.80	Tender recently approved	31/03/2022
20.	Chhaya	13.10	Tender under approval	31/03/2022
21.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
22.	Veraval- Patan	33.90	Tender to be invited	31/03/2022
23.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
24.	Babra	4.00	Under Tender evaluation	31/12/2022
25.	Kodinar	5.60	Under Tender evaluation	31/12/2022
26.	Sutrapada	4.00	Tender tobe invited	31/12/2022
27.	Talala	3.80	Under Tender evaluation	31/12/2022
28.	Chorvad	3.70	Tender recently approved	31/12/2022
29.	Halol	11.60	Tender to be invited	31/12/2022
30.	Thasra	2.30	Tender to be invited	31/12/2022
31.	Mandvi-2 (Salaya)	3.20	Tender to be invited	31/12/2022
32.	Mandvi-1 (JT Grounds)	5.30	Tender to be invited	31/12/2022
33.	Jamraval	2.60	Tender to be invited	31/12/2022
34.	Dhrol	3.60	Under tender evaluation.	31/12/2022

35.	Kalavad	4.50	Tender under approval	31/12/2022
36.	Maliya	2.50	Tender to be invited	31/12/2022
37.	Kutiyana	2.90	Tender under approval	31/12/2022
38.	Ranavav-1 (Adityana)	3.00	Tender under approval	31/12/2022
39.	Ranavav-2	4.50	Tender under approval	31/12/2022
40.	Dhoraji	12.90	Tender recently approved	31/12/2022
41.	Bhayavadar	3.10	Tender to be invited	31/12/2022
42.	Manavadar	4.90	Tender recently approved	31/12/2022
43.	Pethapur	3.80	DPR stage	30/06/2022
44.	Sikka	2.90	Tender recently approved	31/12/2022
45.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
46.	Mahesana-1	23.18	Under Tender evaluation	31/03/2022
47.	Mahesana-2	18.46	Under Tender evaluation	31/03/2022
48.	Jafrabad	5.4	Tender online	31/12/2022
49.	Gariyadhar	7.1	Under Tender evaluation	31/12/2022
50.	Shihor	8.9	Under Tender evaluation	31/12/2022
51.	Mangrol	9.6	DPR/DTP stage	31/12/2022
52.	Vanthli	2.2	DPR/DTP stage	31/12/2022
53.	Modasa	12.0	Under Tender evaluation	31/12/2022
54.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
55.	Songadh	4.5	Tender recently approved	31/12/2022
56.	Limdi	7.4	DPR/DTP stage	31/12/2022
57.	Bhachau	1.0	Tender under approval	31/12/2022
58.	Rapar	5.2	Under tender evaluation.	31/12/2022
59.	Upleta	8.9	DPR/DTP stage	31/12/2022
60.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		856.57		

Newly proposed STPs.

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
61.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
62.	Gandhinagar Bhat	30	DPR Stage	31/12/2022
63.	Rajkot Raiyadhar	8.0	Tender online	31/12/2022
Total		98		

Total of Proposed STPs= 856.57+98=954.57 MLD

Annexure-II

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river

Annexure-II (A)

Progress/Status Report of the River/PRS water quality monitoring for the Month May - 2021:

River/PRS	Name of Location	Parameter					
		DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Total coliform (MPN/ 100ml)	Fecal coliform (MPN/100 ml)
Khari	Lali village (13401)	BDL	7.59	88	599	>1600	>1600

Annexure-II (B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River for May - 2021:

Location ID	Name of Location	Parameter									
		pH	BOD (mg/l)	COD (mg/l)	Cu mg/l	Fe mg/l	Pb mg/l	Cd mg/l	Ni mg/l	Zn mg/l	T. Cr.
10836	Borewell of Lali Gram Panchayat	Sample is not collected due to three monthly(3M) project									

Annexure-II (C)

Drains Details with Flow: 219813

Sr.No.	Location	Name of Inletting River/Drain	Discharge (MLD)	
			Max.	Min.
1	Vinzol STP	STP discharge of AMC at Vinzol in to river Khari through Pipeline	185	165
2	Kharicut Canal at Railway Bridge	Railway Bridge near Vinzol	0.5	0.2

Annexure-II (D)

STP & CETP results:

Vinzol STP(70MLD)(21913)

Location of sample collection	Discharge norms	Analysis Results
Final out let of STP Dtd.	pH-6.5 to 8.5	Results yet not freeze
	BOD- Less than 20mg/L	
	SS- Less than 30mg/L	
	Total coliform(TC)- < 1000 MPN/100 ml	
	Fecal coliform(FC)- < 1000 MPN/100 ml	
	Residual Chlorine-0.5mh/L	

CETP Results: There is no industrial wastewater discharge into River Khari.

Annexure-III

Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date

Sr.No	River name	Details/Status
1	Bhadar	1. Environmental flow: • Khari River is a small tributary of the Sabarmati River & not a perennial river. There is no any structure built on Khari River. In the monsoon season the natural water is flowing into the river which flows into the river up to month of February-March.In the summer season Water is released after treated as per the government norms by Municipal Corporation from the STP plants situated on the banks of the river. • Sufficient water is flown during almost all of the year hence the question does not arise. 2. Detail of Good Irrigation Practices: • This river does not contain command area. • Farmers are made aware to use water efficiently. • Canal System of Kharicut canal system is 80% lined so as to minimize seepage losses. Also, Kharicut canal receives water from Narmada Canal. 3. Detail on Flood Plain Management Zone: • As far as Khari river is concerned it is tributary of Sabarmati river, the village is situated in the bank of the river are warned as per the flood memorandum through early warning arrangement in consultation with revenue department.

Annexure-IV

Details w.r.t point no. XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/ River	Existing plantation / vegetation cover details	Proposed plan to cover remaining gap along river/river stretch	Time limit	Remarks
Sabarmati, Khari	25,000 Plants were planted along the Sabarmati and Meshwo river in the areas available under the Vanmahotsav and other Schemes of the forest Department with the co-operation of local People.	0.02 Lacs plantation to be done in 2020-2021	2020-21	As per AAP (Annexure A) for both side plantation on PRS during 2020-21.

Annexure – A

List of Polluted River Stretches of Gujarat (River Both side Plantation AAP in 2020-21)		
Sr. No.	River	Plants (In lakhs)
1.	Sabarmati	1.54
2.	Bhadar	0.20
3.	Amlakhadi	0.10
4.	Bhogavo	0.60
5.	Khari	0.02
6.	Vishwamitri	0.15
7.	Dhadhar	1.10
8.	Triveni	0.10
9.	Amravati	0.10
10.	Damanganga	0.25
11.	Kolak	0.25
12.	Mahi	0.20
13.	Shedhi	0.15
14.	Tapi	0.35
15.	Anas	0.05
16.	Baleshwar Khadi	0.02
17.	Kim	0.02
18.	Meshwo	0.40
19.	Mindhola	0.05
20.	Narmada	0.45
Total		6.10

Plantation of **6.91** lakh trees have been carried out on both the sides of polluted river stretches against the action plan for planting 6.10 lakh trees

Annexure-V

Details received from concerned department regarding reuse of treated wastewater

Treated waste water utilization policy:

- Gujarat Government has framed Policy for Reuse of "Treated Waste Water (TWW)" by maximising the collection and treatment of sewage generated and reusing the treated wastewater on a sustainable basis. In this regards, revised action plan has been submitted by Gujarat Water Supply and Sewerage Board (GWSSB) to Chairman, CPCB where one of the objectives of the revised action plan is to reuse 70% of treated wastewater by 2025 and 100% of treated wastewater by 2030.
- As per the details received from Gujarat Water Supply & Sewerage Board, Latest status of Treated waste water reuse in the State is as under:

	Status		
	TWW reuse started (MLD)	TWW reuse projects in tender/execution stage (MLD)	TWW reuse under planning (MLD)
Municipal Corporations	623.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**646.68**	**250**	**790.4**

Annexure-VI

Non-Complying / Partially non-complying CETPs
April- 2021

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	508
		BOD	30	42
2.	M/s. Odhav Enviro Project Ltd., Odhav, Ahmedabad	COD	250	407
		BOD	30	39
3.	M/s. Gujarat Vepari Maha Mandal Sahkari Udhyogik Vasahat Ltd, Ahmedabad	NH3-N	50	80.5
4.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	BOD	30	31
		NH3-N	50	130.2
5.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	420
		BOD	30	35
		SS	100	118
6.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	COD	250	1697
		BOD	30	321
		SS	100	326
7.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	891
		SS	100	156
		NH3-N	50	63.14
8.	M/s. Vinayak Jal SudhikaranSahakariMandali Ltd, Bavla, Ahmedabad	SS	100	164
9.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	138

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
10.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar.	COD	500	942
		NH_3-N	50	137.2
11.	M/s. Panoli Enviro Technology Ltd., GIDC-Panoli, Bharuch	SS	150	280
12.	M/s. Gujarat Eco Textile Park Pvt. Ltd, Palsana, Surat	SS	<60	98
13.	Vapi Green Enviro Ltd (VGEL, Vapi) (Old Name-Vapi Waste & Effluent Management Co. Ltd) (GPCB ID: 24764)	NH_3-N	50	80.5
14.	M/s. Sarigam Clean Initiative (Old Name-Gujarat Industrial Development Corporation), Sarigam.	SS	100	110
15.	M/s Jetpur Dying & Printing Association, Jetpur, Rajkot	COD	250	664
		BOD	100	212
16.	M/s. Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	151
		BOD	30	49
17.	M/s. Jay Khodiyar Enviro-Technologies Pvt. Ltd., Rajkot	PH	6.5 to 8.5	8.72
18.	M/s CETP of Dahej Industrial Estate	COD	250	544
		NH3-N	50	112

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Gujarat
Monthly Progress Report of PRS Sabarmati for May - 2021.

Overall status of the State:

I. Total Population: Urban Population – 2,57,45,083, Rural Population – 3,46,94,609 (Census - 2011)

II. Estimated Sewage Generation (MLD): 4003 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): 73 nos, 3485 MLD
- [7 under construction STPs are now complete and are now under trial run i.e additional 183.56 MLD]
- Capacity Utilization of existing STPs: 2739 MLD
- [additional utilization capacity as on May 2021 – 192.95 MLD from existing + newly commissioned STPs]
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
- [334.44 MLD - Gap considering 3668.56 MLD treatment capacity i.e 3485 MLD + 183.56 MLD]
- No. of Operational STPs: 73 [80 as on May 2021]
- No. of Complying STPs: 15
- No. of Non-complying STPs: 27 (including STPs not obtained CTE & CCA)
- ULBs having Oxidation ponds: 9
- Site of the STPs not visited: 17
- STPs not in operation during the site visit:3
- Details of STPs not available: 2
- STPs just commissioned / under trial run: 7
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 16, ➢ Non complying: 18 (Please refer Annexure VI) *(as per CM dash board data for **April-2021**, available on Board's website)

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Gujarat	44143	Not available	Out of 12815 water polluting industries 12700 industries having ETP. 12551 ETPs are complying with norms.	Existing CETPs : 34 Propose/Under construction/under expansion: 19

V. Solid Waste Management:

Particulars	Data
Total number of Urban Local Bodies and their population	162
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF	• There are total No. 755 of Plants for Vermi / Aerobic/ anaerobic Composting of installed processing capacity 7477 TPD. • There are 232 plants Material Recovery Facilities (MRF) with processing capacity of 5441.93 TPD installed capacity. • There are 5 plants of RDF with processing of 1390.25 TPD. • Biogas 29 plants with capacity of 1086 TPD.
Action plan to bridge gap between installed capacity and current utilization of processing facilities (if gap > 20%)	Gap is less than 20% hence not applicable.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	There are 2 Processing plants C & D Waste with processing capacity of 1300 TPD.
Total no. of wards: no. of wards having door to door collection service: no. of wards practicing segregation at source falling into PRS:	1418 1418 Information not available
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Information not available
No. and area (in acres) of uncontrolled garbage dumpsites and sanitary landfills.	Information not available
No. and area (in acres) of legacy waste within 1km. buffer on both side of the PRS	Information not available
No. of drains falling into PRS and no. of drains having floating racks/screens installed to prevent solid waste from falling into PRS	Not provided, however in-situ remediation at Ankleshwar and Kheda municipalities are under implementation. It will be commenced in all 7 municipalities related to PRS within one month after positive results of technology.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Details are being prepared.					

VI. Bio-medical Waste Management:

- Total Bio-medical generation(Related to entire State): 36.42 MT/day
  Total Bio-medical generation(Related to PRS): 27.54 MT/day
- No. of Hospitals and Health Care Facilities(Related to entire State): 31286
  No. of Hospitals and Health Care Facilities(Related to PRS): 28399
- Status of Treatment Facility/ CBMWTF(Related to entire State)
  : Existing – 20, Proposed – 1
  Capacity – 126 MT/day
  Status of Treatment Facility/ CBMWTF(Related to PRS): Existing – 16
  Capacity – 108 MT/day

Hazardous Waste Management:

- Total Hazardous Waste generation: 2.5 to 2.7 MMT as per HW inventory which includes landfill, incineration, recycling and co-processing. (It depends upon the industrial operation of the year)
- No. of Industries generating Hazardous waste: About 19683 as per HW inventory 19-20
- Treatment Capacity of all TSDFs: Total installed capacity about 8626332 MT
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated: 1.3 MMT as per HW inventory 19-20
- Details of on-going or proposed TSDF: 7 nos. proposed TSDF having total installed capacity about 36 lac MT

VII. Plastic Waste Management:

- Total Plastic Waste generation: 408201.08 TPA (April 2019-March 2020)
- Treatment/ Measures adopted for reduction or management of plastic waste:

Disposal of Plastic Waste through	Co-processing	109157.435 MT (from April 2019 to August 2020)
	Recycler	Total no. recycling units: 597 Capacity of recycling plastic waste: 11,13,526.56 MT/Y
	Refuse Derived Fuel	MSW units : 2 Quantity of final product sold is 129,575 MT/Annum containing 7 % of plastic waste i.e. 9071 MT/Annum (April 2019-March 2020)
	Pyrolysis	Total no. of operational units: 2 Cap. to convert plastic waste into oil: 5075 TPA Plastic used as raw material: 600 MT/M

VIII.	Details of Alternate Treatment Technology being adopted by the State/UT:
-Ahmedabad & Vadodara Municipal Corporations have set up dry sewage sludge hygienisation Cobalt – 60 gamma irradiation plant. (Ahmedabad Municipal Corporation - 100 tonnes per day) - Legacy waste treatment at Pirana dumping site, Ahmedabad.	
IX.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment:
Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan. Proposal not received from PRH & RDD/ Concerned for in-situ remediation.	
X.	Details of Nodal Officer appointed by Chief Secretary in the State/UT:
In compliance to the direction of Hon'ble NGT with reference to set up of Monitoring Mechanism, Deputy Environmental Engineer (ShriT.C.Patel) has been deputed vide letter dated 10.06.2020 at Chief Secretary office to look after the Hon'ble NGT matters.	
XI.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
All NGT matters are being reviewed regularly under chairmanship of Hon'ble CS.Total 2 review meetings are conducted so far under the chairmanship of Hon'ble CS to monitor the progress with reference to the action plans submitted w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 673/2018and to resolve various issues/non -compliances. Last meeting was convened on 10/09/2020 under the chairmanship of Hon'ble Chief Secretary Gujarat State. Two review meetings have been convened so far w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 606/2018 which also includes the review of matters related to O.A. No.:-673/2018.	
XII.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;
Details are attached as **Annexure – II**	
XIII.	Ground water regulation:
GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" Final comments /suggestions were sought by GWRDC vide letter dated 02/11/2020 from concerned departments for finalization of the draft bill. Seven meetings of sub-committee have been convened so far for finalization of the draft bill. The final draft bill was approved by the sub-	

committee during the meeting held on 12/11/2020 as per the minutes of meeting. The final draft of the bill has been submitted to the Chairman of the Committee and Special Secretary, (WR), Narmada Water Resource, Water Supply &Kalpsar department, Govt. of Gujarat, for consideration in the main committee meeting.	
XIV.	Good irrigation practices being adopted by the State:
XV.	Rain Water Harvesting:
XVI.	Demarcation of Floodplain and removal of illegal encroachments:
XVII.	Maintaining minimum e-flow of river:
Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date is attached as **Annexure – III.**	
XVIII.	Plantation activities along the rivers:
Details w.r.t point no. XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV**	
XIX.	Development of biodiversity park:
As per the information received from GBB, vide letter dated 24.04.2020, Forest Dept. has established a very rich Botanical Garden at Waghai, Dangs. It also has a chain of Research Stations, Germ Plasms Banks, Provenance Banks, Sample Plots, Preservation Plots spread all over the State. Many working plans have Conservation or Preservation Working Circles for the express purpose of Biodiversity Conservation. The National Working Pan Code 2014 also mandates a Biodiversity Conservation Working Circle. All plans coming up for revision now shall have a Biodiversity Conservation Working Circle. Besides a host of Biodiversity based activities like Cactus Park, Ekta Van, Ekta Nursery, and Nutritional Park etc., have come up at Statue of Unity. Moreover, Shakkarbaug Zoo is an "A" Category zoological park along with many other zoological parks at Rajkot, Ahmedabad, Gandhinagar, Vadodara, Surat, Kevadiya etc. All these are repositories of biodiversity. Therefore, these may be treated as a Biodiversity park is totality. GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 Crore for the development of Biodiversity Park. Team suggested tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.	
XX.	Reuse of Treated Water:
Details are attached as **Annexure – V.**	
XXI.	Model River being adopted by the State & Action Proposed for achieving the

	bathing quality standards:
River Sabarmati has been selected as model river stretch during the 9thRRC meeting held on 27.11.2020.	
XXII.	Status of Preparation of Action Plan by the 13 Coastal States:
Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms. STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.	
XXIII.	Regulation of Mining Activities in the State/UT:
Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.	
XXIV.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring
• Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 . • Number of closure directions to defaulting units under section 31 A of Air Act – 1981: 5703 respectively. • Number of notice of directions to defaulting units under section 33 A of Water Act – 1974: 17263. • Number of closure directions to defaulting units under section 33 A of Water Act – 1974: 11383. • Number of notice of directions under rule 4(2) of the EPAct – 1986 read with Hazardous Waste (Management, Handling &Transboundary) Rules – 2008: 4130 • Number of closure directions under section 5 of the EPAct – 1986 read with Hazardous Waste (Management, Handling &Transboundary) Rules – 2008: 1583 (As per Annual report – 2018-19)	

***Note: Incremental progress made by the State/UT in each activity to be provided.**

RRC meetings:

RRC meetings are regularly being held at GPCB, Gandhinagar to review the progress and the minutes of the meeting having progress status, is regularly submitted to CPCB. Last RRC (9^{th} RRC) meeting was conducted on 27/11/2020. Following are the gist of main points discussed during the meeting:

- Concerned departments / authorities/ organizations were asked to submit proposals with elongated /revised timeline for completion of the projects with the justification
- Concerned departments / authorities/ organizations were asked to furnish details of incremental progress of the projects & activities proposed under the Action Plans of Polluted River Stretches
- All the concerned Municipal Corporations &Nagapalikas were asked to submit the list of STPs not complying with the norms and proposals for up-gradation of the STPs not complying with the norms along with the timeline for completion of the same.
- GWSSB was asked to submit STP wise progress of land issues on monthly basis to RRC and GPCB.
- River Sabarmati has been selected as model river stretch.

STPs:

Sr. No.	**Proposed STP details**	**Status**
1.	Pirana 155 MLD STP	93% construction completed (Revised timeline 31/08/2021)
2.	STP of Shankar Bhuvan 25 MLD	Completed.
3.	STP at Dafnala 25 MLD	Ministry of Defence has granted working permission on defence land on leasehold basis on 31.12.2020. After finalizing the M.O.U with Cantonment Ahmedabad, Work Order will be given. LOI given. (Time line 31/12/2022)
4.	STP at Kotarpur 60 MLD	Tender approved and work order given.02% Physical progress. (Time line 31/12/2022)
5.	STP at Koteshwar 60 MLD	Tender to be invited (Time line 31/12/2022)
		Legal Notices have been issued by GPCB on 02/01/2021 to Nana Chiloda Grampanchayat,

		Bhat Grampanchayat, Koteshwar Gram Panchayat, Pethapur Nagarpalika and Ahmedabad Urban Development Authority for discharging untreated domestic waste water into river Sabarmati and directed as under: 1. To stop discharge/to seal outfall of domestic waste water into river Sabarmati. 2. To provide Sewage Treatment Plant for treatment of domestic waste water. 3. To take immediate interim measures w.r.to Hon'ble NGT matter O. A.No. 673/2018 dated 06/12/2019

CETPs:

Sr. No.	Proposed CETP details	Status
1.	Green Environment Co-Operative So. Ltd., (GECSL) Expn: 16 to 35 MLD	The CETP vide letter dated 29/04/2021 submitted that 90% civil work has been completed and 95% of installation work of 3 FCR is completed. The completion date of the project will be extended from June 2021 to 30/09/2021 because of the current pandemic situations, partial lockdown and ban on use of oxygen for industrial use. Installation of associated equipment and machinery work is in progress. Civil work for associated infrastructure is in progress. (Revised timeline 30/09/2021)
2.	Naroda Enviro Projects Ltd. (NEPL) Expn-: 3 to 14 MLD	Expansion of CETP upto 14 MLD is completed after obtaining EC. Further up-gradation of CETP through Fenton technology, for obtaining GPCB norms at final outlet, is under progress and same may be completed by June – 2021.
3.	Odhav Enviro Projects Ltd. (OEPL) Modification:- Proposed Spray Dryer	Completed the installation of common effluent spray dryer project.
4.	Narol Dyestuff Enviro Society (NDES)	At present no plan for further expansion of CETP due to current situation. However, Up-gradation of

	Expn. up to 0.45 MLD	CETP units is in progress. CETP has ordered online monitoring system for effluent and additional tertiary treatment units, installation of filter press and online DO meter installation work is in progress.
5.	Narol Textile Integrated Enviro Management (NTIEM)Expn:- 100 to 130 MLD	Recently completed some up-gradation in their CETP to meet with the norms. Average inflow of 70-80 MLD against the 100 MLD capacity of CETP in current situation. Existing CETP is meeting with the norms. Presently no plan for Expansion.
6.	Ahmedabad Hand Screen Printing Association (AHSPA)- New CETP(30 MLD)	Under construction, 20% completed. Will be completed by November – 2021. (Timeline November 2021)

Deep Sea Disposal Pipeline for PRS Gujarat

- An unprecedented initiative, deep sea disposal pipeline projects to eliminate Industrial Footprint from River Sabarmati and Bhadar worth Rs. 2147 Crore as stated below have been given approval by State Government vide GR dated 26/11/2019.:
    1. Ahmedabad (Priority I) (300 MLD) (Rs. 1478 Cr.)
    2. Jetpur (Priority I) (80 MLD) (Rs. 669 Cr.)
- For Ahmedabad, 70% contribution of Capex will be from State Government and 30% from industries. For Jetpur, 80% contribution of Capex will be from State Government and 20% from industries. Opex will be entirely borne by the industries.
- State Government has allotted budget of Rs. 500 Cr. for the financial year 2019-2020 for the entire pipeline project.
- Industrial Associations have also deposited their first installment of 10 % of project cost towards capital cost contribution.
- State Government has allotted pipeline projects to Industries & Mines Department and execution of the project will be done by Gujarat Water Infrastructure Ltd (GWIL) as depository work.

- GWIL has floated the tender for Ahmedabad region pipeline on 14/10/2020 which is on hold.
- Originally the project was planned for disposal of effluent in the Gulf of Cambay. As the disposal point falls on the upstream of the proposed Kalpsar Reservoir, an ambitious project of the State - a huge fresh water coastal reservoir for irrigation, now it is required to find an alternative for disposal of effluent. Meetings dated 06/01/2021 and 31/03/2021 were convened under the chairmanship of Hon'ble C.S. to discuss the issues in implementation of deep sea effluent disposal pipeline project for industrial areas of Ahmedabad region. Various alternatives were discussed during the meetings and it was decided that the facts will be brought to the notice of the Government by the Industries Department and a decision by the Government will be taken on way forward.

Annexure-I (A)

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
1	Ahmedabad Pirana 2009	60	60	Operational	Non Compliance	
2	Ahmedabad Old Pirana 2004	106	106	Operational	Non Compliance	SCN-587981
3	Ahmedabad Pirana 2009	180	180	Operational	Non Compliance	
4	Ahmedabad Vasna 2004	126	126	Operational	Non Compliance	
5	Ahmedabad Vasna 2009	35	35	Operational	Compliance	
6	Ahmedabad Vasna 2011	240	235	Operational	Compliance	
7	Ahmedabad Vinzol 2011	70	70	Operational	Compliance	
8	Ahmedabad Vasna 2018	48	48	Operational	Compliance	
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Compliance	
10	Ahmedabad Vinzol 2020	35	30	Operational	Compliance	
11	Ahmedabad Arvind Mill	8	8	Operational	Compliance	
12	Ahmedabad Rasala	1	1	Operational	Not in operation during site visit	
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Site not visited	Only obtained ID, Not applied for CTE/CCA
14	Ahmedabad V S Hospital	1	1	Operational	Compliance	
15	Ahmedabad Nikol	0.5	0.5	Operational	Details not available	
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Compliance	
17	Ahmedabad Lambha	5	2	Operational	Details not available	
18	Surat Singanpore 2003/2014	155	147.58	Operational	Compliance	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
19	Surat Karanj 1999/2015	140	136.59	Operational	Site not visited	
20	Surat Bhatar 1999/2014/2017	162	162	Operational	Site not visited	
21	Surat Anjana 1995/2007/2019	122	121	Operational	Site not visited	
22	Surat Bamroli 2008/2019	100	100	Operational	Non Compliance	SCN-591844
23	Surat Bhesan 1995/2009/2020	200 (100 existing + 100 proposed expansion)	120.52	Operational	Site not visited	
24	Surat Khajod 2011	25	24.20	Operational	Site not visited	
25	Surat Asarama 2011	15	15	Operational	Non Compliance	SCN-591208
26	Surat Dindoli 2012/2019	167	72.50	Operational	Site not visited	
27	Surat Variav-Kosad 2012/2017	134	131	Operational	Compliance	
28	Surat Gavier 2016	53	16	Operational	Non Compliance	SCN-589968
29	Vadodara Tarsali	52	58	Operational	Non Compliance	SCN-591157
30	Vadodara Gajarawadi	66	72	Operational	Non Compliance	SCN-591155
31	Vadodara Kapurai	43	50	Operational	Non Compliance	SCN-591156
32	Vadodara Rajivnagar	78	55	Operational	Compliance	
33	Vadodara Sayaji garden	8.5	7	Operational	Non Compliance	
34	Vadodara Channi	21	21	Operational	Non Compliance	SCN-590935
35	Vadodara Atladara (old)	43	51	Operational	Non Compliance	SCN-28/05/2021
36	Vadodara Atladara (new)	43	43	Operational	Non Compliance	SCN-28/05/2021

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
37	Gandhinagar Jaspur 2007	76	45	Operational	Non Compliance	SCN-589724
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Non Compliance	
39	Gandhinagar Basan 2011-12	2	1.0	Operational	Non Compliance	SCN-590220
40	Rajkot Nr Raiya village 2010	51	45	Operational	Site not visited	
41	Rajkot Raiyadhar 2017	56	35	Operational	Compliance	
42	Rajkot Nr Madhapar 2018	44.5	16	Operational	Non Compliance	
43	Rajkot Nr Kothariya Village 2017	15	9	Operational	Non Compliance	
44	Rajkot Gavaridad 2018	70	35	Operational	Non Compliance	
45	Rajkot Madhapar 2019	80	30	Operational	Non Compliance	SCN-5858200
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Site not visited	
47	Bhavnagar Behind Excel industries	45	40	Operational	Site not visited	
48	Jamnagar Navagam Ghed	70	70	Operational	Site not visited	
49	Gandhidham - Anjar	30.00	22	Operational	Site not visited	
50	Patan	25.00	13	Operational	Site not visited	
51	Nadiad	51.26	20	Operational	Not in operation	
52	Siddhpur	5.62	5	Operational	Oxidation pond	
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond	
54	Sanand	20.50	0	Non - Operational	Site not visited	
55	Himmatnagar	17.51	6	Operational	Site not visited	
56	Petlad	10.37	8	Operational	Non Compliance	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
57	Dholka	13.60	8	Operational	Non Compliance	
58	Savarkundla	13.90	5	Operational	Oxidation pond	
59	Gadhda	6.50	2	Operational	Oxidation pond	
60	Kathlal	3.80	2.59	Operational	Oxidation pond	
61	Mahudha	2.10	1.76	Operational	Oxidation pond	
62	Bayad	4.00	2.06	Operational	Oxidation pond	
63	Patadi	2.80	1.33	Operational	Oxidation pond	
64	Sojitra	2.30	2	Operational	Oxidation pond	
65	Dwarka	7.50	2.28	Operational	Site not visited	Not obtained CTE/CCA
66	Godhra	27.60	4	Operational	Site not visited	
67	Bhuj	23.70	19	Operational	Non Compliance	Not obtained CTE/CCA
68	Bhachau	10	4	Operational	Non compliance	Not obtained CTE & CCA
69	Anand (Lambhvel)	33	9	Operational	Compliance	Not obtained CTE/CCA
70	Anand (TP-8)	13.5	2.5	Operational	Non Compliance	SCN-589391
71	Surendranagar	32.3	17	Operational	Compliance	
72	Valsad-1	20.2	2	Operational	Not in operation during site visit	
73	Morbi	28.8	6	Operational	Non Compliance	
Total		3598.86	2915.91			

New STPs under trail run.

74	Jasdan	8.80	4.0	Under trial run	
75	Tharad	4.80	2.5	Under trial run	
76	Dehgam	7.60	4.0	Under trial run	
77	Dhangadhra	11.60	1.04	Under trial run	
78	Porbandar	19.10	3.0	Under trial run	
79	Bardoli	11.30	0.0	Under trial run	
80	Vyara	6.50	1.50	Under trail run	
Total		69.7	16.04		

CTE: Consent to Establish, CC&A: Consolidated Consents and Authorization.

Annexure-I (B)

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1.	Ahmedabad Vinzol	100	95%	Completed	31/08/2021
2.	Ahmedabad Pirana	155	93%	Completed	31/08/2021
3.	Ahmedabad Maleksaban	30	30%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	02%	Completed	31/12//2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	SuratSinganpore	100	98%	Completed	31/07/2021
7.	SuratBhatar	115	74%	Completed	31/07/2021
8.	SuratBamroli	115	77%	Completed	28/02/2022
9.	SuratAsarma	22.5	54%	Completed	05/04/2022
10.	SuratKhajod	30	36%	Completed	30/11/2021
11.	Vadodara Kapurai	60	78%	85%	31/12/2021
12.	Vadodara Chhani	50	40%	Completed	31/12/2021
13.	Vadodara Bhayli	45	45%	Completed	28/02/2022
14.	Vadodara Sayaji garden	7.5	65%	Completed	28/02/2022
15.	Rajkot Kothariya, on NH bypass	15	25%	Completed	07/09/2021
16.	Bhavnagar Axcel Industries	50	42%	Completed	31/05/2022
17.	JunagadhBilkha Road, Near CBSE School	8.2	70%	Completed	03/09/2021
18.	Rajula	5.70	13%	Completed	31/10/2021
19.	Bagasara	5.90	14%	Completed	31/10/2021
20.	Chalala	2.80	90%	Completed	31/08/2021
21.	Mahuva	16.30	90%	Completed	31/08/2021
22.	Talaja	5.80	80%	Completed	31/08/2021
23.	Una	11.70	96%	Completed	31/08/2021
24.	Bantva	2.60	98%	Completed	31/08/2021
25.	Mansa	5.00	45%	Completed	31/08/2021
26.	Dhanera	4.00	48.00%	Completed	15/11/2021
27.	Bhabhar	3.50	45%	Completed	25/09/2021
28.	Thara	3.60	45%	Completed	15/11/2021
29.	Kadi	12.80	55%	Completed	05/09/2021
30.	Unjha	11.60	81%	Completed	31/08/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
31.	Visnagar-1	12.00	97.00%	Completed	31/07/2021
32.	Visnagar-2	5.30	75%	Completed	31/08/2021
33.	Kheralu	2.90	90%	Completed	10/11/2021
34.	Vijapur	4.10	50%	Completed	10/11/2021
35.	Radhanpur	6.00	15%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	13/06/2022
36.	Idar	7.40	91.00%	Completed	31/08/2021
37.	Khedbrahma	5.80	91.00%	Completed	31/08/2021
38.	Prantij	3.70	91%	Completed	31/08/2021
39.	Talod	3.60	17%	Completed	30/10/2021
40.	Vadali	3.80	5%	Completed	30/10/2021
41.	Jambusar	5.90	62%	Completed	16/10/2021
42.	Amod	3.10	62%	Completed	16/10/2021
43.	Bilimora	8.30	15%	Completed	04/03/2022
44.	Gandevi	2.60	20%	Completed	31/03/2022
45.	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
46.	Dharampur	4.10	62%	Completed	31/08/2021
47.	Borsad	9.80	95%	Completed	31/08/2021
48.	Umreth	6.10	61%	Completed	25/08/2021
49.	Dahod	13.70	98.00%	Completed	31/07/2021
50.	Zalod	4.60	95%	Completed	31/07/2021
51.	Devgadhbariya	3.80	79%	Completed	31/07/2021
52.	Santrampur	2.91	41%	Completed	21/09/2021
53.	Kalol (P)	4.77	55%	Completed	09/09/2021
54.	Shehra	2.80	26%	Completed	30/09/2021
55.	Chhotaudepur	5.00	96%	Completed	31/07/2021
56.	Padra	5.60	82%	Completed	20/08/2021
57.	Viramgam	4.50	85%	Completed	31/08/2021
58.	Bavla	5.80	35%	Completed	12/12/2021
59.	Dhandhuka	7.50	95%	Completed	31/07/2021
60.	Bareja	3.10	85%	Completed	31/07/2021
61.	Chaklasi	4.90	0.00%	Completed	31/03/2022
62.	Kapadwanj	6.20	32%	Completed	10/12/2021
63.	Mehmdabad	5.60	60%	Completed	17/11/2021
64.	Dakor	4.90	32%	Completed	10/12/2021
65.	Kheda	5.20	43%	Completed	17/11/2021
66.	Chotila-1	2.30	22%	Completed	30/09/2021
67.	Chotila-2	1.70	15.00%	Completed	30/09/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
68.	Wadhwan	12.10	0.00%	Completed	31/03/2022
69.	Barwala	2.90	14%	Completed	17/09/2021
70.	Harij	3.00	60%	Completed	31/12/2021
71.	Chanasma	2.50	0.00%	Completed	31/12/2021
72.	Ode	2.50	35%	Completed	09/09/2021
73.	Karjan	5.20	30%	Completed	09/12/2021
74.	Vadnagar	5.94	95.00%	Completed	30/09/2021
75.	Botad	32.00	86.00%	Completed	31/07/2021
76.	Morbi-2	9.30	95%	Completed	31/07/2021
77.	Jetpur	23.50	95%	Completed	31/07/2021
78.	Gondal	16.50	55%	Completed	30/09/2021
79.	Amreli	18.20	77.00%	Completed	31/07/2021
80.	Kalol	23.50	16.00%	Completed	30/06/2022
81.	Palanpur	21.30	3.00%	95%	30/06/2022
82.	Deesa	17.00	70.00%	Completed	30/09/2021
83.	Bharuch	29.32	82.00%	90%	30/09/2021
84.	Vapi-1	14.00	55.00%	Completed	30/09/2021
85.	Anand-3	6.50	95%	Completed	31/08/2021
86.	Porbandar-1	12.80	82.00%	Completed	31/08/2021
87.	Damnagar	2.80	0.00%	Completed	11/02/2022
88.	Lathi	3.80	0.00%	Completed	11/02/2022
89.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1536.64			

New STPs for which work order given.

90.	Bhavnagar Akwada	19.2	7%	Completed	31/12/2022
91.	Anklav	3.60	20%	Completed	04/03/2022
92.	Khambhat-1	6.80	2%	Completed	04/06/2022
93.	Khambhat-2	4.50	2%	Completed	04/06/2022
94.	Thangadh	9.00	0.00%	Completed	07/06/2022
95.	Balasinor	6.50	2%	Completed	22/04/2022
96.	Savli	2.5	5%	Completed	18/04/2022
97.	Dabhoi	8.96	1%	Completed	18/04/2022
98.	Kanjari	3.3	16%	Completed	18/04/2022
99.	Halvad	6.7	0.00%	Completed	17/07/2022
100.	Rajpipla	5.02	5%	Completed	17/07/2022
101.	Pardi	4.60	0.0%	Completed	14/06/2022
102.	Mandvi Surat	3.50	0.0%	Completed	15/06/2022
103.	Ankleshwar	14.0	0.0%	Completed	15/09/2022
104.	Umargam	6.48	0.0%	Completed	14/09/2022
105.	Karamsad	7.0	0.0%	Completed	14/09/2022
106.	Boriavi	3.30	2%	Completed	14/09/2022
107.	Lunavada	5.60	0.0%	Completed	16/09/2022

108.	Palitana	10.81	0.0%	Completed	31/03/2022
Total		131.37			

Total STPs under construction: 1536.64+131.37=1668.01 MLD

Annexure-I (C)

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1.	Ahmedabad Dafnala	25	LOI Given	31/12/2022
2.	Vadodara Tarsali	100	Revised DPR under scrutiny	31/12/2022
3.	Vadodara Atladara	83	Tender to be re- invited	31/12/2022
4.	Vadodara Gajarawadi	93	Revised DPR under scrutiny	31/12/2022
5.	GandhinagarSargasan	50	LOI Given	31/12/2022
6.	Jamnagar Nr Rangmati River	50	DPR Stage	31/12/2022
7.	Junagadh Kalva	15.50	Work order given	31/12/2022
8.	Junagadh Zanzarda	11.00	Work order given	31/12/2022
9.	Junagadh near Lol river	29.50	Work order given	31/12/2022
10.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
11.	Bhanvad	3.00	Tender under approval	31/03/2022
12.	Visavadar	3.40	Tender recently approved	31/03/2022
13.	Lunawada	5.60	Tender under approval	31/03/2022
14.	Okha	10.10	Tender under approval	31/03/2022
15.	Beyt (near Okha)	1.20	Tender under approval	31/03/2022
16.	Khambhalia	5.50	Tender under approval	31/03/2022
17.	Salaya, Jamnagar	6.20	Tender under approval	31/03/2022
18.	Jamjodhpur	3.60	Tender recently approved	31/03/2022
19.	Wankaner	5.80	Tender recently approved	31/03/2022
20.	Chhaya	13.10	Tender under approval	31/03/2022
21.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
22.	Veraval- Patan	33.90	Tender to be invited	31/03/2022
23.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
24.	Babra	4.00	Under Tender	31/12/2022

			evaluation	
25.	Kodinar	5.60	Under Tender evaluation	31/12/2022
26.	Sutrapada	4.00	Tender tobe invited	31/12/2022
27.	Talala	3.80	Under Tender evaluation	31/12/2022
28.	Chorvad	3.70	Tender recently approved	31/12/2022
29.	Halol	11.60	Tender to be invited	31/12/2022
30.	Thasra	2.30	Tender to be invited	31/12/2022
31.	Mandvi-2 (Salaya)	3.20	Tender to be invited	31/12/2022
32.	Mandvi-1 (JT Grounds)	5.30	Tender to be invited	31/12/2022
33.	Jamraval	2.60	Tender to be invited	31/12/2022
34.	Dhrol	3.60	Under tender evaluation.	31/12/2022
35.	Kalavad	4.50	Tender under approval	31/12/2022
36.	Maliya	2.50	Tender to be invited	31/12/2022
37.	Kutiyana	2.90	Tender under approval	31/12/2022
38.	Ranavav-1 (Adityana)	3.00	Tender under approval	31/12/2022
39.	Ranavav-2	4.50	Tender under approval	31/12/2022
40.	Dhoraji	12.90	Tender recently approved	31/12/2022
41.	Bhayavadar	3.10	Tender to be invited	31/12/2022
42.	Manavadar	4.90	Tender recently approved	31/12/2022
43.	Pethapur	3.80	DPR stage	30/06/2022
44.	Sikka	2.90	Tender recently approved	31/12/2022
45.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
46.	Mahesana-1	23.18	Under Tender evaluation	31/03/2022
47.	Mahesana-2	18.46	Under Tender evaluation	31/03/2022
48.	Jafrabad	5.4	Tender online	31/12/2022
49.	Gariyadhar	7.1	Under Tender evaluation	31/12/2022
50.	Shihor	8.9	Under Tender evaluation	31/12/2022
51.	Mangrol	9.6	DPR/DTP stage	31/12/2022
52.	Vanthli	2.2	DPR/DTP stage	31/12/2022
53.	Modasa	12.0	Under Tender evaluation	31/12/2022
54.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
55.	Songadh	4.5	Tender recently approved	31/12/2022
56.	Limdi	7.4	DPR/DTP stage	31/12/2022
57.	Bhachau	1.0	Tender under approval	31/12/2022

58.	Rapar	5.2	Under tender evaluation.	31/12/2022
59.	Upleta	8.9	DPR/DTP stage	31/12/2022
60.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		856.57		

Newly proposed STPs.

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
61.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
62.	Gandhinagar Bhat	30	DPR Stage	31/12/2022
63.	Rajkot Raiyadhar	8.0	Tender online	31/12/2022
Total		98		

Total of Proposed STPs= 856.57+98=954.57 MLD

Annexure-II

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river

Annexure-II (A)

Progress/Status Report of the River/PRS water quality monitoring for the Month May - 2021:

Sr. No	River Sabarmati at	PH	COD (mg/I)	BOD (mg/I)	DO (mg/I)	TC (MPN)	FC (MPN)
1.	**Kheroj**	Sample was not collected as river is dry					
2.	**Mahudi**	Sample was not collected due to stagnant water					
3.	**Chiloda**	Sample was not collected due to stagnant water					
4.	**Hansol Bridge**	8.25	13	1.53	7.11	58	06
5.	**Railway Bridge**	8.34	14	1.66	7.09	280	70
6.	**V N Bridge**	8.26	613	154	BDL	>1600	>1600
7.	**Miroli**(13423)	7.75	62	13	4.78	>1600	>1600
8.	**Vautha**	8.18	156	41	BDL	920	540

Annexure-II (B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River for May - 2021:

Sr No	Bore wells	pH	BOD(mg/I)	COD(mg/I)	TDS(mg/I)
1.	**Gandhi Ashram**, Ahmedabad	7.91	0.82	08	288
2.	**Jain Temple**, Ahmedabad (Half yearly)	Half year project			
3.	**P T College**, Ahmedabad	8.15	0.84	08	276
4.	**Pirana Pumping Station**, Ahmedabad (Half Yearly)	Half year project			
5.	**GyaspurNr.MSW Site**, Ahmedabad	8.19	0.92	13	2236
6.	**Ajmeri Farm**, Ahmedabad	8.21	0.83	07	1868
7.	**Excel Industries**, Ahmedabad	8.16	0.76	13	2190
8.	**UPL Djl**, Ahmedabad	8.15	0.83	12	2580
9.	**Miroli Pumping Station**, Ahmedabad(**10837)**	8.14	0.88	11	1096
10.	**NaklangMahadev**, Ahmedabad(**10823**)	Sample is not collected due to three monthly(3M) project			
11.	**Paldi-Kankaj**, Ahmedabad**(10824)**	Sample is not collected due to three monthly(3M) project			

12.	**GIDC Naroda**, Ahmedabad**(10817)**	7.94	0.89	11	944
13.	**GIDC-Vatva**, Ahmedabad**(10820)**	7.89	0.82	12	1382
14.	**GIDC-GVMM**, Ahmedabad**(10821)**	8.12	0.84	12	1030
15.	**GIDC-Odhav**, Ahmedabad**(10804)**	8.00	0.8	11	1174
16.	**Narol,** Ahmedabad (closed)	-	-	-	-

Annexure-II (C)

Drains Details with Flow:

Total No of drains:-11
Major Drains:

- Outfall of old city area, danilimda (D/S of Vasna Barrage)
- AMC storm water drain (Danilimda)-30 MLD
- Pumping Station 76 MLD (Old Vasna area)
- Pumping Station 182 MLD (Old Pirana area)
- Outfall of new city area, Vasna ((D/S of Vasna Barrage)
- Domestic waste water discharged at WaghaKotar, Sukhadeshwar Pumping station, Pethapur Nagarpalika, flow-55.3 MLD
- Domestic waste water discharged through natural drain nala, Village – Koteshwar, flow- 0.73 MLD
- Domestic waste water discharged through underground pipeline at Bank of River Sabarmati near Indira Bridge, Vill – Bhat, flow- 0.06 MLD
- Domestic waste water discharged through underground pipeline at Bank of River Sabarmati near Indira Bridge, Village – Bhat, flow-2.16 MLD
- Domestic waste water discharged from outfall of AUDA line, Village Nana Chiloda, flow-0.43 MLD
- Domestic waste water discharged from outfall of Village Nana Chiloda, Flow-6.48 MLD

Annexure-II (D)

STP & CETP results

STP Results (May - 2021)

Sr No	Parameters	pH	BOD (mg/I)	TSS (mg/I)	FCO MPN/100 ml	Residual chlorine (mg/l)
	Discharging Norms	**6.5 to 9.0**	**20**	**<50**	**<1000 MPN/100 ml**	**0.5**
1	AMC PIRANA STP 60 MLD (ASP TYPE)	7.06	103	42	>1600	-
2	AMC PIRANA STP 106 MLD (UASB TYPE)	7.53	33	14	>1600	-
3	AMC PIRANA STP 180 MLD (ASP TYPE)	7.44	35	08	>1600	BDL
4	AMC VASNA OLD STP 126 MLD (UASB TYPE)	7.88	28	10	>1600	-
5	AMC VASNA STP 35 MLD (ASP TYPE)	7.96	37	08	>1600	-
6	AMC VASNA STP 240 MLD (ASP TYPE)	8.01	24	22	>1600	BDL
7	AMC VASNA STP 48 MLD (SBR TYPE)	8.10	07	06	94	BDL
8	AMC STP 60 MLD, VADAJ (SBR TYPE)	7.69	06	06	14	BDL
9	AMC STP 25 MLD, (SBR TYPE)	7.59	<5	06	<1.8	BDL

CETP Results (May -2021)

Sr. No	Parameters	pH	COD(mg/I)	BOD(mg/I)
	Discharging norms of CETPs	**6.5 – 8.5**	**250**	**30**
1.	CETP GREEN VATVA(14438)	7.84	354	35
2.	CETP NEPL(12718)	7.65	457	41
3.	CETP OEPL(12890)	7.89	257	31
4.	CETP OGEPL(12891)	7.76	333	41
5.	CETP GVMM(11536)	7.64	167	21
6.	NAROL DYE STUFF CETP(12720)	7.63	416	49
7.	Narol Textile Infrastructure &Enviro Management (Narol Textile CETP)(342440	8.22	93	13

Annexure-III

Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date

Sr.No	River name	Details/Status
1	Sabarmati	1. Environmental flow: • 50 to 100 Cusecs of water is released from Dharoi Dam in to Sabarmati river as per the requirement in the Down Stream of Dharoi Dam, Sabarmati is not a perennial river • Proposed plan to achieve mine-flow: Sufficient water is released in D/S of Dharoi dam in Sabarmati River hence question does not arise. 2. Details of Good Irrigation Practices: • General government practice of irrigation is maintained in command area of Vasana Barrage. • Farmers are made aware to use water efficiently. • Canal System of Fatehwadi canal system is 80% lined so as to minimize seepage losses. As such no water logging issues noticed so far in the command area of Vasana Barrage. 3. Detail on Flood Plain Management Zone: • As far as Vasana Barrage is concerned 7 villages of Ahmadabad District, 8 villages of Kheda and 1 Village of Anand are identified which and may be affected dueto floods in D/s of Vasana Barrage, for more than 2,00,000 lakh cusecs discharge from dam. In such condition people of these villages are warned throughearly warning arrangement in consultation with revenue department.

Annexure-IV

Details w.r.t point no.XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/ River	Existing plantation / vegetation cover details	Proposed plan	Time limit	Remarks
Sabarmati, Khari	25,000 Plants were planted along the Sabarmati and Meshwo river in the areas available under the Vanmahotsav and other Schemes of the forest Department with the co-operation of local People.	1.54 Lacs plantation to be done in 2020-2021	2020-2021	As per AAP (Annexure A) for both side plantation on PRS during 2020-21.

Annexure – A

List of Polluted River Stretches of Gujarat (River Both side Plantation AAP in 2020-21)		
Sr. No.	River	Plants (In lakhs)
1.	Sabarmati	1.54
2.	Bhadar	0.20
3.	Amlakhadi	0.10
4.	Bhogavo	0.60
5.	Khari	0.02
6.	Vishwamitri	0.15
7.	Dhadhar	1.10
8.	Triveni	0.10
9.	Amravati	0.10
10.	Damanganga	0.25
11.	Kolak	0.25
12.	Mahi	0.20
13.	Shedhi	0.15
14.	Tapi	0.35
15.	Anas	0.05
16.	Baleshwar Khadi	0.02
17.	Kim	0.02
18.	Meshwo	0.40
19.	Mindhola	0.05
20.	Narmada	0.45
Total		6.10

Plantation of **6.91** lakh trees have been carried out on both the sides of polluted river stretches against the action plan for planting 6.10 lakh trees

Annexure-V

Details received from concerned department regarding reuse of treated wastewater

Treated waste water utilization policy:

- Gujarat Government has framed Policy for Reuse of "Treated Waste Water (TWW)" by maximising the collection and treatment of sewage generated and reusing the treated wastewater on a sustainable basis. In this regards, revised action plan has been submitted by Gujarat Water Supply and Sewerage Board (GWSSB) to Chairman, CPCB where one of the objectives of the revised action plan is to reuse 70% of treated wastewater by 2025 and 100% of treated wastewater by 2030.
- As per the details received from Gujarat Water Supply & Sewerage Board, Latest status of Treated waste water reuse in the State is as under:

	Status		
	TWW reuse started (MLD)	TWW reuse projects in tender/execution stage (MLD)	TWW reuse under planning (MLD)
Municipal Corporations	623.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**646.68**	**250**	**790.4**

Annexure-VI

Non-Complying / Partially non-complying CETPs
April- 2021

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	508
		BOD	30	42
2.	M/s. Odhav Enviro Project Ltd., Odhav, Ahmedabad	COD	250	407
		BOD	30	39
3.	M/s. Gujarat Vepari Maha Mandal Sahkari Udhyogik Vasahat Ltd, Ahmedabad	NH3-N	50	80.5
4.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	BOD	30	31
		NH3-N	50	130.2
5.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	420
		BOD	30	35
		SS	100	118
6.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	COD	250	1697
		BOD	30	321
		SS	100	326
7.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	891
		SS	100	156
		NH3-N	50	63.14
8.	M/s. Vinayak Jal SudhikaranSahakariMandali Ltd, Bavla, Ahmedabad	SS	100	164
9.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	138
10.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar.	COD	500	942
		NH_3-N	50	137.2
11.	M/s. Panoli Enviro Technology Ltd., GIDC-Panoli, Bharuch	SS	150	280
12.	M/s. Gujarat Eco Textile Park Pvt. Ltd, Palsana, Surat	SS	<60	98
13.	Vapi Green Enviro Ltd (VGEL, Vapi) (Old Name-Vapi Waste & Effluent Management Co. Ltd) (GPCB ID: 24764)	NH_3-N	50	80.5

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
14.	M/s. Sarigam Clean Initiative (Old Name-Gujarat Industrial Development Corporation), Sarigam.	SS	100	110
15.	M/s Jetpur Dying & Printing Association, Jetpur, Rajkot	COD	250	664
		BOD	100	212
16.	M/s. Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	151
		BOD	30	49
17.	M/s. Jay Khodiyar Enviro-Technologies Pvt. Ltd., Rajkot	PH	6.5 to 8.5	8.72
18.	M/s CETP of Dahej Industrial Estate	COD	250	544
		NH3-N	50	112

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Gujarat
Monthly Progress Report of PRS Vishwamitri for May-2021.

Overall status of the State:

I. Total Population: Urban Population – 2,57,45,083, Rural Population – 3,46,94,609 (Census - 2011)

II. Estimated Sewage Generation (MLD):4003 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): 73 nos, 3485 MLD
  [7 under construction STPs are now complete and are now under trial run i.e additional 183.56 MLD]
- Capacity Utilization of existing STPs: 2739 MLD
  [additional utilization capacity as on May 2021 – 192.95 MLD from existing + newly commissioned STPs]
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
  [334.44 MLD - Gap considering 3668.56 MLD treatment capacity i.e 3485 MLD + 183.56 MLD]
- No. of Operational STPs: 73 [80 as on May 2021]
- No. of Complying STPs: 15
- No. of Non-complying STPs: 27 (including STPs not obtained CTE & CCA)
- ULBs having Oxidation ponds: 9
- Site of the STPs not visited: 17
- STPs not in operation during the site visit:3
- Details of STPs not available: 2
- STPs just commissioned / under trial run: 7
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 16, ➢ Non complying: 18 (Please refer Annexure VI) *(as per CM dash board data for **April-2021**, available on Board's website)

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Gujarat	44143	Not available	Out of 12815 water polluting industries 12700 industries having ETP. 12551 ETPs are complying with norms.	Existing CETPs : 34 Propose/Under construction/under expansion: 19

V. Solid Waste Management:

Particulars	Data
Total number of Urban Local Bodies and their population	162
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF	• There are total No. 755 of Plants for Vermi / Aerobic/ anaerobic Composting of installed processing capacity 7477 TPD. • There are 232 plants Material Recovery Facilities (MRF) with processing capacity of 5441.93 TPD installed capacity. • There are 5 plants of RDF with processing of 1390.25 TPD. • Biogas 29 plants with capacity of 1086 TPD.
Action plan to bridge gap between installed capacity and current utilization of processing facilities (if gap > 20%)	Gap is less than 20% hence not applicable.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	There are 2 Processing plants C & D Waste with processing capacity of 1300 TPD.
Total no. of wards: no. of wards having door to door collection service: no. of wards practicing segregation at source falling into PRS:	1418 1418 Information not available
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Information not available
No. and area (in acres) of uncontrolled garbage dumpsites and sanitary landfills.	Information not available
No. and area (in acres) of legacy waste within 1km. buffer on both side of the PRS	Information not available
No. of drains falling into PRS and no. of drains having floating racks/screens installed to prevent solid waste from falling into PRS	Not provided, however in-situ remediation at Ankleshwar and Kheda municipalities are under implementation. It will be commenced in all 7 municipalities related to PRS within one month after positive results of technology.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Details are being prepared.					

VI. Bio-medical Waste Management:

- Total Bio-medical generation(Related to entire State): 36.42 MT/day

  Total Bio-medical generation(Related to PRS): 27.54 MT/day

- No. of Hospitals and Health Care Facilities(Related to entire State): 31286
  No. of Hospitals and Health Care Facilities(Related to PRS): 28399
- Status of Treatment Facility/ CBMWTF(Related to entire State)
  : Existing – 20, Proposed – 1
  Capacity – 126 MT/day
  Status of Treatment Facility/ CBMWTF(Related to PRS): Existing – 16
  Capacity – 108 MT/day

VII. Hazardous Waste Management:

- Total Hazardous Waste generation: 2.5 to 2.7 MMT as per HW inventory which includes landfill, incineration, recycling and co-processing. (It depends upon the industrial operation of the year)
- No. of Industries generating Hazardous waste: About 19683 as per HW inventory 19-20
- Treatment Capacity of all TSDFs: Total installed capacity about 8626332 MT
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated: 1.3 MMT as per HW inventory 19-20
- Details of on-going or proposed TSDF: 7 nos. proposed TSDF having total installed capacity about 36 lac MT

VIII. Plastic Waste Management:

- Total Plastic Waste generation: 408201.08 TPA (April 2019-March 2020)
- Treatment/ Measures adopted for reduction or management of plastic waste:

Disposal of Plastic Waste through	Co-processing	109157.435 MT (from April 2019 to August 2020)
	Recycler	Total no. recycling units: 597 Capacity of recycling plastic waste: 11,13,526.56 MT/Y
	Refuse Derived Fuel	MSW units : 2 Quantity of final product sold is 129,575 MT/Annum containing 7 % of plastic waste i.e. 9071 MT/Annum (April 2019-March 2020)
	Pyrolysis	Total no. of operational units: 2 Cap. to convert plastic waste into oil: 5075 TPA Plastic used as raw material: 600 MT/M

IX.	Details of Alternate Treatment Technology being adopted by the State/UT:
-Ahmedabad & Vadodara Municipal Corporations have set up dry sewage sludge	

hygienisation Cobalt – 60 gamma irradiation plant. (Ahmedabad Municipal Corporation - 100 tonnes per day) - Legacy waste treatment at Pirana dumping site, Ahmedabad.	
X.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment:
Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan. Proposal not received from PRH & RDD/ Concerned for in-situ remediation.	
XI.	Details of Nodal Officer appointed by Chief Secretary in the State/UT:
In compliance to the direction of Hon'ble NGT with reference to set up of Monitoring Mechanism, Deputy Environmental Engineer (ShriT.C.Patel) has been deputed vide letter dated 10.06.2020 at Chief Secretary office to look after the Hon'ble NGT matters.	
XII.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
All NGT matters are being reviewed regularly under chairmanship of Hon'ble CS.Total 2 review meetings are conducted so far under the chairmanship of Hon'ble CS to monitor the progress with reference to the action plans submitted w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 673/2018and to resolve various issues/non -compliances. Last meeting was convened on 10/09/2020 under the chairmanship of Hon'ble Chief Secretary Gujarat State. Two review meetings have been convened so far w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 606/2018 which also includes the review of matters related to O.A. No.:-673/2018.	
XIII.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;
Details are attached as **Annexure – II**	
XIV.	Ground water regulation:
GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" Final comments /suggestions were sought by GWRDC vide letter dated 02/11/2020 from concerned departments for finalization of the draft bill. Seven meetings of sub-committee have been convened so far for finalization of the draft bill. The final draft bill was approved by the sub-committee during the meeting held on 12/11/2020 as per the minutes of meeting. The final draft of the bill has been submitted to the Chairman of the Committee and Special Secretary,	

(WR), Narmada Water Resource, Water Supply &Kalpsar department, Govt. of Gujarat, for consideration in the main committee meeting.	
XV.	Good irrigation practices being adopted by the State:
XVI.	Rain Water Harvesting:
XVII.	Demarcation of Floodplain and removal of illegal encroachments:
XVIII.	Maintaining minimum e-flow of river:
Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date is attached as **Annexure – III.**	
XIX.	Plantation activities along the rivers:
Details w.r.t point no. XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV**	
XX.	Development of biodiversity park:
As per the information received from GBB, vide letter dated 24.04.2020, Forest Dept. has established a very rich Botanical Garden at Waghai, Dangs. It also has a chain of Research Stations, Germ Plasms Banks, Provenance Banks, Sample Plots, Preservation Plots spread all over the State. Many working plans have Conservation or Preservation Working Circles for the express purpose of Biodiversity Conservation. The National Working Pan Code 2014 also mandates a Biodiversity Conservation Working Circle. All plans coming up for revision now shall have a Biodiversity Conservation Working Circle. Besides a host of Biodiversity based activities like Cactus Park, Ekta Van, Ekta Nursery, and Nutritional Park etc., have come up at Statue of Unity. Moreover, Shakkarbaug Zoo is an "A" Category zoological park along with many other zoological parks at Rajkot, Ahmedabad, Gandhinagar, Vadodara, Surat, Kevadiya etc. All these are repositories of biodiversity. Therefore, these may be treated as a Biodiversity park is totality. GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 Crore for the development of Biodiversity Park. Team suggested tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.	
XXI.	Reuse of Treated Water:
Details are attached as **Annexure – V**	
XXII.	Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:
River Sabarmati has been selected as model river stretch during the 9thRRC meeting held on	

27.11.2020.	
XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:

Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms.

STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.

XXIV.	Regulation of Mining Activities in the State/UT:

Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.

XXV.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring

- Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 .
- Number of closure directions to defaulting units under section 31 A of Air Act – 1981: 5703 respectively.
- Number of notice of directions to defaulting units under section 33 A of Water Act – 1974: 17263.
- Number of closure directions to defaulting units under section 33 A of Water Act – 1974: 11383.
- Number of notice of directions under rule 4(2) of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 4130
- Number of closure directions under section 5 of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 1583

(As per Annual report – 2018-19)

***Note: Incremental progress made by the State/UT in each activity to be provided.**

RRC meetings:

RRC meetings are regularly being held at GPCB, Gandhinagar to review the progress and the minutes of the meeting having progress status, is regularly submitted to CPCB. Last RRC (9th RRC) meeting was conducted on 27/11/2020. Following are the gist of main points discussed during the meeting:

- Concerned departments / authorities/ organizations were asked to submit proposals with elongated /revised timeline for completion of the projects with the justification
- Concerned departments / authorities/ organizations were asked to furnish details of incremental progress of the projects & activities proposed under the Action Plans of Polluted River Stretches
- All the concerned Municipal Corporations & Nagapalikas were asked to submit the list of STPs not complying with the norms and proposals for up-gradation of the STPs not complying with the norms along with the timeline for completion of the same.
- GWSSB was asked to submit STP wise progress of land issues on monthly basis to RRC and GPCB.
- River Sabarmati has been selected as model river stretch.

STPs:

Sr. No.	**Proposed STP details**	**Status**
1.	Kapurai (new) (60 MLD) (STP + Network)	78% work of STP is completed. (Revised timeline 31/12/2021)
2.	Sayaji garden (7.5 MLD)	65% work is completed (Revised timeline 28/02/2022)
3.	Channi (new) (50 MLD) (STP + Network)	40% work of STP is completed (Revised timeline 31/12/2021)
4.	Atladara (new) (83 MLD)*	Tender to be re- invited. (Revised timeline 31/12/2022)
5.	Tarsali/GIDC (new) (100 MLD) (STP + Network)*	Revised DPR under scrutiny. (Revised timeline 31/12/2022)
* (Representative of VMC in 8th RRC meeting informed that now by considering future quest up to 2035, new DPR was prepared for the 83 MLD capacity instead of 24 MLD capacity for Atladra , New STP and , and capacity of Tarsali STP is enhanced from 20 MLD to 100 MLD)		

CETPs: There is no industrial effluent discharge into river Vishwamitri.

Annexure-I (A)

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
1	Ahmedabad Pirana 2009	60	60	Operational	Non Compliance	
2	Ahmedabad Old Pirana 2004	106	106	Operational	Non Compliance	SCN-587981
3	Ahmedabad Pirana 2009	180	180	Operational	Non Compliance	
4	Ahmedabad Vasna 2004	126	126	Operational	Non Compliance	
5	Ahmedabad Vasna 2009	35	35	Operational	Compliance	
6	Ahmedabad Vasna 2011	240	235	Operational	Compliance	
7	Ahmedabad Vinzol 2011	70	70	Operational	Compliance	
8	Ahmedabad Vasna 2018	48	48	Operational	Compliance	
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Compliance	
10	Ahmedabad Vinzol 2020	35	30	Operational	Compliance	
11	Ahmedabad Arvind Mill	8	8	Operational	Compliance	
12	Ahmedabad Rasala	1	1	Operational	Not in operation during site visit	
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Site not visited	Only obtained ID, Not applied for CTE/CCA
14	Ahmedabad V S Hospital	1	1	Operational	Compliance	
15	Ahmedabad Nikol	0.5	0.5	Operational	Details not available	
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Compliance	
17	Ahmedabad Lambha	5	2	Operational	Details not available	
18	Surat Singanpore 2003/2014	155	147.58	Operational	Compliance	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
19	Surat Karanj 1999/2015	140	136.59	Operational	Site not visited	
20	Surat Bhatar 1999/2014/2017	162	162	Operational	Site not visited	
21	Surat Anjana 1995/2007/2019	122	121	Operational	Site not visited	
22	Surat Bamroli 2008/2019	100	100	Operational	Non Compliance	SCN-591844
23	Surat Bhesan 1995/2009/2020	200 (100 existing + 100 proposed expansion)	120.52	Operational	Site not visited	
24	Surat Khajod 2011	25	24.20	Operational	Site not visited	
25	Surat Asarama 2011	15	15	Operational	Non Compliance	SCN-591208
26	Surat Dindoli 2012/2019	167	72.50	Operational	Site not visited	
27	Surat Variav-Kosad 2012/2017	134	131	Operational	Compliance	
28	Surat Gavier 2016	53	16	Operational	Non Compliance	SCN-589968
29	Vadodara Tarsali	52	58	Operational	Non Compliance	SCN-591157
30	Vadodara Gajarawadi	66	72	Operational	Non Compliance	SCN-591155
31	Vadodara Kapurai	43	50	Operational	Non Compliance	SCN-591156
32	Vadodara Rajivnagar	78	55	Operational	Compliance	
33	Vadodara Sayaji garden	8.5	7	Operational	Non Compliance	
34	Vadodara Channi	21	21	Operational	Non Compliance	SCN-590935
35	Vadodara Atladara (old)	43	51	Operational	Non Compliance	SCN-28/05/2021
36	Vadodara Atladara (new)	43	43	Operational	Non Compliance	SCN-28/05/2021

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
37	Gandhinagar Jaspur 2007	76	45	Operational	Non Compliance	SCN-589724
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Non Compliance	
39	Gandhinagar Basan 2011-12	2	1.0	Operational	Non Compliance	SCN-590220
40	Rajkot Nr Raiya village 2010	51	45	Operational	Site not visited	
41	Rajkot Raiyadhar 2017	56	35	Operational	Compliance	
42	Rajkot Nr Madhapar 2018	44.5	16	Operational	Non Compliance	
43	Rajkot Nr Kothariya Village 2017	15	9	Operational	Non Compliance	
44	Rajkot Gavaridad 2018	70	35	Operational	Non Compliance	
45	Rajkot Madhapar 2019	80	30	Operational	Non Compliance	SCN-5858200
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Site not visited	
47	Bhavnagar Behind Excel industries	45	40	Operational	Site not visited	
48	Jamnagar Navagam Ghed	70	70	Operational	Site not visited	
49	Gandhidham - Anjar	30.00	22	Operational	Site not visited	
50	Patan	25.00	13	Operational	Site not visited	
51	Nadiad	51.26	20	Operational	Not in operation	
52	Siddhpur	5.62	5	Operational	Oxidation pond	
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond	
54	Sanand	20.50	0	Non - Operational	Site not visited	
55	Himmatnagar	17.51	6	Operational	Site not visited	
56	Petlad	10.37	8	Operational	Non Compliance	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
57	Dholka	13.60	8	Operational	Non Compliance	
58	Savarkundla	13.90	5	Operational	Oxidation pond	
59	Gadhda	6.50	2	Operational	Oxidation pond	
60	Kathlal	3.80	2.59	Operational	Oxidation pond	
61	Mahudha	2.10	1.76	Operational	Oxidation pond	
62	Bayad	4.00	2.06	Operational	Oxidation pond	
63	Patadi	2.80	1.33	Operational	Oxidation pond	
64	Sojitra	2.30	2	Operational	Oxidation pond	
65	Dwarka	7.50	2.28	Operational	Site not visited	Not obtained CTE/CCA
66	Godhra	27.60	4	Operational	Site not visited	
67	Bhuj	23.70	19	Operational	Non Compliance	Not obtained CTE/CCA
68	Bhachau	10	4	Operational	Non compliance	Not obtained CTE & CCA
69	Anand (Lambhvel)	33	9	Operational	Compliance	Not obtained CTE/CCA
70	Anand (TP-8)	13.5	2.5	Operational	Non Compliance	SCN-589391
71	Surendranagar	32.3	17	Operational	Compliance	
72	Valsad-1	20.2	2	Operational	Not in operation during site visit	
73	Morbi	28.8	6	Operational	Non Compliance	
Total		3598.86	2915.91			

New STPs under trail run.

74	Jasdan	8.80	4.0	Under trial run	
75	Tharad	4.80	2.5	Under trial run	
76	Dehgam	7.60	4.0	Under trial run	
77	Dhangadhra	11.60	1.04	Under trial run	
78	Porbandar	19.10	3.0	Under trial run	
79	Bardoli	11.30	0.0	Under trial run	
80	Vyara	6.50	1.50	Under trail run	
Total		69.7	16.04		

CTE: Consent to Establish, CC&A: Consolidated Consents and Authorization.

Annexure-I (B)

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1.	Ahmedabad Vinzol	100	95%	Completed	31/08/2021
2.	Ahmedabad Pirana	155	93%	Completed	31/08/2021
3.	Ahmedabad Maleksaban	30	30%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	02%	Completed	31/12//2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	SuratSinganpore	100	98%	Completed	31/07/2021
7.	SuratBhatar	115	74%	Completed	31/07/2021
8.	SuratBamroli	115	77%	Completed	28/02/2022
9.	SuratAsarma	22.5	54%	Completed	05/04/2022
10.	SuratKhajod	30	36%	Completed	30/11/2021
11.	Vadodara Kapurai	60	78%	85%	31/12/2021
12.	Vadodara Chhani	50	40%	Completed	31/12/2021
13.	Vadodara Bhayli	45	45%	Completed	28/02/2022
14.	Vadodara Sayaji garden	7.5	65%	Completed	28/02/2022
15.	Rajkot Kothariya, on NH bypass	15	25%	Completed	07/09/2021
16.	Bhavnagar Axcel Industries	50	42%	Completed	31/05/2022
17.	JunagadhBilkha Road, Near CBSE School	8.2	70%	Completed	03/09/2021
18.	Rajula	5.70	13%	Completed	31/10/2021
19.	Bagasara	5.90	14%	Completed	31/10/2021
20.	Chalala	2.80	90%	Completed	31/08/2021
21.	Mahuva	16.30	90%	Completed	31/08/2021
22.	Talaja	5.80	80%	Completed	31/08/2021
23.	Una	11.70	96%	Completed	31/08/2021
24.	Bantva	2.60	98%	Completed	31/08/2021
25.	Mansa	5.00	45%	Completed	31/08/2021
26.	Dhanera	4.00	48.00%	Completed	15/11/2021
27.	Bhabhar	3.50	45%	Completed	25/09/2021
28.	Thara	3.60	45%	Completed	15/11/2021
29.	Kadi	12.80	55%	Completed	05/09/2021
30.	Unjha	11.60	81%	Completed	31/08/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
31.	Visnagar-1	12.00	97.00%	Completed	31/07/2021
32.	Visnagar-2	5.30	75%	Completed	31/08/2021
33.	Kheralu	2.90	90%	Completed	10/11/2021
34.	Vijapur	4.10	50%	Completed	10/11/2021
35.	Radhanpur	6.00	15%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	13/06/2022
36.	Idar	7.40	91.00%	Completed	31/08/2021
37.	Khedbrahma	5.80	91.00%	Completed	31/08/2021
38.	Prantij	3.70	91%	Completed	31/08/2021
39.	Talod	3.60	17%	Completed	30/10/2021
40.	Vadali	3.80	5%	Completed	30/10/2021
41.	Jambusar	5.90	62%	Completed	16/10/2021
42.	Amod	3.10	62%	Completed	16/10/2021
43.	Bilimora	8.30	15%	Completed	04/03/2022
44.	Gandevi	2.60	20%	Completed	31/03/2022
45.	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
46.	Dharampur	4.10	62%	Completed	31/08/2021
47.	Borsad	9.80	95%	Completed	31/08/2021
48.	Umreth	6.10	61%	Completed	25/08/2021
49.	Dahod	13.70	98.00%	Completed	31/07/2021
50.	Zalod	4.60	95%	Completed	31/07/2021
51.	Devgadhbariya	3.80	79%	Completed	31/07/2021
52.	Santrampur	2.91	41%	Completed	21/09/2021
53.	Kalol (P)	4.77	55%	Completed	09/09/2021
54.	Shehra	2.80	26%	Completed	30/09/2021
55.	Chhotaudepur	5.00	96%	Completed	31/07/2021
56.	Padra	5.60	82%	Completed	20/08/2021
57.	Viramgam	4.50	85%	Completed	31/08/2021
58.	Bavla	5.80	35%	Completed	12/12/2021
59.	Dhandhuka	7.50	95%	Completed	31/07/2021
60.	Bareja	3.10	85%	Completed	31/07/2021
61.	Chaklasi	4.90	0.00%	Completed	31/03/2022
62.	Kapadwanj	6.20	32%	Completed	10/12/2021
63.	Mehmdabad	5.60	60%	Completed	17/11/2021
64.	Dakor	4.90	32%	Completed	10/12/2021
65.	Kheda	5.20	43%	Completed	17/11/2021
66.	Chotila-1	2.30	22%	Completed	30/09/2021
67.	Chotila-2	1.70	15.00%	Completed	30/09/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
68.	Wadhwan	12.10	0.00%	Completed	31/03/2022
69.	Barwala	2.90	14%	Completed	17/09/2021
70.	Harij	3.00	60%	Completed	31/12/2021
71.	Chanasma	2.50	0.00%	Completed	31/12/2021
72.	Ode	2.50	35%	Completed	09/09/2021
73.	Karjan	5.20	30%	Completed	09/12/2021
74.	Vadnagar	5.94	95.00%	Completed	30/09/2021
75.	Botad	32.00	86.00%	Completed	31/07/2021
76.	Morbi-2	9.30	95%	Completed	31/07/2021
77.	Jetpur	23.50	95%	Completed	31/07/2021
78.	Gondal	16.50	55%	Completed	30/09/2021
79.	Amreli	18.20	77.00%	Completed	31/07/2021
80.	Kalol	23.50	16.00%	Completed	30/06/2022
81.	Palanpur	21.30	3.00%	95%	30/06/2022
82.	Deesa	17.00	70.00%	Completed	30/09/2021
83.	Bharuch	29.32	82.00%	90%	30/09/2021
84.	Vapi-1	14.00	55.00%	Completed	30/09/2021
85.	Anand-3	6.50	95%	Completed	31/08/2021
86.	Porbandar-1	12.80	82.00%	Completed	31/08/2021
87.	Damnagar	2.80	0.00%	Completed	11/02/2022
88.	Lathi	3.80	0.00%	Completed	11/02/2022
89.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1536.64			

New STPs for which work order given.

90.	Bhavnagar Akwada	19.2	7%	Completed	31/12/2022
91.	Anklav	3.60	20%	Completed	04/03/2022
92.	Khambhat-1	6.80	2%	Completed	04/06/2022
93.	Khambhat-2	4.50	2%	Completed	04/06/2022
94.	Thangadh	9.00	0.00%	Completed	07/06/2022
95.	Balasinor	6.50	2%	Completed	22/04/2022
96.	Savli	2.5	5%	Completed	18/04/2022
97.	Dabhoi	8.96	1%	Completed	18/04/2022
98.	Kanjari	3.3	16%	Completed	18/04/2022
99.	Halvad	6.7	0.00%	Completed	17/07/2022
100.	Rajpipla	5.02	5%	Completed	17/07/2022
101.	Pardi	4.60	0.0%	Completed	14/06/2022
102.	Mandvi Surat	3.50	0.0%	Completed	15/06/2022
103.	Ankleshwar	14.0	0.0%	Completed	15/09/2022
104.	Umargam	6.48	0.0%	Completed	14/09/2022
105.	Karamsad	7.0	0.0%	Completed	14/09/2022
106.	Boriavi	3.30	2%	Completed	14/09/2022
107.	Lunavada	5.60	0.0%	Completed	16/09/2022

108.	Palitana	10.81	0.0%	Completed	31/03/2022
Total		131.37			

Total STPs under construction: 1536.64+131.37=1668.01 MLD

Annexure-I (C)

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1.	Ahmedabad Dafnala	25	LOI Given	31/12/2022
2.	Vadodara Tarsali	100	Revised DPR under scrutiny	31/12/2022
3.	Vadodara Atladara	83	Tender to be re- invited	31/12/2022
4.	Vadodara Gajarawadi	93	Revised DPR under scrutiny	31/12/2022
5.	GandhinagarSargasan	50	LOI Given	31/12/2022
6.	Jamnagar Nr Rangmati River	50	DPR Stage	31/12/2022
7.	Junagadh Kalva	15.50	Work order given	31/12/2022
8.	Junagadh Zanzarda	11.00	Work order given	31/12/2022
9.	Junagadh near Lol river	29.50	Work order given	31/12/2022
10.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
11.	Bhanvad	3.00	Tender under approval	31/03/2022
12.	Visavadar	3.40	Tender recently approved	31/03/2022
13.	Lunawada	5.60	Tender under approval	31/03/2022
14.	Okha	10.10	Tender under approval	31/03/2022
15.	Beyt (near Okha)	1.20	Tender under approval	31/03/2022
16.	Khambhalia	5.50	Tender under approval	31/03/2022
17.	Salaya, Jamnagar	6.20	Tender under approval	31/03/2022
18.	Jamjodhpur	3.60	Tender recently approved	31/03/2022
19.	Wankaner	5.80	Tender recently approved	31/03/2022
20.	Chhaya	13.10	Tender under approval	31/03/2022
21.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
22.	Veraval- Patan	33.90	Tender to be invited	31/03/2022
23.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
24.	Babra	4.00	Under Tender evaluation	31/12/2022

25.	Kodinar	5.60	Under Tender evaluation	31/12/2022
26.	Sutrapada	4.00	Tender tobe invited	31/12/2022
27.	Talala	3.80	Under Tender evaluation	31/12/2022
28.	Chorvad	3.70	Tender recently approved	31/12/2022
29.	Halol	11.60	Tender to be invited	31/12/2022
30.	Thasra	2.30	Tender to be invited	31/12/2022
31.	Mandvi-2 (Salaya)	3.20	Tender to be invited	31/12/2022
32.	Mandvi-1 (JT Grounds)	5.30	Tender to be invited	31/12/2022
33.	Jamraval	2.60	Tender to be invited	31/12/2022
34.	Dhrol	3.60	Under tender evaluation.	31/12/2022
35.	Kalavad	4.50	Tender under approval	31/12/2022
36.	Maliya	2.50	Tender to be invited	31/12/2022
37.	Kutiyana	2.90	Tender under approval	31/12/2022
38.	Ranavav-1 (Adityana)	3.00	Tender under approval	31/12/2022
39.	Ranavav-2	4.50	Tender under approval	31/12/2022
40.	Dhoraji	12.90	Tender recently approved	31/12/2022
41.	Bhayavadar	3.10	Tender to be invited	31/12/2022
42.	Manavadar	4.90	Tender recently approved	31/12/2022
43.	Pethapur	3.80	DPR stage	30/06/2022
44.	Sikka	2.90	Tender recently approved	31/12/2022
45.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
46.	Mahesana-1	23.18	Under Tender evaluation	31/03/2022
47.	Mahesana-2	18.46	Under Tender evaluation	31/03/2022
48.	Jafrabad	5.4	Tender online	31/12/2022
49.	Gariyadhar	7.1	Under Tender evaluation	31/12/2022
50.	Shihor	8.9	Under Tender evaluation	31/12/2022
51.	Mangrol	9.6	DPR/DTP stage	31/12/2022
52.	Vanthli	2.2	DPR/DTP stage	31/12/2022
53.	Modasa	12.0	Under Tender evaluation	31/12/2022
54.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
55.	Songadh	4.5	Tender recently approved	31/12/2022
56.	Limdi	7.4	DPR/DTP stage	31/12/2022
57.	Bhachau	1.0	Tender under approval	31/12/2022
58.	Rapar	5.2	Under tender	31/12/2022

			evaluation.	
59.	Upleta	8.9	DPR/DTP stage	31/12/2022
60.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		856.57		

Newly proposed STPs.

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
61.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
62.	Gandhinagar Bhat	30	DPR Stage	31/12/2022
63.	Rajkot Raiyadhar	8.0	Tender online	31/12/2022
Total		98		

Total of Proposed STPs= 856.57+98=954.57 MLD

Annexure-II

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river

Annexure-II (A)

Progress/Status Report of the River/PRS water quality monitoring for the Month May-2021:

Sample ID and Date	Sampling Point	pH	COD (mg/l)	BOD (mg/l)	DO (mg/l)	Fecal coliform (MPN/100 ml)	Total coliform (MPN/ 100ml)
304063-06/05/2021	RIVER VISHWAMITRI AT ASOD	7.81	5	0.6	6.8	6	120
304037-06/05/2021	RIVER VISHWAMITRI AT KHALIPUR	7.21	77	23	0	>1600	>1600

Annexure-II (B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River for May-2021:

Sample ID and Date	Sampling Point	pH	COD	BOD	TDS
303674-04/05/2021	WATER PROJECT RAP BOREWELL AT HANUMAN TEMPLE ATLADRA	7.81	12	0.6	1440
303712-04/05/2021	WATER PROJECT RAP BOREWELL AT KAMATIBAUG	8.02	10	0.7	840

Annexure-II (C)

Drains Details with Flow

Sr. No.	Location	Name of Inletting Drain	Flow in MLD
1	Nr. New Sama Bridge	Cygnus School – Krishna Party Plot Drain	0.972
2	Parth School	Bharwadwas	1.440
3	Behind VUDA Bldg.	-	1.500
4	Behind Sayaji Soc.	SayajiSoc.Drain	1.944
5	Bahucharaji Kirti Tower	Various Tributaries at different Locations	11.127
6	Bhimnath Bridge	ParshuramBhatta	1.35
7	B/H Jail Court	Jail & Court Compund Drain	0.305
8	Nr. AkotaDandiaBarzar Bridge	-	0.00
9	Nr. Urmi School	Overflow of Sama Lake	2.333
10	BharwadwasSama	GIPCL Circle Drain	3.840

11	Nr. Narhari Bridge	-	2.092
12	Planatorium	Various Tributaries at different Locations in BhukhiKaans	14.959
13	Nr.Darshanam (Parshuramnagar Soc.)	ParshuramBhatta	2.218
14	Nr. AkotaDandiaBarzar Bridge	-	1.037
15	B/h. Akota Village	Akota Village	0.47
16	Nr. Ratri Bazar	VIP road drain	2.312
17	Urmi Bridge	Sama Lake Char Rasta	2.197
18	Bharwadwas	Kamatipura Area	2.00
19	Opp. Agora Mall	Navrachana School – GIPCL Circle	1.128
20	Opp. Ratri Bazar	EME Campus	0.00
21	Munjmahuda Bridge	Western part of Munjmahuda	8.156
22	Kalali B/H BSUP	Kalali Village	1.620
23	B/H Dental College	-	1.00
TOTAL			**64**

Annexure-II(D)
STP & CETP results

STP Results

STP at Tarsali – Capacity : 52 MLD					
Parameters	**pH**	**COD mg/L**	**BOD mg/L**	**TC (MPN/100 ml)**	**FC (MPN/100 ml)**
Standard	6.5-9.0	---	<30	---	**<1000**
Month	**Results**				
May 2021 (29/05/2021)	7.27	135	33	>1600	>1600
Non Complying					
STP at Gajarawadi – Capacity : 66 MLD					
Parameters	**pH**	**COD mg/L**	**BOD mg/L**	**TC (MPN/100 ml)**	**FC (MPN/100 ml)**
Standard	6.5-9.0	---	<30	---	**<1000**
Month	**Results**				
May 2021 (29/05/2021)	7.24	76	19	>1600	>1600
Partially not Complying					
STP at Sayaji Garden – Capacity : 8.5 MLD					
Parameters	**pH**	**COD mg/L**	**BOD mg/L**	**TC (MPN/100 ml)**	**FC (MPN/100 ml)**
Standard	6.5-9.0	---	<30	---	**<1000**
Month	**Results**				
May 2021 (29/05/2021) *	---	---	**----**	----	----

STP at Kapurai – Capacity : 43 MLD					
Parameters	**pH**	**COD mg/L**	**BOD mg/L**	**TC (MPN/100 ml)**	**FC (MPN/100 ml)**
Standard	6.5-9.0	---	<30	---	**<1000**
Month	**Results**				
May 2021 (29/05/2021)	7.32	41	10	>1600	>1600
Partially not Complying					
STP at Rajivnagar – Capacity : 78 MLD					
Parameters	**pH**	**COD mg/L**	**BOD mg/L**	**TC (MPN/100 ml)**	**FC (MPN/100 ml)**
Standard	6.5-9.0	---	<30	---	**<1000**
Month	**Results**				
May 2021 (29/05/2021)	7.22	66	16	>1600	>1600
Partially not Complying					
STP at Chhani – Capacity : 21 MLD					
Parameters	**pH**	**COD mg/L**	**BOD mg/L**	**TC (MPN/100 ml)**	**FC (MPN/100 ml)**
Standard	6.5-9.0	---	<30	---	**<1000**
Month	**Results**				
May 2021 (29/05/2021)	7.11	58	21	>1600	>1600
Partial not complying					
Atladara – I (Old STP at Atladra) – Capacity : 43 MLD					
Parameters	**pH**	**COD mg/L**	**BOD mg/L**	**TC (MPN/100 ml)**	**FC (MPN/100 ml)**
Standard	6.5-9.0	---	<30	---	**<1000**
Month	**Results**				
May 2021 (29/05/2021)	7.32	134	33	>1600	>1600
Not Complying					
Ataladara – II (New STP at Atladra) – Capacity : 43 MLD					
Parameters	**pH**	**COD mg/L**	**BOD mg/L**	**TC (MPN/100 ml)**	**FC (MPN/100 ml)**
Standard	6.5-9.0	---	<30	---	**<1000**
Month	**Results**				
May 2021 (29/05/2021)	7.39	77	21	>1600	>1600
Partially not Complying					

***standards as per last CCA , applied for renewal**
**** standard as per last CCA**
*****STP(s) visited on 07/04/2021. Sayajigarden STP is under modification No sewage discharge during visit**

CETP Results: Not Applicable

Annexure-III

Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date

Sr.No	River name	Details/Status
1	Vishwamitri	1. Environmental flow: • NA, when flood water of Ajwa and Pratapura sarovar (which are under Vadodara, Mahanagar sevasadan)is excess, the flood water is flowing in Vishwamitri River. Moreover there is disposal of domestic waste water and recycled sewage water fromVadodara Mahanagar sevasadan in Vishwamitry River which passes thorugh the Vadodara City. So the concerned authorities are requested to stop the disposal of water in Vishwamitri River. • Proposed plantoachieve min. e-flow: As Vishwamitri is Non-perennial River hence existing e-flow does not arise. 2. Detail of Good Irrigation Practices: • As there is no irrigation project on Vishwamitri River and in Vadodara to Asod no irrigation is prevailing. Hence no question arises about good irrigation practices. 3. Detail on Flood Plain Management Zone: 4. As far as Vishwamaitri flood protection work is concerned about different 10 wireless stations are located during the flood season for rainfall and gauge discharge measurement out of which Ajwa, Pratappura and city Bridge Stations are under Vadodara Mahanagar SevaSadan According to Danger level of City Bridge the different low lying areas identified and people are warned through early warning arrangement in conclusion with local administration.

Annexure-IV

Details w.r.t point no.XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/ River	Existing plantation / vegetation cover details	Proposed plan to cover remaining gap along river/river stretch	Time limit	Remarks
Vadodara city limit Vishwamitri river	80%	20%	2020-21	Target submitted by APCCF for all the Rivers of Gujarat is as per attached details **in Annexure-A**

Annexure – A

List of Polluted River Stretches of Gujarat (River Both side Plantation AAP in 2020-21)		
Sr. No.	River	Plants (In lakhs)
1.	Sabarmati	1.54
2.	Bhadar	0.20
3.	Amlakhadi	0.10
4.	Bhogavo	0.60
5.	Khari	0.02
6.	Vishwamitri	0.15
7.	Dhadhar	1.10
8.	Triveni	0.10
9.	Amravati	0.10
10.	Damanganga	0.25
11.	Kolak	0.25
12.	Mahi	0.20
13.	Shedhi	0.15
14.	Tapi	0.35
15.	Anas	0.05
16.	Baleshwar Khadi	0.02
17.	Kim	0.02
18.	Meshwo	0.40
19.	Mindhola	0.05
20.	Narmada	0.45
Total		6.10

Plantation of **6.91** lakh trees have been carried out on both the sides of polluted river stretches against the action plan for planting 6.10 lakh trees

Annexure-V

Details received from concerned department regarding reuse of treated wastewater

Treated waste water utilization policy:

- Gujarat Government has framed Policy for Reuse of "Treated Waste Water (TWW)" by maximising the collection and treatment of sewage generated and reusing the treated wastewater on a sustainable basis. In this regards, revised action plan has been submitted by Gujarat Water Supply and Sewerage Board (GWSSB) to Chairman, CPCB where one of the objectives of the revised action plan is to reuse 70% of treated wastewater by 2025 and 100% of treated wastewater by 2030.
- As per the details received from Gujarat Water Supply & Sewerage Board, Latest status of Treated waste water reuse in the State is as under:

	Status		
	TWW reuse started (MLD)	TWW reuse projects in tender/execution stage (MLD)	TWW reuse under planning (MLD)
Municipal Corporations	623.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**646.68**	**250**	**790.4**

Annexure-VI

Non-Complying / Partially non-complying CETPs
April- 2021

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	508
		BOD	30	42
2.	M/s. Odhav Enviro Project Ltd., Odhav, Ahmedabad	COD	250	407
		BOD	30	39
3.	M/s. Gujarat Vepari Maha Mandal Sahkari Udhyogik Vasahat Ltd, Ahmedabad	NH3-N	50	80.5
4.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	BOD	30	31
		NH3-N	50	130.2
5.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	420
		BOD	30	35
		SS	100	118
6.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	COD	250	1697
		BOD	30	321
		SS	100	326
7.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	891
		SS	100	156
		NH3-N	50	63.14
8.	M/s. Vinayak Jal SudhikaranSahakariMandali Ltd, Bavla, Ahmedabad	SS	100	164
9.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	138
10.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar.	COD	500	942
		NH_3-N	50	137.2
11.	M/s. Panoli Enviro Technology Ltd., GIDC-Panoli, Bharuch	SS	150	280
12.	M/s. Gujarat Eco Textile Park Pvt. Ltd, Palsana, Surat	SS	<60	98
13.	Vapi Green Enviro Ltd (VGEL, Vapi) (Old Name-Vapi Waste & Effluent Management Co. Ltd) (GPCB ID: 24764)	NH_3-N	50	80.5

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
14.	M/s. Sarigam Clean Initiative (Old Name-Gujarat Industrial Development Corporation), Sarigam.	SS	100	110
15.	M/s Jetpur Dying & Printing Association, Jetpur, Rajkot	COD	250	664
		BOD	100	212
16.	M/s. Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	151
		BOD	30	49
17.	M/s. Jay Khodiyar Enviro-Technologies Pvt. Ltd., Rajkot	PH	6.5 to 8.5	8.72
18.	M/s CETP of Dahej Industrial Estate	COD	250	544
		NH3-N	50	112

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Gujarat

Monthly Progress Report of PRS Dhadhar for May - 2021.

Overall status of the State:

I. Total Population: Urban Population – 2,57,45,083, Rural Population – 3,46,94,609 (Census - 2011)

II. Estimated Sewage Generation (MLD):4003 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): 73 nos, 3485 MLD
  [7 under construction STPs are now complete and are now under trial run i.e additional 183.56 MLD]
- Capacity Utilization of existing STPs: 2739 MLD
  [additional utilization capacity as on May 2021 – 192.95 MLD from existing + newly commissioned STPs]
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
  [334.44 MLD - Gap considering 3668.56 MLD treatment capacity i.e 3485 MLD + 183.56 MLD]
- No. of Operational STPs: 73 [80 as on May 2021]
- No. of Complying STPs: 15
- No. of Non-complying STPs: 27 (including STPs not obtained CTE & CCA)
- ULBs having Oxidation ponds: 9
- Site of the STPs not visited: 17
- STPs not in operation during the site visit:3
- Details of STPs not available: 2
- STPs just commissioned / under trial run: 7
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 16, ➢ Non complying: 18 (Please refer Annexure VI) *(as per CM dash board data for **April - 2021**, available on Board's website)

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Gujarat	44143	Not available	Out of 12815 water polluting industries 12700 industries having ETP. 12551 ETPs are complying with norms.	Existing CETPs : 34 Propose/Under construction/under expansion: 19

V. Solid Waste Management:

Particulars	Data
Total number of Urban Local Bodies and their population	162
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF	• There are total No. 755 of Plants for Vermi / Aerobic/ anaerobic Composting of installed processing capacity 7477 TPD. • There are 232 plants Material Recovery Facilities (MRF) with processing capacity of 5441.93 TPD installed capacity. • There are 5 plants of RDF with processing of 1390.25 TPD. • Biogas 29 plants with capacity of 1086 TPD.
Action plan to bridge gap between installed capacity and current utilization of processing facilities (if gap > 20%)	Gap is less than 20% hence not applicable.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	There are 2 Processing plants C & D Waste with processing capacity of 1300 TPD.
Total no. of wards: no. of wards having door to door collection service: no. of wards practicing segregation at source falling into PRS:	1418 1418 Information not available
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Information not available
No. and area (in acres) of uncontrolled garbage dumpsites and sanitary landfills.	Information not available
No. and area (in acres) of legacy waste within 1km. buffer on both side of the PRS	Information not available
No. of drains falling into PRS and no. of drains having floating racks/screens installed to prevent solid waste from falling into PRS	Not provided, however in-situ remediation at Ankleshwar and Kheda municipalities are under implementation. It will be commenced in all 7 municipalities related to PRS within one month after positive results of technology.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Details are being prepared					

VI. Bio-medical Waste Management:

- Total Bio-medical generation(Related to entire State): 36.42 MT/day

  Total Bio-medical generation(Related to PRS): 27.54 MT/day
- No. of Hospitals and Health Care Facilities(Related to entire State): 31286

  No. of Hospitals and Health Care Facilities(Related to PRS): 28399
- Status of Treatment Facility/ CBMWTF(Related to entire State)

  : Existing – 20, Proposed – 1

  Capacity – 126 MT/day

  Status of Treatment Facility/ CBMWTF(Related to PRS): Existing – 16

  Capacity – 108 MT/day

VII. Hazardous Waste Management:

- Total Hazardous waste generation: 2.5 to 2.7 MMT as per HW inventory which includes landfill, incineration, recycling and co-processing. (It depends upon the industrial operation of the year)
- No. of Industries generating Hazardous waste : About 19683 as per HW inventory 19-20
- Treatment capacity of all TSDFs: Total installed capacity about 8626332MT
- Avg. quantity of HW reaching TSDF and treated : 1.3 MMT as per HW inventory 19-20
- Details of ongoing or proposed TSDF: 7 no. proposed TSDF having total installed capacity about 36lac MT

VIII. Plastic Waste Management:

Details		Quantity/Capacity
• Plastic waste generated:		408201.08 TPA (April 2019-March 2020)
• Treatment/Measures adopted for reduction or management of Plastic waste:		
Disposal of Plastic Waste through	Co-processing	109157.435 MT (from April 2019 to August 2020)
	Recycler	Total no. recycling units: 597 Capacity of recycling plastic waste: 11,13,526.56 MT/Y
	Refuse Derived Fuel	MSW units : 2 Quantity of final product sold is 129,575 MT/Annum containing 7 % of plastic waste i.e. 9071 MT/Annum (April 2019-March 2020)
	Pyrolysis	Total no. of operational units: 2 Cap. to convert plastic waste into oil: 5075 TPA

		Plastic used as raw material: 600 MT/M

IX.	Details of Alternate Treatment Technology being adopted by the State/UT:
-Ahmedabad & Vadodara Municipal Corporations have set up dry sewage sludge hygienisation Cobalt – 60 gamma irradiation plant. (Ahmedabad Municipal Corporation - 100 tonnes per day) - Legacy waste treatment at Pirana dumping site, Ahmedabad.	
X.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment:
Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan. Proposal not received from PRH & RDD/ Concerned for in-situ remediation.	
XI.	Details of Nodal Officer appointed by Chief Secretary in the State/UT:
In compliance to the direction of Hon'ble NGT with reference to set up of Monitoring Mechanism, Deputy Environmental Engineer (ShriT.C.Patel) has been deputed vide letter dated 10.06.2020 at Chief Secretary office to look after the Hon'ble NGT matters.	
XII.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
All NGT matters are being reviewed regularly under chairmanship of Hon'ble CS.Total 2 review meetings are conducted so far under the chairmanship of Hon'ble CS to monitor the progress with reference to the action plans submitted w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 673/2018 and to resolve various issues/non -compliances. Last meeting was convened on 10/09/2020 under the chairmanship of Hon'ble Chief Secretary Gujarat State. Two review meetings have been convened so far w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 606/2018 which also includes the review of matters related to O.A. No.:-673/2018.	
XIII.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;
Details are attached as **Annexure – II**	
XIV.	Ground water regulation:

GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" Final comments /suggestions were sought by GWRDC vide letter dated 02/11/2020 from concerned departments for finalization of the draft bill. Seven meetings of sub-committee have been convened so far for finalization of the draft bill. The final draft bill was approved by the sub-committee during the meeting held on 12/11/2020 as per the minutes of meeting. The final draft of the bill has been submitted to the Chairman of the Committee andSpecial Secretary, (WR), Narmada Water Resource, Water Supply &Kalpsar department,Govt. of Gujarat, for consideration in the main committee meeting.	
XV.	Good irrigation practices being adopted by the State:
XVI.	Rain Water Harvesting:
XVII.	Demarcation of Floodplain and removal of illegal encroachments:
XVIII.	Maintaining minimum e-flow of river:
Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date is attached as **Annexure – III.**	
XIX.	Plantation activities along the rivers:
Details w.r.t point no. XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV**	
XX.	Development of biodiversity park:
As per the information received from GBB, vide letter dated 24.04.2020, Forest Dept. has established a very rich Botanical Garden at Waghai, Dangs. It also has a chain of Research Stations, Germ Plasms Banks, Provenance Banks, Sample Plots, Preservation Plots spread all over the State. Many working plans have Conservation or Preservation Working Circles for the express purpose of Biodiversity Conservation. The National Working Pan Code 2014 also mandates a Biodiversity Conservation Working Circle. All plans coming up for revision now shall have a Biodiversity Conservation Working Circle. Besides a host of Biodiversity based activities like Cactus Park, Ekta Van, Ekta Nursery, and Nutritional Park etc., have come up at Statue of Unity. Moreover, Shakkarbaug Zoo is an "A" Category zoological park along with many other zoological parks at Rajkot, Ahmedabad, Gandhinagar, Vadodara, Surat, Kevadiya etc. All these are repositories of biodiversity. Therefore, these may be treated as a Biodiversity park is totality.	

GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 Crore for the development of Biodiversity Park. Team suggested tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.	
XXI.	Reuse of Treated Water:
Details are attached as **Annexure – V**	
XXII.	Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:
River Sabarmati has been selected as model river stretch during the 9thRRC meeting held on 27.11.2020.	
XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:
Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms. STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.	
XXIV.	Regulation of Mining Activities in the State/UT:
Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.	
XXV.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring
• Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 . • Number of closure directions to defaulting units under section 31 A of Air Act – 1981:	

5703 respectively.

- Number of notice of directions to defaulting units under section 33 A of Water Act – 1974: 17263.
- Number of closure directions to defaulting units under section 33 A of Water Act – 1974: 11383.
- Number of notice of directions under rule 4(2) of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 4130
- Number of closure directions under section 5 of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 1583

(As per Annual report – 2018-19)

***Note: Incremental progress made by the State/UT in each activity to be provided.**

RRC meetings:

RRC meetings are regularly being held at GPCB, Gandhinagar to review the progress and the minutes of the meeting having progress status, is regularly submitted to CPCB. Last RRC (9th RRC) meeting was conducted on 27/11/2020. Following are the gist of main points discussed during the meeting:

- Concerned departments / authorities/ organizations were asked to submit proposals with elongated /revised timeline for completion of the projects with the justification
- Concerned departments / authorities/ organizations were asked to furnish details of incremental progress of the projects & activities proposed under the Action Plans of Polluted River Stretches
- All the concerned Municipal Corporations & Nagapalikas were asked to submit the list of STPs not complying with the norms and proposals for up-gradation of the STPs not complying with the norms along with the timeline for completion of the same.
- GWSSB was asked to submit STP wise progress of land issues on monthly basis to RRC and GPCB.
- River Sabarmati has been selected as model river stretch.

STPs:

Sr. No.	Proposed STP details	Status
1.	Kapurai (new) (60 MLD) (STP + Network)	78% work of STP is completed. (Revised timeline 31/12/2021)
2.	Sayaji garden (7.5 MLD)	65% work is completed (Revised timeline 28/02/2022)
3.	Channi (new) (50 MLD) (STP + Network)	40% work of STP is completed (Revised timeline 31/12/2021)
4.	Atladara (new) (83 MLD)*	Tender to be re- invited. (Revised timeline 31/12/2022)
5.	Tarsali/GIDC (new) (100 MLD) (STP + Network)*	Revised DPR under scrutiny. (Revised timeline 31/12/2022)
* (Representative of VMC in 8th RRC meeting informed that now by considering future quest up to 2035, new DPR was prepared for the 83 MLD capacity instead of 24 MLD capacity for Atladra , New STP and , and capacity of Tarsali STP is enhanced from 20 MLD to 100 MLD)		

CETPs: There is no any industrial effluent discharge/outlet into Dhadhar river stretch.

Annexure-I (A)

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
1	Ahmedabad Pirana 2009	60	60	Operational	Non Compliance	
2	Ahmedabad Old Pirana 2004	106	106	Operational	Non Compliance	SCN-587981
3	Ahmedabad Pirana 2009	180	180	Operational	Non Compliance	
4	Ahmedabad Vasna 2004	126	126	Operational	Non Compliance	
5	Ahmedabad Vasna 2009	35	35	Operational	Compliance	
6	Ahmedabad Vasna 2011	240	235	Operational	Compliance	
7	Ahmedabad Vinzol 2011	70	70	Operational	Compliance	
8	Ahmedabad Vasna 2018	48	48	Operational	Compliance	
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Compliance	
10	Ahmedabad Vinzol 2020	35	30	Operational	Compliance	
11	Ahmedabad Arvind Mill	8	8	Operational	Compliance	
12	Ahmedabad Rasala	1	1	Operational	Not in operation during site visit	
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Site not visited	Only obtained ID, Not applied for CTE/CCA
14	Ahmedabad V S Hospital	1	1	Operational	Compliance	
15	Ahmedabad Nikol	0.5	0.5	Operational	Details not available	
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Compliance	
17	Ahmedabad Lambha	5	2	Operational	Details not available	
18	Surat	155	147.58	Operational	Compliance	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
	Singanpore 2003/2014					
19	Surat Karanj 1999/2015	140	136.59	Operational	Site not visited	
20	Surat Bhatar 1999/2014/2017	162	162	Operational	Site not visited	
21	Surat Anjana 1995/2007/2019	122	121	Operational	Site not visited	
22	Surat Bamroli 2008/2019	100	100	Operational	Non Compliance	SCN-591844
23	Surat Bhesan 1995/2009/2020	200 (100 existing + 100 proposed expansion)	120.52	Operational	Site not visited	
24	Surat Khajod 2011	25	24.20	Operational	Site not visited	
25	Surat Asarama 2011	15	15	Operational	Non Compliance	SCN-591208
26	Surat Dindoli 2012/2019	167	72.50	Operational	Site not visited	
27	Surat Variav-Kosad 2012/2017	134	131	Operational	Compliance	
28	Surat Gavier 2016	53	16	Operational	Non Compliance	SCN-589968
29	Vadodara Tarsali	52	58	Operational	Non Compliance	SCN-591157
30	Vadodara Gajarawadi	66	72	Operational	Non Compliance	SCN-591155
31	Vadodara Kapurai	43	50	Operational	Non Compliance	SCN-591156
32	Vadodara Rajivnagar	78	55	Operational	Compliance	
33	Vadodara Sayaji garden	8.5	7	Operational	Non Compliance	
34	Vadodara Channi	21	21	Operational	Non Compliance	SCN-590935

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
35	Vadodara Atladara (old)	43	51	Operational	Non Compliance	SCN-28/05/2021
36	Vadodara Atladara (new)	43	43	Operational	Non Compliance	SCN-28/05/2021
37	Gandhinagar Jaspur 2007	76	45	Operational	Non Compliance	SCN-589724
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Non Compliance	
39	Gandhinagar Basan 2011-12	2	1.0	Operational	Non Compliance	SCN-590220
40	Rajkot Nr Raiya village 2010	51	45	Operational	Site not visited	
41	Rajkot Raiyadhar 2017	56	35	Operational	Compliance	
42	Rajkot Nr Madhapar 2018	44.5	16	Operational	Non Compliance	
43	Rajkot Nr Kothariya Village 2017	15	9	Operational	Non Compliance	
44	Rajkot Gavaridad 2018	70	35	Operational	Non Compliance	
45	Rajkot Madhapar 2019	80	30	Operational	Non Compliance	SCN-5858200
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Site not visited	
47	Bhavnagar Behind Excel industries	45	40	Operational	Site not visited	
48	Jamnagar Navagam Ghed	70	70	Operational	Site not visited	
49	Gandhidham - Anjar	30.00	22	Operational	Site not visited	
50	Patan	25.00	13	Operational	Site not visited	
51	Nadiad	51.26	20	Operational	Not in operation	
52	Siddhpur	5.62	5	Operational	Oxidation pond	
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond	
54	Sanand	20.50	0	Non - Operational	Site not visited	
55	Himmatnagar	17.51	6	Operational	Site not visited	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
56	Petlad	10.37	8	Operational	Non Compliance	
57	Dholka	13.60	8	Operational	Non Compliance	
58	Savarkundla	13.90	5	Operational	Oxidation pond	
59	Gadhda	6.50	2	Operational	Oxidation pond	
60	Kathlal	3.80	2.59	Operational	Oxidation pond	
61	Mahudha	2.10	1.76	Operational	Oxidation pond	
62	Bayad	4.00	2.06	Operational	Oxidation pond	
63	Patadi	2.80	1.33	Operational	Oxidation pond	
64	Sojitra	2.30	2	Operational	Oxidation pond	
65	Dwarka	7.50	2.28	Operational	Site not visited	Not obtained CTE/CCA
66	Godhra	27.60	4	Operational	Site not visited	
67	Bhuj	23.70	19	Operational	Non Compliance	Not obtained CTE/CCA
68	Bhachau	10	4	Operational	Non compliance	Not obtained CTE & CCA
69	Anand (Lambhvel)	33	9	Operational	Compliance	Not obtained CTE/CCA
70	Anand (TP-8)	13.5	2.5	Operational	Non Compliance	SCN-589391
71	Surendranagar	32.3	17	Operational	Compliance	
72	Valsad-1	20.2	2	Operational	Not in operation during site visit	
73	Morbi	28.8	6	Operational	Non Compliance	
Total		3598.86	2915.91			

New STPs under trail run.

74	Jasdan	8.80	4.0	Under trial run	
75	Tharad	4.80	2.5	Under trial run	
76	Dehgam	7.60	4.0	Under trial run	
77	Dhangadhra	11.60	1.04	Under trial run	
78	Porbandar	19.10	3.0	Under trial run	
79	Bardoli	11.30	0.0	Under trial run	
80	Vyara	6.50	1.50	Under trail run	
Total		69.7	16.04		

CTE: Consent to Establish, CC&A: Consolidated Consents and Authorization.

Annexure-I (B)

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1.	Ahmedabad Vinzol	100	95%	Completed	31/08/2021
2.	Ahmedabad Pirana	155	93%	Completed	31/08/2021
3.	Ahmedabad Maleksaban	30	30%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	02%	Completed	31/12//2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	SuratSinganpore	100	98%	Completed	31/07/2021
7.	SuratBhatar	115	74%	Completed	31/07/2021
8.	SuratBamroli	115	77%	Completed	28/02/2022
9.	SuratAsarma	22.5	54%	Completed	05/04/2022
10.	SuratKhajod	30	36%	Completed	30/11/2021
11.	Vadodara Kapurai	60	78%	85%	31/12/2021
12.	Vadodara Chhani	50	40%	Completed	31/12/2021
13.	Vadodara Bhayli	45	45%	Completed	28/02/2022
14.	Vadodara Sayaji garden	7.5	65%	Completed	28/02/2022
15.	Rajkot Kothariya, on NH bypass	15	25%	Completed	07/09/2021
16.	Bhavnagar Axcel Industries	50	42%	Completed	31/05/2022
17.	JunagadhBilkha Road, Near CBSE School	8.2	70%	Completed	03/09/2021
18.	Rajula	5.70	13%	Completed	31/10/2021
19.	Bagasara	5.90	14%	Completed	31/10/2021
20.	Chalala	2.80	90%	Completed	31/08/2021
21.	Mahuva	16.30	90%	Completed	31/08/2021
22.	Talaja	5.80	80%	Completed	31/08/2021
23.	Una	11.70	96%	Completed	31/08/2021
24.	Bantva	2.60	98%	Completed	31/08/2021
25.	Mansa	5.00	45%	Completed	31/08/2021
26.	Dhanera	4.00	48.00%	Completed	15/11/2021
27.	Bhabhar	3.50	45%	Completed	25/09/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
28.	Thara	3.60	45%	Completed	15/11/2021
29.	Kadi	12.80	55%	Completed	05/09/2021
30.	Unjha	11.60	81%	Completed	31/08/2021
31.	Visnagar-1	12.00	97.00%	Completed	31/07/2021
32.	Visnagar-2	5.30	75%	Completed	31/08/2021
33.	Kheralu	2.90	90%	Completed	10/11/2021
34.	Vijapur	4.10	50%	Completed	10/11/2021
35.	Radhanpur	6.00	15%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	13/06/2022
36.	Idar	7.40	91.00%	Completed	31/08/2021
37.	Khedbrahma	5.80	91.00%	Completed	31/08/2021
38.	Prantij	3.70	91%	Completed	31/08/2021
39.	Talod	3.60	17%	Completed	30/10/2021
40.	Vadali	3.80	5%	Completed	30/10/2021
41.	Jambusar	5.90	62%	Completed	16/10/2021
42.	Amod	3.10	62%	Completed	16/10/2021
43.	Bilimora	8.30	15%	Completed	04/03/2022
44.	Gandevi	2.60	20%	Completed	31/03/2022
45.	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
46.	Dharampur	4.10	62%	Completed	31/08/2021
47.	Borsad	9.80	95%	Completed	31/08/2021
48.	Umreth	6.10	61%	Completed	25/08/2021
49.	Dahod	13.70	98.00%	Completed	31/07/2021
50.	Zalod	4.60	95%	Completed	31/07/2021
51.	Devgadhbariya	3.80	79%	Completed	31/07/2021
52.	Santrampur	2.91	41%	Completed	21/09/2021
53.	Kalol (P)	4.77	55%	Completed	09/09/2021
54.	Shehra	2.80	26%	Completed	30/09/2021
55.	Chhotaudepur	5.00	96%	Completed	31/07/2021
56.	Padra	5.60	82%	Completed	20/08/2021
57.	Viramgam	4.50	85%	Completed	31/08/2021
58.	Bavla	5.80	35%	Completed	12/12/2021
59.	Dhandhuka	7.50	95%	Completed	31/07/2021
60.	Bareja	3.10	85%	Completed	31/07/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
61.	Chaklasi	4.90	0.00%	Completed	31/03/2022
62.	Kapadwanj	6.20	32%	Completed	10/12/2021
63.	Mehmdabad	5.60	60%	Completed	17/11/2021
64.	Dakor	4.90	32%	Completed	10/12/2021
65.	Kheda	5.20	43%	Completed	17/11/2021
66.	Chotila-1	2.30	22%	Completed	30/09/2021
67.	Chotila-2	1.70	15.00%	Completed	30/09/2021
68.	Wadhwan	12.10	0.00%	Completed	31/03/2022
69.	Barwala	2.90	14%	Completed	17/09/2021
70.	Harij	3.00	60%	Completed	31/12/2021
71.	Chanasma	2.50	0.00%	Completed	31/12/2021
72.	Ode	2.50	35%	Completed	09/09/2021
73.	Karjan	5.20	30%	Completed	09/12/2021
74.	Vadnagar	5.94	95.00%	Completed	30/09/2021
75.	Botad	32.00	86.00%	Completed	31/07/2021
76.	Morbi-2	9.30	95%	Completed	31/07/2021
77.	Jetpur	23.50	95%	Completed	31/07/2021
78.	Gondal	16.50	55%	Completed	30/09/2021
79.	Amreli	18.20	77.00%	Completed	31/07/2021
80.	Kalol	23.50	16.00%	Completed	30/06/2022
81.	Palanpur	21.30	3.00%	95%	30/06/2022
82.	Deesa	17.00	70.00%	Completed	30/09/2021
83.	Bharuch	29.32	82.00%	90%	30/09/2021
84.	Vapi-1	14.00	55.00%	Completed	30/09/2021
85.	Anand-3	6.50	95%	Completed	31/08/2021
86.	Porbandar-1	12.80	82.00%	Completed	31/08/2021
87.	Damnagar	2.80	0.00%	Completed	11/02/2022
88.	Lathi	3.80	0.00%	Completed	11/02/2022
89.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1536.64			

New STPs for which work order given.

90.	Bhavnagar Akwada	19.2	7%	Completed	31/12/2022
91.	Anklav	3.60	20%	Completed	04/03/2022
92.	Khambhat-1	6.80	2%	Completed	04/06/2022
93.	Khambhat-2	4.50	2%	Completed	04/06/2022
94.	Thangadh	9.00	0.00%	Completed	07/06/2022
95.	Balasinor	6.50	2%	Completed	22/04/2022

96.	Savli	2.5	5%	Completed	18/04/2022
97.	Dabhoi	8.96	1%	Completed	18/04/2022
98.	Kanjari	3.3	16%	Completed	18/04/2022
99.	Halvad	6.7	0.00%	Completed	17/07/2022
100.	Rajpipla	5.02	5%	Completed	17/07/2022
101.	Pardi	4.60	0.0%	Completed	14/06/2022
102.	Mandvi Surat	3.50	0.0%	Completed	15/06/2022
103.	Ankleshwar	14.0	0.0%	Completed	15/09/2022
104.	Umargam	6.48	0.0%	Completed	14/09/2022
105.	Karamsad	7.0	0.0%	Completed	14/09/2022
106.	Boriavi	3.30	2%	Completed	14/09/2022
107.	Lunavada	5.60	0.0%	Completed	16/09/2022
108.	Palitana	10.81	0.0%	Completed	31/03/2022
Total		131.37			

Total STPs under construction: 1536.64+131.37=1668.01 MLD

Annexure-I (C)

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1.	Ahmedabad Dafnala	25	LOI Given	31/12/2022
2.	Vadodara Tarsali	100	Revised DPR under scrutiny	31/12/2022
3.	Vadodara Atladara	83	Tender to be re- invited	31/12/2022
4.	Vadodara Gajarawadi	93	Revised DPR under scrutiny	31/12/2022
5.	GandhinagarSargasan	50	LOI Given	31/12/2022
6.	Jamnagar Nr Rangmati River	50	DPR Stage	31/12/2022
7.	Junagadh Kalva	15.50	Work order given	31/12/2022
8.	Junagadh Zanzarda	11.00	Work order given	31/12/2022
9.	Junagadh near Lol river	29.50	Work order given	31/12/2022
10.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
11.	Bhanvad	3.00	Tender under approval	31/03/2022
12.	Visavadar	3.40	Tender recently approved	31/03/2022
13.	Lunawada	5.60	Tender under approval	31/03/2022

14.	Okha	10.10	Tender under approval	31/03/2022
15.	Beyt (near Okha)	1.20	Tender under approval	31/03/2022
16.	Khambhalia	5.50	Tender under approval	31/03/2022
17.	Salaya, Jamnagar	6.20	Tender under approval	31/03/2022
18.	Jamjodhpur	3.60	Tender recently approved	31/03/2022
19.	Wankaner	5.80	Tender recently approved	31/03/2022
20.	Chhaya	13.10	Tender under approval	31/03/2022
21.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
22.	Veraval- Patan	33.90	Tender to be invited	31/03/2022
23.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
24.	Babra	4.00	Under Tender evaluation	31/12/2022
25.	Kodinar	5.60	Under Tender evaluation	31/12/2022
26.	Sutrapada	4.00	Tender tobe invited	31/12/2022
27.	Talala	3.80	Under Tender evaluation	31/12/2022
28.	Chorvad	3.70	Tender recently approved	31/12/2022
29.	Halol	11.60	Tender to be invited	31/12/2022
30.	Thasra	2.30	Tender to be invited	31/12/2022
31.	Mandvi-2 (Salaya)	3.20	Tender to be invited	31/12/2022
32.	Mandvi-1 (JT Grounds)	5.30	Tender to be invited	31/12/2022
33.	Jamraval	2.60	Tender to be invited	31/12/2022
34.	Dhrol	3.60	Under tender evaluation.	31/12/2022
35.	Kalavad	4.50	Tender under approval	31/12/2022
36.	Maliya	2.50	Tender to be invited	31/12/2022
37.	Kutiyana	2.90	Tender under approval	31/12/2022
38.	Ranavav-1 (Adityana)	3.00	Tender under approval	31/12/2022
39.	Ranavav-2	4.50	Tender under approval	31/12/2022
40.	Dhoraji	12.90	Tender recently approved	31/12/2022
41.	Bhayavadar	3.10	Tender to be invited	31/12/2022
42.	Manavadar	4.90	Tender recently approved	31/12/2022
43.	Pethapur	3.80	DPR stage	30/06/2022
44.	Sikka	2.90	Tender recently approved	31/12/2022
45.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
46.	Mahesana-1	23.18	Under Tender	31/03/2022

			evaluation	
47.	Mahesana-2	18.46	Under Tender evaluation	31/03/2022
48.	Jafrabad	5.4	Tender online	31/12/2022
49.	Gariyadhar	7.1	Under Tender evaluation	31/12/2022
50.	Shihor	8.9	Under Tender evaluation	31/12/2022
51.	Mangrol	9.6	DPR/DTP stage	31/12/2022
52.	Vanthli	2.2	DPR/DTP stage	31/12/2022
53.	Modasa	12.0	Under Tender evaluation	31/12/2022
54.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
55.	Songadh	4.5	Tender recently approved	31/12/2022
56.	Limdi	7.4	DPR/DTP stage	31/12/2022
57.	Bhachau	1.0	Tender under approval	31/12/2022
58.	Rapar	5.2	Under tender evaluation.	31/12/2022
59.	Upleta	8.9	DPR/DTP stage	31/12/2022
60.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		856.57		

Newly proposed STPs.

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
61.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
62.	Gandhinagar Bhat	30	DPR Stage	31/12/2022
63.	Rajkot Raiyadhar	8.0	Tender online	31/12/2022
Total		98		

Total of Proposed STPs= 856.57+98=954.57 MLD

Annexure-II

XIII. Progress/Status Report of the River/PRS water quality Monitoring:

Sample ID and Date	Sampling Point	pH	COD (mg/l)	BOD (mg/l)	DO (mg/l)	FC (MPN/100ml)	TC (MPN/100ml)
303700-04/05/2021	River Dhadhar At Kothwada	8.08	52	3.6	5.3	>1600	>1600
303928-05/05/2021	River Dhadhar At Village Pingalwada	8.09	15	3.5	4.6	49	240

Annexure:-II (A)

STPs Results

STP at Tarsali – Capacity : 52 MLD					
Parameters	**pH**	**COD mg/L**	**BOD mg/L**	**TC (MPN/100 ml)**	**FC (MPN/100 ml)**
Standard	6.5-9.0	---	<30	---	**<1000**
Month	**Results**				
May 2021 (29/05/2021)	7.27	135	33	>1600	>1600
Non Complying					
STP at Gajarawadi – Capacity : 66 MLD					
Parameters	**pH**	**COD mg/L**	**BOD mg/L**	**TC (MPN/100 ml)**	**FC (MPN/100 ml)**
Standard	6.5-9.0	---	<30	---	**<1000**
Month	**Results**				
May 2021 (29/05/2021)	7.24	76	19	>1600	>1600
Partially not Complying					
STP at Sayaji Garden – Capacity : 8.5 MLD					
Parameters	**pH**	**COD mg/L**	**BOD mg/L**	**TC (MPN/100 ml)**	**FC (MPN/100 ml)**
Standard	6.5-9.0	---	<30	---	**<1000**
Month	**Results**				
May 2021 (29/05/2021) *	---	---	**----**	----	----

STP at Kapurai – Capacity : 43 MLD					
Parameters	**pH**	**COD mg/L**	**BOD mg/L**	**TC (MPN/100 ml)**	**FC (MPN/100 ml)**
Standard	6.5-9.0	---	<30	---	**<1000**
Month	**Results**				

May 2021 (29/05/2021)	7.32	41	10	>1600	>1600
Partially not Complying					
STP at Rajivnagar – Capacity : 78 MLD					
Parameters	**pH**	**COD mg/L**	**BOD mg/L**	**TC (MPN/100 ml)**	**FC (MPN/100 ml)**
Standard	6.5-9.0	---	<30	---	**<1000**
Month	**Results**				
May 2021 (29/05/2021)	7.22	66	16	>1600	>1600
Partially not Complying					
STP at Chhani – Capacity : 21 MLD					
Parameters	**pH**	**COD mg/L**	**BOD mg/L**	**TC (MPN/100 ml)**	**FC (MPN/100 ml)**
Standard	6.5-9.0	---	<30	---	**<1000**
Month	**Results**				
May 2021 (29/05/2021)	7.11	58	21	>1600	>1600
Partially not Complying					
Atladara – I (Old STP at Atladra) – Capacity : 43 MLD					
Parameters	**pH**	**COD mg/L**	**BOD mg/L**	**TC (MPN/100 ml)**	**FC (MPN/100 ml)**
Standard	6.5-9.0	---	<30	---	**<1000**
Month	**Results**				
May 2021 (29/05/2021)	7.32	134	33	>1600	>1600
Not Complying					
Ataladara – II (New STP at Atladra) – Capacity : 43 MLD					
Parameters	**pH**	**COD mg/L**	**BOD mg/L**	**TC (MPN/100 ml)**	**FC (MPN/100 ml)**
Standard	6.5-9.0	---	<30	---	**<1000**
Month	**Results**				
May 2021 (29/05/2021)	7.39	77	21	>1600	>1600
Partially not Complying					

***standards as per last CCA , applied for renewal**

**** standard as per last CCA**

*****STP(s) visited on 07/04/2021. Sayaji garden STP is under modification No sewage discharge during visit**

Annexure-II (B)

Drain details with flow

Sr. No.	Location	Name of Inletting Drain	Flow in MLD
1	Downstream of Pingalwada	Vishwamitri	409
2	Upstream of Pingalwada	Rangai	@ 1.3
3	Upstream of Pingalwada	Natural Kaans	@ 0.36

Annexure-II (C) CETPs Details

Not Applicable

Annexure-II (D)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River:

Sample ID and Date	Sampling Point	pH	COD mg/l	BOD mg/l	TDS mg/l
303700-04/05/2021	Borewell At Por Gidc Office	8.13	12	0.7	1276

Annexure-III

Details w.r.t point no. XV, XVI, XVII & XVIII given by Irrigation Dept./WRD as on date

Sr.No	River name	Details/Status
1	Dhadhar	1. Environmental flow: • NA, Dhadhar is not a perennial River.When the access of flood water released from Deo Dam, ultimately the water of Deo River meets to Dhadhar River at village Banaiya, Ta.Dabhoi. • Proposed plan to achieve min e-flow: As Dhadhar is Non-perennial River hence existing e-flow does not arise. 2. Detail of Good Irrigation Practices: • General Government Practice of irrigation is maintained in command area of Deo irrigation project and Jojwa-Wadhwana irrigation project. • Deo irrigation project – CCA 5887Ha. • Jojwa – Wadhwan irrigatin project-6750Ha. • 15 No. of small check dam – 70 Ha. Indirec tirrigation • 27 Lift Irrigation Schemes-135 Ha. Indirect irrigation • Farmer are frequently made aware to use water optimally. 3. Detail on Flood Plain Management Zone: • According to rule level which decided by the Govt. of Gujarat the access water from Deo Dam is released and there are about 33 villages of Halol, Waghodia & Dabhoi Taluka are identified which might go under submergence zone. Hence according to that different low lying villages are identified and people are warned through early warning arrangement in consultation with local administration.

Annexure-IV

Details w.r.t point no.XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/river	Existing plantation/vegetation cover details	Proposed plan to cover remaining gap along river /river stretch	Time limit	Remarks
Dhadhar	Existing vegetation covered by Propopisjuliflora&Caparis aphylla and other shrubs.	1.10 lacs Plantation to be done in 2020-2021	2020-2021	As per AAP (Annexure A) for both side plantation on PRS during 2020-21.

Annexure – A

List of Polluted River Stretches of Gujarat (River Both side Plantation AAP in 2020-21)		
Sr. No.	River	Plants (In lakhs)
1.	Sabarmati	1.54
2.	Bhadar	0.20
3.	Amlakhadi	0.10
4.	Bhogavo	0.60
5.	Khari	0.02
6.	Vishwamitri	0.15
7.	Dhadhar	1.10
8.	Triveni	0.10
9.	Amravati	0.10
10.	Damanganga	0.25
11.	Kolak	0.25
12.	Mahi	0.20
13.	Shedhi	0.15
14.	Tapi	0.35
15.	Anas	0.05
16.	Baleshwar Khadi	0.02
17.	Kim	0.02
18.	Meshwo	0.40
19.	Mindhola	0.05
20.	Narmada	0.45
Total		6.10

Plantation of **6.91** lakh trees have been carried out on both the sides of polluted river stretches against the action plan for planting 6.10 lakh trees

Annexure-V

Details received from concerned department regarding reuse of treated wastewater

Treated waste water utilization policy:

- Gujarat Government has framed Policy for Reuse of "Treated Waste Water (TWW)" by maximising the collection and treatment of sewage generated and reusing the treated wastewater on a sustainable basis. In this regards, revised action plan has been submitted by Gujarat Water Supply and Sewerage Board (GWSSB) to Chairman, CPCB where one of the objectives of the revised action plan is to reuse 70% of treated wastewater by 2025 and 100% of treated wastewater by 2030.
- As per the details received from Gujarat Water Supply & Sewerage Board, Latest status of Treated waste water reuse in the State is as under:

	Status		
	TWW reuse started (MLD)	TWW reuse projects in tender/execution stage (MLD)	TWW reuse under planning (MLD)
Municipal Corporations	623.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**646.68**	**250**	**790.4**

Annexure-VI

Non-Complying / Partially non-complying CETPs
April- 2021

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	508
		BOD	30	42
2.	M/s. Odhav Enviro Project Ltd., Odhav, Ahmedabad	COD	250	407
		BOD	30	39
3.	M/s. Gujarat Vepari Maha Mandal Sahkari Udhyogik Vasahat Ltd, Ahmedabad	NH3-N	50	80.5
4.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	BOD	30	31
		NH3-N	50	130.2
5.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	420
		BOD	30	35
		SS	100	118
6.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	COD	250	1697
		BOD	30	321
		SS	100	326
7.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	891
		SS	100	156
		NH3-N	50	63.14
8.	M/s. Vinayak Jal SudhikaranSahakariMandali Ltd, Bavla, Ahmedabad	SS	100	164
9.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	138
10.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar.	COD	500	942
		NH_3-N	50	137.2
11.	M/s. Panoli Enviro Technology Ltd., GIDC-Panoli, Bharuch	SS	150	280
12.	M/s. Gujarat Eco Textile Park Pvt. Ltd, Palsana, Surat	SS	<60	98

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
13.	Vapi Green Enviro Ltd (VGEL, Vapi) (Old Name-Vapi Waste & Effluent Management Co. Ltd) (GPCB ID: 24764)	NH_3-N	50	80.5
14.	M/s. Sarigam Clean Initiative (Old Name-Gujarat Industrial Development Corporation), Sarigam.	SS	100	110
15.	M/s Jetpur Dying & Printing Association, Jetpur, Rajkot	COD	250	664
		BOD	100	212
16.	M/s. Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	151
		BOD	30	49
17.	M/s. Jay Khodiyar Enviro-Technologies Pvt. Ltd., Rajkot	PH	6.5 to 8.5	8.72
18.	M/s CETP of Dahej Industrial Estate	COD	250	544
		NH3-N	50	112

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Gujarat
Monthly Progress Report of PRS Triveni for May - 2021.

Overall status of the State:

I. Total Population: Urban Population – 2,57,45,083, Rural Population – 3,46,94,609 (Census - 2011)

II. Estimated Sewage Generation (MLD): 4003 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): 73 nos, 3485 MLD
  [7 under construction STPs are now complete and are now under trial run i.e additional 183.56 MLD]
- Capacity Utilization of existing STPs: 2739 MLD
  [additional utilization capacity as on May 2021 – 192.95 MLD from existing + newly commissioned STPs]
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
  [334.44 MLD - Gap considering 3668.56 MLD treatment capacity i.e 3485 MLD + 183.56 MLD]
- No. of Operational STPs: 73 [80 as on May 2021]
- No. of Complying STPs: 15
- No. of Non-complying STPs: 27 (including STPs not obtained CTE & CCA)
- ULBs having Oxidation ponds: 9
- Site of the STPs not visited: 17
- STPs not in operation during the site visit:3
- Details of STPs not available: 2
- STPs just commissioned / under trial run: 7
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 16, ➢ Non complying: 18 (Please refer Annexure VI) *(as per CM dash board data for **April-2021**, available on Board's website)

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Gujarat	44143	Not available	Out of 12815 water polluting industries 12700 industries having ETP. 12551 ETPs are complying with norms.	Existing CETPs : 34 Propose/Under construction/under expansion: 19

V. Solid Waste Management:

Particulars	Data
Total number of Urban Local Bodies and their population	162
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF	• There are total No. 755 of Plants for Vermi / Aerobic/ anaerobic Composting of installed processing capacity 7477 TPD. • There are 232 plants Material Recovery Facilities (MRF) with processing capacity of 5441.93 TPD installed capacity. • There are 5 plants of RDF with processing of 1390.25 TPD. • Biogas 29 plants with capacity of 1086 TPD.
Action plan to bridge gap between installed capacity and current utilization of processing facilities (if gap > 20%)	Gap is less than 20% hence not applicable.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	There are 2 Processing plants C & D Waste with processing capacity of 1300 TPD.
Total no. of wards: no. of wards having door to door collection service: no. of wards practicing segregation at source falling into PRS:	1418 1418 Information not available
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Information not available
No. and area (in acres) of uncontrolled garbage dumpsites and sanitary landfills.	Information not available
No. and area (in acres) of legacy waste within 1km. buffer on both side of the PRS	Information not available
No. of drains falling into PRS and no. of drains having floating racks/screens installed to prevent solid waste from falling into PRS	Not provided, however in-situ remediation at Ankleshwar and Kheda municipalities are under implementation. It will be commenced in all 7 municipalities related to PRS within one month after positive results of technology.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Details being prepared.					

VI. Bio-medical Waste Management:

- Total Bio-medical generation(Related to entire State): 36.42 MT/day

  Total Bio-medical generation(Related to PRS): 27.54 MT/day

- No. of Hospitals and Health Care Facilities(Related to entire State): 31286

  No. of Hospitals and Health Care Facilities(Related to PRS): 28399
- Status of Treatment Facility/ CBMWTF(Related to entire State)

  : Existing – 20, Proposed – 1

  Capacity – 126 MT/day

  Status of Treatment Facility/ CBMWTF(Related to PRS): Existing – 16

  Capacity – 108 MT/day

VII. Hazardous Waste Management:

- Total Hazardous Waste generation: 2.5 to 2.7 MMT as per HW inventory which includes landfill, incineration, recycling and co-processing. (It depends upon the industrial operation of the year)
- No. of Industries generating Hazardous waste: About 19683 as per HW inventory 19-20
- Treatment Capacity of all TSDFs: Total installed capacity about 8626332 MT
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated: 1.3 MMT as per HW inventory 19-20
- Details of on-going or proposed TSDF: 7 nos. proposed TSDF having total installed capacity about 36 lac MT

VIII. Plastic Waste Management:

- Total Plastic Waste generation: 408201.08 TPA (April 2019-March 2020)
- Treatment/ Measures adopted for reduction or management of plastic waste:

Disposal of Plastic Waste through	Co-processing	109157.435 MT (from April 2019 to August 2020)
	Recycler	Total no. recycling units: 597 Capacity of recycling plastic waste: 11,13,526.56 MT/Y
	Refuse Derived Fuel	MSW units : 2 Quantity of final product sold is 129,575 MT/Annum containing 7 % of plastic waste i.e. 9071 MT/Annum (April 2019-March 2020)
	Pyrolysis	Total no. of operational units: 2 Cap. to convert plastic waste into oil: 5075 TPA Plastic used as raw material: 600 MT/M

IX.	Details of Alternate Treatment Technology being adopted by the State/UT:
-Ahmedabad & Vadodara Municipal Corporations have set up dry sewage sludge	

hygienisation Cobalt – 60 gamma irradiation plant. (Ahmedabad Municipal Corporation - 100 tonnes per day) - Legacy waste treatment at Pirana dumping site, Ahmedabad.	
X.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment:
Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan. Proposal not received from PRH & RDD/ Concerned for in-situ remediation.	
XI.	Details of Nodal Officer appointed by Chief Secretary in the State/UT:
In compliance to the direction of Hon'ble NGT with reference to set up of Monitoring Mechanism, Deputy Environmental Engineer (Shri T.C.Patel) has been deputed vide letter dated 10.06.2020 at Chief Secretary office to look after the Hon'ble NGT matters.	
XII.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
All NGT matters are being reviewed regularly under chairmanship of Hon'ble CS.Total 2 review meetings are conducted so far under the chairmanship of Hon'ble CS to monitor the progress with reference to the action plans submitted w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 673/2018and to resolve various issues/non -compliances. Last meeting was convened on 10/09/2020 under the chairmanship of Hon'ble Chief Secretary Gujarat State. Two review meetings have been convened so far w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 606/2018 which also includes the review of matters related to O.A. No.:-673/2018.	
XIII.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;
Details are attached as **Annexure – II**	
XIV.	Ground water regulation:
GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" Final comments /suggestions were sought by GWRDC vide letter dated 02/11/2020 from concerned departments for finalization of the draft bill. Seven meetings of sub-committee have been convened so far for finalization of the draft bill. The final draft bill was approved by the sub-committee during the meeting held on 12/11/2020 as per the minutes of meeting. The final draft of the bill has been submitted to the Chairman of the Committee and Special Secretary,	

(WR), Narmada Water Resource, Water Supply & Kalpsar department, Govt. of Gujarat, for consideration in the main committee meeting.	
XV.	Good irrigation practices being adopted by the State:
XVI.	Rain Water Harvesting:
XVII.	Demarcation of Floodplain and removal of illegal encroachments:
XVIII.	Maintaining minimum e-flow of river:
Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date is attached as **Annexure – III.**	
XIX.	Plantation activities along the rivers:
Details w.r.t point no. XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV**	
XX.	Development of biodiversity park:
As per the information received from GBB, vide letter dated 24.04.2020, Forest Dept. has established a very rich Botanical Garden at Waghai, Dangs. It also has a chain of Research Stations, Germ Plasms Banks, Provenance Banks, Sample Plots, Preservation Plots spread all over the State. Many working plans have Conservation or Preservation Working Circles for the express purpose of Biodiversity Conservation. The National Working Pan Code 2014 also mandates a Biodiversity Conservation Working Circle. All plans coming up for revision now shall have a Biodiversity Conservation Working Circle. Besides a host of Biodiversity based activities like Cactus Park, Ekta Van, Ekta Nursery, and Nutritional Park etc., have come up at Statue of Unity. Moreover, Shakkarbaug Zoo is an "A" Category zoological park along with many other zoological parks at Rajkot, Ahmedabad, Gandhinagar, Vadodara, Surat, Kevadiya etc. All these are repositories of biodiversity. Therefore, these may be treated as a Biodiversity park is totality. GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 Crore for the development of Biodiversity Park. Team suggested tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.	
XXI.	Reuse of Treated Water:
Details are attached as **Annexure – V**	
XXII.	Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:
River Sabarmati has been selected as model river stretch during the 9th RRC meeting held on	

27.11.2020.
XXIII. Status of Preparation of Action Plan by the 13 Coastal States:
Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms. STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.
XXIV. Regulation of Mining Activities in the State/UT:
Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.
XXV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring
• Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 . • Number of closure directions to defaulting units under section 31 A of Air Act – 1981: 5703 respectively. • Number of notice of directions to defaulting units under section 33 A of Water Act – 1974: 17263. • Number of closure directions to defaulting units under section 33 A of Water Act – 1974: 11383. • Number of notice of directions under rule 4(2) of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 4130 • Number of closure directions under section 5 of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 1583 (As per Annual report – 2018-19)

***Note: Incremental progress made by the State/UT in each activity to be provided.**

RRC meetings:

RRC meetings are regularly being held at GPCB, Gandhinagar to review the progress and the minutes of the meeting having progress status, is regularly submitted to CPCB. Last RRC (9^{th} RRC) meeting was conducted on 27/11/2020. Following are the gist of main points discussed during the meeting:

- Concerned departments / authorities/ organizations were asked to submit proposals with elongated /revised timeline for completion of the projects with the justification
- Concerned departments / authorities/ organizations were asked to furnish details of incremental progress of the projects & activities proposed under the Action Plans of Polluted River Stretches
- All the concerned Municipal Corporations & Nagapalikas were asked to submit the list of STPs not complying with the norms and proposals for up-gradation of the STPs not complying with the norms along with the timeline for completion of the same.
- GWSSB was asked to submit STP wise progress of land issues on monthly basis to RRC and GPCB.
- River Sabarmati has been selected as model river stretch.

STPs:

Not applicable. There is no discharge of domestic wastewater into this River stretch

CETPs:

Not applicable. There is no Industrial effluent discharge into this River stretch.

Annexure-I (A)

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
1	Ahmedabad Pirana 2009	60	60	Operational	Non Compliance	
2	Ahmedabad Old Pirana 2004	106	106	Operational	Non Compliance	SCN-587981
3	Ahmedabad Pirana 2009	180	180	Operational	Non Compliance	
4	Ahmedabad Vasna 2004	126	126	Operational	Non Compliance	
5	Ahmedabad Vasna 2009	35	35	Operational	Compliance	
6	Ahmedabad Vasna 2011	240	235	Operational	Compliance	
7	Ahmedabad Vinzol 2011	70	70	Operational	Compliance	
8	Ahmedabad Vasna 2018	48	48	Operational	Compliance	
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Compliance	
10	Ahmedabad Vinzol 2020	35	30	Operational	Compliance	
11	Ahmedabad Arvind Mill	8	8	Operational	Compliance	
12	Ahmedabad Rasala	1	1	Operational	Not in operation during site visit	
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Site not visited	Only obtained ID, Not applied for CTE/CCA
14	Ahmedabad V S Hospital	1	1	Operational	Compliance	
15	Ahmedabad Nikol	0.5	0.5	Operational	Details not available	
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Compliance	
17	Ahmedabad Lambha	5	2	Operational	Details not available	
18	Surat Singanpore 2003/2014	155	147.58	Operational	Compliance	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
19	Surat Karanj 1999/2015	140	136.59	Operational	Site not visited	
20	Surat Bhatar 1999/2014/2017	162	162	Operational	Site not visited	
21	Surat Anjana 1995/2007/2019	122	121	Operational	Site not visited	
22	Surat Bamroli 2008/2019	100	100	Operational	Non Compliance	SCN-591844
23	Surat Bhesan 1995/2009/2020	200 (100 existing + 100 proposed expansion)	120.52	Operational	Site not visited	
24	Surat Khajod 2011	25	24.20	Operational	Site not visited	
25	Surat Asarama 2011	15	15	Operational	Non Compliance	SCN-591208
26	Surat Dindoli 2012/2019	167	72.50	Operational	Site not visited	
27	Surat Variav-Kosad 2012/2017	134	131	Operational	Compliance	
28	Surat Gavier 2016	53	16	Operational	Non Compliance	SCN-589968
29	Vadodara Tarsali	52	58	Operational	Non Compliance	SCN-591157
30	Vadodara Gajarawadi	66	72	Operational	Non Compliance	SCN-591155
31	Vadodara Kapurai	43	50	Operational	Non Compliance	SCN-591156
32	Vadodara Rajivnagar	78	55	Operational	Compliance	
33	Vadodara Sayaji garden	8.5	7	Operational	Non Compliance	
34	Vadodara Channi	21	21	Operational	Non Compliance	SCN-590935
35	Vadodara Atladara (old)	43	51	Operational	Non Compliance	SCN-28/05/2021
36	Vadodara Atladara (new)	43	43	Operational	Non Compliance	SCN-28/05/2021

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
37	Gandhinagar Jaspur 2007	76	45	Operational	Non Compliance	SCN-589724
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Non Compliance	
39	Gandhinagar Basan 2011-12	2	1.0	Operational	Non Compliance	SCN-590220
40	Rajkot Nr Raiya village 2010	51	45	Operational	Site not visited	
41	Rajkot Raiyadhar 2017	56	35	Operational	Compliance	
42	Rajkot Nr Madhapar 2018	44.5	16	Operational	Non Compliance	
43	Rajkot Nr Kothariya Village 2017	15	9	Operational	Non Compliance	
44	Rajkot Gavaridad 2018	70	35	Operational	Non Compliance	
45	Rajkot Madhapar 2019	80	30	Operational	Non Compliance	SCN-5858200
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Site not visited	
47	Bhavnagar Behind Excel industries	45	40	Operational	Site not visited	
48	Jamnagar Navagam Ghed	70	70	Operational	Site not visited	
49	Gandhidham - Anjar	30.00	22	Operational	Site not visited	
50	Patan	25.00	13	Operational	Site not visited	
51	Nadiad	51.26	20	Operational	Not in operation	
52	Siddhpur	5.62	5	Operational	Oxidation pond	
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond	
54	Sanand	20.50	0	Non - Operational	Site not visited	
55	Himmatnagar	17.51	6	Operational	Site not visited	
56	Petlad	10.37	8	Operational	Non	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
					Compliance	
57	Dholka	13.60	8	Operational	Non Compliance	
58	Savarkundla	13.90	5	Operational	Oxidation pond	
59	Gadhda	6.50	2	Operational	Oxidation pond	
60	Kathlal	3.80	2.59	Operational	Oxidation pond	
61	Mahudha	2.10	1.76	Operational	Oxidation pond	
62	Bayad	4.00	2.06	Operational	Oxidation pond	
63	Patadi	2.80	1.33	Operational	Oxidation pond	
64	Sojitra	2.30	2	Operational	Oxidation pond	
65	Dwarka	7.50	2.28	Operational	Site not visited	Not obtained CTE/CCA
66	Godhra	27.60	4	Operational	Site not visited	
67	Bhuj	23.70	19	Operational	Non Compliance	Not obtained CTE/CCA
68	Bhachau	10	4	Operational	Non compliance	Not obtained CTE & CCA
69	Anand (Lambhvel)	33	9	Operational	Compliance	Not obtained CTE/CCA
70	Anand (TP-8)	13.5	2.5	Operational	Non Compliance	SCN-589391
71	Surendranagar	32.3	17	Operational	Compliance	
72	Valsad-1	20.2	2	Operational	Not in operation during site visit	
73	Morbi	28.8	6	Operational	Non Compliance	
Total		3598.86	2915.91			

New STPs under trail run.

74	Jasdan	8.80	4.0	Under trial run	
75	Tharad	4.80	2.5	Under trial run	
76	Dehgam	7.60	4.0	Under trial run	
77	Dhangadhra	11.60	1.04	Under trial run	
78	Porbandar	19.10	3.0	Under trial run	
79	Bardoli	11.30	0.0	Under trial run	
80	Vyara	6.50	1.50	Under trail run	
Total		69.7	16.04		

CTE: Consent to Establish, CC&A: Consolidated Consents and Authorization.

Annexure-I (B)

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1.	Ahmedabad Vinzol	100	95%	Completed	31/08/2021
2.	Ahmedabad Pirana	155	93%	Completed	31/08/2021
3.	Ahmedabad Maleksaban	30	30%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	02%	Completed	31/12//2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	SuratSinganpore	100	98%	Completed	31/07/2021
7.	SuratBhatar	115	74%	Completed	31/07/2021
8.	SuratBamroli	115	77%	Completed	28/02/2022
9.	SuratAsarma	22.5	54%	Completed	05/04/2022
10.	SuratKhajod	30	36%	Completed	30/11/2021
11.	Vadodara Kapurai	60	78%	85%	31/12/2021
12.	Vadodara Chhani	50	40%	Completed	31/12/2021
13.	Vadodara Bhayli	45	45%	Completed	28/02/2022
14.	Vadodara Sayaji garden	7.5	65%	Completed	28/02/2022
15.	Rajkot Kothariya, on NH bypass	15	25%	Completed	07/09/2021
16.	Bhavnagar Axcel Industries	50	42%	Completed	31/05/2022
17.	JunagadhBilkha Road, Near CBSE School	8.2	70%	Completed	03/09/2021
18.	Rajula	5.70	13%	Completed	31/10/2021
19.	Bagasara	5.90	14%	Completed	31/10/2021
20.	Chalala	2.80	90%	Completed	31/08/2021
21.	Mahuva	16.30	90%	Completed	31/08/2021
22.	Talaja	5.80	80%	Completed	31/08/2021
23.	Una	11.70	96%	Completed	31/08/2021
24.	Bantva	2.60	98%	Completed	31/08/2021
25.	Mansa	5.00	45%	Completed	31/08/2021
26.	Dhanera	4.00	48.00%	Completed	15/11/2021
27.	Bhabhar	3.50	45%	Completed	25/09/2021
28.	Thara	3.60	45%	Completed	15/11/2021
29.	Kadi	12.80	55%	Completed	05/09/2021
30.	Unjha	11.60	81%	Completed	31/08/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
31.	Visnagar-1	12.00	97.00%	Completed	31/07/2021
32.	Visnagar-2	5.30	75%	Completed	31/08/2021
33.	Kheralu	2.90	90%	Completed	10/11/2021
34.	Vijapur	4.10	50%	Completed	10/11/2021
35.	Radhanpur	6.00	15%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	13/06/2022
36.	Idar	7.40	91.00%	Completed	31/08/2021
37.	Khedbrahma	5.80	91.00%	Completed	31/08/2021
38.	Prantij	3.70	91%	Completed	31/08/2021
39.	Talod	3.60	17%	Completed	30/10/2021
40.	Vadali	3.80	5%	Completed	30/10/2021
41.	Jambusar	5.90	62%	Completed	16/10/2021
42.	Amod	3.10	62%	Completed	16/10/2021
43.	Bilimora	8.30	15%	Completed	04/03/2022
44.	Gandevi	2.60	20%	Completed	31/03/2022
45.	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
46.	Dharampur	4.10	62%	Completed	31/08/2021
47.	Borsad	9.80	95%	Completed	31/08/2021
48.	Umreth	6.10	61%	Completed	25/08/2021
49.	Dahod	13.70	98.00%	Completed	31/07/2021
50.	Zalod	4.60	95%	Completed	31/07/2021
51.	Devgadhbariya	3.80	79%	Completed	31/07/2021
52.	Santrampur	2.91	41%	Completed	21/09/2021
53.	Kalol (P)	4.77	55%	Completed	09/09/2021
54.	Shehra	2.80	26%	Completed	30/09/2021
55.	Chhotaudepur	5.00	96%	Completed	31/07/2021
56.	Padra	5.60	82%	Completed	20/08/2021
57.	Viramgam	4.50	85%	Completed	31/08/2021
58.	Bavla	5.80	35%	Completed	12/12/2021
59.	Dhandhuka	7.50	95%	Completed	31/07/2021
60.	Bareja	3.10	85%	Completed	31/07/2021
61.	Chaklasi	4.90	0.00%	Completed	31/03/2022
62.	Kapadwanj	6.20	32%	Completed	10/12/2021
63.	Mehmdabad	5.60	60%	Completed	17/11/2021
64.	Dakor	4.90	32%	Completed	10/12/2021
65.	Kheda	5.20	43%	Completed	17/11/2021
66.	Chotila-1	2.30	22%	Completed	30/09/2021
67.	Chotila-2	1.70	15.00%	Completed	30/09/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
68.	Wadhwan	12.10	0.00%	Completed	31/03/2022
69.	Barwala	2.90	14%	Completed	17/09/2021
70.	Harij	3.00	60%	Completed	31/12/2021
71.	Chanasma	2.50	0.00%	Completed	31/12/2021
72.	Ode	2.50	35%	Completed	09/09/2021
73.	Karjan	5.20	30%	Completed	09/12/2021
74.	Vadnagar	5.94	95.00%	Completed	30/09/2021
75.	Botad	32.00	86.00%	Completed	31/07/2021
76.	Morbi-2	9.30	95%	Completed	31/07/2021
77.	Jetpur	23.50	95%	Completed	31/07/2021
78.	Gondal	16.50	55%	Completed	30/09/2021
79.	Amreli	18.20	77.00%	Completed	31/07/2021
80.	Kalol	23.50	16.00%	Completed	30/06/2022
81.	Palanpur	21.30	3.00%	95%	30/06/2022
82.	Deesa	17.00	70.00%	Completed	30/09/2021
83.	Bharuch	29.32	82.00%	90%	30/09/2021
84.	Vapi-1	14.00	55.00%	Completed	30/09/2021
85.	Anand-3	6.50	95%	Completed	31/08/2021
86.	Porbandar-1	12.80	82.00%	Completed	31/08/2021
87.	Damnagar	2.80	0.00%	Completed	11/02/2022
88.	Lathi	3.80	0.00%	Completed	11/02/2022
89.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1536.64			

New STPs for which work order given.

90.	Bhavnagar Akwada	19.2	7%	Completed	31/12/2022
91.	Anklav	3.60	20%	Completed	04/03/2022
92.	Khambhat-1	6.80	2%	Completed	04/06/2022
93.	Khambhat-2	4.50	2%	Completed	04/06/2022
94.	Thangadh	9.00	0.00%	Completed	07/06/2022
95.	Balasinor	6.50	2%	Completed	22/04/2022
96.	Savli	2.5	5%	Completed	18/04/2022
97.	Dabhoi	8.96	1%	Completed	18/04/2022
98.	Kanjari	3.3	16%	Completed	18/04/2022
99.	Halvad	6.7	0.00%	Completed	17/07/2022
100.	Rajpipla	5.02	5%	Completed	17/07/2022
101.	Pardi	4.60	0.0%	Completed	14/06/2022
102.	Mandvi Surat	3.50	0.0%	Completed	15/06/2022
103.	Ankleshwar	14.0	0.0%	Completed	15/09/2022
104.	Umargam	6.48	0.0%	Completed	14/09/2022
105.	Karamsad	7.0	0.0%	Completed	14/09/2022
106.	Boriavi	3.30	2%	Completed	14/09/2022
107.	Lunavada	5.60	0.0%	Completed	16/09/2022

108.	Palitana	10.81	0.0%	Completed	31/03/2022
Total		131.37			

Total STPs under construction: 1536.64+131.37=1668.01 MLD

Annexure-I (C)

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1.	Ahmedabad Dafnala	25	LOI Given	31/12/2022
2.	Vadodara Tarsali	100	Revised DPR under scrutiny	31/12/2022
3.	Vadodara Atladara	83	Tender to be re- invited	31/12/2022
4.	Vadodara Gajarawadi	93	Revised DPR under scrutiny	31/12/2022
5.	GandhinagarSargasan	50	LOI Given	31/12/2022
6.	Jamnagar Nr Rangmati River	50	DPR Stage	31/12/2022
7.	Junagadh Kalva	15.50	Work order given	31/12/2022
8.	Junagadh Zanzarda	11.00	Work order given	31/12/2022
9.	Junagadh near Lol river	29.50	Work order given	31/12/2022
10.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
11.	Bhanvad	3.00	Tender under approval	31/03/2022
12.	Visavadar	3.40	Tender recently approved	31/03/2022
13.	Lunawada	5.60	Tender under approval	31/03/2022
14.	Okha	10.10	Tender under approval	31/03/2022
15.	Beyt (near Okha)	1.20	Tender under approval	31/03/2022
16.	Khambhalia	5.50	Tender under approval	31/03/2022
17.	Salaya, Jamnagar	6.20	Tender under approval	31/03/2022
18.	Jamjodhpur	3.60	Tender recently approved	31/03/2022
19.	Wankaner	5.80	Tender recently approved	31/03/2022
20.	Chhaya	13.10	Tender under approval	31/03/2022
21.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
22.	Veraval- Patan	33.90	Tender to be invited	31/03/2022
23.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
24.	Babra	4.00	Under Tender evaluation	31/12/2022

25.	Kodinar	5.60	Under Tender evaluation	31/12/2022
26.	Sutrapada	4.00	Tender tobe invited	31/12/2022
27.	Talala	3.80	Under Tender evaluation	31/12/2022
28.	Chorvad	3.70	Tender recently approved	31/12/2022
29.	Halol	11.60	Tender to be invited	31/12/2022
30.	Thasra	2.30	Tender to be invited	31/12/2022
31.	Mandvi-2 (Salaya)	3.20	Tender to be invited	31/12/2022
32.	Mandvi-1 (JT Grounds)	5.30	Tender to be invited	31/12/2022
33.	Jamraval	2.60	Tender to be invited	31/12/2022
34.	Dhrol	3.60	Under tender evaluation.	31/12/2022
35.	Kalavad	4.50	Tender under approval	31/12/2022
36.	Maliya	2.50	Tender to be invited	31/12/2022
37.	Kutiyana	2.90	Tender under approval	31/12/2022
38.	Ranavav-1 (Adityana)	3.00	Tender under approval	31/12/2022
39.	Ranavav-2	4.50	Tender under approval	31/12/2022
40.	Dhoraji	12.90	Tender recently approved	31/12/2022
41.	Bhayavadar	3.10	Tender to be invited	31/12/2022
42.	Manavadar	4.90	Tender recently approved	31/12/2022
43.	Pethapur	3.80	DPR stage	30/06/2022
44.	Sikka	2.90	Tender recently approved	31/12/2022
45.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
46.	Mahesana-1	23.18	Under Tender evaluation	31/03/2022
47.	Mahesana-2	18.46	Under Tender evaluation	31/03/2022
48.	Jafrabad	5.4	Tender online	31/12/2022
49.	Gariyadhar	7.1	Under Tender evaluation	31/12/2022
50.	Shihor	8.9	Under Tender evaluation	31/12/2022
51.	Mangrol	9.6	DPR/DTP stage	31/12/2022
52.	Vanthli	2.2	DPR/DTP stage	31/12/2022
53.	Modasa	12.0	Under Tender evaluation	31/12/2022
54.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
55.	Songadh	4.5	Tender recently approved	31/12/2022
56.	Limdi	7.4	DPR/DTP stage	31/12/2022
57.	Bhachau	1.0	Tender under approval	31/12/2022
58.	Rapar	5.2	Under tender	31/12/2022

			evaluation.	
59.	Upleta	8.9	DPR/DTP stage	31/12/2022
60.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		856.57		

Newly proposed STPs.

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
61.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
62.	Gandhinagar Bhat	30	DPR Stage	31/12/2022
63.	Rajkot Raiyadhar	8.0	Tender online	31/12/2022
Total		98		

Total of Proposed STPs= 856.57+98=954.57 MLD

Annexure-II

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river

Annexure-II (A)

Progress/Status Report of the River/PRS water quality Monitoring (May -2021):

Name of Location	Parameter					
	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Total coliform (MPN/ 100ml)	Fecal coliform (MPN/100 ml)
TriveniSangam	6.4	8.07	1.8	12.8	<1.8	<1.8

Note:- Does not fall in any Priority as per June-2020 to May-2021 MPRs.

Annexure-II (B)

STP & CETP results

STP Results: There is no discharge of domestic wastewater into this River stretch
CETP Results: There is no Industrial effluent discharge into this River stretch.

Annexure-III

Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date

Sr.No	River name	Details/Status
1	Triveni	1. Environmental flow: • Triveni stretch from Triveni Sangam to Badlapara is of Saraswati River from Badalpara to Triveni. Saraswati River is not a perennial river hence, there is no E-flow in lean season. The water is polluted at Triveni by pilgrims as they performs rituals in this reservoir. Hence, it is proposed to construct separate enclose for performing ritual by pilgrims and this will help in keeping the water of Triveni free from pollution. • There is no inflow from November to May in Sarasvati River, Sarasvati River is a local river, Tributary of Hiran River and there is no storage scheme on upstream of Badalpura on this stream hence it is not possible to maintain e-flow in this streach. 2. Detail of Good Irrigation Practices: • Saraswati is not a perennial river and there is no scheme for irrigation in this river. However, **26** Nos of Check dams are constructed on upstream side of Badalpara village which help in infiltering of rainwater into the ground the water table of surrounding area is replenished and the farmers are getting indirect benefits. 3. Detail on Flood Plain Management Zone: • The stretch of river Saraswati from Badalpara to Triveni is very near to Sea shore. The river Saraswati meets river Hiran near Triveni Sangam and the flood water is directly discharged to the Sea through Somnath Tidal Regulator downstream of Triveni.

Annexure-IV

Details w.r.t point no.XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/ River	**Existing plantation / vegetation cover details**	**Proposed plan to cover remaining gap along river/river stretch**	**Time limit**	**Remarks**
Triveni	About 11000 trees	0.10 lacs Plantation to be done in 2020-2021	2020-2021	As per AAP (Annexure A) for both side plantation on PRS during 2020-21.

Annexure – A

List of Polluted River Stretches of Gujarat (River Both side Plantation AAP in 2020-21)		
Sr. No.	River	Plants (In lakhs)
1.	Sabarmati	1.54
2.	Bhadar	0.20
3.	Amlakhadi	0.10
4.	Bhogavo	0.60
5.	Khari	0.02
6.	Vishwamitri	0.15
7.	Dhadhar	1.10
8.	Triveni	0.10
9.	Amravati	0.10
10.	Damanganga	0.25
11.	Kolak	0.25
12.	Mahi	0.20
13.	Shedhi	0.15
14.	Tapi	0.35
15.	Anas	0.05
16.	Baleshwar Khadi	0.02
17.	Kim	0.02
18.	Meshwo	0.40
19.	Mindhola	0.05
20.	Narmada	0.45
Total		6.10

Plantation of **6.91** lakh trees have been carried out on both the sides of polluted river stretches against the action plan for planting 6.10 lakh trees

Annexure-V

Details received from concerned department regarding reuse of treated wastewater

Treated waste water utilization policy:

- Gujarat Government has framed Policy for Reuse of "Treated Waste Water (TWW)" by maximising the collection and treatment of sewage generated and reusing the treated wastewater on a sustainable basis. In this regards, revised action plan has been submitted by Gujarat Water Supply and Sewerage Board (GWSSB) to Chairman, CPCB where one of the objectives of the revised action plan is to reuse 70% of treated wastewater by 2025 and 100% of treated wastewater by 2030.
- As per the details received from Gujarat Water Supply & Sewerage Board, Latest status of Treated waste water reuse in the State is as under:

	Status		
	TWW reuse started (MLD)	TWW reuse projects in tender/execution stage (MLD)	TWW reuse under planning (MLD)
Municipal Corporations	623.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**646.68**	**250**	**790.4**

Annexure-VI

Non-Complying / Partially non-complying CETPs
April- 2021

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	508
		BOD	30	42
2.	M/s. Odhav Enviro Project Ltd., Odhav, Ahmedabad	COD	250	407
		BOD	30	39
3.	M/s. Gujarat Vepari Maha Mandal Sahkari Udhyogik Vasahat Ltd, Ahmedabad	NH3-N	50	80.5
4.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	BOD	30	31
		NH3-N	50	130.2
5.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	420
		BOD	30	35
		SS	100	118
6.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	COD	250	1697
		BOD	30	321
		SS	100	326
7.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	891
		SS	100	156
		NH3-N	50	63.14
8.	M/s. Vinayak Jal SudhikaranSahakariMandali Ltd, Bavla, Ahmedabad	SS	100	164
9.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	138
10.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar.	COD	500	942
		NH_3-N	50	137.2
11.	M/s. Panoli Enviro Technology Ltd., GIDC-Panoli, Bharuch	SS	150	280
12.	M/s. Gujarat Eco Textile Park Pvt. Ltd, Palsana, Surat	SS	<60	98
13.	Vapi Green Enviro Ltd (VGEL, Vapi) (Old Name-Vapi Waste & Effluent Management Co. Ltd) (GPCB ID: 24764)	NH_3-N	50	80.5

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
14.	M/s. Sarigam Clean Initiative (Old Name-Gujarat Industrial Development Corporation), Sarigam.	SS	100	110
15.	M/s Jetpur Dying & Printing Association, Jetpur, Rajkot	COD	250	664
		BOD	100	212
16.	M/s. Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	151
		BOD	30	49
17.	M/s. Jay Khodiyar Enviro-Technologies Pvt. Ltd., Rajkot	PH	6.5 to 8.5	8.72
18.	M/s CETP of Dahej Industrial Estate	COD	250	544
		NH3-N	50	112

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Gujarat
Monthly Progress Report of PRS Amravati for May - 2021.

Overall status of the State:

I. Total Population: Urban Population – 2,57,45,083, Rural Population – 3,46,94,609 (Census - 2011)

II. Estimated Sewage Generation (MLD):4003 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): 73 nos, 3485 MLD
  [7 under construction STPs are now complete and are now under trial run i.e additional 183.56 MLD]
- Capacity Utilization of existing STPs: 2739 MLD
  [additional utilization capacity as on May 2021 – 192.95 MLD from existing + newly commissioned STPs]
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
  [334.44 MLD - Gap considering 3668.56 MLD treatment capacity i.e 3485 MLD + 183.56 MLD]
- No. of Operational STPs: 73 [80 as on May 2021]
- No. of Complying STPs: 15
- No. of Non-complying STPs: 27 (including STPs not obtained CTE & CCA)
- ULBs having Oxidation ponds: 9
- Site of the STPs not visited: 17
- STPs not in operation during the site visit:3
- Details of STPs not available: 2
- STPs just commissioned / under trial run: 7
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 16, ➢ Non complying: 18 (Please refer Annexure VI) *(as per CM dash board data for **April-2021**, available on Board's website)

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Gujarat	44143	Not available	Out of 12815 water polluting industries 12700 industries having ETP. 12551 ETPs are complying with norms.	Existing CETPs : 34 Propose/Under construction/under expansion: 19

V. Solid Waste Management:

Particulars	Data
Total number of Urban Local Bodies and their population	162
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF	• There are total No. 755 of Plants for Vermi / Aerobic/ anaerobic Composting of installed processing capacity 7477 TPD. • There are 232 plants Material Recovery Facilities (MRF) with processing capacity of 5441.93 TPD installed capacity. • There are 5 plants of RDF with processing of 1390.25 TPD. • Biogas 29 plants with capacity of 1086 TPD.
Action plan to bridge gap between installed capacity and current utilization of processing facilities (if gap > 20%)	Gap is less than 20% hence not applicable.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	There are 2 Processing plants C & D Waste with processing capacity of 1300 TPD.
Total no. of wards: no. of wards having door to door collection service: no. of wards practicing segregation at source falling into PRS:	1418 1418 Information not available
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Information not available
No. and area (in acres) of uncontrolled garbage dumpsites and sanitary landfills.	Information not available
No. and area (in acres) of legacy waste within 1km. buffer on both side of the PRS	Information not available
No. of drains falling into PRS and no. of drains having floating racks/screens installed to prevent solid waste from falling into PRS	Not provided, however in-situ remediation at Ankleshwar and Kheda municipalities are under implementation. It will be commenced in all 7 municipalities related to PRS within one month after positive results of technology.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Details are being prepared.					

VI. Bio-medical Waste Management:

- Total Bio-medical generation(Related to entire State): 36.42 MT/day

  Total Bio-medical generation(Related to PRS): 27.54 MT/day

- No. of Hospitals and Health Care Facilities(Related to entire State): 31286
  No. of Hospitals and Health Care Facilities(Related to PRS): 28399
- Status of Treatment Facility/ CBMWTF(Related to entire State)
  : Existing – 20, Proposed – 1
  Capacity – 126 MT/day
  Status of Treatment Facility/ CBMWTF(Related to PRS): Existing – 16
  Capacity – 108 MT/day

VII. Hazardous Waste Management:

- Total Hazardous Waste generation:2.5 to 2.7 MMT as per HW inventory which includes landfill, incineration, recycling and co-processing. (It depends upon the industrial operation of the year)
- No. of Industries generating Hazardous waste: About 19683 as per HW inventory 19-20
- Treatment Capacity of all TSDFs: Total installed capacity about 8626332MT
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated: 1.3 MMT as per HW inventory 19-20
- Details of on-going or proposed TSDF: 7 nos. proposed TSDF having total installed capacity about 36lac MT

VIII. Plastic Waste Management:

Details		Quantity/Capacity
• Plastic waste generated:		408201.08 TPA (April 2019-March 2020)
• Treatment/Measures adopted for reduction or management of Plastic waste:		
Disposal of Plastic Waste through	Co-processing	109157.435 MT (from April 2019 to August 2020)
	Recycler	Total no. recycling units: 597 Capacity of recycling plastic waste: 11,13,526.56 MT/Y
	Refuse Derived Fuel	MSW units : 2 Quantity of final product sold is 129,575 MT/Annum containing 7 % of plastic waste i.e. 9071 MT/Annum (April 2019-March 2020)
	Pyrolysis	Total no. of operational units: 2 Cap. to convert plastic waste into oil: 5075 TPA Plastic used as raw material: 600 MT/M

IX.	Details of Alternate Treatment Technology being adopted by the State/UT:

-Ahmedabad & Vadodara Municipal Corporations have set up dry sewage sludge hygienisation Cobalt – 60 gamma irradiation plant. (Ahmedabad Municipal Corporation - 100

tonnes per day) - Legacy waste treatment at Pirana dumping site, Ahmedabad.	
X.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment:
Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan. Proposal not received from PRH & RDD/ Concerned for in-situ remediation.	
XI.	Details of Nodal Officer appointed by Chief Secretary in the State/UT:
In compliance to the direction of Hon'ble NGT with reference to set up of Monitoring Mechanism, Deputy Environmental Engineer (ShriT.C.Patel) has been deputed vide letter dated 10.06.2020 at Chief Secretary office to look after the Hon'ble NGT matters.	
XII.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
All NGT matters are being reviewed regularly under chairmanship of Hon'ble CS.Total 2 review meetings are conducted so far under the chairmanship of Hon'ble CS to monitor the progress with reference to the action plans submitted w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 673/2018and to resolve various issues/non -compliances. Last meeting was convened on 10/09/2020 under the chairmanship of Hon'ble Chief Secretary Gujarat State. Two review meetings have been convened so far w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 606/2018 which also includes the review of matters related to O.A. No.:-673/2018.	
XIII.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;
Details are attached as **Annexure – II**	
XIV.	Ground water regulation:
GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" Final comments /suggestions were sought by GWRDC vide letter dated 02/11/2020 from concerned departments for finalization of the draft bill. Seven meetings of sub-committee have been convened so far for finalization of the draft bill. The final draft bill was approved by the sub-committee during the meeting held on 12/11/2020 as per the minutes of meeting. The final draft of the bill has been submitted to the Chairman of the Committee and Special Secretary, (WR), Narmada Water Resource, Water Supply &Kalpsar department, Govt. of Gujarat, for	

consideration in the main committee meeting.	
XV.	Good irrigation practices being adopted by the State:
XVI.	Rain Water Harvesting:
XVII.	Demarcation of Floodplain and removal of illegal encroachments:
XVIII.	Maintaining minimum e-flow of river:
Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date is attached as **Annexure – III.**	
XIX.	Plantation activities along the rivers:
Details w.r.t point no. XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV**	
XX.	Development of biodiversity park:
As per the information received from GBB, vide letter dated 24.04.2020, Forest Dept. has established a very rich Botanical Garden at Waghai, Dangs. It also has a chain of Research Stations, Germ Plasms Banks, Provenance Banks, Sample Plots, Preservation Plots spread all over the State. Many working plans have Conservation or Preservation Working Circles for the express purpose of Biodiversity Conservation. The National Working Pan Code 2014 also mandates a Biodiversity Conservation Working Circle. All plans coming up for revision now shall have a Biodiversity Conservation Working Circle. Besides a host of Biodiversity based activities like Cactus Park, Ekta Van, Ekta Nursery, and Nutritional Park etc., have come up at Statue of Unity. Moreover, Shakkarbaug Zoo is an "A" Category zoological park along with many other zoological parks at Rajkot, Ahmedabad, Gandhinagar, Vadodara, Surat, Kevadiya etc. All these are repositories of biodiversity. Therefore, these may be treated as a Biodiversity park is totality. GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 Crore for the development of Biodiversity Park. Team suggested tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.	
XXI.	Reuse of Treated Water:
Details are attached as **Annexure – V**	
XXII.	Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:
River Sabarmati has been selected as model river stretch during the 9thRRC meeting held on 27.11.2020.	

XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:

Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms.

STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.

XXIV.	Regulation of Mining Activities in the State/UT:

Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.

XXV.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring

- Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 .
- Number of closure directions to defaulting units under section 31 A of Air Act – 1981: 5703 respectively.
- Number of notice of directions to defaulting units under section 33 A of Water Act – 1974: 17263.
- Number of closure directions to defaulting units under section 33 A of Water Act – 1974: 11383.
- Number of notice of directions under rule 4(2) of the EPAct – 1986 read with Hazardous Waste (Management, Handling &Transboundary) Rules – 2008: 4130
- Number of closure directions under section 5 of the EPAct – 1986 read with Hazardous Waste (Management, Handling &Transboundary) Rules – 2008: 1583

(As per Annual report – 2018-19)

***Note: Incremental progress made by the State/UT in each activity to be provided.**

RRC meetings:

RRC meetings are regularly being held at GPCB, Gandhinagar to review the progress and the minutes of the meeting having progress status, is regularly submitted to CPCB. Last RRC (9^{th} RRC) meeting was conducted on 27/11/2020. Following are the gist of main points discussed during the meeting:

- Concerned departments / authorities/ organizations were asked to submit proposals with elongated /revised timeline for completion of the projects with the justification
- Concerned departments / authorities/ organizations were asked to furnish details of incremental progress of the projects & activities proposed under the Action Plans of Polluted River Stretches
- All the concerned Municipal Corporations & Nagapalikas were asked to submit the list of STPs not complying with the norms and proposals for up-gradation of the STPs not complying with the norms along with the timeline for completion of the same.
- GWSSB was asked to submit STP wise progress of land issues on monthly basis to RRC and GPCB.
- River Sabarmati has been selected as model river stretch.

STPs: A meeting was held on 13/01/2021 under the chairmanship of ACS PRH&RDD for management of sewage, from villages being discharged in to the 6 PRS. During the meeting, looking to the magnitude & importance of the work, it was decided to seek the extension of time limit for further 3 years.

CETPs:

There is no Industry in the vicinity of River Amravati and there is no discharge of industrial effluent in to Amravati river.

Annexure-I (A)

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
1	Ahmedabad Pirana 2009	60	60	Operational	Non Compliance	
2	Ahmedabad Old Pirana 2004	106	106	Operational	Non Compliance	SCN-587981
3	Ahmedabad Pirana 2009	180	180	Operational	Non Compliance	
4	Ahmedabad Vasna 2004	126	126	Operational	Non Compliance	
5	Ahmedabad Vasna 2009	35	35	Operational	Compliance	
6	Ahmedabad Vasna 2011	240	235	Operational	Compliance	
7	Ahmedabad Vinzol 2011	70	70	Operational	Compliance	
8	Ahmedabad Vasna 2018	48	48	Operational	Compliance	
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Compliance	
10	Ahmedabad Vinzol 2020	35	30	Operational	Compliance	
11	Ahmedabad Arvind Mill	8	8	Operational	Compliance	
12	Ahmedabad Rasala	1	1	Operational	Not in operation during site visit	
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Site not visited	Only obtained ID, Not applied for CTE/CCA
14	Ahmedabad V S Hospital	1	1	Operational	Compliance	
15	Ahmedabad Nikol	0.5	0.5	Operational	Details not available	
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Compliance	
17	Ahmedabad Lambha	5	2	Operational	Details not available	
18	Surat Singanpore	155	147.58	Operational	Compliance	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
	2003/2014					
19	Surat Karanj 1999/2015	140	136.59	Operational	Site not visited	
20	Surat Bhatar 1999/2014/2017	162	162	Operational	Site not visited	
21	Surat Anjana 1995/2007/2019	122	121	Operational	Site not visited	
22	Surat Bamroli 2008/2019	100	100	Operational	Non Compliance	SCN-591844
23	Surat Bhesan 1995/2009/2020	200 (100 existing + 100 proposed expansion)	120.52	Operational	Site not visited	
24	Surat Khajod 2011	25	24.20	Operational	Site not visited	
25	Surat Asarama 2011	15	15	Operational	Non Compliance	SCN-591208
26	Surat Dindoli 2012/2019	167	72.50	Operational	Site not visited	
27	Surat Variav-Kosad 2012/2017	134	131	Operational	Compliance	
28	Surat Gavier 2016	53	16	Operational	Non Compliance	SCN-589968
29	Vadodara Tarsali	52	58	Operational	Non Compliance	SCN-591157
30	Vadodara Gajarawadi	66	72	Operational	Non Compliance	SCN-591155
31	Vadodara Kapurai	43	50	Operational	Non Compliance	SCN-591156
32	Vadodara Rajivnagar	78	55	Operational	Compliance	
33	Vadodara Sayaji garden	8.5	7	Operational	Non Compliance	
34	Vadodara Channi	21	21	Operational	Non Compliance	SCN-590935

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
35	Vadodara Atladara (old)	43	51	Operational	Non Compliance	SCN-28/05/2021
36	Vadodara Atladara (new)	43	43	Operational	Non Compliance	SCN-28/05/2021
37	Gandhinagar Jaspur 2007	76	45	Operational	Non Compliance	SCN-589724
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Non Compliance	
39	Gandhinagar Basan 2011-12	2	1.0	Operational	Non Compliance	SCN-590220
40	Rajkot Nr Raiya village 2010	51	45	Operational	Site not visited	
41	Rajkot Raiyadhar 2017	56	35	Operational	Compliance	
42	Rajkot Nr Madhapar 2018	44.5	16	Operational	Non Compliance	
43	Rajkot Nr Kothariya Village 2017	15	9	Operational	Non Compliance	
44	Rajkot Gavaridad 2018	70	35	Operational	Non Compliance	
45	Rajkot Madhapar 2019	80	30	Operational	Non Compliance	SCN-5858200
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Site not visited	
47	Bhavnagar Behind Excel industries	45	40	Operational	Site not visited	
48	Jamnagar Navagam Ghed	70	70	Operational	Site not visited	
49	Gandhidham - Anjar	30.00	22	Operational	Site not visited	
50	Patan	25.00	13	Operational	Site not visited	
51	Nadiad	51.26	20	Operational	Not in operation	
52	Siddhpur	5.62	5	Operational	Oxidation pond	
53	Vallabh	15.00	12	Operational	Oxidation pond	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
	Vidhyanagar					
54	Sanand	20.50	0	Non - Operational	Site not visited	
55	Himmatnagar	17.51	6	Operational	Site not visited	
56	Petlad	10.37	8	Operational	Non Compliance	
57	Dholka	13.60	8	Operational	Non Compliance	
58	Savarkundla	13.90	5	Operational	Oxidation pond	
59	Gadhda	6.50	2	Operational	Oxidation pond	
60	Kathlal	3.80	2.59	Operational	Oxidation pond	
61	Mahudha	2.10	1.76	Operational	Oxidation pond	
62	Bayad	4.00	2.06	Operational	Oxidation pond	
63	Patadi	2.80	1.33	Operational	Oxidation pond	
64	Sojitra	2.30	2	Operational	Oxidation pond	
65	Dwarka	7.50	2.28	Operational	Site not visited	Not obtained CTE/CCA
66	Godhra	27.60	4	Operational	Site not visited	
67	Bhuj	23.70	19	Operational	Non Compliance	Not obtained CTE/CCA
68	Bhachau	10	4	Operational	Non compliance	Not obtained CTE & CCA
69	Anand (Lambhvel)	33	9	Operational	Compliance	Not obtained CTE/CCA
70	Anand (TP-8)	13.5	2.5	Operational	Non Compliance	SCN-589391
71	Surendranagar	32.3	17	Operational	Compliance	
72	Valsad-1	20.2	2	Operational	Not in operation during site visit	
73	Morbi	28.8	6	Operational	Non Compliance	
Total		3598.86	2915.91			

New STPs under trail run.

74	Jasdan	8.80	4.0	Under trial run	
75	Tharad	4.80	2.5	Under trial run	
76	Dehgam	7.60	4.0	Under trial run	
77	Dhangadhra	11.60	1.04	Under trial run	
78	Porbandar	19.10	3.0	Under trial run	
79	Bardoli	11.30	0.0	Under trial run	
80	Vyara	6.50	1.50	Under trail run	
Total		69.7	16.04		

CTE: Consent to Establish, CC&A: Consolidated Consents and Authorization.

Annexure-I (B)

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1.	Ahmedabad Vinzol	100	95%	Completed	31/08/2021
2.	Ahmedabad Pirana	155	93%	Completed	31/08/2021
3.	Ahmedabad Maleksaban	30	30%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	02%	Completed	31/12//2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	SuratSinganpore	100	98%	Completed	31/07/2021
7.	SuratBhatar	115	74%	Completed	31/07/2021
8.	SuratBamroli	115	77%	Completed	28/02/2022
9.	SuratAsarma	22.5	54%	Completed	05/04/2022
10.	SuratKhajod	30	36%	Completed	30/11/2021
11.	Vadodara Kapurai	60	78%	85%	31/12/2021
12.	Vadodara Chhani	50	40%	Completed	31/12/2021
13.	Vadodara Bhayli	45	45%	Completed	28/02/2022
14.	Vadodara Sayaji garden	7.5	65%	Completed	28/02/2022
15.	Rajkot Kothariya, on NH bypass	15	25%	Completed	07/09/2021
16.	Bhavnagar Axcel Industries	50	42%	Completed	31/05/2022
17.	JunagadhBilkha Road, Near CBSE School	8.2	70%	Completed	03/09/2021
18.	Rajula	5.70	13%	Completed	31/10/2021
19.	Bagasara	5.90	14%	Completed	31/10/2021
20.	Chalala	2.80	90%	Completed	31/08/2021
21.	Mahuva	16.30	90%	Completed	31/08/2021
22.	Talaja	5.80	80%	Completed	31/08/2021
23.	Una	11.70	96%	Completed	31/08/2021
24.	Bantva	2.60	98%	Completed	31/08/2021
25.	Mansa	5.00	45%	Completed	31/08/2021
26.	Dhanera	4.00	48.00%	Completed	15/11/2021
27.	Bhabhar	3.50	45%	Completed	25/09/2021
28.	Thara	3.60	45%	Completed	15/11/2021
29.	Kadi	12.80	55%	Completed	05/09/2021
30.	Unjha	11.60	81%	Completed	31/08/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
31.	Visnagar-1	12.00	97.00%	Completed	31/07/2021
32.	Visnagar-2	5.30	75%	Completed	31/08/2021
33.	Kheralu	2.90	90%	Completed	10/11/2021
34.	Vijapur	4.10	50%	Completed	10/11/2021
35.	Radhanpur	6.00	15%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	13/06/2022
36.	Idar	7.40	91.00%	Completed	31/08/2021
37.	Khedbrahma	5.80	91.00%	Completed	31/08/2021
38.	Prantij	3.70	91%	Completed	31/08/2021
39.	Talod	3.60	17%	Completed	30/10/2021
40.	Vadali	3.80	5%	Completed	30/10/2021
41.	Jambusar	5.90	62%	Completed	16/10/2021
42.	Amod	3.10	62%	Completed	16/10/2021
43.	Bilimora	8.30	15%	Completed	04/03/2022
44.	Gandevi	2.60	20%	Completed	31/03/2022
45.	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
46.	Dharampur	4.10	62%	Completed	31/08/2021
47.	Borsad	9.80	95%	Completed	31/08/2021
48.	Umreth	6.10	61%	Completed	25/08/2021
49.	Dahod	13.70	98.00%	Completed	31/07/2021
50.	Zalod	4.60	95%	Completed	31/07/2021
51.	Devgadhbariya	3.80	79%	Completed	31/07/2021
52.	Santrampur	2.91	41%	Completed	21/09/2021
53.	Kalol (P)	4.77	55%	Completed	09/09/2021
54.	Shehra	2.80	26%	Completed	30/09/2021
55.	Chhotaudepur	5.00	96%	Completed	31/07/2021
56.	Padra	5.60	82%	Completed	20/08/2021
57.	Viramgam	4.50	85%	Completed	31/08/2021
58.	Bavla	5.80	35%	Completed	12/12/2021
59.	Dhandhuka	7.50	95%	Completed	31/07/2021
60.	Bareja	3.10	85%	Completed	31/07/2021
61.	Chaklasi	4.90	0.00%	Completed	31/03/2022
62.	Kapadwanj	6.20	32%	Completed	10/12/2021
63.	Mehmdabad	5.60	60%	Completed	17/11/2021
64.	Dakor	4.90	32%	Completed	10/12/2021
65.	Kheda	5.20	43%	Completed	17/11/2021
66.	Chotila-1	2.30	22%	Completed	30/09/2021
67.	Chotila-2	1.70	15.00%	Completed	30/09/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
68.	Wadhwan	12.10	0.00%	Completed	31/03/2022
69.	Barwala	2.90	14%	Completed	17/09/2021
70.	Harij	3.00	60%	Completed	31/12/2021
71.	Chanasma	2.50	0.00%	Completed	31/12/2021
72.	Ode	2.50	35%	Completed	09/09/2021
73.	Karjan	5.20	30%	Completed	09/12/2021
74.	Vadnagar	5.94	95.00%	Completed	30/09/2021
75.	Botad	32.00	86.00%	Completed	31/07/2021
76.	Morbi-2	9.30	95%	Completed	31/07/2021
77.	Jetpur	23.50	95%	Completed	31/07/2021
78.	Gondal	16.50	55%	Completed	30/09/2021
79.	Amreli	18.20	77.00%	Completed	31/07/2021
80.	Kalol	23.50	16.00%	Completed	30/06/2022
81.	Palanpur	21.30	3.00%	95%	30/06/2022
82.	Deesa	17.00	70.00%	Completed	30/09/2021
83.	Bharuch	29.32	82.00%	90%	30/09/2021
84.	Vapi-1	14.00	55.00%	Completed	30/09/2021
85.	Anand-3	6.50	95%	Completed	31/08/2021
86.	Porbandar-1	12.80	82.00%	Completed	31/08/2021
87.	Damnagar	2.80	0.00%	Completed	11/02/2022
88.	Lathi	3.80	0.00%	Completed	11/02/2022
89.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1536.64			

New STPs for which work order given.

90.	Bhavnagar Akwada	19.2	7%	Completed	31/12/2022
91.	Anklav	3.60	20%	Completed	04/03/2022
92.	Khambhat-1	6.80	2%	Completed	04/06/2022
93.	Khambhat-2	4.50	2%	Completed	04/06/2022
94.	Thangadh	9.00	0.00%	Completed	07/06/2022
95.	Balasinor	6.50	2%	Completed	22/04/2022
96.	Savli	2.5	5%	Completed	18/04/2022
97.	Dabhoi	8.96	1%	Completed	18/04/2022
98.	Kanjari	3.3	16%	Completed	18/04/2022
99.	Halvad	6.7	0.00%	Completed	17/07/2022
100.	Rajpipla	5.02	5%	Completed	17/07/2022
101.	Pardi	4.60	0.0%	Completed	14/06/2022
102.	Mandvi Surat	3.50	0.0%	Completed	15/06/2022
103.	Ankleshwar	14.0	0.0%	Completed	15/09/2022
104.	Umargam	6.48	0.0%	Completed	14/09/2022
105.	Karamsad	7.0	0.0%	Completed	14/09/2022
106.	Boriavi	3.30	2%	Completed	14/09/2022
107.	Lunavada	5.60	0.0%	Completed	16/09/2022

108.	Palitana	10.81	0.0%	Completed	31/03/2022
Total		131.37			

Total STPs under construction: 1536.64+131.37=1668.01 MLD

Annexure-I (C)

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1.	Ahmedabad Dafnala	25	LOI Given	31/12/2022
2.	Vadodara Tarsali	100	Revised DPR under scrutiny	31/12/2022
3.	Vadodara Atladara	83	Tender to be re- invited	31/12/2022
4.	Vadodara Gajarawadi	93	Revised DPR under scrutiny	31/12/2022
5.	GandhinagarSargasan	50	LOI Given	31/12/2022
6.	Jamnagar Nr Rangmati River	50	DPR Stage	31/12/2022
7.	Junagadh Kalva	15.50	Work order given	31/12/2022
8.	Junagadh Zanzarda	11.00	Work order given	31/12/2022
9.	Junagadh near Lol river	29.50	Work order given	31/12/2022
10.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
11.	Bhanvad	3.00	Tender under approval	31/03/2022
12.	Visavadar	3.40	Tender recently approved	31/03/2022
13.	Lunawada	5.60	Tender under approval	31/03/2022
14.	Okha	10.10	Tender under approval	31/03/2022
15.	Beyt (near Okha)	1.20	Tender under approval	31/03/2022
16.	Khambhalia	5.50	Tender under approval	31/03/2022
17.	Salaya, Jamnagar	6.20	Tender under approval	31/03/2022
18.	Jamjodhpur	3.60	Tender recently approved	31/03/2022
19.	Wankaner	5.80	Tender recently approved	31/03/2022
20.	Chhaya	13.10	Tender under approval	31/03/2022
21.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
22.	Veraval- Patan	33.90	Tender to be invited	31/03/2022
23.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
24.	Babra	4.00	Under Tender evaluation	31/12/2022

25.	Kodinar	5.60	Under Tender evaluation	31/12/2022
26.	Sutrapada	4.00	Tender tobe invited	31/12/2022
27.	Talala	3.80	Under Tender evaluation	31/12/2022
28.	Chorvad	3.70	Tender recently approved	31/12/2022
29.	Halol	11.60	Tender to be invited	31/12/2022
30.	Thasra	2.30	Tender to be invited	31/12/2022
31.	Mandvi-2 (Salaya)	3.20	Tender to be invited	31/12/2022
32.	Mandvi-1 (JT Grounds)	5.30	Tender to be invited	31/12/2022
33.	Jamraval	2.60	Tender to be invited	31/12/2022
34.	Dhrol	3.60	Under tender evaluation.	31/12/2022
35.	Kalavad	4.50	Tender under approval	31/12/2022
36.	Maliya	2.50	Tender to be invited	31/12/2022
37.	Kutiyana	2.90	Tender under approval	31/12/2022
38.	Ranavav-1 (Adityana)	3.00	Tender under approval	31/12/2022
39.	Ranavav-2	4.50	Tender under approval	31/12/2022
40.	Dhoraji	12.90	Tender recently approved	31/12/2022
41.	Bhayavadar	3.10	Tender to be invited	31/12/2022
42.	Manavadar	4.90	Tender recently approved	31/12/2022
43.	Pethapur	3.80	DPR stage	30/06/2022
44.	Sikka	2.90	Tender recently approved	31/12/2022
45.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
46.	Mahesana-1	23.18	Under Tender evaluation	31/03/2022
47.	Mahesana-2	18.46	Under Tender evaluation	31/03/2022
48.	Jafrabad	5.4	Tender online	31/12/2022
49.	Gariyadhar	7.1	Under Tender evaluation	31/12/2022
50.	Shihor	8.9	Under Tender evaluation	31/12/2022
51.	Mangrol	9.6	DPR/DTP stage	31/12/2022
52.	Vanthli	2.2	DPR/DTP stage	31/12/2022
53.	Modasa	12.0	Under Tender evaluation	31/12/2022
54.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
55.	Songadh	4.5	Tender recently approved	31/12/2022
56.	Limdi	7.4	DPR/DTP stage	31/12/2022
57.	Bhachau	1.0	Tender under approval	31/12/2022
58.	Rapar	5.2	Under tender	31/12/2022

			evaluation.	
59.	Upleta	8.9	DPR/DTP stage	31/12/2022
60.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		856.57		

Newly proposed STPs.

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
61.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
62.	Gandhinagar Bhat	30	DPR Stage	31/12/2022
63.	Rajkot Raiyadhar	8.0	Tender online	31/12/2022
Total		98		

Total of Proposed STPs= 856.57+98=954.57 MLD

Annexure-II

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river

Annexure-II (A)

Progress/Status Report of the River/PRS water quality monitoring for the Month May -2021:

Location ID	Name of Location	Parameter					
		DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Total coliform (MPN/ 100ml)	Fecal coliform (MPN/100 ml)
43527	At village Dadhal	8.01	7.48	1.46	8	94	27

Annexure-II(B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River for May-2021:

Location ID	Name of Location	Parameter										
		pH	BOD (mg/l)	COD (mg/l)	Cu mg/l	T.Cr. mg/l	H.Cr. mg/l	Fe mg/l	Pb mg/l	Mn mg/l	Ni mg/l	Zn mg/l
50637	Jitali Water works	7.63	<5	5	0.004	BDL	BDL	0.074	0.071	Not analysed	0.018	0.015

Annexure-II (C)

Drains Details with Flow:

Sr. No	Location	Name of Inletting River/Drain	Discharge *(Cusec)	
			Max	Min
1	Limbet Gram Panchayat- Ta. Jhagadia	Domestic w/w drain pipe line outlet in to River Amravati	0.1878	0.1
2	Hirapor GramPanchayat- Ta. Valia	Domestic w/w drain pipe line outlet in to River Amravati	0.2120	0.1
3	Sangpur Gram Panchayat- Ta. Ankleshwar	Domestic w/w drain pipe line outlet in to River Amravati	0.2884	0.2
4	Pardi (Pardi-Piplod Group Gram Panchayat)- Ta. Ankleshwar	Domestic w/w drain pipe line outlet of Pardi in to River Amravati	0.0633	0.03
5	Piprod (Pardi-Piplod Group Gram Panchayat)- Ta. Ankleshwar	Domestic w/w drain pipe line outlet of Piprod in to River Amravati	0.0656	0.03
6	Avadar Gram Panchayat- Ta. Ankleshwar	Domestic w/w drain pipe line outlet in to River Amravati	0.1440	0.1
7.	Dadhal Gram Panchayat- Ta. Ankleshwar	Domestic w/w drain pipe line outlet in to River Amravati	0.3991	0.4

Annexure-II (D)

STP & CETP results

Not Applicable

Annexure-III

Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date

Sr.No	River name	Details/Status
1	Amravati	1. Environmental flow: • 1360 cusecs in lean period. • There is no inflow from March to May in Amravari River. Hence there is no question of releasing water during above period. However during March to May average flow in river is 1360 cusecs. Hence the question for proposed new plan toachieve min e-flow does notarise. 2. Detail of Good Irrigation Practices: • General government of irrigation is maintained in command area of Karjan Project. • Farmers are made aware to use water optimally. Excess water flow from B-3 branch canal of Karjan reservoir project escape at ch 2525 vill. Dharoli irrigation rotation period. • As such no water logging issues are notice due to irrigation commandarea. 3. Detail on Flood Plain Management Zone: • NIL

Annexure-IV

Details w.r.t point no. XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/ River	**Existing plantation / vegetation cover details**	**Proposed plan to cover remaining gap along river/river stretch**	**Time limit**	**Remarks**
Amravati (Dadhal to Ankleshwar) 8.00 Km	1200 trees	0.10 lakh plants	2020-21	As per AAP (Annexure A) for both side plantation on PRS during 2020-21.

Annexure – A

List of Polluted River Stretches of Gujarat (River Both side Plantation AAP in 2020-21)		
Sr. No.	River	Plants (In lakhs)
1.	Sabarmati	1.54
2.	Bhadar	0.20
3.	Amlakhadi	0.10
4.	Bhogavo	0.60
5.	Khari	0.02
6.	Vishwamitri	0.15
7.	Dhadhar	1.10
8.	Triveni	0.10
9.	Amravati	0.10
10.	Damanganga	0.25
11.	Kolak	0.25
12.	Mahi	0.20
13.	Shedhi	0.15
14.	Tapi	0.35
15.	Anas	0.05
16.	Baleshwar Khadi	0.02
17.	Kim	0.02
18.	Meshwo	0.40
19.	Mindhola	0.05
20.	Narmada	0.45
Total		6.10

Plantation of **6.91** lakh trees have been carried out on both the sides of polluted river stretches against the action plan for planting 6.10 lakh trees

Annexure-V

Details received from concerned department regarding reuse of treated wastewater

Treated waste water utilization policy:

- Gujarat Government has framed Policy for Reuse of "Treated Waste Water (TWW)" by maximising the collection and treatment of sewage generated and reusing the treated wastewater on a sustainable basis. In this regards, revised action plan has been submitted by Gujarat Water Supply and Sewerage Board (GWSSB) to Chairman, CPCB where one of the objectives of the revised action plan is to reuse 70% of treated wastewater by 2025 and 100% of treated wastewater by 2030.
- As per the details received from Gujarat Water Supply & Sewerage Board, Latest status of Treated waste water reuse in the State is as under:

	Status		
	TWW reuse started (MLD)	TWW reuse projects in tender/execution stage (MLD)	TWW reuse under planning (MLD)
Municipal Corporations	623.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**646.68**	**250**	**790.4**

Annexure-VI

Non-Complying / Partially non-complying CETPs
April- 2021

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	508
		BOD	30	42
2.	M/s. Odhav Enviro Project Ltd., Odhav, Ahmedabad	COD	250	407
		BOD	30	39
3.	M/s. Gujarat Vepari Maha Mandal Sahkari Udhyogik Vasahat Ltd, Ahmedabad	NH3-N	50	80.5
4.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	BOD	30	31
		NH3-N	50	130.2
5.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	420
		BOD	30	35
		SS	100	118
6.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	COD	250	1697
		BOD	30	321
		SS	100	326
7.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	891
		SS	100	156
		NH3-N	50	63.14
8.	M/s. Vinayak Jal SudhikaranSahakariMandali Ltd, Bavla, Ahmedabad	SS	100	164
9.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	138
10.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar.	COD	500	942
		NH_3-N	50	137.2
11.	M/s. Panoli Enviro Technology Ltd., GIDC-Panoli, Bharuch	SS	150	280
12.	M/s. Gujarat Eco Textile Park Pvt. Ltd, Palsana, Surat	SS	<60	98
13.	Vapi Green Enviro Ltd (VGEL, Vapi) (Old Name-Vapi Waste & Effluent Management Co. Ltd) (GPCB ID: 24764)	NH_3-N	50	80.5

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
14.	M/s. Sarigam Clean Initiative (Old Name-Gujarat Industrial Development Corporation), Sarigam.	SS	100	110
15.	M/s Jetpur Dying & Printing Association, Jetpur, Rajkot	COD	250	664
		BOD	100	212
16.	M/s. Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	151
		BOD	30	49
17.	M/s. Jay Khodiyar Enviro-Technologies Pvt. Ltd., Rajkot	PH	6.5 to 8.5	8.72
18.	M/s CETP of Dahej Industrial Estate	COD	250	544
		NH3-N	50	112

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Gujarat

Monthly Progress Report of PRS Damanganga for May - 2021.

Overall status of the State:

I. Total Population: Urban Population – 2,57,45,083, Rural Population – 3,46,94,609 (Census - 2011)

II. Estimated Sewage Generation (MLD):4003 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): 73 nos, 3485 MLD
  [7 under construction STPs are now complete and are now under trial run i.e additional 183.56 MLD]
- Capacity Utilization of existing STPs: 2739 MLD
  [additional utilization capacity as on May 2021 – 192.95 MLD from existing + newly commissioned STPs]
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
  [334.44 MLD - Gap considering 3668.56 MLD treatment capacity i.e 3485 MLD + 183.56 MLD]
- No. of Operational STPs: 73 [80 as on May 2021]
- No. of Complying STPs: 15
- No. of Non-complying STPs: 27 (including STPs not obtained CTE & CCA)
- ULBs having Oxidation ponds: 9
- Site of the STPs not visited: 17
- STPs not in operation during the site visit:3
- Details of STPs not available: 2
- STPs just commissioned / under trial run: 7
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 16, ➢ Non complying: 18 (Please refer Annexure VI) *(as per CM dash board data for **April-2021**, available on Board's website)

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Gujarat	44143	Not available	Out of 12815 water polluting industries 12700 industries having ETP. 12551 ETPs are complying with norms.	Existing CETPs : 34 Propose/Under construction/under expansion: 19

V. Solid Waste Management:

Particulars	Data
Total number of Urban Local Bodies and their population	162
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF	• There are total No. 755 of Plants for Vermi / Aerobic/ anaerobic Composting of installed processing capacity 7477 TPD. • There are 232 plants Material Recovery Facilities (MRF) with processing capacity of 5441.93 TPD installed capacity. • There are 5 plants of RDF with processing of 1390.25 TPD. • Biogas 29 plants with capacity of 1086 TPD.
Action plan to bridge gap between installed capacity and current utilization of processing facilities (if gap > 20%)	Gap is less than 20% hence not applicable.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	There are 2 Processing plants C & D Waste with processing capacity of 1300 TPD.
Total no. of wards: no. of wards having door to door collection service: no. of wards practicing segregation at source falling into PRS:	1418 1418 Information not available
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Information not available
No. and area (in acres) of uncontrolled garbage dumpsites and sanitary landfills.	Information not available
No. and area (in acres) of legacy waste within 1km. buffer on both side of the PRS	Information not available
No. of drains falling into PRS and no. of drains having floating racks/screens installed to prevent solid waste from falling into PRS	Not provided, however in-situ remediation at Ankleshwar and Kheda municipalities are under implementation. It will be commenced in all 7 municipalities related to PRS within one month after positive results of technology.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Details are being prepared.					

VI. Bio-medical Waste Management:

- Total Bio-medical generation(Related to entire State): 36.42 MT/day
  Total Bio-medical generation(Related to PRS): 27.54 MT/day
- No. of Hospitals and Health Care Facilities(Related to entire State): 31286
  No. of Hospitals and Health Care Facilities(Related to PRS): 28399
- Status of Treatment Facility/ CBMWTF(Related to entire State)
  : Existing – 20, Proposed – 1
  Capacity – 126 MT/day
  Status of Treatment Facility/ CBMWTF(Related to PRS): Existing – 16
  Capacity – 108 MT/day

VII. Hazardous Waste Management:

- Total Hazardous waste generation: 2.5 to 2.7 MMT as per HW inventory which includes landfill, incineration, recycling and co-processing. (It depends upon the industrial operation of the year)
- No. of Industries generating Hazardous waste : About 19683 as per HW inventory 19-20
- Treatment capacity of all TSDFs: Total installed capacity about 8626332MT
- Avg. quantity of HW reaching TSDF and treated : 1.3 MMT as per HW inventory 19-20
- Details of ongoing or proposed TSDF: 7 no. proposed TSDF having total installed capacity about 36lac MT

VIII. Plastic Waste Management:

Details		Quantity/Capacity
• Plastic waste generated:		408201.08 TPA (April 2019-March 2020)
• Treatment/Measures adopted for reduction or management of Plastic waste:		
Disposal of Plastic Waste through	Co-processing	109157.435 MT (from April 2019 to August 2020)
	Recycler	Total no. recycling units: 597 Capacity of recycling plastic waste: 11,13,526.56 MT/Y
	Refuse Derived Fuel	MSW units : 2 Quantity of final product sold is 129,575 MT/Annum containing 7 % of plastic waste i.e. 9071 MT/Annum (April 2019-March 2020)

	Pyrolysis	Total no. of operational units: 2 Cap. to convert plastic waste into oil: 5075 TPA Plastic used as raw material: 600 MT/M

IX.	Details of Alternate Treatment Technology being adopted by the State/UT:
-Ahmedabad & Vadodara Municipal Corporations have set up dry sewage sludge hygienisation Cobalt – 60 gamma irradiation plant. (Ahmedabad Municipal Corporation - 100 tonnes per day) - Legacy waste treatment at Pirana dumping site, Ahmedabad.	
X.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment:
Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan. Proposal not received from PRH & RDD/ Concerned for in-situ remediation.	
XI.	Details of Nodal Officer appointed by Chief Secretary in the State/UT:
In compliance to the direction of Hon'ble NGT with reference to set up of Monitoring Mechanism, Deputy Environmental Engineer (ShriT.C.Patel) has been deputed vide letter dated 10.06.2020 at Chief Secretary office to look after the Hon'ble NGT matters.	
XII.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
All NGT matters are being reviewed regularly under chairmanship of Hon'ble CS.Total 2 review meetings are conducted so far under the chairmanship of Hon'ble CS to monitor the progress with reference to the action plans submitted w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 673/2018 and to resolve various issues/non -compliances. Last meeting was convened on 10/09/2020 under the chairmanship of Hon'ble Chief Secretary Gujarat State. Two review meetings have been convened so far w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 606/2018 which also includes the review of matters related to O.A. No.:-673/2018.	
XIII.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;
Details are attached as **Annexure – II**	

XIV.	Ground water regulation:
GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" Final comments /suggestions were sought by GWRDC vide letter dated 02/11/2020 from concerned departments for finalization of the draft bill. Seven meetings of sub-committee have been convened so far for finalization of the draft bill. The final draft bill was approved by the sub-committee during the meeting held on 12/11/2020 as per the minutes of meeting. The final draft of the bill has been submitted to the Chairman of the Committee andSpecial Secretary, (WR), Narmada Water Resource, Water Supply &Kalpsardepartment,Govt. of Gujarat, for consideration in the main committee meeting.	
XV.	Good irrigation practices being adopted by the State:
XVI.	Rain Water Harvesting:
XVII.	Demarcation of Floodplain and removal of illegal encroachments:
XVIII.	Maintaining minimum e-flow of river:
Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date is attached as **Annexure – III.**	
XIX.	Plantation activities along the rivers:
Details w.r.t point no. XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV.**	
XX.	Development of biodiversity park:
As per the information received from GBB, vide letter dated 24.04.2020, Forest Dept. has established a very rich Botanical Garden at Waghai, Dangs. It also has a chain of Research Stations, Germ Plasms Banks, Provenance Banks, Sample Plots, Preservation Plots spread all over the State. Many working plans have Conservation or Preservation Working Circles for the express purpose of Biodiversity Conservation. The National Working Pan Code 2014 also mandates a Biodiversity Conservation Working Circle. All plans coming up for revision now shall have a Biodiversity Conservation Working Circle. Besides a host of Biodiversity based activities like Cactus Park, Ekta Van, Ekta Nursery, and Nutritional Park etc., have come up at Statue of Unity. Moreover, Shakkarbaug Zoo is an "A" Category zoological park along with many other zoological parks at Rajkot, Ahmedabad, Gandhinagar, Vadodara, Surat, Kevadiya etc. All these are repositories of biodiversity. Therefore, these may be treated as a Biodiversity park is totality. GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team	

nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 Crore for the development of Biodiversity Park. Team suggested tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.	
XXI.	Reuse of Treated Water:
Details are attached as **Annexure – V**	
XXII.	Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:
River Sabarmati is proposed to be adopted as model river stretch, however it will be finalized in the next RRC meeting to be held on 27.11.2020.	
XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:
Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms. STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.	
XXIV.	Regulation of Mining Activities in the State/UT:
Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.	
XXV.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring
• Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 . • Number of closure directions to defaulting units under section 31 A of Air Act – 1981: 5703 respectively.	

- Number of notice of directions to defaulting units under section 33 A of Water Act – 1974: 17263.
- Number of closure directions to defaulting units under section 33 A of Water Act – 1974: 11383.
- Number of notice of directions under rule 4(2) of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 4130
- Number of closure directions under section 5 of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 1583

(As per Annual report – 2018-19)

***Note: Incremental progress made by the State/UT in each activity to be provided.**

RRC meetings:

RRC meetings are regularly being held at GPCB, Gandhinagar to review the progress and the minutes of the meeting having progress status, is regularly submitted to CPCB. Last RRC (9^{th} RRC) meeting was conducted on 27/11/2020. Following are the gist of main points discussed during the meeting:

- Concerned departments / authorities/ organizations were asked to submit proposals with elongated /revised timeline for completion of the projects with the justification
- Concerned departments / authorities/ organizations were asked to furnish details of incremental progress of the projects & activities proposed under the Action Plans of Polluted River Stretches
- All the concerned Municipal Corporations & Nagapalikas were asked to submit the list of STPs not complying with the norms and proposals for up-gradation of the STPs not complying with the norms along with the timeline for completion of the same.
- GWSSB was asked to submit STP wise progress of land issues on monthly basis to RRC and GPCB.
- River Sabarmati has been selected as model river stretch.

STPs:

Sr. No.	STP Proposed, if any	Status
1.	**Vapi Namdha (14 MLD)**	Work in Progress. 55% overall work Completed. (time line 30/09/2021)
2.	**Vapi Chandor (29.53 MLD)**	DPR/DTR stage. Revised DPR under preparation. Land allotted on 05/06/2020. As there is no alternate land available and the same is considerably low lying area, it was decided to prepare a revised DPR. (Revised timeline September 2022)
3.	**Vapi Notified Area Authority 10 (5+5) MLD** Capacity increase, from 5 MLD to 10 MLD, proposed during 8th RRC considering the future demand.	STP project approved by head office vide letter dated 16/01/2021. Updated DPR is submitted at head office.. Technical sanction and tender process will be done in next quarter.

CETPs:

Sr. No.	CETP Proposed, if any	Status
1.	Expansion of the existing CETP of **VGEL from** 55 to 70 MLD.	EC for the proposed expansion is awaited. The project will be completed within 6 months from obtaining EC. However, the inlet quantity does not cross the threshold of 55 MLD and the CETP is almost meeting with the norms.

Annexure-I (A)

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
1	Ahmedabad Pirana 2009	60	60	Operational	Non Compliance	
2	Ahmedabad Old Pirana 2004	106	106	Operational	Non Compliance	SCN-587981
3	Ahmedabad Pirana 2009	180	180	Operational	Non Compliance	
4	Ahmedabad Vasna 2004	126	126	Operational	Non Compliance	
5	Ahmedabad Vasna 2009	35	35	Operational	Compliance	
6	Ahmedabad Vasna 2011	240	235	Operational	Compliance	
7	Ahmedabad Vinzol 2011	70	70	Operational	Compliance	
8	Ahmedabad Vasna 2018	48	48	Operational	Compliance	
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Compliance	
10	Ahmedabad Vinzol 2020	35	30	Operational	Compliance	
11	Ahmedabad Arvind Mill	8	8	Operational	Compliance	
12	Ahmedabad Rasala	1	1	Operational	Not in operation during site visit	
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Site not visited	Only obtained ID, Not applied for CTE/CCA
14	Ahmedabad V S Hospital	1	1	Operational	Compliance	
15	Ahmedabad Nikol	0.5	0.5	Operational	Details not available	
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Compliance	
17	Ahmedabad Lambha	5	2	Operational	Details not available	
18	Surat	155	147.58	Operational	Compliance	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
	Singanpore 2003/2014					
19	Surat Karanj 1999/2015	140	136.59	Operational	Site not visited	
20	Surat Bhatar 1999/2014/2017	162	162	Operational	Site not visited	
21	Surat Anjana 1995/2007/2019	122	121	Operational	Site not visited	
22	Surat Bamroli 2008/2019	100	100	Operational	Non Compliance	SCN-591844
23	Surat Bhesan 1995/2009/2020	200 (100 existing + 100 proposed expansion)	120.52	Operational	Site not visited	
24	Surat Khajod 2011	25	24.20	Operational	Site not visited	
25	Surat Asarama 2011	15	15	Operational	Non Compliance	SCN-591208
26	Surat Dindoli 2012/2019	167	72.50	Operational	Site not visited	
27	Surat Variav-Kosad 2012/2017	134	131	Operational	Compliance	
28	Surat Gavier 2016	53	16	Operational	Non Compliance	SCN-589968
29	Vadodara Tarsali	52	58	Operational	Non Compliance	SCN-591157
30	Vadodara Gajarawadi	66	72	Operational	Non Compliance	SCN-591155
31	Vadodara Kapurai	43	50	Operational	Non Compliance	SCN-591156
32	Vadodara Rajivnagar	78	55	Operational	Compliance	
33	Vadodara Sayaji garden	8.5	7	Operational	Non Compliance	
34	Vadodara Channi	21	21	Operational	Non Compliance	SCN-590935

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
35	Vadodara Atladara (old)	43	51	Operational	Non Compliance	SCN-28/05/2021
36	Vadodara Atladara (new)	43	43	Operational	Non Compliance	SCN-28/05/2021
37	Gandhinagar Jaspur 2007	76	45	Operational	Non Compliance	SCN-589724
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Non Compliance	
39	Gandhinagar Basan 2011-12	2	1.0	Operational	Non Compliance	SCN-590220
40	Rajkot Nr Raiya village 2010	51	45	Operational	Site not visited	
41	Rajkot Raiyadhar 2017	56	35	Operational	Compliance	
42	Rajkot Nr Madhapar 2018	44.5	16	Operational	Non Compliance	
43	Rajkot Nr Kothariya Village 2017	15	9	Operational	Non Compliance	
44	Rajkot Gavaridad 2018	70	35	Operational	Non Compliance	
45	Rajkot Madhapar 2019	80	30	Operational	Non Compliance	SCN-5858200
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Site not visited	
47	Bhavnagar Behind Excel industries	45	40	Operational	Site not visited	
48	Jamnagar Navagam Ghed	70	70	Operational	Site not visited	
49	Gandhidham - Anjar	30.00	22	Operational	Site not visited	
50	Patan	25.00	13	Operational	Site not visited	
51	Nadiad	51.26	20	Operational	Not in operation	
52	Siddhpur	5.62	5	Operational	Oxidation pond	
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond	
54	Sanand	20.50	0	Non - Operational	Site not visited	
55	Himmatnagar	17.51	6	Operational	Site not visited	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
56	Petlad	10.37	8	Operational	Non Compliance	
57	Dholka	13.60	8	Operational	Non Compliance	
58	Savarkundla	13.90	5	Operational	Oxidation pond	
59	Gadhda	6.50	2	Operational	Oxidation pond	
60	Kathlal	3.80	2.59	Operational	Oxidation pond	
61	Mahudha	2.10	1.76	Operational	Oxidation pond	
62	Bayad	4.00	2.06	Operational	Oxidation pond	
63	Patadi	2.80	1.33	Operational	Oxidation pond	
64	Sojitra	2.30	2	Operational	Oxidation pond	
65	Dwarka	7.50	2.28	Operational	Site not visited	Not obtained CTE/CCA
66	Godhra	27.60	4	Operational	Site not visited	
67	Bhuj	23.70	19	Operational	Non Compliance	Not obtained CTE/CCA
68	Bhachau	10	4	Operational	Non compliance	Not obtained CTE & CCA
69	Anand (Lambhvel)	33	9	Operational	Compliance	Not obtained CTE/CCA
70	Anand (TP-8)	13.5	2.5	Operational	Non Compliance	SCN-589391
71	Surendranagar	32.3	17	Operational	Compliance	
72	Valsad-1	20.2	2	Operational	Not in operation during site visit	
73	Morbi	28.8	6	Operational	Non Compliance	
Total		3598.86	2915.91			

New STPs under trail run.

74	Jasdan	8.80	4.0	Under trial run	
75	Tharad	4.80	2.5	Under trial run	
76	Dehgam	7.60	4.0	Under trial run	
77	Dhangadhra	11.60	1.04	Under trial run	
78	Porbandar	19.10	3.0	Under trial run	
79	Bardoli	11.30	0.0	Under trial run	
80	Vyara	6.50	1.50	Under trail run	
Total		69.7	16.04		

CTE: Consent to Establish, CC&A: Consolidated Consents and Authorization.

Annexure-I (B)

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1.	Ahmedabad Vinzol	100	95%	Completed	31/08/2021
2.	Ahmedabad Pirana	155	93%	Completed	31/08/2021
3.	Ahmedabad Maleksaban	30	30%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	02%	Completed	31/12//2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	SuratSinganpore	100	98%	Completed	31/07/2021
7.	SuratBhatar	115	74%	Completed	31/07/2021
8.	SuratBamroli	115	77%	Completed	28/02/2022
9.	SuratAsarma	22.5	54%	Completed	05/04/2022
10.	SuratKhajod	30	36%	Completed	30/11/2021
11.	Vadodara Kapurai	60	78%	85%	31/12/2021
12.	Vadodara Chhani	50	40%	Completed	31/12/2021
13.	Vadodara Bhayli	45	45%	Completed	28/02/2022
14.	Vadodara Sayaji garden	7.5	65%	Completed	28/02/2022
15.	Rajkot Kothariya, on NH bypass	15	25%	Completed	07/09/2021
16.	Bhavnagar Axcel Industries	50	42%	Completed	31/05/2022
17.	JunagadhBilkha Road, Near CBSE School	8.2	70%	Completed	03/09/2021
18.	Rajula	5.70	13%	Completed	31/10/2021
19.	Bagasara	5.90	14%	Completed	31/10/2021
20.	Chalala	2.80	90%	Completed	31/08/2021
21.	Mahuva	16.30	90%	Completed	31/08/2021
22.	Talaja	5.80	80%	Completed	31/08/2021
23.	Una	11.70	96%	Completed	31/08/2021
24.	Bantva	2.60	98%	Completed	31/08/2021
25.	Mansa	5.00	45%	Completed	31/08/2021
26.	Dhanera	4.00	48.00%	Completed	15/11/2021
27.	Bhabhar	3.50	45%	Completed	25/09/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
28.	Thara	3.60	45%	Completed	15/11/2021
29.	Kadi	12.80	55%	Completed	05/09/2021
30.	Unjha	11.60	81%	Completed	31/08/2021
31.	Visnagar-1	12.00	97.00%	Completed	31/07/2021
32.	Visnagar-2	5.30	75%	Completed	31/08/2021
33.	Kheralu	2.90	90%	Completed	10/11/2021
34.	Vijapur	4.10	50%	Completed	10/11/2021
35.	Radhanpur	6.00	15%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	13/06/2022
36.	Idar	7.40	91.00%	Completed	31/08/2021
37.	Khedbrahma	5.80	91.00%	Completed	31/08/2021
38.	Prantij	3.70	91%	Completed	31/08/2021
39.	Talod	3.60	17%	Completed	30/10/2021
40.	Vadali	3.80	5%	Completed	30/10/2021
41.	Jambusar	5.90	62%	Completed	16/10/2021
42.	Amod	3.10	62%	Completed	16/10/2021
43.	Bilimora	8.30	15%	Completed	04/03/2022
44.	Gandevi	2.60	20%	Completed	31/03/2022
45.	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
46.	Dharampur	4.10	62%	Completed	31/08/2021
47.	Borsad	9.80	95%	Completed	31/08/2021
48.	Umreth	6.10	61%	Completed	25/08/2021
49.	Dahod	13.70	98.00%	Completed	31/07/2021
50.	Zalod	4.60	95%	Completed	31/07/2021
51.	Devgadhbariya	3.80	79%	Completed	31/07/2021
52.	Santrampur	2.91	41%	Completed	21/09/2021
53.	Kalol (P)	4.77	55%	Completed	09/09/2021
54.	Shehra	2.80	26%	Completed	30/09/2021
55.	Chhotaudepur	5.00	96%	Completed	31/07/2021
56.	Padra	5.60	82%	Completed	20/08/2021
57.	Viramgam	4.50	85%	Completed	31/08/2021
58.	Bavla	5.80	35%	Completed	12/12/2021
59.	Dhandhuka	7.50	95%	Completed	31/07/2021
60.	Bareja	3.10	85%	Completed	31/07/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
61.	Chaklasi	4.90	0.00%	Completed	31/03/2022
62.	Kapadwanj	6.20	32%	Completed	10/12/2021
63.	Mehmdabad	5.60	60%	Completed	17/11/2021
64.	Dakor	4.90	32%	Completed	10/12/2021
65.	Kheda	5.20	43%	Completed	17/11/2021
66.	Chotila-1	2.30	22%	Completed	30/09/2021
67.	Chotila-2	1.70	15.00%	Completed	30/09/2021
68.	Wadhwan	12.10	0.00%	Completed	31/03/2022
69.	Barwala	2.90	14%	Completed	17/09/2021
70.	Harij	3.00	60%	Completed	31/12/2021
71.	Chanasma	2.50	0.00%	Completed	31/12/2021
72.	Ode	2.50	35%	Completed	09/09/2021
73.	Karjan	5.20	30%	Completed	09/12/2021
74.	Vadnagar	5.94	95.00%	Completed	30/09/2021
75.	Botad	32.00	86.00%	Completed	31/07/2021
76.	Morbi-2	9.30	95%	Completed	31/07/2021
77.	Jetpur	23.50	95%	Completed	31/07/2021
78.	Gondal	16.50	55%	Completed	30/09/2021
79.	Amreli	18.20	77.00%	Completed	31/07/2021
80.	Kalol	23.50	16.00%	Completed	30/06/2022
81.	Palanpur	21.30	3.00%	95%	30/06/2022
82.	Deesa	17.00	70.00%	Completed	30/09/2021
83.	Bharuch	29.32	82.00%	90%	30/09/2021
84.	Vapi-1	14.00	55.00%	Completed	30/09/2021
85.	Anand-3	6.50	95%	Completed	31/08/2021
86.	Porbandar-1	12.80	82.00%	Completed	31/08/2021
87.	Damnagar	2.80	0.00%	Completed	11/02/2022
88.	Lathi	3.80	0.00%	Completed	11/02/2022
89.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1536.64			

New STPs for which work order given.

90.	Bhavnagar Akwada	19.2	7%	Completed	31/12/2022
91.	Anklav	3.60	20%	Completed	04/03/2022
92.	Khambhat-1	6.80	2%	Completed	04/06/2022
93.	Khambhat-2	4.50	2%	Completed	04/06/2022
94.	Thangadh	9.00	0.00%	Completed	07/06/2022
95.	Balasinor	6.50	2%	Completed	22/04/2022

96.	Savli	2.5	5%	Completed	18/04/2022
97.	Dabhoi	8.96	1%	Completed	18/04/2022
98.	Kanjari	3.3	16%	Completed	18/04/2022
99.	Halvad	6.7	0.00%	Completed	17/07/2022
100.	Rajpipla	5.02	5%	Completed	17/07/2022
101.	Pardi	4.60	0.0%	Completed	14/06/2022
102.	Mandvi Surat	3.50	0.0%	Completed	15/06/2022
103.	Ankleshwar	14.0	0.0%	Completed	15/09/2022
104.	Umargam	6.48	0.0%	Completed	14/09/2022
105.	Karamsad	7.0	0.0%	Completed	14/09/2022
106.	Boriavi	3.30	2%	Completed	14/09/2022
107.	Lunavada	5.60	0.0%	Completed	16/09/2022
108.	Palitana	10.81	0.0%	Completed	31/03/2022
Total		131.37			

Total STPs under construction: 1536.64+131.37=1668.01 MLD

Annexure-I (C)

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1.	Ahmedabad Dafnala	25	LOI Given	31/12/2022
2.	Vadodara Tarsali	100	Revised DPR under scrutiny	31/12/2022
3.	Vadodara Atladara	83	Tender to be re- invited	31/12/2022
4.	Vadodara Gajarawadi	93	Revised DPR under scrutiny	31/12/2022
5.	GandhinagarSargasan	50	LOI Given	31/12/2022
6.	Jamnagar Nr Rangmati River	50	DPR Stage	31/12/2022
7.	Junagadh Kalva	15.50	Work order given	31/12/2022
8.	Junagadh Zanzarda	11.00	Work order given	31/12/2022
9.	Junagadh near Lol river	29.50	Work order given	31/12/2022
10.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
11.	Bhanvad	3.00	Tender under approval	31/03/2022
12.	Visavadar	3.40	Tender recently approved	31/03/2022
13.	Lunawada	5.60	Tender under approval	31/03/2022

14.	Okha	10.10	Tender under approval	31/03/2022
15.	Beyt (near Okha)	1.20	Tender under approval	31/03/2022
16.	Khambhalia	5.50	Tender under approval	31/03/2022
17.	Salaya, Jamnagar	6.20	Tender under approval	31/03/2022
18.	Jamjodhpur	3.60	Tender recently approved	31/03/2022
19.	Wankaner	5.80	Tender recently approved	31/03/2022
20.	Chhaya	13.10	Tender under approval	31/03/2022
21.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
22.	Veraval- Patan	33.90	Tender to be invited	31/03/2022
23.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
24.	Babra	4.00	Under Tender evaluation	31/12/2022
25.	Kodinar	5.60	Under Tender evaluation	31/12/2022
26.	Sutrapada	4.00	Tender tobe invited	31/12/2022
27.	Talala	3.80	Under Tender evaluation	31/12/2022
28.	Chorvad	3.70	Tender recently approved	31/12/2022
29.	Halol	11.60	Tender to be invited	31/12/2022
30.	Thasra	2.30	Tender to be invited	31/12/2022
31.	Mandvi-2 (Salaya)	3.20	Tender to be invited	31/12/2022
32.	Mandvi-1 (JT Grounds)	5.30	Tender to be invited	31/12/2022
33.	Jamraval	2.60	Tender to be invited	31/12/2022
34.	Dhrol	3.60	Under tender evaluation.	31/12/2022
35.	Kalavad	4.50	Tender under approval	31/12/2022
36.	Maliya	2.50	Tender to be invited	31/12/2022
37.	Kutiyana	2.90	Tender under approval	31/12/2022
38.	Ranavav-1 (Adityana)	3.00	Tender under approval	31/12/2022
39.	Ranavav-2	4.50	Tender under approval	31/12/2022
40.	Dhoraji	12.90	Tender recently approved	31/12/2022
41.	Bhayavadar	3.10	Tender to be invited	31/12/2022
42.	Manavadar	4.90	Tender recently approved	31/12/2022
43.	Pethapur	3.80	DPR stage	30/06/2022
44.	Sikka	2.90	Tender recently approved	31/12/2022
45.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
46.	Mahesana-1	23.18	Under Tender	31/03/2022

			evaluation	
47.	Mahesana-2	18.46	Under Tender evaluation	31/03/2022
48.	Jafrabad	5.4	Tender online	31/12/2022
49.	Gariyadhar	7.1	Under Tender evaluation	31/12/2022
50.	Shihor	8.9	Under Tender evaluation	31/12/2022
51.	Mangrol	9.6	DPR/DTP stage	31/12/2022
52.	Vanthli	2.2	DPR/DTP stage	31/12/2022
53.	Modasa	12.0	Under Tender evaluation	31/12/2022
54.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
55.	Songadh	4.5	Tender recently approved	31/12/2022
56.	Limdi	7.4	DPR/DTP stage	31/12/2022
57.	Bhachau	1.0	Tender under approval	31/12/2022
58.	Rapar	5.2	Under tender evaluation.	31/12/2022
59.	Upleta	8.9	DPR/DTP stage	31/12/2022
60.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		856.57		

Newly proposed STPs.

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
61.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
62.	Gandhinagar Bhat	30	DPR Stage	31/12/2022
63.	Rajkot Raiyadhar	8.0	Tender online	31/12/2022
Total		98		

Total of Proposed STPs= 856.57+98=954.57 MLD

Annexure-II

XIII. Progress/Status Report of the River/PRS water quality Monitoring May– 2021:

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
04/05/2021	GIDC Vapi Weir	6.90	7.95	0.6	9.0	13.0	49.0
04/05/2021	Zari Causeway Kachigam	5.20	7.66	2.1	23.0	1600.0	>1600.0
04/05/2021	Village Namdha	5.30	7.79	1.8	22.0	47	170.0

Note:- Does not fall in any priority as per MPRs for the months of June-2020 to May -2021.

Annexure:- II (A) STP Results

There is no any Existing STP at present

Annexure:- II (B) Drain details with flow

Sr.No.	Location/Name of Drain	Name of Inletting River/Drain	Discharge (MLD)	
			Max.	Min.
1	Zari Causeway Kachigaon Bridge, Daman (UT)	Kalkada Khadi (Domestic outfall from VapiNagarpalika Area)	20 MLD	18 MLD
2	Near GIDC Weir, Vapi	Domestic outfall from Village Chanod Area	0.5 MLD	0.3 MLD

Annexure-II (C) CETPs Results

CETP, Vapi (VGEL Vapi):

Samp.Dt.	Type	BOD (mg/l)		COD (mg/l)		NH3 (mg/l)		pH		SS (mg/l)	
		Inlet	Outlet	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet
20/05/2021	ROU	144	29	700	251	66.08	44.80	8.15	6.84	340	74
Standards			**30**		**250**		**50**		**6.5-8.5**		**100**

Annexure-II (D)

Progress/Status Report of the River/PRS ground water quality monitoring May – 2021

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)	SS (mg/l)	Iron (mg/l)	Lead (mg/l)	Nickel (mg/l)
04/05/2021	Borewell at Jilla Panchayat School, Kanta Faliya, Village Namdha	5.60	7.65	0.6	10.00	<2	<2	8.00	0.03	0.021	BDL

Zinc (mg/l)	Manganese (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Hexavalent Chromium (mg/l)	Total Chromium (mg/l)	Percent Sodium	NH3 (mg/l)	Total Kejeldahl Nirtogen (mg/l)	TDS (mg/l)	Conductivity (micromho/cm)
0.06	BDL	0.03	0.40	BDL	BDL	12.70	BDL	1.12	310.00	602

Annexure-III

Details w.r.t point no. XV, XVI, XVII & XVIII given by Irrigation Dept./WRD as on date

Sr.No	River name	Details/Status
1	Damanganga	1. Environmental flow: • 805 MCM (For monsoon period) (As per MoEF& CC Norms) • Proposed plan to achieve min e-flow: More than enough flow is available hence question does not arise. 2. Detail of Good Irrigation Practices: • General Government Practice of irrigation is maintained in command area of Damanganga reservoir project. • Farmers are made aware to use water optimally. • Canal System of Damanganga project are fully lined so as to minimize seepage losses. • As such no water logging issue noticed so far in the command area of Damanganga reservoir project. 3. Detail on Flood Plain Management Zone: • As far as Damanganga reservoir project is concerned 13villagesofValsadDistrict,14villagesofUTofDadra & Nagarhaveli and 10 Village of UT of Daman are identified which and may be affected due to floods in D/s of Damanganga Dam, for more than 2,50,000 lakh cusecs discharge from dam. In such condition people of these villages are warned through early warning arrangement in consultation with revenue department.

Annexure-IV

Details w.r.t point no.XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/river	Existing plantation/vegetation cover details	Proposed plan	Time limit	Remarks
Damanganga (kachigaon to Vapi)	8 ha. Plantation	0.25 lacs Plantation to be done in 2020-2021	2020-2021	As per AAP (Annexure A) for both side plantation on PRS during 2020-21

Annexure – A

List of Polluted River Stretches of Gujarat (River Both side Plantation AAP in 2020-21)		
Sr. No.	River	Plants (In lakhs)
1.	Sabarmati	1.54
2.	Bhadar	0.20
3.	Amlakhadi	0.10
4.	Bhogavo	0.60
5.	Khari	0.02
6.	Vishwamitri	0.15
7.	Dhadhar	1.10
8.	Triveni	0.10
9.	Amravati	0.10
10.	Damanganga	0.25
11.	Kolak	0.25
12.	Mahi	0.20
13.	Shedhi	0.15
14.	Tapi	0.35
15.	Anas	0.05
16.	Baleshwar Khadi	0.02
17.	Kim	0.02
18.	Meshwo	0.40
19.	Mindhola	0.05
20.	Narmada	0.45
Total		6.10

Plantation of **6.91** lakh trees have been carried out on both the sides of polluted river stretches against the action plan for planting 6.10 lakh trees

Annexure-V

Details received from concerned department regarding reuse of treated wastewater

Treated waste water utilization policy:

- Gujarat Government has framed Policy for Reuse of "Treated Waste Water (TWW)" by maximising the collection and treatment of sewage generated and reusing the treated wastewater on a sustainable basis. In this regards, revised action plan has been submitted by Gujarat Water Supply and Sewerage Board (GWSSB) to Chairman, CPCB where one of the objectives of the revised action plan is to reuse 70% of treated wastewater by 2025 and 100% of treated wastewater by 2030.
- As per the details received from Gujarat Water Supply & Sewerage Board, Latest status of Treated waste water reuse in the State is as under:

	Status		
	TWW reuse started (MLD)	TWW reuse projects in tender/execution stage (MLD)	TWW reuse under planning (MLD)
Municipal Corporations	623.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**646.68**	**250**	**790.4**

Annexure-VI

Non-Complying / Partially non-complying CETPs
April- 2021

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	508
		BOD	30	42
2.	M/s. Odhav Enviro Project Ltd., Odhav, Ahmedabad	COD	250	407
		BOD	30	39
3.	M/s. Gujarat Vepari Maha Mandal Sahkari Udhyogik Vasahat Ltd, Ahmedabad	NH3-N	50	80.5
4.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	BOD	30	31
		NH3-N	50	130.2
5.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	420
		BOD	30	35
		SS	100	118
6.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	COD	250	1697
		BOD	30	321
		SS	100	326
7.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	891
		SS	100	156
		NH3-N	50	63.14
8.	M/s. Vinayak Jal SudhikaranSahakariMandali Ltd, Bavla, Ahmedabad	SS	100	164
9.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	138
10.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar.	COD	500	942
		NH_3-N	50	137.2
11.	M/s. Panoli Enviro Technology Ltd., GIDC-Panoli, Bharuch	SS	150	280
12.	M/s. Gujarat Eco Textile Park Pvt. Ltd, Palsana, Surat	SS	<60	98

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
13.	Vapi Green Enviro Ltd (VGEL, Vapi) (Old Name-Vapi Waste & Effluent Management Co. Ltd) (GPCB ID: 24764)	NH_3-N	50	80.5
14.	M/s. Sarigam Clean Initiative (Old Name-Gujarat Industrial Development Corporation), Sarigam.	SS	100	110
15.	M/s Jetpur Dying & Printing Association, Jetpur, Rajkot	COD	250	664
		BOD	100	212
16.	M/s. Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	151
		BOD	30	49
17.	M/s. Jay Khodiyar Enviro-Technologies Pvt. Ltd., Rajkot	PH	6.5 to 8.5	8.72
18.	M/s CETP of Dahej Industrial Estate	COD	250	544
		NH3-N	50	112

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Gujarat
Monthly Progress Report of PRS Kolak for May- 2021.

Overall status of the State:

I. Total Population: Urban Population – 25745083, Rural Population – 34694609 (Census - 2011)

II. Estimated Sewage Generation (MLD):4003 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): 73 nos, 3485 MLD
  [7 under construction STPs are now complete and are now under trial run i.e additional 183.56 MLD]
- Capacity Utilization of existing STPs: 2739 MLD
  [additional utilization capacity as on May 2021 – 192.95 MLD from existing + newly commissioned STPs]
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
  [334.44 MLD - Gap considering 3668.56 MLD treatment capacity i.e 3485 MLD + 183.56 MLD]
- No. of Operational STPs: 73 [80 as on May 2021]
- No. of Complying STPs: 15
- No. of Non-complying STPs: 27 (including STPs not obtained CTE & CCA)
- ULBs having Oxidation ponds: 9
- Site of the STPs not visited: 17
- STPs not in operation during the site visit:3
- Details of STPs not available: 2
- STPs just commissioned / under trial run: 7
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 16, ➢ Non complying: 18 (Please refer Annexure VI) *(as per CM dash board data for **april-2021**, available on Board's website)

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Gujarat	44143	Not available	Out of 12815 water polluting industries 12700 industries having ETP. 12551 ETPs are complying with norms.	Existing CETPs : 34 Propose/Under construction/under expansion: 19

V. **Solid Waste Management:**

Particulars	Data
Total number of Urban Local Bodies and their population	162
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF	• There are total No. 755 of Plants for Vermi / Aerobic/ anaerobic Composting of installed processing capacity 7477 TPD. • There are 232 plants Material Recovery Facilities (MRF) with processing capacity of 5441.93 TPD installed capacity. • There are 5 plants of RDF with processing of 1390.25 TPD. • Biogas 29 plants with capacity of 1086 TPD.
Action plan to bridge gap between installed capacity and current utilization of processing facilities (if gap > 20%)	Gap is less than 20% hence not applicable.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	There are 2 Processing plants C & D Waste with processing capacity of 1300 TPD.
Total no. of wards: no. of wards having door to door collection service: no. of wards practicing segregation at source falling into PRS:	1418 1418 Information not available
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Information not available
No. and area (in acres) of uncontrolled garbage dumpsites and sanitary landfills.	Information not available
No. and area (in acres) of legacy waste within 1km. buffer on both side of the PRS	Information not available
No. of drains falling into PRS and no. of drains having floating racks/screens installed to prevent solid waste from falling into PRS	Not provided, however in-situ remediation at Ankleshwar and Kheda municipalities are under implementation. It will be commenced in all 7 municipalities related to PRS within one month after positive results of technology.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Details are being prepared.					

VI. Bio-medical Waste Management:

- Total Bio-medical generation(Related to entire State): 36.42 MT/day
  Total Bio-medical generation(Related to PRS): 27.54 MT/day
- No. of Hospitals and Health Care Facilities(Related to entire State): 31286
  No. of Hospitals and Health Care Facilities(Related to PRS): 28399
- Status of Treatment Facility/ CBMWTF(Related to entire State)
  : Existing – 20, Proposed – 1
  Capacity – 126 MT/day
  Status of Treatment Facility/ CBMWTF(Related to PRS): Existing – 16
  Capacity – 108 MT/day

VII. Hazardous Waste Management:

- Total Hazardous waste generation: 2.5 to 2.7 MMT as per HW inventory which includes landfill, incineration, recycling and co-processing. (It depends upon the industrial operation of the year)
- No. of Industries generating Hazardous waste : About 19683 as per HW inventory 19-20
- Treatment capacity of all TSDFs: Total installed capacity about 8626332MT
- Avg. quantity of HW reaching TSDF and treated : 1.3 MMT as per HW inventory 19-20
- Details of ongoing or proposed TSDF: 7 no. proposed TSDF having total installed capacity about 36lac MT

VIII. Plastic Waste Management:

Details		Quantity/Capacity
• Plastic waste generated:		408201.08 TPA (April 2019-March 2020)
• Treatment/Measures adopted for reduction or management of Plastic waste:		
Disposal of Plastic Waste through	Co-processing	109157.435 MT (from April 2019 to August 2020)
	Recycler	Total no. recycling units: 597 Capacity of recycling plastic waste: 11,13,526.56 MT/Y
	Refuse Derived Fuel	MSW units : 2 Quantity of final product sold is 129,575 MT/Annum containing 7 % of plastic waste i.e. 9071 MT/Annum (April 2019-March 2020)

	Pyrolysis	Total no. of operational units: 2 Cap. to convert plastic waste into oil: 5075 TPA Plastic used as raw material: 600 MT/M

IX.	Details of Alternate Treatment Technology being adopted by the State/UT:
-Ahmedabad & Vadodara Municipal Corporations have set up dry sewage sludge hygienisation Cobalt – 60 gamma irradiation plant. (Ahmedabad Municipal Corporation - 100 tonnes per day) - Legacy waste treatment at Pirana dumping site, Ahmedabad.	
X.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment:
Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan. Proposal not received from PRH & RDD/ Concerned for in-situ remediation.	
XI.	Details of Nodal Officer appointed by Chief Secretary in the State/UT:
In compliance to the direction of Hon'ble NGT with reference to set up of Monitoring Mechanism, Deputy Environmental Engineer (ShriT.C.Patel) has been deputed vide letter dated 10.06.2020 at Chief Secretary office to look after the Hon'ble NGT matters.	
XII.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
All NGT matters are being reviewed regularly under chairmanship of Hon'ble CS.Total 2 review meetings are conducted so far under the chairmanship of Hon'ble CS to monitor the progress with reference to the action plans submitted w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 673/2018 and to resolve various issues/non -compliances. Last meeting was convened on 10/09/2020 under the chairmanship of Hon'ble Chief Secretary Gujarat State. Two review meetings have been convened so far w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 606/2018 which also includes the review of matters related to O.A. No.:-673/2018.	
XIII.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;
Details are attached as **Annexure – II**	

XIV.	Ground water regulation:
GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" Final comments /suggestions were sought by GWRDC vide letter dated 02/11/2020 from concerned departments for finalization of the draft bill. Seven meetings of sub-committee have been convened so far for finalization of the draft bill. The final draft bill was approved by the sub-committee during the meeting held on 12/11/2020 as per the minutes of meeting. The final draft of the bill has been submitted to the Chairman of the Committee and Special Secretary, (WR), Narmada Water Resource, Water Supply & Kalpsar department,Govt. of Gujarat, for consideration in the main committee meeting.	
XV.	Good irrigation practices being adopted by the State:
XVI.	Rain Water Harvesting:
XVII.	Demarcation of Floodplain and removal of illegal encroachments:
XVIII.	Maintaining minimum e-flow of river:
Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date is attached as **Annexure – III.**	
XIX.	Plantation activities along the rivers:
Details w.r.t point no. XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV**	
XX.	Development of biodiversity park:
As per the information received from GBB, vide letter dated 24.04.2020, Forest Dept. has established a very rich Botanical Garden at Waghai, Dangs. It also has a chain of Research Stations, Germ Plasms Banks, Provenance Banks, Sample Plots, Preservation Plots spread all over the State. Many working plans have Conservation or Preservation Working Circles for the express purpose of Biodiversity Conservation. The National Working Pan Code 2014 also mandates a Biodiversity Conservation Working Circle. All plans coming up for revision now shall have a Biodiversity Conservation Working Circle. Besides a host of Biodiversity based activities like Cactus Park, Ekta Van, Ekta Nursery, and Nutritional Park etc., have come up at Statue of Unity. Moreover, Shakkarbaug Zoo is an "A" Category zoological park along with many other zoological parks at Rajkot, Ahmedabad, Gandhinagar, Vadodara, Surat, Kevadiya etc. All these are repositories of biodiversity. Therefore, these may be treated as a	

Biodiversity park is totality. GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 Crore for the development of Biodiversity Park. Team suggested tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.	
XXI.	Reuse of Treated Water:
Details are attached as **Annexure – V**	
XXII.	Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:
River Sabarmati is proposed to be adopted as model river stretch, however it will be finalized in the next RRC meeting to be held on 27.11.2020.	
XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:
Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms. STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.	
XXIV.	Regulation of Mining Activities in the State/UT:
Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.	
XXV.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring
• Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 .	

- Number of closure directions to defaulting units under section 31 A of Air Act – 1981: 5703 respectively.
- Number of notice of directions to defaulting units under section 33 A of Water Act – 1974: 17263.
- Number of closure directions to defaulting units under section 33 A of Water Act – 1974: 11383.
- Number of notice of directions under rule 4(2) of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 4130
- Number of closure directions under section 5 of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 1583

(As per Annual report – 2018-19)

***Note: Incremental progress made by the State/UT in each activity to be provided.**

RRC meetings:

RRC meetings are regularly being held at GPCB, Gandhinagar to review the progress and the minutes of the meeting having progress status, is regularly submitted to CPCB. Last RRC (9th RRC) meeting was conducted on 27/11/2020. Following are the gist of main points discussed during the meeting:

- Concerned departments / authorities/ organizations were asked to submit proposals with elongated /revised timeline for completion of the projects with the justification
- Concerned departments / authorities/ organizations were asked to furnish details of incremental progress of the projects & activities proposed under the Action Plans of Polluted River Stretches
- All the concerned Municipal Corporations & Nagapalikas were asked to submit the list of STPs not complying with the norms and proposals for up-gradation of the STPs not complying with the norms along with the timeline for completion of the same.
- GWSSB was asked to submit STP wise progress of land issues on monthly basis to RRC and GPCB.
- River Sabarmati has been selected as model river stretch.

STPs:

Sr. No.	STP Proposed, if any	Status
1.	10 MLD STP by Vapi Notified Area Authority (For PRS Kolak) (considering future demand 10 to 15 MLD is proposed during 8th RRC meeting.)	STP project approved by head office vide letter dated 16/01/2021. Updated DPR is submitted at head office. Technical sanction and tender process will be done in next quarter. Expected to complete by March -2022.

CETPs: No any industrial effluent is being discharged into the stretch of River Kolak.

Annexure-I (A)

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
1	Ahmedabad Pirana 2009	60	60	Operational	Non Compliance	
2	Ahmedabad Old Pirana 2004	106	106	Operational	Non Compliance	SCN-587981
3	Ahmedabad Pirana 2009	180	180	Operational	Non Compliance	
4	Ahmedabad Vasna 2004	126	126	Operational	Non Compliance	
5	Ahmedabad Vasna 2009	35	35	Operational	Compliance	
6	Ahmedabad Vasna 2011	240	235	Operational	Compliance	
7	Ahmedabad Vinzol 2011	70	70	Operational	Compliance	
8	Ahmedabad Vasna 2018	48	48	Operational	Compliance	
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Compliance	
10	Ahmedabad Vinzol 2020	35	30	Operational	Compliance	
11	Ahmedabad Arvind Mill	8	8	Operational	Compliance	
12	Ahmedabad Rasala	1	1	Operational	Not in operation during site visit	
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Site not visited	Only obtained ID, Not applied for CTE/CCA
14	Ahmedabad V S Hospital	1	1	Operational	Compliance	
15	Ahmedabad Nikol	0.5	0.5	Operational	Details not available	
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Compliance	
17	Ahmedabad	5	2	Operational	Details not available	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
	Lambha					
18	Surat Singanpore 2003/2014	155	147.58	Operational	Compliance	
19	Surat Karanj 1999/2015	140	136.59	Operational	Site not visited	
20	Surat Bhatar 1999/2014/2017	162	162	Operational	Site not visited	
21	Surat Anjana 1995/2007/2019	122	121	Operational	Site not visited	
22	Surat Bamroli 2008/2019	100	100	Operational	Non Compliance	SCN-591844
23	Surat Bhesan 1995/2009/2020	200 (100 existing + 100 proposed expansion)	120.52	Operational	Site not visited	
24	Surat Khajod 2011	25	24.20	Operational	Site not visited	
25	Surat Asarama 2011	15	15	Operational	Non Compliance	SCN-591208
26	Surat Dindoli 2012/2019	167	72.50	Operational	Site not visited	
27	Surat Variav-Kosad 2012/2017	134	131	Operational	Compliance	
28	Surat Gavier 2016	53	16	Operational	Non Compliance	SCN-589968
29	Vadodara Tarsali	52	58	Operational	Non Compliance	SCN-591157
30	Vadodara Gajarawadi	66	72	Operational	Non Compliance	SCN-591155
31	Vadodara Kapurai	43	50	Operational	Non Compliance	SCN-591156
32	Vadodara Rajivnagar	78	55	Operational	Compliance	
33	Vadodara Sayaji garden	8.5	7	Operational	Non Compliance	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
34	Vadodara Channi	21	21	Operational	Non Compliance	SCN-590935
35	Vadodara Atladara (old)	43	51	Operational	Non Compliance	SCN-28/05/2021
36	Vadodara Atladara (new)	43	43	Operational	Non Compliance	SCN-28/05/2021
37	Gandhinagar Jaspur 2007	76	45	Operational	Non Compliance	SCN-589724
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Non Compliance	
39	Gandhinagar Basan 2011-12	2	1.0	Operational	Non Compliance	SCN-590220
40	Rajkot Nr Raiya village 2010	51	45	Operational	Site not visited	
41	Rajkot Raiyadhar 2017	56	35	Operational	Compliance	
42	Rajkot Nr Madhapar 2018	44.5	16	Operational	Non Compliance	
43	Rajkot Nr Kothariya Village 2017	15	9	Operational	Non Compliance	
44	Rajkot Gavaridad 2018	70	35	Operational	Non Compliance	
45	Rajkot Madhapar 2019	80	30	Operational	Non Compliance	SCN-5858200
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Site not visited	
47	Bhavnagar Behind Excel industries	45	40	Operational	Site not visited	
48	Jamnagar Navagam Ghed	70	70	Operational	Site not visited	
49	Gandhidham - Anjar	30.00	22	Operational	Site not visited	
50	Patan	25.00	13	Operational	Site not visited	
51	Nadiad	51.26	20	Operational	Not in operation	
52	Siddhpur	5.62	5	Operational	Oxidation pond	
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond	
54	Sanand	20.50	0	Non -	Site not visited	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
				Operational		
55	Himmatnagar	17.51	6	Operational	Site not visited	
56	Petlad	10.37	8	Operational	Non Compliance	
57	Dholka	13.60	8	Operational	Non Compliance	
58	Savarkundla	13.90	5	Operational	Oxidation pond	
59	Gadhda	6.50	2	Operational	Oxidation pond	
60	Kathlal	3.80	2.59	Operational	Oxidation pond	
61	Mahudha	2.10	1.76	Operational	Oxidation pond	
62	Bayad	4.00	2.06	Operational	Oxidation pond	
63	Patadi	2.80	1.33	Operational	Oxidation pond	
64	Sojitra	2.30	2	Operational	Oxidation pond	
65	Dwarka	7.50	2.28	Operational	Site not visited	Not obtained CTE/CCA
66	Godhra	27.60	4	Operational	Site not visited	
67	Bhuj	23.70	19	Operational	Non Compliance	Not obtained CTE/CCA
68	Bhachau	10	4	Operational	Non compliance	Not obtained CTE & CCA
69	Anand (Lambhvel)	33	9	Operational	Compliance	Not obtained CTE/CCA
70	Anand (TP-8)	13.5	2.5	Operational	Non Compliance	SCN-589391
71	Surendranagar	32.3	17	Operational	Compliance	
72	Valsad-1	20.2	2	Operational	Not in operation during site visit	
73	Morbi	28.8	6	Operational	Non Compliance	
Total		3598.86	2915.91			

New STPs under trail run.

74	Jasdan	8.80	4.0	Under trial run	
75	Tharad	4.80	2.5	Under trial run	
76	Dehgam	7.60	4.0	Under trial run	
77	Dhangadhra	11.60	1.04	Under trial run	
78	Porbandar	19.10	3.0	Under trial run	
79	Bardoli	11.30	0.0	Under trial run	
80	Vyara	6.50	1.50	Under trail run	
Total		69.7	16.04		

CTE: Consent to Establish, CC&A: Consolidated Consents and Authorization.

Annexure-I (B)

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1.	Ahmedabad Vinzol	100	95%	Completed	31/08/2021
2.	Ahmedabad Pirana	155	93%	Completed	31/08/2021
3.	Ahmedabad Maleksaban	30	30%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	02%	Completed	31/12//2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	SuratSinganpore	100	98%	Completed	31/07/2021
7.	SuratBhatar	115	74%	Completed	31/07/2021
8.	SuratBamroli	115	77%	Completed	28/02/2022
9.	SuratAsarma	22.5	54%	Completed	05/04/2022
10.	SuratKhajod	30	36%	Completed	30/11/2021
11.	Vadodara Kapurai	60	78%	85%	31/12/2021
12.	Vadodara Chhani	50	40%	Completed	31/12/2021
13.	Vadodara Bhayli	45	45%	Completed	28/02/2022
14.	Vadodara Sayaji garden	7.5	65%	Completed	28/02/2022
15.	Rajkot Kothariya, on NH bypass	15	25%	Completed	07/09/2021
16.	Bhavnagar Axcel Industries	50	42%	Completed	31/05/2022
17.	JunagadhBilkha Road, Near CBSE School	8.2	70%	Completed	03/09/2021
18.	Rajula	5.70	13%	Completed	31/10/2021
19.	Bagasara	5.90	14%	Completed	31/10/2021
20.	Chalala	2.80	90%	Completed	31/08/2021
21.	Mahuva	16.30	90%	Completed	31/08/2021
22.	Talaja	5.80	80%	Completed	31/08/2021
23.	Una	11.70	96%	Completed	31/08/2021
24.	Bantva	2.60	98%	Completed	31/08/2021
25.	Mansa	5.00	45%	Completed	31/08/2021
26.	Dhanera	4.00	48.00%	Completed	15/11/2021
27.	Bhabhar	3.50	45%	Completed	25/09/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
28.	Thara	3.60	45%	Completed	15/11/2021
29.	Kadi	12.80	55%	Completed	05/09/2021
30.	Unjha	11.60	81%	Completed	31/08/2021
31.	Visnagar-1	12.00	97.00%	Completed	31/07/2021
32.	Visnagar-2	5.30	75%	Completed	31/08/2021
33.	Kheralu	2.90	90%	Completed	10/11/2021
34.	Vijapur	4.10	50%	Completed	10/11/2021
35.	Radhanpur	6.00	15%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	13/06/2022
36.	Idar	7.40	91.00%	Completed	31/08/2021
37.	Khedbrahma	5.80	91.00%	Completed	31/08/2021
38.	Prantij	3.70	91%	Completed	31/08/2021
39.	Talod	3.60	17%	Completed	30/10/2021
40.	Vadali	3.80	5%	Completed	30/10/2021
41.	Jambusar	5.90	62%	Completed	16/10/2021
42.	Amod	3.10	62%	Completed	16/10/2021
43.	Bilimora	8.30	15%	Completed	04/03/2022
44.	Gandevi	2.60	20%	Completed	31/03/2022
45.	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
46.	Dharampur	4.10	62%	Completed	31/08/2021
47.	Borsad	9.80	95%	Completed	31/08/2021
48.	Umreth	6.10	61%	Completed	25/08/2021
49.	Dahod	13.70	98.00%	Completed	31/07/2021
50.	Zalod	4.60	95%	Completed	31/07/2021
51.	Devgadhbariya	3.80	79%	Completed	31/07/2021
52.	Santrampur	2.91	41%	Completed	21/09/2021
53.	Kalol (P)	4.77	55%	Completed	09/09/2021
54.	Shehra	2.80	26%	Completed	30/09/2021
55.	Chhotaudepur	5.00	96%	Completed	31/07/2021
56.	Padra	5.60	82%	Completed	20/08/2021
57.	Viramgam	4.50	85%	Completed	31/08/2021
58.	Bavla	5.80	35%	Completed	12/12/2021
59.	Dhandhuka	7.50	95%	Completed	31/07/2021
60.	Bareja	3.10	85%	Completed	31/07/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
61.	Chaklasi	4.90	0.00%	Completed	31/03/2022
62.	Kapadwanj	6.20	32%	Completed	10/12/2021
63.	Mehmdabad	5.60	60%	Completed	17/11/2021
64.	Dakor	4.90	32%	Completed	10/12/2021
65.	Kheda	5.20	43%	Completed	17/11/2021
66.	Chotila-1	2.30	22%	Completed	30/09/2021
67.	Chotila-2	1.70	15.00%	Completed	30/09/2021
68.	Wadhwan	12.10	0.00%	Completed	31/03/2022
69.	Barwala	2.90	14%	Completed	17/09/2021
70.	Harij	3.00	60%	Completed	31/12/2021
71.	Chanasma	2.50	0.00%	Completed	31/12/2021
72.	Ode	2.50	35%	Completed	09/09/2021
73.	Karjan	5.20	30%	Completed	09/12/2021
74.	Vadnagar	5.94	95.00%	Completed	30/09/2021
75.	Botad	32.00	86.00%	Completed	31/07/2021
76.	Morbi-2	9.30	95%	Completed	31/07/2021
77.	Jetpur	23.50	95%	Completed	31/07/2021
78.	Gondal	16.50	55%	Completed	30/09/2021
79.	Amreli	18.20	77.00%	Completed	31/07/2021
80.	Kalol	23.50	16.00%	Completed	30/06/2022
81.	Palanpur	21.30	3.00%	95%	30/06/2022
82.	Deesa	17.00	70.00%	Completed	30/09/2021
83.	Bharuch	29.32	82.00%	90%	30/09/2021
84.	Vapi-1	14.00	55.00%	Completed	30/09/2021
85.	Anand-3	6.50	95%	Completed	31/08/2021
86.	Porbandar-1	12.80	82.00%	Completed	31/08/2021
87.	Damnagar	2.80	0.00%	Completed	11/02/2022
88.	Lathi	3.80	0.00%	Completed	11/02/2022
89.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1536.64			

New STPs for which work order given.

90.	Bhavnagar Akwada	19.2	7%	Completed	31/12/2022
91.	Anklav	3.60	20%	Completed	04/03/2022
92.	Khambhat-1	6.80	2%	Completed	04/06/2022
93.	Khambhat-2	4.50	2%	Completed	04/06/2022
94.	Thangadh	9.00	0.00%	Completed	07/06/2022
95.	Balasinor	6.50	2%	Completed	22/04/2022

96.	Savli	2.5	5%	Completed	18/04/2022
97.	Dabhoi	8.96	1%	Completed	18/04/2022
98.	Kanjari	3.3	16%	Completed	18/04/2022
99.	Halvad	6.7	0.00%	Completed	17/07/2022
100.	Rajpipla	5.02	5%	Completed	17/07/2022
101.	Pardi	4.60	0.0%	Completed	14/06/2022
102.	Mandvi Surat	3.50	0.0%	Completed	15/06/2022
103.	Ankleshwar	14.0	0.0%	Completed	15/09/2022
104.	Umargam	6.48	0.0%	Completed	14/09/2022
105.	Karamsad	7.0	0.0%	Completed	14/09/2022
106.	Boriavi	3.30	2%	Completed	14/09/2022
107.	Lunavada	5.60	0.0%	Completed	16/09/2022
108.	Palitana	10.81	0.0%	Completed	31/03/2022
Total		131.37			

Total STPs under construction: 1536.64+131.37=1668.01 MLD

Annexure-I (C)

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1.	Ahmedabad Dafnala	25	LOI Given	31/12/2022
2.	Vadodara Tarsali	100	Revised DPR under scrutiny	31/12/2022
3.	Vadodara Atladara	83	Tender to be re- invited	31/12/2022
4.	Vadodara Gajarawadi	93	Revised DPR under scrutiny	31/12/2022
5.	GandhinagarSargasan	50	LOI Given	31/12/2022
6.	Jamnagar Nr Rangmati River	50	DPR Stage	31/12/2022
7.	Junagadh Kalva	15.50	Work order given	31/12/2022
8.	Junagadh Zanzarda	11.00	Work order given	31/12/2022
9.	Junagadh near Lol river	29.50	Work order given	31/12/2022
10.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
11.	Bhanvad	3.00	Tender under approval	31/03/2022
12.	Visavadar	3.40	Tender recently approved	31/03/2022
13.	Lunawada	5.60	Tender under approval	31/03/2022

14.	Okha	10.10	Tender under approval	31/03/2022
15.	Beyt (near Okha)	1.20	Tender under approval	31/03/2022
16.	Khambhalia	5.50	Tender under approval	31/03/2022
17.	Salaya, Jamnagar	6.20	Tender under approval	31/03/2022
18.	Jamjodhpur	3.60	Tender recently approved	31/03/2022
19.	Wankaner	5.80	Tender recently approved	31/03/2022
20.	Chhaya	13.10	Tender under approval	31/03/2022
21.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
22.	Veraval- Patan	33.90	Tender to be invited	31/03/2022
23.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
24.	Babra	4.00	Under Tender evaluation	31/12/2022
25.	Kodinar	5.60	Under Tender evaluation	31/12/2022
26.	Sutrapada	4.00	Tender tobe invited	31/12/2022
27.	Talala	3.80	Under Tender evaluation	31/12/2022
28.	Chorvad	3.70	Tender recently approved	31/12/2022
29.	Halol	11.60	Tender to be invited	31/12/2022
30.	Thasra	2.30	Tender to be invited	31/12/2022
31.	Mandvi-2 (Salaya)	3.20	Tender to be invited	31/12/2022
32.	Mandvi-1 (JT Grounds)	5.30	Tender to be invited	31/12/2022
33.	Jamraval	2.60	Tender to be invited	31/12/2022
34.	Dhrol	3.60	Under tender evaluation.	31/12/2022
35.	Kalavad	4.50	Tender under approval	31/12/2022
36.	Maliya	2.50	Tender to be invited	31/12/2022
37.	Kutiyana	2.90	Tender under approval	31/12/2022
38.	Ranavav-1 (Adityana)	3.00	Tender under approval	31/12/2022
39.	Ranavav-2	4.50	Tender under approval	31/12/2022
40.	Dhoraji	12.90	Tender recently approved	31/12/2022
41.	Bhayavadar	3.10	Tender to be invited	31/12/2022
42.	Manavadar	4.90	Tender recently approved	31/12/2022
43.	Pethapur	3.80	DPR stage	30/06/2022
44.	Sikka	2.90	Tender recently approved	31/12/2022
45.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
46.	Mahesana-1	23.18	Under Tender	31/03/2022

			evaluation	
47.	Mahesana-2	18.46	Under Tender evaluation	31/03/2022
48.	Jafrabad	5.4	Tender online	31/12/2022
49.	Gariyadhar	7.1	Under Tender evaluation	31/12/2022
50.	Shihor	8.9	Under Tender evaluation	31/12/2022
51.	Mangrol	9.6	DPR/DTP stage	31/12/2022
52.	Vanthli	2.2	DPR/DTP stage	31/12/2022
53.	Modasa	12.0	Under Tender evaluation	31/12/2022
54.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
55.	Songadh	4.5	Tender recently approved	31/12/2022
56.	Limdi	7.4	DPR/DTP stage	31/12/2022
57.	Bhachau	1.0	Tender under approval	31/12/2022
58.	Rapar	5.2	Under tender evaluation.	31/12/2022
59.	Upleta	8.9	DPR/DTP stage	31/12/2022
60.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		856.57		

Newly proposed STPs.

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
61.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
62.	Gandhinagar Bhat	30	DPR Stage	31/12/2022
63.	Rajkot Raiyadhar	8.0	Tender online	31/12/2022
Total		98		

Total of Proposed STPs= 856.57+98=954.57 MLD

Annexure-II

XIII. Progress/Status Report of the River/PRS water quality Monitoring (May - 2021):

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
03/05/2021	River Kolak at N H No. 8, Morai	6.80	7.96	0.70	10.0	17	63
03/05/2021	River Kolak at Pataliya Bridge	5.60	7.79	1.40	18.0	920	1600

Note: - Does not fall in any priority as per MPRs of June-2020 to May -2021.

Annexure-II (A) STPs Results

There is no Existing STP at present

Annexure-II (B) Drain details with flow

Sr. No.	Location/Name of Drain	Name of Inletting River/Drain	Discharge (MLD)	
			Max.	Min.
1	Morai, Vapi	Bill Khadi	26 MLD	10 MLD

Annexure-II (C) CETPs Results

Not Applicable

Annexure-II (D)

Progress/Status Report of the River/PRS ground water quality Monitoring (May - 2021):

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)	SS (mg/l)	Iron (mg/l)	Lead (mg/l)	Nickel (mg/l)
03/05/2021	Borewell at Koteshwar Mahadev Temple, Vatar	5.40	7.71	0.5	10.0	<2.0	<2.0	8.0	0.523	0.010	BDL

Zinc (mg/l)	Manganese (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Hexavalent Chromium (mg/l)	Total Chromium (mg/l)	Percent Sodium	Ammonical Nitrogen (mg/l)	Total Kejeldahl Nirtogen (mg/l)	TDS (mg/l)	Conductivity (micro.s/cm)
0.451	0.030	0.03	0.45	BDL	0.048	12.21	0.28	1.12	536	1076

Annexure-III

Details w.r.t point no. XV, XVI, XVII & XVIII given by Irrigation Dept./WRD as on date

Sr. No	River name	Details/Status
1	Kolak	1.Environmental flow: • Non Perennial River • There is no storage Dam on u/s of the stretch shown. 2. Detail of Good irrigation Practices: • General Government Practice of irrigation is maintained in command area of Damnaganga reservoir project. • Farmers are made aware to use water optimally. • Canal System of Damanganga project are fully lined so as to minimize seepage losses. • As such no water logging issue noticed so far in the command area of Damanganga reservoir project. 3. Detail on Flood Plain Management Zone: • No flood hazard situation has been noticed in the vicinity of Kolak River and there is no dam on Kolak River hence need to prepare flood management plan, is not arise till today.

Annexure-IV

Details w.r.t point no.XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/river	**Existing plantation/vegetation cover details**	**Proposed plan**	**Time limit**	**Remarks**
Kolak(kikarla to salvav)	Nil	0.25 lacs Plantation to be done in 2020-2021	2020-2021	As per AAP (Annexure A) for both side plantation on PRS during 2020-21.

Annexure – A

List of Polluted River Stretches of Gujarat (River Both side Plantation AAP in 2020-21)		
Sr. No.	River	Plants (In lakhs)
1.	Sabarmati	1.54
2.	Bhadar	0.20
3.	Amlakhadi	0.10
4.	Bhogavo	0.60
5.	Khari	0.02
6.	Vishwamitri	0.15
7.	Dhadhar	1.10
8.	Triveni	0.10
9.	Amravati	0.10
10.	Damanganga	0.25
11.	Kolak	0.25
12.	Mahi	0.20
13.	Shedhi	0.15
14.	Tapi	0.35
15.	Anas	0.05
16.	Baleshwar Khadi	0.02
17.	Kim	0.02
18.	Meshwo	0.40
19.	Mindhola	0.05
20.	Narmada	0.45
Total		6.10

Plantation of **6.91** lakh trees have been carried out on both the sides of polluted river stretches against the action plan for planting 6.10 lakh trees

Annexure-V

Details received from concerned department regarding reuse of treated wastewater

Treated waste water utilization policy:

- Gujarat Government has framed Policy for Reuse of "Treated Waste Water (TWW)" by maximising the collection and treatment of sewage generated and reusing the treated wastewater on a sustainable basis. In this regards, revised action plan has been submitted by Gujarat Water Supply and Sewerage Board (GWSSB) to Chairman, CPCB where one of the objectives of the revised action plan is to reuse 70% of treated wastewater by 2025 and 100% of treated wastewater by 2030.
- As per the details received from Gujarat Water Supply & Sewerage Board, Latest status of Treated waste water reuse in the State is as under:

	Status		
	TWW reuse started (MLD)	TWW reuse projects in tender/execution stage (MLD)	TWW reuse under planning (MLD)
Municipal Corporations	623.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**646.68**	**250**	**790.4**

Annexure-VI

Non-Complying / Partially non-complying CETPs
April- 2021

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	508
		BOD	30	42
2.	M/s. Odhav Enviro Project Ltd., Odhav, Ahmedabad	COD	250	407
		BOD	30	39
3.	M/s. Gujarat Vepari Maha Mandal Sahkari Udhyogik Vasahat Ltd, Ahmedabad	NH3-N	50	80.5
4.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	BOD	30	31
		NH3-N	50	130.2
5.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	420
		BOD	30	35
		SS	100	118
6.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	COD	250	1697
		BOD	30	321
		SS	100	326
7.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	891
		SS	100	156
		NH3-N	50	63.14
8.	M/s. Vinayak Jal SudhikaranSahakariMandali Ltd, Bavla, Ahmedabad	SS	100	164
9.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	138
10.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar.	COD	500	942
		NH_3-N	50	137.2
11.	M/s. Panoli Enviro Technology Ltd., GIDC-Panoli, Bharuch	SS	150	280
12.	M/s. Gujarat Eco Textile Park Pvt. Ltd, Palsana, Surat	SS	<60	98
13.	Vapi Green Enviro Ltd (VGEL, Vapi) (Old Name-Vapi Waste & Effluent Management Co. Ltd) (GPCB ID: 24764)	NH_3-N	50	80.5

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
14.	M/s. Sarigam Clean Initiative (Old Name-Gujarat Industrial Development Corporation), Sarigam.	SS	100	110
15.	M/s Jetpur Dying & Printing Association, Jetpur, Rajkot	COD	250	664
		BOD	100	212
16.	M/s. Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	151
		BOD	30	49
17.	M/s. Jay Khodiyar Enviro-Technologies Pvt. Ltd., Rajkot	PH	6.5 to 8.5	8.72
18.	M/s CETP of Dahej Industrial Estate	COD	250	544
		NH3-N	50	112

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Gujarat
Monthly Progress Report of PRS Mahi for May – 2021.

Overall status of the State:

I. Total Population: Urban Population – 2,57,45,083, Rural Population – 3,46,94,609 (Census - 2011)

II. Estimated Sewage Generation (MLD):4003 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): 73 nos, 3485 MLD
  [7 under construction STPs are now complete and are now under trial run i.e additional 183.56 MLD]
- Capacity Utilization of existing STPs: 2739 MLD
  [additional utilization capacity as on May 2021 – 192.95 MLD from existing + newly commissioned STPs]
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
  [334.44 MLD - Gap considering 3668.56 MLD treatment capacity i.e 3485 MLD + 183.56 MLD]
- No. of Operational STPs: 73 [80 as on May 2021]
- No. of Complying STPs: 15
- No. of Non-complying STPs: 27 (including STPs not obtained CTE & CCA)
- ULBs having Oxidation ponds: 9
- Site of the STPs not visited: 17
- STPs not in operation during the site visit:3
- Details of STPs not available: 2
- STPs just commissioned / under trial run: 7
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 16, ➢ Non complying: 18 (Please refer Annexure VI) *(as per CM dash board data for **April - 2021**, available on Board's website)

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Gujarat	44143	Not available	Out of 12815 water polluting industries 12700 industries having ETP. 12551 ETPs are complying with norms.	Existing CETPs : 34 Propose/Under construction/under expansion: 19

V. Solid Waste Management:

Particulars	Data
Total number of Urban Local Bodies and their population	162
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF	• There are total No. 755 of Plants for Vermi / Aerobic/ anaerobic Composting of installed processing capacity 7477 TPD. • There are 232 plants Material Recovery Facilities (MRF) with processing capacity of 5441.93 TPD installed capacity. • There are 5 plants of RDF with processing of 1390.25 TPD. • Biogas 29 plants with capacity of 1086 TPD.
Action plan to bridge gap between installed capacity and current utilization of processing facilities (if gap > 20%)	Gap is less than 20% hence not applicable.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	There are 2 Processing plants C & D Waste with processing capacity of 1300 TPD.
Total no. of wards: no. of wards having door to door collection service: no. of wards practicing segregation at source falling into PRS:	1418 1418 Information not available
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Information not available
No. and area (in acres) of uncontrolled garbage dumpsites and sanitary landfills.	Information not available
No. and area (in acres) of legacy waste within 1km. buffer on both side of the PRS	Information not available
No. of drains falling into PRS and no. of drains having floating racks/screens installed to prevent solid waste from falling into PRS	Not provided, however in-situ remediation at Ankleshwar and Kheda municipalities are under implementation. It will be commenced in all 7 municipalities related to PRS within one month after positive results of technology.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Details are being prepared.					

VI. Bio-medical Waste Management:

- Total Bio-medical generation(Related to entire State): 36.42 MT/day
  Total Bio-medical generation(Related to PRS): 27.54 MT/day
- No. of Hospitals and Health Care Facilities(Related to entire State): 31286
  No. of Hospitals and Health Care Facilities(Related to PRS): 28399
- Status of Treatment Facility/ CBMWTF(Related to entire State)
  : Existing – 20, Proposed – 1
  Capacity – 126 MT/day
  Status of Treatment Facility/ CBMWTF(Related to PRS): Existing – 16
  Capacity – 108 MT/day

VII. Hazardous Waste Management:

- Total Hazardous waste generation: 2.5 to 2.7 MMT as per HW inventory which includes landfill, incineration, recycling and co-processing. (It depends upon the industrial operation of the year)
- No. of Industries generating Hazardous waste : About 19683 as per HW inventory 19-20
- Treatment capacity of all TSDFs: Total installed capacity about 8626332MT
- Avg. quantity of HW reaching TSDF and treated : 1.3 MMT as per HW inventory 19-20
- Details of ongoing or proposed TSDF: 7 no. proposed TSDF having total installed capacity about 36lac MT

VIII. Plastic Waste Management:

Details		Quantity/Capacity
• Plastic waste generated:		408201.08 TPA (April 2019-March 2020)
• Treatment/Measures adopted for reduction or management of Plastic waste:		
Disposal of Plastic Waste through	Co-processing	109157.435 MT (from April 2019 to August 2020)
	Recycler	Total no. recycling units: 597 Capacity of recycling plastic waste: 11,13,526.56 MT/Y
	Refuse Derived Fuel	MSW units : 2 Quantity of final product sold is 129,575 MT/Annum containing 7 % of plastic waste i.e. 9071 MT/Annum (April 2019-March 2020)
	Pyrolysis	Total no. of operational units: 2 Cap. to convert plastic waste into oil: 5075 TPA Plastic used as raw material: 600 MT/M

IX.	Details of Alternate Treatment Technology being adopted by the State/UT:
-Ahmedabad & Vadodara Municipal Corporations have set up dry sewage sludge hygienisation Cobalt – 60 gamma irradiation plant. (Ahmedabad Municipal Corporation - 100 tonnes per day) - Legacy waste treatment at Pirana dumping site, Ahmedabad.	
X.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment:
Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan. Proposal not received from PRH & RDD/ Concerned for in-situ remediation.	
XI.	Details of Nodal Officer appointed by Chief Secretary in the State/UT:
In compliance to the direction of Hon'ble NGT with reference to set up of Monitoring Mechanism, Deputy Environmental Engineer (ShriT.C.Patel) has been deputed vide letter dated 10.06.2020 at Chief Secretary office to look after the Hon'ble NGT matters.	
XII.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
All NGT matters are being reviewed regularly under chairmanship of Hon'ble CS.Total 2 review meetings are conducted so far under the chairmanship of Hon'ble CS to monitor the progress with reference to the action plans submitted w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 673/2018and to resolve various issues/non -compliances. Last meeting was convened on 10/09/2020 under the chairmanship of Hon'ble Chief Secretary Gujarat State. Two review meetings have been convened so far w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 606/2018 which also includes the review of matters related to O.A. No.:-673/2018.	
XIII.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;
Details are attached as **Annexure – II**	
XIV.	Ground water regulation:
GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" Final comments /suggestions were sought by GWRDC vide letter dated 02/11/2020 from concerned departments for finalization of the draft bill. Seven meetings of sub-committee have been convened so far for finalization of the draft bill. The final draft bill was approved by the sub-	

committee during the meeting held on 12/11/2020 as per the minutes of meeting. The final draft of the bill has been submitted to the Chairman of the Committee andSpecial Secretary, (WR), Narmada Water Resource, Water Supply &Kalpsar department,Govt. of Gujarat, for consideration in the main committee meeting.	
XV.	Good irrigation practices being adopted by the State:
XVI.	Rain Water Harvesting:
XVII.	Demarcation of Floodplain and removal of illegal encroachments:
XVIII.	Maintaining minimum e-flow of river:
Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date is attached as **Annexure – III.**	
XIX.	Plantation activities along the rivers:
Details w.r.t point no. XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV**	
XX.	Development of biodiversity park:
As per the information received from GBB, vide letter dated 24.04.2020, Forest Dept. has established a very rich Botanical Garden at Waghai, Dangs. It also has a chain of Research Stations, Germ Plasms Banks, Provenance Banks, Sample Plots, Preservation Plots spread all over the State. Many working plans have Conservation or Preservation Working Circles for the express purpose of Biodiversity Conservation. The National Working Pan Code 2014 also mandates a Biodiversity Conservation Working Circle. All plans coming up for revision now shall have a Biodiversity Conservation Working Circle. Besides a host of Biodiversity based activities like Cactus Park, Ekta Van, Ekta Nursery, and Nutritional Park etc., have come up at Statue of Unity. Moreover, Shakkarbaug Zoo is an "A" Category zoological park along with many other zoological parks at Rajkot, Ahmedabad, Gandhinagar, Vadodara, Surat, Kevadiya etc. All these are repositories of biodiversity. Therefore, these may be treated as a Biodiversity park is totality. GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 Crore for the development of Biodiversity Park. Team suggested tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.	
XXI.	Reuse of Treated Water:
Details are attached as **Annexure – V**	
XXII.	Model River being adopted by the State & Action Proposed for achieving the

	bathing quality standards:
River Sabarmati has been selected as model river stretch during the 9thRRC meeting held on 27.11.2020.	
XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:
Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms. STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.	
XXIV.	Regulation of Mining Activities in the State/UT:
Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.	
XXV.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring
• Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 . • Number of closure directions to defaulting units under section 31 A of Air Act – 1981: 5703 respectively. • Number of notice of directions to defaulting units under section 33 A of Water Act – 1974: 17263. • Number of closure directions to defaulting units under section 33 A of Water Act – 1974: 11383. • Number of notice of directions under rule 4(2) of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 4130 • Number of closure directions under section 5 of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 1583 (As per Annual report – 2018-19)	

***Note: Incremental progress made by the State/UT in each activity to be provided.**

RRC meetings:

RRC meetings are regularly being held at GPCB, Gandhinagar to review the progress and the minutes of the meeting having progress status is regularly submitted to CPCB. Last RRC (9^{th} RRC) meeting was conducted on 27/11/2020.Following are the gist of main points discussed during the meeting:

- Concerned departments / authorities/ organizations were asked to submit proposals with elongated /revised timeline for completion of the projects with the justification
- Concerned departments / authorities/ organizations were asked to furnish details of incremental progress of the projects & activities proposed under the Action Plans of Polluted River Stretches
- All the concerned Municipal Corporations & Nagapalikas were asked to submit the list of STPs not complying with the norms and proposals for up-gradation of the STPs not complying with the norms along with the timeline for completion of the same.
- GWSSB was asked to submit STP wise progress of land issues on monthly basis to RRC and GPCB.
- River Sabarmati has been selected as model river stretch.

STPs: There is no any domestic discharge/outlet in to this stretch

CETPs: No any industrial effluent is being discharged into the stretch of River Mahi.

Annexure-I (A)

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
1	Ahmedabad Pirana 2009	60	60	Operational	Non Compliance	
2	Ahmedabad Old Pirana 2004	106	106	Operational	Non Compliance	SCN-587981
3	Ahmedabad Pirana 2009	180	180	Operational	Non Compliance	
4	Ahmedabad Vasna 2004	126	126	Operational	Non Compliance	
5	Ahmedabad Vasna 2009	35	35	Operational	Compliance	
6	Ahmedabad Vasna 2011	240	235	Operational	Compliance	
7	Ahmedabad Vinzol 2011	70	70	Operational	Compliance	
8	Ahmedabad Vasna 2018	48	48	Operational	Compliance	
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Compliance	
10	Ahmedabad Vinzol 2020	35	30	Operational	Compliance	
11	Ahmedabad Arvind Mill	8	8	Operational	Compliance	
12	Ahmedabad Rasala	1	1	Operational	Not in operation during site visit	
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Site not visited	Only obtained ID, Not applied for CTE/CCA
14	Ahmedabad V S Hospital	1	1	Operational	Compliance	
15	Ahmedabad Nikol	0.5	0.5	Operational	Details not available	
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Compliance	
17	Ahmedabad Lambha	5	2	Operational	Details not available	
18	Surat Singanpore 2003/2014	155	147.58	Operational	Compliance	
19	Surat Karanj	140	136.59	Operational	Site not visited	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
	1999/2015					
20	Surat Bhatar 1999/2014/2017	162	162	Operational	Site not visited	
21	Surat Anjana 1995/2007/2019	122	121	Operational	Site not visited	
22	Surat Bamroli 2008/2019	100	100	Operational	Non Compliance	SCN-591844
23	Surat Bhesan 1995/2009/2020	200 (100 existing + 100 proposed expansion)	120.52	Operational	Site not visited	
24	Surat Khajod 2011	25	24.20	Operational	Site not visited	
25	Surat Asarama 2011	15	15	Operational	Non Compliance	SCN-591208
26	Surat Dindoli 2012/2019	167	72.50	Operational	Site not visited	
27	Surat Variav-Kosad 2012/2017	134	131	Operational	Compliance	
28	Surat Gavier 2016	53	16	Operational	Non Compliance	SCN-589968
29	Vadodara Tarsali	52	58	Operational	Non Compliance	SCN-591157
30	Vadodara Gajarawadi	66	72	Operational	Non Compliance	SCN-591155
31	Vadodara Kapurai	43	50	Operational	Non Compliance	SCN-591156
32	Vadodara Rajivnagar	78	55	Operational	Compliance	
33	Vadodara Sayaji garden	8.5	7	Operational	Non Compliance	
34	Vadodara Channi	21	21	Operational	Non Compliance	SCN-590935
35	Vadodara Atladara (old)	43	51	Operational	Non Compliance	SCN-28/05/2021
36	Vadodara Atladara (new)	43	43	Operational	Non Compliance	SCN-28/05/2021
37	Gandhinagar Jaspur 2007	76	45	Operational	Non Compliance	SCN-589724

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Non Compliance	
39	Gandhinagar Basan 2011-12	2	1.0	Operational	Non Compliance	SCN-590220
40	Rajkot Nr Raiya village 2010	51	45	Operational	Site not visited	
41	Rajkot Raiyadhar 2017	56	35	Operational	Compliance	
42	Rajkot Nr Madhapar 2018	44.5	16	Operational	Non Compliance	
43	Rajkot Nr Kothariya Village 2017	15	9	Operational	Non Compliance	
44	Rajkot Gavaridad 2018	70	35	Operational	Non Compliance	
45	Rajkot Madhapar 2019	80	30	Operational	Non Compliance	SCN-5858200
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Site not visited	
47	Bhavnagar Behind Excel industries	45	40	Operational	Site not visited	
48	Jamnagar Navagam Ghed	70	70	Operational	Site not visited	
49	Gandhidham - Anjar	30.00	22	Operational	Site not visited	
50	Patan	25.00	13	Operational	Site not visited	
51	Nadiad	51.26	20	Operational	Not in operation	
52	Siddhpur	5.62	5	Operational	Oxidation pond	
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond	
54	Sanand	20.50	0	Non - Operational	Site not visited	
55	Himmatnagar	17.51	6	Operational	Site not visited	
56	Petlad	10.37	8	Operational	Non Compliance	
57	Dholka	13.60	8	Operational	Non Compliance	
58	Savarkundla	13.90	5	Operational	Oxidation pond	
59	Gadhda	6.50	2	Operational	Oxidation pond	
60	Kathlal	3.80	2.59	Operational	Oxidation pond	
61	Mahudha	2.10	1.76	Operational	Oxidation pond	
62	Bayad	4.00	2.06	Operational	Oxidation pond	
63	Patadi	2.80	1.33	Operational	Oxidation pond	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
64	Sojitra	2.30	2	Operational	Oxidation pond	
65	Dwarka	7.50	2.28	Operational	Site not visited	Not obtained CTE/CCA
66	Godhra	27.60	4	Operational	Site not visited	
67	Bhuj	23.70	19	Operational	Non Compliance	Not obtained CTE/CCA
68	Bhachau	10	4	Operational	Non compliance	Not obtained CTE & CCA
69	Anand (Lambhvel)	33	9	Operational	Compliance	Not obtained CTE/CCA
70	Anand (TP-8)	13.5	2.5	Operational	Non Compliance	SCN-589391
71	Surendranagar	32.3	17	Operational	Compliance	
72	Valsad-1	20.2	2	Operational	Not in operation during site visit	
73	Morbi	28.8	6	Operational	Non Compliance	
Total		3598.86	2915.91			

New STPs under trail run.

74	Jasdan	8.80	4.0	Under trial run	
75	Tharad	4.80	2.5	Under trial run	
76	Dehgam	7.60	4.0	Under trial run	
77	Dhangadhra	11.60	1.04	Under trial run	
78	Porbandar	19.10	3.0	Under trial run	
79	Bardoli	11.30	0.0	Under trial run	
80	Vyara	6.50	1.50	Under trail run	
Total		69.7	16.04		

CTE: Consent to Establish, CC&A: Consolidated Consents and Authorization.

Annexure-I (B)

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1.	Ahmedabad Vinzol	100	95%	Completed	31/08/2021
2.	Ahmedabad Pirana	155	93%	Completed	31/08/2021
3.	Ahmedabad Maleksaban	30	30%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	02%	Completed	31/12//2022

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	SuratSinganpore	100	98%	Completed	31/07/2021
7.	SuratBhatar	115	74%	Completed	31/07/2021
8.	SuratBamroli	115	77%	Completed	28/02/2022
9.	SuratAsarma	22.5	54%	Completed	05/04/2022
10.	SuratKhajod	30	36%	Completed	30/11/2021
11.	Vadodara Kapurai	60	78%	85%	31/12/2021
12.	Vadodara Chhani	50	40%	Completed	31/12/2021
13.	Vadodara Bhayli	45	45%	Completed	28/02/2022
14.	Vadodara Sayaji garden	7.5	65%	Completed	28/02/2022
15.	Rajkot Kothariya, on NH bypass	15	25%	Completed	07/09/2021
16.	Bhavnagar Axcel Industries	50	42%	Completed	31/05/2022
17.	JunagadhBilkha Road, Near CBSE School	8.2	70%	Completed	03/09/2021
18.	Rajula	5.70	13%	Completed	31/10/2021
19.	Bagasara	5.90	14%	Completed	31/10/2021
20.	Chalala	2.80	90%	Completed	31/08/2021
21.	Mahuva	16.30	90%	Completed	31/08/2021
22.	Talaja	5.80	80%	Completed	31/08/2021
23.	Una	11.70	96%	Completed	31/08/2021
24.	Bantva	2.60	98%	Completed	31/08/2021
25.	Mansa	5.00	45%	Completed	31/08/2021
26.	Dhanera	4.00	48.00%	Completed	15/11/2021
27.	Bhabhar	3.50	45%	Completed	25/09/2021
28.	Thara	3.60	45%	Completed	15/11/2021
29.	Kadi	12.80	55%	Completed	05/09/2021
30.	Unjha	11.60	81%	Completed	31/08/2021
31.	Visnagar-1	12.00	97.00%	Completed	31/07/2021
32.	Visnagar-2	5.30	75%	Completed	31/08/2021
33.	Kheralu	2.90	90%	Completed	10/11/2021
34.	Vijapur	4.10	50%	Completed	10/11/2021
35.	Radhanpur	6.00	15%	98% (All civil work completed except 150 m rising main balanced due to	13/06/2022

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
				local opposition)	
36.	Idar	7.40	91.00%	Completed	31/08/2021
37.	Khedbrahma	5.80	91.00%	Completed	31/08/2021
38.	Prantij	3.70	91%	Completed	31/08/2021
39.	Talod	3.60	17%	Completed	30/10/2021
40.	Vadali	3.80	5%	Completed	30/10/2021
41.	Jambusar	5.90	62%	Completed	16/10/2021
42.	Amod	3.10	62%	Completed	16/10/2021
43.	Bilimora	8.30	15%	Completed	04/03/2022
44.	Gandevi	2.60	20%	Completed	31/03/2022
45.	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
46.	Dharampur	4.10	62%	Completed	31/08/2021
47.	Borsad	9.80	95%	Completed	31/08/2021
48.	Umreth	6.10	61%	Completed	25/08/2021
49.	Dahod	13.70	98.00%	Completed	31/07/2021
50.	Zalod	4.60	95%	Completed	31/07/2021
51.	Devgadhbariya	3.80	79%	Completed	31/07/2021
52.	Santrampur	2.91	41%	Completed	21/09/2021
53.	Kalol (P)	4.77	55%	Completed	09/09/2021
54.	Shehra	2.80	26%	Completed	30/09/2021
55.	Chhotaudepur	5.00	96%	Completed	31/07/2021
56.	Padra	5.60	82%	Completed	20/08/2021
57.	Viramgam	4.50	85%	Completed	31/08/2021
58.	Bavla	5.80	35%	Completed	12/12/2021
59.	Dhandhuka	7.50	95%	Completed	31/07/2021
60.	Bareja	3.10	85%	Completed	31/07/2021
61.	Chaklasi	4.90	0.00%	Completed	31/03/2022
62.	Kapadwanj	6.20	32%	Completed	10/12/2021
63.	Mehmdabad	5.60	60%	Completed	17/11/2021
64.	Dakor	4.90	32%	Completed	10/12/2021
65.	Kheda	5.20	43%	Completed	17/11/2021
66.	Chotila-1	2.30	22%	Completed	30/09/2021
67.	Chotila-2	1.70	15.00%	Completed	30/09/2021
68.	Wadhwan	12.10	0.00%	Completed	31/03/2022
69.	Barwala	2.90	14%	Completed	17/09/2021
70.	Harij	3.00	60%	Completed	31/12/2021
71.	Chanasma	2.50	0.00%	Completed	31/12/2021
72.	Ode	2.50	35%	Completed	09/09/2021
73.	Karjan	5.20	30%	Completed	09/12/2021
74.	Vadnagar	5.94	95.00%	Completed	30/09/2021
75.	Botad	32.00	86.00%	Completed	31/07/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
76.	Morbi-2	9.30	95%	Completed	31/07/2021
77.	Jetpur	23.50	95%	Completed	31/07/2021
78.	Gondal	16.50	55%	Completed	30/09/2021
79.	Amreli	18.20	77.00%	Completed	31/07/2021
80.	Kalol	23.50	16.00%	Completed	30/06/2022
81.	Palanpur	21.30	3.00%	95%	30/06/2022
82.	Deesa	17.00	70.00%	Completed	30/09/2021
83.	Bharuch	29.32	82.00%	90%	30/09/2021
84.	Vapi-1	14.00	55.00%	Completed	30/09/2021
85.	Anand-3	6.50	95%	Completed	31/08/2021
86.	Porbandar-1	12.80	82.00%	Completed	31/08/2021
87.	Damnagar	2.80	0.00%	Completed	11/02/2022
88.	Lathi	3.80	0.00%	Completed	11/02/2022
89.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1536.64			

New STPs for which work order given.

90.	Bhavnagar Akwada	19.2	7%	Completed	31/12/2022
91.	Anklav	3.60	20%	Completed	04/03/2022
92.	Khambhat-1	6.80	2%	Completed	04/06/2022
93.	Khambhat-2	4.50	2%	Completed	04/06/2022
94.	Thangadh	9.00	0.00%	Completed	07/06/2022
95.	Balasinor	6.50	2%	Completed	22/04/2022
96.	Savli	2.5	5%	Completed	18/04/2022
97.	Dabhoi	8.96	1%	Completed	18/04/2022
98.	Kanjari	3.3	16%	Completed	18/04/2022
99.	Halvad	6.7	0.00%	Completed	17/07/2022
100.	Rajpipla	5.02	5%	Completed	17/07/2022
101.	Pardi	4.60	0.0%	Completed	14/06/2022
102.	Mandvi Surat	3.50	0.0%	Completed	15/06/2022
103.	Ankleshwar	14.0	0.0%	Completed	15/09/2022
104.	Umargam	6.48	0.0%	Completed	14/09/2022
105.	Karamsad	7.0	0.0%	Completed	14/09/2022
106.	Boriavi	3.30	2%	Completed	14/09/2022
107.	Lunavada	5.60	0.0%	Completed	16/09/2022
108.	Palitana	10.81	0.0%	Completed	31/03/2022
Total		131.37			

Total STPs under construction: 1536.64+131.37=1668.01 MLD

Annexure-I (C)

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1.	Ahmedabad Dafnala	25	LOI Given	31/12/2022
2.	Vadodara Tarsali	100	Revised DPR under scrutiny	31/12/2022
3.	Vadodara Atladara	83	Tender to be re- invited	31/12/2022
4.	Vadodara Gajarawadi	93	Revised DPR under scrutiny	31/12/2022
5.	GandhinagarSargasan	50	LOI Given	31/12/2022
6.	Jamnagar Nr Rangmati River	50	DPR Stage	31/12/2022
7.	Junagadh Kalva	15.50	Work order given	31/12/2022
8.	Junagadh Zanzarda	11.00	Work order given	31/12/2022
9.	Junagadh near Lol river	29.50	Work order given	31/12/2022
10.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
11.	Bhanvad	3.00	Tender under approval	31/03/2022
12.	Visavadar	3.40	Tender recently approved	31/03/2022
13.	Lunawada	5.60	Tender under approval	31/03/2022
14.	Okha	10.10	Tender under approval	31/03/2022
15.	Beyt (near Okha)	1.20	Tender under approval	31/03/2022
16.	Khambhalia	5.50	Tender under approval	31/03/2022
17.	Salaya, Jamnagar	6.20	Tender under approval	31/03/2022
18.	Jamjodhpur	3.60	Tender recently approved	31/03/2022
19.	Wankaner	5.80	Tender recently approved	31/03/2022
20.	Chhaya	13.10	Tender under approval	31/03/2022
21.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
22.	Veraval- Patan	33.90	Tender to be invited	31/03/2022
23.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
24.	Babra	4.00	Under Tender evaluation	31/12/2022
25.	Kodinar	5.60	Under Tender evaluation	31/12/2022
26.	Sutrapada	4.00	Tender tobe invited	31/12/2022

27.	Talala	3.80	Under Tender evaluation	31/12/2022
28.	Chorvad	3.70	Tender recently approved	31/12/2022
29.	Halol	11.60	Tender to be invited	31/12/2022
30.	Thasra	2.30	Tender to be invited	31/12/2022
31.	Mandvi-2 (Salaya)	3.20	Tender to be invited	31/12/2022
32.	Mandvi-1 (JT Grounds)	5.30	Tender to be invited	31/12/2022
33.	Jamraval	2.60	Tender to be invited	31/12/2022
34.	Dhrol	3.60	Under tender evaluation.	31/12/2022
35.	Kalavad	4.50	Tender under approval	31/12/2022
36.	Maliya	2.50	Tender to be invited	31/12/2022
37.	Kutiyana	2.90	Tender under approval	31/12/2022
38.	Ranavav-1 (Adityana)	3.00	Tender under approval	31/12/2022
39.	Ranavav-2	4.50	Tender under approval	31/12/2022
40.	Dhoraji	12.90	Tender recently approved	31/12/2022
41.	Bhayavadar	3.10	Tender to be invited	31/12/2022
42.	Manavadar	4.90	Tender recently approved	31/12/2022
43.	Pethapur	3.80	DPR stage	30/06/2022
44.	Sikka	2.90	Tender recently approved	31/12/2022
45.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
46.	Mahesana-1	23.18	Under Tender evaluation	31/03/2022
47.	Mahesana-2	18.46	Under Tender evaluation	31/03/2022
48.	Jafrabad	5.4	Tender online	31/12/2022
49.	Gariyadhar	7.1	Under Tender evaluation	31/12/2022
50.	Shihor	8.9	Under Tender evaluation	31/12/2022
51.	Mangrol	9.6	DPR/DTP stage	31/12/2022
52.	Vanthli	2.2	DPR/DTP stage	31/12/2022
53.	Modasa	12.0	Under Tender evaluation	31/12/2022
54.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
55.	Songadh	4.5	Tender recently approved	31/12/2022
56.	Limdi	7.4	DPR/DTP stage	31/12/2022
57.	Bhachau	1.0	Tender under approval	31/12/2022
58.	Rapar	5.2	Under tender evaluation.	31/12/2022
59.	Upleta	8.9	DPR/DTP stage	31/12/2022
60.	Kadodara	-	DPR/DTP stage	31/12/2022

Total	856.57		

Newly proposed STPs.

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
61.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
62.	Gandhinagar Bhat	30	DPR Stage	31/12/2022
63.	Rajkot Raiyadhar	8.0	Tender online	31/12/2022
Total		98		

Total of Proposed STPs= 856.57+98=954.57 MLD

Annexure-II

XIII. Latest water quality of polluted river

Month	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
May 2021	River Mahi at Sevalia	8.0	8.16	0.6	5.0	11	63

Note: - Does not fall in any priority as per MPRs for the month of July – 2020 to May – 2021.

Annexure-III

Details w.r.t point no. XV, XVI, XVII & XVIII given by Irrigation Dept./WRD as on date

Sr.No	River name	Details/Status
1	Mahi	1. Environmental flow: • Minimum 300 cusecs water is released on d/s of Wanakbori weir or escapes constructed on Mahi right bank canal. Excess flood water will be realised in Monsoon as per availability. 2. Detail of Good Irrigation Practices: • General Government practice of irrigation is maintained in command area of Mahi stage-1 project. The MRBC-1 caters 2,72,515 Ha. Area covering Anand and Kheda District. In case of acute shortage of water, the canals are run on rotational basis as to use water effectively. Farmers are made aware to use water optimally. Our majority of canal is Lined canal as to minimize seepage loss of water logging problem. 3. Detail on Flood Plain Management Zone: • As far as Mahi Stage-1 project is concerned, 267 villages of Anand, Kheda, Panchmahaal, Mahisagar and Vadodara District are identified which may have affected due to floods in downstream of Wanakbori weir for more than 12,65,000 cusecs discharge from Wanakbori weir, in different inflow conditions, gradually white, blue and red signals are being issued well in time depending upon inflow inflow into wanakbori weir. In such condition people of those villages are warned through early warning arrangement in consultation with Revenue Dept. the flood cells are made operational 24 hours ago throughout the monsoon.

Annexure-IV

Details w.r.t point no.XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/river	**Existing plantation/vegetation cover details**	**Proposed plan to cover remaining gap along river /river stretch**	**Time limit**	**Remarks**
Mahi, Shedhi	8,32,000 Plants were planted along the Mahi, Shedhi and Other river in the areas available under the Vanmahotsav and other Schemes of the forest Department with the co-operation of local People.	Mahi:- 0.20 lacs Plantation to be done in 2020-2021	2020-2021	As per AAP (Annexure A) for both side plantation on PRS during 2020-21.

Annexure – A

List of Polluted River Stretches of Gujarat (River Both side Plantation AAP in 2020-21)		
Sr. No.	River	Plants (In lakhs)
1.	Sabarmati	1.54
2.	Bhadar	0.20
3.	Amlakhadi	0.10
4.	Bhogavo	0.60
5.	Khari	0.02
6.	Vishwamitri	0.15
7.	Dhadhar	1.10
8.	Triveni	0.10
9.	Amravati	0.10
10.	Damanganga	0.25
11.	Kolak	0.25
12.	Mahi	0.20
13.	Shedhi	0.15
14.	Tapi	0.35
15.	Anas	0.05
16.	Baleshwar Khadi	0.02
17.	Kim	0.02
18.	Meshwo	0.40
19.	Mindhola	0.05
20.	Narmada	0.45
Total		6.10

Plantation of **6.91** lakh trees have been carried out on both the sides of polluted river stretches against the action plan for planting 6.10 lakh trees

Annexure-V

Details received from concerned department regarding reuse of treated wastewater

Treated waste water utilization policy:

- Gujarat Government has framed Policy for Reuse of "Treated Waste Water (TWW)" by maximising the collection and treatment of sewage generated and reusing the treated wastewater on a sustainable basis. In this regards, revised action plan has been submitted by Gujarat Water Supply and Sewerage Board (GWSSB) to Chairman, CPCB where one of the objectives of the revised action plan is to reuse 70% of treated wastewater by 2025 and 100% of treated wastewater by 2030.
- As per the details received from Gujarat Water Supply & Sewerage Board, Latest status of Treated waste water reuse in the State is as under:

	Status		
	TWW reuse started (MLD)	TWW reuse projects in tender/execution stage (MLD)	TWW reuse under planning (MLD)
Municipal Corporations	623.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**646.68**	**250**	**790.4**

Annexure-VI

Non-Complying / Partially non-complying CETPs
April- 2021

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	508
		BOD	30	42
2.	M/s. Odhav Enviro Project Ltd., Odhav, Ahmedabad	COD	250	407
		BOD	30	39
3.	M/s. Gujarat Vepari Maha Mandal Sahkari Udhyogik Vasahat Ltd, Ahmedabad	NH3-N	50	80.5
4.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	BOD	30	31
		NH3-N	50	130.2
5.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	420
		BOD	30	35
		SS	100	118
6.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	COD	250	1697
		BOD	30	321
		SS	100	326
7.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	891
		SS	100	156
		NH3-N	50	63.14
8.	M/s. Vinayak Jal SudhikaranSahakariMandali Ltd, Bavla, Ahmedabad	SS	100	164
9.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	138
10.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar.	COD	500	942
		NH_3-N	50	137.2
11.	M/s. Panoli Enviro Technology Ltd., GIDC-Panoli, Bharuch	SS	150	280
12.	M/s. Gujarat Eco Textile Park Pvt. Ltd, Palsana, Surat	SS	<60	98
13.	Vapi Green Enviro Ltd (VGEL, Vapi) (Old Name-Vapi Waste & Effluent Management Co. Ltd) (GPCB ID: 24764)	NH_3-N	50	80.5

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
14.	M/s. Sarigam Clean Initiative (Old Name-Gujarat Industrial Development Corporation), Sarigam.	SS	100	110
15.	M/s Jetpur Dying & Printing Association, Jetpur, Rajkot	COD	250	664
		BOD	100	212
16.	M/s. Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	151
		BOD	30	49
17.	M/s. Jay Khodiyar Enviro-Technologies Pvt. Ltd., Rajkot	PH	6.5 to 8.5	8.72
18.	M/s CETP of Dahej Industrial Estate	COD	250	544
		NH3-N	50	112

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Gujarat
Monthly Progress Report of PRS Shedhi for May - 2021.

Overall status of the State:

I. **Total Population:** Urban Population – 2,57,45,083, Rural Population – 3,46,94,609 (Census - 2011)

II. **Estimated Sewage Generation (MLD):** 4003 MLD

III. **Details of Sewage Treatment Plant:**

- Existing no. of STPs and Treatment Capacity (in MLD): 73 nos, 3485 MLD
  [7 under construction STPs are now complete and are now under trial run i.e additional 183.56 MLD]
- Capacity Utilization of existing STPs: 2739 MLD
  [additional utilization capacity as on May 2021 – 192.95 MLD from existing + newly commissioned STPs]
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
  [334.44 MLD - Gap considering 3668.56 MLD treatment capacity i.e 3485 MLD + 183.56 MLD]
- No. of Operational STPs: 73 [80 as on May 2021]
- No. of Complying STPs: 15
- No. of Non-complying STPs: 27 (including STPs not obtained CTE & CCA)
- ULBs having Oxidation ponds: 9
- Site of the STPs not visited: 17
- STPs not in operation during the site visit:3
- Details of STPs not available: 2
- STPs just commissioned / under trial run: 7
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 16, ➢ Non complying: 18 (Please refer Annexure VI) *(as per CM dash board data for **April-2021**, available on Board's website)

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Gujarat	44143	Not available	Out of 12815 water polluting industries 12700 industries having ETP. 12551 ETPs are complying with norms.	Existing CETPs : 34 Propose/Under construction/under expansion: 19

V. Solid Waste Management:

Particulars	Data
Total number of Urban Local Bodies and their population	162
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF	• There are total No. 755 of Plants for Vermi / Aerobic/ anaerobic Composting of installed processing capacity 7477 TPD. • There are 232 plants Material Recovery Facilities (MRF) with processing capacity of 5441.93 TPD installed capacity. • There are 5 plants of RDF with processing of 1390.25 TPD. • Biogas 29 plants with capacity of 1086 TPD.
Action plan to bridge gap between installed capacity and current utilization of processing facilities (if gap > 20%)	Gap is less than 20% hence not applicable.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	There are 2 Processing plants C & D Waste with processing capacity of 1300 TPD.
Total no. of wards: no. of wards having door to door collection service: no. of wards practicing segregation at source falling into PRS:	1418 1418 Information not available
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Information not available
No. and area (in acres) of uncontrolled garbage dumpsites and sanitary landfills.	Information not available
No. and area (in acres) of legacy waste within 1km. buffer on both side of the PRS	Information not available
No. of drains falling into PRS and no. of drains having floating racks/screens installed to prevent solid waste from falling into PRS	Not provided, however in-situ remediation at Ankleshwar and Kheda municipalities are under implementation. It will be commenced in all 7 municipalities related to PRS within one month after positive results of technology.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Details are being prepared.					

VI. Bio-medical Waste Management:

- Total Bio-medical generation(Related to entire State): 36.42 MT/day

  Total Bio-medical generation(Related to PRS): 27.54 MT/day

- No. of Hospitals and Health Care Facilities(Related to entire State): 31286

  No. of Hospitals and Health Care Facilities(Related to PRS): 28399

- Status of Treatment Facility/ CBMWTF(Related to entire State)

  : Existing – 20, Proposed – 1

  Capacity – 126 MT/day

  Status of Treatment Facility/ CBMWTF(Related to PRS): Existing – 16

  Capacity – 108 MT/day

VII. Hazardous Waste Management:

- Total Hazardous Waste generation:2.5 to 2.7 MMT as per HW inventory which includes landfill, incineration, recycling and co-processing. (It depends upon the industrial operation of the year)
- No. of Industries generating Hazardous waste: About 19683 as per HW inventory 19-20
- Treatment Capacity of all TSDFs: Total installed capacity about 8626332 MT
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated: 1.3 MMT as per HW inventory 19-20
- Details of on-going or proposed TSDF: 7 nos. proposed TSDF having total installed capacity about 36 lac MT

VIII. Plastic Waste Management:

Details		Quantity/Capacity
• Plastic waste generated:		408201.08 TPA (April 2019-March 2020)
• Treatment/Measures adopted for reduction or management of Plastic waste:		
Disposal of Plastic Waste through	Co-processing	109157.435 MT (from April 2019 to August 2020)
	Recycler	Total no. recycling units: 597 Capacity of recycling plastic waste: 11,13,526.56 MT/Y
	Refuse Derived Fuel	MSW units : 2 Quantity of final product sold is 129,575 MT/Annum containing 7 % of plastic waste i.e. 9071 MT/Annum (April 2019-March 2020)
	Pyrolysis	Total no. of operational units: 2 Cap. to convert plastic waste into oil: 5075 TPA Plastic used as raw material: 600 MT/M

IX.	Details of Alternate Treatment Technology being adopted by the State/UT:
-Ahmedabad & Vadodara Municipal Corporations have set up dry sewage sludge hygienisation Cobalt – 60 gamma irradiation plant. (Ahmedabad Municipal Corporation - 100 tonnes per day)	

- Legacy waste treatment at Pirana dumping site, Ahmedabad.	
X.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment:
Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan. Proposal not received from PRH & RDD/ Concerned for in-situ remediation.	
XI.	Details of Nodal Officer appointed by Chief Secretary in the State/UT:
In compliance to the direction of Hon'ble NGT with reference to set up of Monitoring Mechanism, Deputy Environmental Engineer (ShriT.C.Patel) has been deputed vide letter dated 10.06.2020 at Chief Secretary office to look after the Hon'ble NGT matters.	
XII.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
All NGT matters are being reviewed regularly under chairmanship of Hon'ble CS.Total 2 review meetings are conducted so far under the chairmanship of Hon'ble CS to monitor the progress with reference to the action plans submitted w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 673/2018 and to resolve various issues/non -compliances. Last meeting was convened on 10/09/2020 under the chairmanship of Hon'ble Chief Secretary Gujarat State. Two review meetings have been convened so far w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 606/2018 which also includes the review of matters related to O.A. No.:-673/2018.	
XIII.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;
Details are attached as **Annexure – II**	
XIV.	Ground water regulation:
GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" Final comments /suggestions were sought by GWRDC vide letter dated 02/11/2020 from concerned departments for finalization of the draft bill. Seven meetings of sub-committee have been convened so far for finalization of the draft bill. The final draft bill was approved by the sub-committee during the meeting held on 12/11/2020 as per the minutes of meeting. The final draft of the bill has been submitted to the Chairman of the Committee and Special Secretary, (WR), Narmada Water Resource, Water Supply &Kalpsar department, Govt. of Gujarat, for consideration in the main committee meeting.	
XV.	Good irrigation practices being adopted by the State:
XVI.	Rain Water Harvesting:
XVII.	Demarcation of Floodplain and removal of illegal encroachments:

XVIII.	Maintaining minimum e-flow of river:
Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date is attached as **Annexure – III.**	
XIX.	Plantation activities along the rivers:
Details w.r.t point no. XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV**	
XX.	Development of biodiversity park:
As per the information received from GBB, vide letter dated 24.04.2020, Forest Dept. has established a very rich Botanical Garden at Waghai, Dangs. It also has a chain of Research Stations, Germ Plasms Banks, Provenance Banks, Sample Plots, Preservation Plots spread all over the State. Many working plans have Conservation or Preservation Working Circles for the express purpose of Biodiversity Conservation. The National Working Pan Code 2014 also mandates a Biodiversity Conservation Working Circle. All plans coming up for revision now shall have a Biodiversity Conservation Working Circle. Besides a host of Biodiversity based activities like Cactus Park, Ekta Van, Ekta Nursery, and Nutritional Park etc., have come up at Statue of Unity. Moreover, Shakkarbaug Zoo is an "A" Category zoological park along with many other zoological parks at Rajkot, Ahmedabad, Gandhinagar, Vadodara, Surat, Kevadiya etc. All these are repositories of biodiversity. Therefore, these may be treated as a Biodiversity park is totality. GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 Crore for the development of Biodiversity Park. Team suggested tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.	
XXI.	Reuse of Treated Water:
Details are attached as **Annexure – V**	
XXII.	Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:
River Sabarmati has been selected as model river stretch during the 9thRRC meeting held on 27.11.2020.	
XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:
Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms. STPs having 3485 MLD capacity are existing in the state against the total sewage generation of	

4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.	
XXIV.	Regulation of Mining Activities in the State/UT:
Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.	
XXV.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring
• Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 . • Number of closure directions to defaulting units under section 31 A of Air Act – 1981: 5703 respectively. • Number of notice of directions to defaulting units under section 33 A of Water Act – 1974: 17263. • Number of closure directions to defaulting units under section 33 A of Water Act – 1974: 11383. • Number of notice of directions under rule 4(2) of the EPAct – 1986 read with Hazardous Waste (Management, Handling &Transboundary) Rules – 2008: 4130 • Number of closure directions under section 5 of the EPAct – 1986 read with Hazardous Waste (Management, Handling &Transboundary) Rules – 2008: 1583 (As per Annual report – 2018-19)	

***Note: Incremental progress made by the State/UT in each activity to be provided.**

RRC meetings:

RRC meetings are regularly being held at GPCB, Gandhinagar to review the progress and the minutes of the meeting, having progress status, is regularly submitted to CPCB. Last RRC (9th RRC) meeting was conducted on 27/11/2020. Following are the gist of main points discussed during the meeting:

- Concerned departments / authorities/ organizations were asked to submit proposals with elongated /revised timeline for completion of the projects with the justification
- Concerned departments / authorities/ organizations were asked to furnish details of incremental progress of the projects & activities proposed under the Action Plans of Polluted River Stretches

- All the concerned Municipal Corporations &Nagapalikas were asked to submit the list of STPs not complying with the norms and proposals for up-gradation of the STPs not complying with the norms along with the timeline for completion of the same.
- GWSSB was asked to submit STP wise progress of land issues on monthly basis to RRC and GPCB.
- River Sabarmati has been selected as model river stretch.

STPs:

Sr. No.	**Proposed STP details**	**Status**
1.	Kheda STP (5.2 MLD)	Under Progress, 43% Completed. Land is available. Work order given on 17.01.2020. (Timeline for completion Nov-2021)

CETPs/ETPs:

Sr. No.	**Proposed ETP details**	**Status**
1.	ETP-Mafatlal Industries Limited Upgradation	During 9th RRC meeting held on 27/11/20, Mafatlal Industries Limited submitted that up-gradation of ETP is complete. Treated effluent from ETP of the industry is being discharged into Nadiad Nagarpalika STP. As the quality of final treated effluent from the industry is well within the norms, Nadiad Nagarpalika STP gets more dilution and helps in improving the STP performance. Nadiad Nagarpalika also noted these points and continued their permission for discharging the treated effluent into the drainage line connected to STP inlet. Nadiad Nagarpalika also agreed to allow their treated effluent to discharge into underground drain of Nadiad Nagarpalika.
2.	CETP Nadiad (0.5 MLD)	Nadiad GIDC association has put up proposal for land allotment to GIDC. Land possession is at final stage. During 9th RRC meeting held on 27/11/20, RRC pointed out that as the existing STP of Naidad Nagarpalika is not meeting with the norms, the industrial effluent can't be diverted to join existing STP. Nadiad GIDC association has put up proposal for land

		allotment to GIDC. Nadiad GIDC Industries Association vide letter dated 03/02/2021 submitted that the CETP will be made functional within 2 years from allotment of land by GIDC.

Annexure-I (A)

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
1	Ahmedabad Pirana 2009	60	60	Operational	Non Compliance	
2	Ahmedabad Old Pirana 2004	106	106	Operational	Non Compliance	SCN-587981
3	Ahmedabad Pirana 2009	180	180	Operational	Non Compliance	
4	Ahmedabad Vasna 2004	126	126	Operational	Non Compliance	
5	Ahmedabad Vasna 2009	35	35	Operational	Compliance	
6	Ahmedabad Vasna 2011	240	235	Operational	Compliance	
7	Ahmedabad Vinzol 2011	70	70	Operational	Compliance	
8	Ahmedabad Vasna 2018	48	48	Operational	Compliance	
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Compliance	
10	Ahmedabad Vinzol 2020	35	30	Operational	Compliance	
11	Ahmedabad Arvind Mill	8	8	Operational	Compliance	
12	Ahmedabad Rasala	1	1	Operational	Not in operation during site visit	
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Site not visited	Only obtained ID, Not applied for CTE/CCA
14	Ahmedabad V S Hospital	1	1	Operational	Compliance	
15	Ahmedabad Nikol	0.5	0.5	Operational	Details not available	
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Compliance	
17	Ahmedabad Lambha	5	2	Operational	Details not available	
18	Surat Singanpore 2003/2014	155	147.58	Operational	Compliance	
19	Surat Karanj	140	136.59	Operational	Site not visited	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
	1999/2015					
20	Surat Bhatar 1999/2014/2017	162	162	Operational	Site not visited	
21	Surat Anjana 1995/2007/2019	122	121	Operational	Site not visited	
22	Surat Bamroli 2008/2019	100	100	Operational	Non Compliance	SCN-591844
23	Surat Bhesan 1995/2009/2020	200 (100 existing + 100 proposed expansion)	120.52	Operational	Site not visited	
24	Surat Khajod 2011	25	24.20	Operational	Site not visited	
25	Surat Asarama 2011	15	15	Operational	Non Compliance	SCN-591208
26	Surat Dindoli 2012/2019	167	72.50	Operational	Site not visited	
27	Surat Variav-Kosad 2012/2017	134	131	Operational	Compliance	
28	Surat Gavier 2016	53	16	Operational	Non Compliance	SCN-589968
29	Vadodara Tarsali	52	58	Operational	Non Compliance	SCN-591157
30	Vadodara Gajarawadi	66	72	Operational	Non Compliance	SCN-591155
31	Vadodara Kapurai	43	50	Operational	Non Compliance	SCN-591156
32	Vadodara Rajivnagar	78	55	Operational	Compliance	
33	Vadodara Sayaji garden	8.5	7	Operational	Non Compliance	
34	Vadodara Channi	21	21	Operational	Non Compliance	SCN-590935
35	Vadodara Atladara (old)	43	51	Operational	Non Compliance	SCN-28/05/2021
36	Vadodara Atladara (new)	43	43	Operational	Non Compliance	SCN-28/05/2021
37	Gandhinagar Jaspur 2007	76	45	Operational	Non Compliance	SCN-589724

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Non Compliance	
39	Gandhinagar Basan 2011-12	2	1.0	Operational	Non Compliance	SCN-590220
40	Rajkot Nr Raiya village 2010	51	45	Operational	Site not visited	
41	Rajkot Raiyadhar 2017	56	35	Operational	Compliance	
42	Rajkot Nr Madhapar 2018	44.5	16	Operational	Non Compliance	
43	Rajkot Nr Kothariya Village 2017	15	9	Operational	Non Compliance	
44	Rajkot Gavaridad 2018	70	35	Operational	Non Compliance	
45	Rajkot Madhapar 2019	80	30	Operational	Non Compliance	SCN-5858200
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Site not visited	
47	Bhavnagar Behind Excel industries	45	40	Operational	Site not visited	
48	Jamnagar Navagam Ghed	70	70	Operational	Site not visited	
49	Gandhidham - Anjar	30.00	22	Operational	Site not visited	
50	Patan	25.00	13	Operational	Site not visited	
51	Nadiad	51.26	20	Operational	Not in operation	
52	Siddhpur	5.62	5	Operational	Oxidation pond	
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond	
54	Sanand	20.50	0	Non - Operational	Site not visited	
55	Himmatnagar	17.51	6	Operational	Site not visited	
56	Petlad	10.37	8	Operational	Non Compliance	
57	Dholka	13.60	8	Operational	Non Compliance	
58	Savarkundla	13.90	5	Operational	Oxidation pond	
59	Gadhda	6.50	2	Operational	Oxidation pond	
60	Kathlal	3.80	2.59	Operational	Oxidation pond	
61	Mahudha	2.10	1.76	Operational	Oxidation pond	
62	Bayad	4.00	2.06	Operational	Oxidation pond	
63	Patadi	2.80	1.33	Operational	Oxidation pond	
64	Sojitra	2.30	2	Operational	Oxidation pond	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
65	Dwarka	7.50	2.28	Operational	Site not visited	Not obtained CTE/CCA
66	Godhra	27.60	4	Operational	Site not visited	
67	Bhuj	23.70	19	Operational	Non Compliance	Not obtained CTE/CCA
68	Bhachau	10	4	Operational	Non compliance	Not obtained CTE & CCA
69	Anand (Lambhvel)	33	9	Operational	Compliance	Not obtained CTE/CCA
70	Anand (TP-8)	13.5	2.5	Operational	Non Compliance	SCN-589391
71	Surendranagar	32.3	17	Operational	Compliance	
72	Valsad-1	20.2	2	Operational	Not in operation during site visit	
73	Morbi	28.8	6	Operational	Non Compliance	
Total		3598.86	2915.91			

New STPs under trail run.

74	Jasdan	8.80	4.0	Under trial run	
75	Tharad	4.80	2.5	Under trial run	
76	Dehgam	7.60	4.0	Under trial run	
77	Dhangadhra	11.60	1.04	Under trial run	
78	Porbandar	19.10	3.0	Under trial run	
79	Bardoli	11.30	0.0	Under trial run	
80	Vyara	6.50	1.50	Under trail run	
Total		69.7	16.04		

CTE: Consent to Establish, CC&A: Consolidated Consents and Authorization.

Annexure-I (B)

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1.	Ahmedabad Vinzol	100	95%	Completed	31/08/2021
2.	Ahmedabad Pirana	155	93%	Completed	31/08/2021
3.	Ahmedabad Maleksaban	30	30%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	02%	Completed	31/12//2022
5.	Ahmedabad saijpur	07	5%	Completed	31/12/2022

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
	lake				
6.	SuratSinganpore	100	98%	Completed	31/07/2021
7.	SuratBhatar	115	74%	Completed	31/07/2021
8.	SuratBamroli	115	77%	Completed	28/02/2022
9.	SuratAsarma	22.5	54%	Completed	05/04/2022
10.	SuratKhajod	30	36%	Completed	30/11/2021
11.	Vadodara Kapurai	60	78%	85%	31/12/2021
12.	Vadodara Chhani	50	40%	Completed	31/12/2021
13.	Vadodara Bhayli	45	45%	Completed	28/02/2022
14.	Vadodara Sayaji garden	7.5	65%	Completed	28/02/2022
15.	Rajkot Kothariya, on NH bypass	15	25%	Completed	07/09/2021
16.	Bhavnagar Axcel Industries	50	42%	Completed	31/05/2022
17.	JunagadhBilkha Road, Near CBSE School	8.2	70%	Completed	03/09/2021
18.	Rajula	5.70	13%	Completed	31/10/2021
19.	Bagasara	5.90	14%	Completed	31/10/2021
20.	Chalala	2.80	90%	Completed	31/08/2021
21.	Mahuva	16.30	90%	Completed	31/08/2021
22.	Talaja	5.80	80%	Completed	31/08/2021
23.	Una	11.70	96%	Completed	31/08/2021
24.	Bantva	2.60	98%	Completed	31/08/2021
25.	Mansa	5.00	45%	Completed	31/08/2021
26.	Dhanera	4.00	48.00%	Completed	15/11/2021
27.	Bhabhar	3.50	45%	Completed	25/09/2021
28.	Thara	3.60	45%	Completed	15/11/2021
29.	Kadi	12.80	55%	Completed	05/09/2021
30.	Unjha	11.60	81%	Completed	31/08/2021
31.	Visnagar-1	12.00	97.00%	Completed	31/07/2021
32.	Visnagar-2	5.30	75%	Completed	31/08/2021
33.	Kheralu	2.90	90%	Completed	10/11/2021
34.	Vijapur	4.10	50%	Completed	10/11/2021
35.	Radhanpur	6.00	15%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	13/06/2022

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
36.	Idar	7.40	91.00%	Completed	31/08/2021
37.	Khedbrahma	5.80	91.00%	Completed	31/08/2021
38.	Prantij	3.70	91%	Completed	31/08/2021
39.	Talod	3.60	17%	Completed	30/10/2021
40.	Vadali	3.80	5%	Completed	30/10/2021
41.	Jambusar	5.90	62%	Completed	16/10/2021
42.	Amod	3.10	62%	Completed	16/10/2021
43.	Bilimora	8.30	15%	Completed	04/03/2022
44.	Gandevi	2.60	20%	Completed	31/03/2022
45.	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
46.	Dharampur	4.10	62%	Completed	31/08/2021
47.	Borsad	9.80	95%	Completed	31/08/2021
48.	Umreth	6.10	61%	Completed	25/08/2021
49.	Dahod	13.70	98.00%	Completed	31/07/2021
50.	Zalod	4.60	95%	Completed	31/07/2021
51.	Devgadhbariya	3.80	79%	Completed	31/07/2021
52.	Santrampur	2.91	41%	Completed	21/09/2021
53.	Kalol (P)	4.77	55%	Completed	09/09/2021
54.	Shehra	2.80	26%	Completed	30/09/2021
55.	Chhotaudepur	5.00	96%	Completed	31/07/2021
56.	Padra	5.60	82%	Completed	20/08/2021
57.	Viramgam	4.50	85%	Completed	31/08/2021
58.	Bavla	5.80	35%	Completed	12/12/2021
59.	Dhandhuka	7.50	95%	Completed	31/07/2021
60.	Bareja	3.10	85%	Completed	31/07/2021
61.	Chaklasi	4.90	0.00%	Completed	31/03/2022
62.	Kapadwanj	6.20	32%	Completed	10/12/2021
63.	Mehmdabad	5.60	60%	Completed	17/11/2021
64.	Dakor	4.90	32%	Completed	10/12/2021
65.	Kheda	5.20	43%	Completed	17/11/2021
66.	Chotila-1	2.30	22%	Completed	30/09/2021
67.	Chotila-2	1.70	15.00%	Completed	30/09/2021
68.	Wadhwan	12.10	0.00%	Completed	31/03/2022
69.	Barwala	2.90	14%	Completed	17/09/2021
70.	Harij	3.00	60%	Completed	31/12/2021
71.	Chanasma	2.50	0.00%	Completed	31/12/2021
72.	Ode	2.50	35%	Completed	09/09/2021
73.	Karjan	5.20	30%	Completed	09/12/2021
74.	Vadnagar	5.94	95.00%	Completed	30/09/2021
75.	Botad	32.00	86.00%	Completed	31/07/2021
76.	Morbi-2	9.30	95%	Completed	31/07/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
77.	Jetpur	23.50	95%	Completed	31/07/2021
78.	Gondal	16.50	55%	Completed	30/09/2021
79.	Amreli	18.20	77.00%	Completed	31/07/2021
80.	Kalol	23.50	16.00%	Completed	30/06/2022
81.	Palanpur	21.30	3.00%	95%	30/06/2022
82.	Deesa	17.00	70.00%	Completed	30/09/2021
83.	Bharuch	29.32	82.00%	90%	30/09/2021
84.	Vapi-1	14.00	55.00%	Completed	30/09/2021
85.	Anand-3	6.50	95%	Completed	31/08/2021
86.	Porbandar-1	12.80	82.00%	Completed	31/08/2021
87.	Damnagar	2.80	0.00%	Completed	11/02/2022
88.	Lathi	3.80	0.00%	Completed	11/02/2022
89.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1536.64			

New STPs for which work order given.

90.	Bhavnagar Akwada	19.2	7%	Completed	31/12/2022
91.	Anklav	3.60	20%	Completed	04/03/2022
92.	Khambhat-1	6.80	2%	Completed	04/06/2022
93.	Khambhat-2	4.50	2%	Completed	04/06/2022
94.	Thangadh	9.00	0.00%	Completed	07/06/2022
95.	Balasinor	6.50	2%	Completed	22/04/2022
96.	Savli	2.5	5%	Completed	18/04/2022
97.	Dabhoi	8.96	1%	Completed	18/04/2022
98.	Kanjari	3.3	16%	Completed	18/04/2022
99.	Halvad	6.7	0.00%	Completed	17/07/2022
100.	Rajpipla	5.02	5%	Completed	17/07/2022
101.	Pardi	4.60	0.0%	Completed	14/06/2022
102.	Mandvi Surat	3.50	0.0%	Completed	15/06/2022
103.	Ankleshwar	14.0	0.0%	Completed	15/09/2022
104.	Umargam	6.48	0.0%	Completed	14/09/2022
105.	Karamsad	7.0	0.0%	Completed	14/09/2022
106.	Boriavi	3.30	2%	Completed	14/09/2022
107.	Lunavada	5.60	0.0%	Completed	16/09/2022
108.	Palitana	10.81	0.0%	Completed	31/03/2022
Total		131.37			

Total STPs under construction: 1536.64+131.37=1668.01 MLD

Annexure-I (C)

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1.	Ahmedabad Dafnala	25	LOI Given	31/12/2022
2.	Vadodara Tarsali	100	Revised DPR under scrutiny	31/12/2022
3.	Vadodara Atladara	83	Tender to be re- invited	31/12/2022
4.	Vadodara Gajarawadi	93	Revised DPR under scrutiny	31/12/2022
5.	GandhinagarSargasan	50	LOI Given	31/12/2022
6.	Jamnagar Nr Rangmati River	50	DPR Stage	31/12/2022
7.	Junagadh Kalva	15.50	Work order given	31/12/2022
8.	Junagadh Zanzarda	11.00	Work order given	31/12/2022
9.	Junagadh near Lol river	29.50	Work order given	31/12/2022
10.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
11.	Bhanvad	3.00	Tender under approval	31/03/2022
12.	Visavadar	3.40	Tender recently approved	31/03/2022
13.	Lunawada	5.60	Tender under approval	31/03/2022
14.	Okha	10.10	Tender under approval	31/03/2022
15.	Beyt (near Okha)	1.20	Tender under approval	31/03/2022
16.	Khambhalia	5.50	Tender under approval	31/03/2022
17.	Salaya, Jamnagar	6.20	Tender under approval	31/03/2022
18.	Jamjodhpur	3.60	Tender recently approved	31/03/2022
19.	Wankaner	5.80	Tender recently approved	31/03/2022
20.	Chhaya	13.10	Tender under approval	31/03/2022
21.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
22.	Veraval- Patan	33.90	Tender to be invited	31/03/2022
23.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
24.	Babra	4.00	Under Tender evaluation	31/12/2022
25.	Kodinar	5.60	Under Tender evaluation	31/12/2022
26.	Sutrapada	4.00	Tender tobe invited	31/12/2022

27.	Talala	3.80	Under Tender evaluation	31/12/2022
28.	Chorvad	3.70	Tender recently approved	31/12/2022
29.	Halol	11.60	Tender to be invited	31/12/2022
30.	Thasra	2.30	Tender to be invited	31/12/2022
31.	Mandvi-2 (Salaya)	3.20	Tender to be invited	31/12/2022
32.	Mandvi-1 (JT Grounds)	5.30	Tender to be invited	31/12/2022
33.	Jamraval	2.60	Tender to be invited	31/12/2022
34.	Dhrol	3.60	Under tender evaluation.	31/12/2022
35.	Kalavad	4.50	Tender under approval	31/12/2022
36.	Maliya	2.50	Tender to be invited	31/12/2022
37.	Kutiyana	2.90	Tender under approval	31/12/2022
38.	Ranavav-1 (Adityana)	3.00	Tender under approval	31/12/2022
39.	Ranavav-2	4.50	Tender under approval	31/12/2022
40.	Dhoraji	12.90	Tender recently approved	31/12/2022
41.	Bhayavadar	3.10	Tender to be invited	31/12/2022
42.	Manavadar	4.90	Tender recently approved	31/12/2022
43.	Pethapur	3.80	DPR stage	30/06/2022
44.	Sikka	2.90	Tender recently approved	31/12/2022
45.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
46.	Mahesana-1	23.18	Under Tender evaluation	31/03/2022
47.	Mahesana-2	18.46	Under Tender evaluation	31/03/2022
48.	Jafrabad	5.4	Tender online	31/12/2022
49.	Gariyadhar	7.1	Under Tender evaluation	31/12/2022
50.	Shihor	8.9	Under Tender evaluation	31/12/2022
51.	Mangrol	9.6	DPR/DTP stage	31/12/2022
52.	Vanthli	2.2	DPR/DTP stage	31/12/2022
53.	Modasa	12.0	Under Tender evaluation	31/12/2022
54.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
55.	Songadh	4.5	Tender recently approved	31/12/2022
56.	Limdi	7.4	DPR/DTP stage	31/12/2022
57.	Bhachau	1.0	Tender under approval	31/12/2022
58.	Rapar	5.2	Under tender evaluation.	31/12/2022
59.	Upleta	8.9	DPR/DTP stage	31/12/2022
60.	Kadodara	-	DPR/DTP stage	31/12/2022

Total	856.57		

Newly proposed STPs.

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
61.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
62.	Gandhinagar Bhat	30	DPR Stage	31/12/2022
63.	Rajkot Raiyadhar	8.0	Tender online	31/12/2022
Total		98		

Total of Proposed STPs= 856.57+98=954.57 MLD

Annexure-II

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river

Annexure-II (A)

Progress/Status Report of the River/PRS water quality monitoring for the Month May - 2021:

Month	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
May 2021	River Shedhi at Kheda Matar Bridge	1.1	8.28	2.4	31	540	920

Annexure-II(B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River for May-2021:

Month	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)
April 2021 (Half yearly)	Borewell Nadiad GIDC Water Works	--	7.13	0.6	10

Annexure-II(C)

Drains Details with Flow

Sr.No.	Location	Name of Inletting River/Drain	Discharge (MLD)	
			Max.	Min.
1	Nadiad	Natural Drain	34	28
2	Kheda	Natural drain	0.020	0.010

Annexure-II(D)

STP & CETP Results

Nadiad STP Results (May - 2021)

Sample Date	sampling point	BOD (mg/l)	COD (mg/l)	FC (MPN/100 ml)	pH	SS (mg/l)	TDS (mg/l)	TMP	NH3-N
06/05/2021	Final Outlet of the STP	36	158	540	8.30	78	790	31	1.68
Standard		**<10**				**<10**			

CETP Results

Not Applicable, No CETP in the PRS.

Annexure-III

Details w.r.t point no.XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date

Sr.No	River name	Details/Status
1	Shedhi	1. Environmental flow: • River is not a Perennial river hence NA. By releasing surplusfloodwaterthroughMohrescapeatCh.181.80 Km of Narmada Main Canal under SSNNL and through different escapes of Mahi Right Bank Canal off-taking from Vanakbori Weir. There is disposal of domestic waste water near Dakor and Nadiad. So the concerned authorities are requested to stop the disposal of waste water in Shedhi River. 2. Details of Good Irrigation Practices: NA 3. Detail on Flood Plain Management Zone: NA

Annexure-IV

Details w.r.t point no.XIXgiven by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/ River	Existing plantation / vegetation cover details	Proposed plan	Time limit	Remarks
Mahi, Shedhi	8,32,000 Plants were planted along the Mahi, Shedhi and Other river in the areas available under the Vanmahotsav and other Schemes of the forest Department with the co-operation of local People.	Shedhi:- 0.15 lacs Plantation to be done in 2020-2021	2020-2021	As per AAP (Annexure A) for both side plantation on PRS during 2020-21.

Annexure – A

List of Polluted River Stretches of Gujarat (River Both side Plantation AAP in 2020-21)		
Sr. No.	River	Plants (In lakhs)
1.	Sabarmati	1.54
2.	Bhadar	0.20
3.	Amlakhadi	0.10
4.	Bhogavo	0.60
5.	Khari	0.02
6.	Vishwamitri	0.15
7.	Dhadhar	1.10
8.	Triveni	0.10
9.	Amravati	0.10
10.	Damanganga	0.25
11.	Kolak	0.25
12.	Mahi	0.20
13.	Shedhi	0.15
14.	Tapi	0.35
15.	Anas	0.05
16.	Baleshwar Khadi	0.02
17.	Kim	0.02
18.	Meshwo	0.40
19.	Mindhola	0.05
20.	Narmada	0.45
Total		6.10

Plantation of **6.91** lakh trees have been carried out on both the sides of polluted river stretches against the action plan for planting 6.10 lakh trees

Annexure-V

Details received from concerned department regarding reuse of treated wastewater

Treated waste water utilization policy:

- Gujarat Government has framed Policy for Reuse of "Treated Waste Water (TWW)" by maximising the collection and treatment of sewage generated and reusing the treated wastewater on a sustainable basis. In this regards, revised action plan has been submitted by Gujarat Water Supply and Sewerage Board (GWSSB) to Chairman, CPCB where one of the objectives of the revised action plan is to reuse 70% of treated wastewater by 2025 and 100% of treated wastewater by 2030.
- As per the details received from Gujarat Water Supply & Sewerage Board, Latest status of Treated waste water reuse in the State is as under:

	Status		
	TWW reuse started (MLD)	TWW reuse projects in tender/execution stage (MLD)	TWW reuse under planning (MLD)
Municipal Corporations	623.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**646.68**	**250**	**790.4**

Annexure-VI

Non-Complying / Partially non-complying CETPs
April- 2021

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	508
		BOD	30	42
2.	M/s. Odhav Enviro Project Ltd., Odhav, Ahmedabad	COD	250	407
		BOD	30	39
3.	M/s. Gujarat Vepari Maha Mandal Sahkari Udhyogik Vasahat Ltd, Ahmedabad	NH3-N	50	80.5
4.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	BOD	30	31
		NH3-N	50	130.2
5.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	420
		BOD	30	35
		SS	100	118
6.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	COD	250	1697
		BOD	30	321
		SS	100	326
7.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	891
		SS	100	156
		NH3-N	50	63.14
8.	M/s. Vinayak Jal SudhikaranSahakariMandali Ltd, Bavla, Ahmedabad	SS	100	164
9.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	138
10.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar.	COD	500	942
		NH_3-N	50	137.2
11.	M/s. Panoli Enviro Technology Ltd., GIDC-Panoli, Bharuch	SS	150	280
12.	M/s. Gujarat Eco Textile Park Pvt. Ltd, Palsana, Surat	SS	<60	98
13.	Vapi Green Enviro Ltd (VGEL, Vapi) (Old Name-Vapi Waste & Effluent Management Co. Ltd) (GPCB ID: 24764)	NH_3-N	50	80.5

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
14.	M/s. Sarigam Clean Initiative (Old Name-Gujarat Industrial Development Corporation), Sarigam.	SS	100	110
15.	M/s Jetpur Dying & Printing Association, Jetpur, Rajkot	COD	250	664
		BOD	100	212
16.	M/s. Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	151
		BOD	30	49
17.	M/s. Jay Khodiyar Enviro-Technologies Pvt. Ltd., Rajkot	PH	6.5 to 8.5	8.72
18.	M/s CETP of Dahej Industrial Estate	COD	250	544
		NH3-N	50	112

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Gujarat
Monthly Progress Report of PRS Tapi for May- 2021.

Overall status of the State:

I. Total Population: Urban Population – 2,57,45,083, Rural Population – 3,46,94,609 (Census - 2011)

II. Estimated Sewage Generation (MLD): 4003 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): 73 nos, 3485 MLD
  [7 under construction STPs are now complete and are now under trial run i.e additional 183.56 MLD]
- Capacity Utilization of existing STPs: 2739 MLD
  [additional utilization capacity as on May 2021 – 192.95 MLD from existing + newly commissioned STPs]
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
  [334.44 MLD - Gap considering 3668.56 MLD treatment capacity i.e 3485 MLD + 183.56 MLD]
- No. of Operational STPs: 73 [80 as on May 2021]
- No. of Complying STPs: 15
- No. of Non-complying STPs: 27 (including STPs not obtained CTE & CCA)
- ULBs having Oxidation ponds: 9
- Site of the STPs not visited: 17
- STPs not in operation during the site visit:3
- Details of STPs not available: 2
- STPs just commissioned / under trial run: 7
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 16, ➢ Non complying: 18 (Please refer Annexure VII) *(as per CM dash board data for **April - 2021**, available on Board's website)

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Gujarat	44143	Not available	Out of 12815 water polluting industries 12700 industries having ETP. 12551 ETPs are complying with norms.	Existing CETPs : 34 Propose/Under construction/under expansion: 19

V. Solid Waste Management:

Particulars	Data
Total number of Urban Local Bodies and their population	162
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF	• There are total No. 755 of Plants for Vermi / Aerobic/ anaerobic Composting of installed processing capacity 7477 TPD. • There are 232 plants Material Recovery Facilities (MRF) with processing capacity of 5441.93 TPD installed capacity. • There are 5 plants of RDF with processing of 1390.25 TPD. • Biogas 29 plants with capacity of 1086 TPD.
Action plan to bridge gap between installed capacity and current utilization of processing facilities (if gap > 20%)	Gap is less than 20% hence not applicable.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	There are 2 Processing plants C & D Waste with processing capacity of 1300 TPD.
Total no. of wards: no. of wards having door to door collection service: no. of wards practicing segregation at source falling into PRS:	1418 1418 Information not available
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Information not available
No. and area (in acres) of uncontrolled garbage dumpsites and sanitary landfills.	Information not available
No. and area (in acres) of legacy waste within 1km. buffer on both side of the PRS	Information not available
No. of drains falling into PRS and no. of drains having floating racks/screens installed to prevent solid waste from falling into PRS	Not provided, however in-situ remediation at Ankleshwar and Kheda municipalities are under implementation. It will be commenced in all 7 municipalities related to PRS within one month after positive results of technology.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Details are being prepared.					

VI. Bio-medical Waste Management:

- Total Bio-medical generation(Related to entire State): 36.42 MT/day

  Total Bio-medical generation(Related to PRS): 27.54 MT/day
- No. of Hospitals and Health Care Facilities(Related to entire State): 31286

  No. of Hospitals and Health Care Facilities(Related to PRS): 28399

- Status of Treatment Facility/ CBMWTF(Related to entire State)
  : Existing – 20, Proposed – 1
  Capacity – 126 MT/day
  Status of Treatment Facility/ CBMWTF(Related to PRS): Existing – 16
  Capacity – 108 MT/day

VII. Hazardous Waste Management:

- Total Hazardous Waste generation: 2.5 to 2.7 MMT as per HW inventory which includes landfill, incineration, recycling and co-processing. (It depends upon the industrial operation of the year)
- No. of Industries generating Hazardous waste: About 19683 as per HW inventory 19-20
- Treatment Capacity of all TSDFs: Total installed capacity about 8626332 MT
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated: 1.3 MMT as per HW inventory 19-20
- Details of on-going or proposed TSDF: 7 nos. proposed TSDF having total installed capacity about 36 lac MT

VIII. Plastic Waste Management:

- Total Plastic Waste generation: 408201.08 TPA (April 2019-March 2020)
- Treatment/ Measures adopted for reduction or management of plastic waste:

Disposal of Plastic Waste through	Co-processing	109157.435 MT (from April 2019 to August 2020)
	Recycler	Total no. recycling units: 597 Capacity of recycling plastic waste: 11,13,526.56 MT/Y
	Refuse Derived Fuel	MSW units : 2 Quantity of final product sold is 129,575 MT/Annum containing 7 % of plastic waste i.e. 9071 MT/Annum (April 2019-March 2020)
	Pyrolysis	Total no. of operational units: 2 Cap. to convert plastic waste into oil: 5075 TPA Plastic used as raw material: 600 MT/M

IX.	Details of Alternate Treatment Technology being adopted by the State/UT:
-Ahmedabad & Vadodara Municipal Corporations have set up dry sewage sludge hygienisation Cobalt – 60 gamma irradiation plant. (Ahmedabad Municipal Corporation - 100 tonnes per day)	

- Legacy waste treatment at Pirana dumping site, Ahmedabad.	
X.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment:
Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan. Proposal not received from PRH & RDD/ Concerned for in-situ remediation.	
XI.	Details of Nodal Officer appointed by Chief Secretary in the State/UT:
In compliance to the direction of Hon'ble NGT with reference to set up of Monitoring Mechanism, Deputy Environmental Engineer (ShriT.C.Patel) has been deputed vide letter dated 10.06.2020 at Chief Secretary office to look after the Hon'ble NGT matters.	
XII.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
All NGT matters are being reviewed regularly under chairmanship of Hon'ble CS.Total 2 review meetings are conducted so far under the chairmanship of Hon'ble CS to monitor the progress with reference to the action plans submitted w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 673/2018and to resolve various issues/non -compliances. Last meeting was convened on 10/09/2020 under the chairmanship of Hon'ble Chief Secretary Gujarat State. Two review meetings have been convened so far w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 606/2018 which also includes the review of matters related to O.A. No.:-673/2018.	
XIII.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;
Details are attached as **Annexure – II**	
XIV.	Ground water regulation:
GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" Final comments /suggestions were sought by GWRDC vide letter dated 02/11/2020 from concerned departments for finalization of the draft bill. Seven meetings of sub-committee have been convened so far for finalization of the draft bill. The final draft bill was approved by the sub-committee during the meeting held on 12/11/2020 as per the minutes of meeting. The final draft of the bill has been submitted to the Chairman of the Committee and Special Secretary, (WR), Narmada Water Resource, Water Supply &Kalpsar department, Govt. of Gujarat, for consideration in the main committee meeting.	

XV.	Good irrigation practices being adopted by the State:
XVI.	Rain Water Harvesting:
XVII.	Demarcation of Floodplain and removal of illegal encroachments:
XVIII.	Maintaining minimum e-flow of river:
Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date is attached as **Annexure – III.**	
XIX.	Plantation activities along the rivers:
Details w.r.t point no. XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV**	
XX.	Development of biodiversity park:
As per the information received from GBB, vide letter dated 24.04.2020, Forest Dept. has established a very rich Botanical Garden at Waghai, Dangs. It also has a chain of Research Stations, Germ Plasms Banks, Provenance Banks, Sample Plots, Preservation Plots spread all over the State. Many working plans have Conservation or Preservation Working Circles for the express purpose of Biodiversity Conservation. The National Working Pan Code 2014 also mandates a Biodiversity Conservation Working Circle. All plans coming up for revision now shall have a Biodiversity Conservation Working Circle. Besides a host of Biodiversity based activities like Cactus Park, Ekta Van, Ekta Nursery, and Nutritional Park etc., have come up at Statue of Unity. Moreover, Shakkarbaug Zoo is an "A" Category zoological park along with many other zoological parks at Rajkot, Ahmedabad, Gandhinagar, Vadodara, Surat, Kevadiya etc. All these are repositories of biodiversity. Therefore, these may be treated as a Biodiversity park is totality. GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 Crore for the development of Biodiversity Park. Team suggested tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.	
XXI.	Reuse of Treated Water:
Details are attached as **Annexure – V**	
XXII.	Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:
River Sabarmati has been selected as model river stretch during the 9thRRC meeting held on 27.11.2020.	
XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:

Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms.

STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.

XXIV.	Regulation of Mining Activities in the State/UT:

Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.

XXV.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring

- Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 .
- Number of closure directions to defaulting units under section 31 A of Air Act – 1981: 5703 respectively.
- Number of notice of directions to defaulting units under section 33 A of Water Act – 1974: 17263.
- Number of closure directions to defaulting units under section 33 A of Water Act – 1974: 11383.
- Number of notice of directions under rule 4(2) of the EPAct – 1986 read with Hazardous Waste (Management, Handling &Transboundary) Rules – 2008: 4130
- Number of closure directions under section 5 of the EPAct – 1986 read with Hazardous Waste (Management, Handling &Transboundary) Rules – 2008: 1583

(As per Annual report – 2018-19)

***Note: Incremental progress made by the State/UT in each activity to be provided.**

RRC meetings:

RRC meetings are regularly being held at GPCB, Gandhinagar to review the progress and the minutes of the meeting having progress status, is regularly submitted to CPCB. Last RRC

(9thRRC) meeting was conducted on 27/11/2020. Following are the gist of main points discussed during the meeting:

- Concerned departments / authorities/ organizations were asked to submit proposals with elongated /revised timeline for completion of the projects with the justification
- Concerned departments / authorities/ organizations were asked to furnish details of incremental progress of the projects & activities proposed under the Action Plans of Polluted River Stretches
- All the concerned Municipal Corporations &Nagapalikas were asked to submit the list of STPs not complying with the norms and proposals for up-gradation of the STPs not complying with the norms along with the timeline for completion of the same.
- GWSSB was asked to submit STP wise progress of land issues on monthly basis to RRC and GPCB.
- River Sabarmati has been selected as model river stretch.

STPs:

Sr. No.	**Proposed STP details**	**Status**
1.	Signapore (100MLD) – Expansion	Work in Progress.98% completed. (Revised timeline 31/07/2021)
2.	Gavier (53 MLD) – Expansion	Existing STP. Enhancement of capacity utilization is under process.
3.	Bhatar (115MLD) – Expansion	74% work completed. (Revised timeline 31/07/2021)
4.	Bhesan (100 MLD) – Expansion	Completed. (Revised timeline 31/03/2021)
5.	STPs under Tapi SuddhikaranYojana (Total 51 STPs by SUDA and GWSSB)	Land issues in 19 STPs have been sorted out from the total 52 STPs of Tapi Shuddhikaran. (Revised timeline 31/12/2022) **Pl. refer Annexure – VI.**

CETPs/ETPs:

No Industrial wastewater discharge into this river stretch

Annexure-I (A)

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
1	Ahmedabad Pirana 2009	60	60	Operational	Non Compliance	
2	Ahmedabad Old Pirana 2004	106	106	Operational	Non Compliance	SCN-587981
3	Ahmedabad Pirana 2009	180	180	Operational	Non Compliance	
4	Ahmedabad Vasna 2004	126	126	Operational	Non Compliance	
5	Ahmedabad Vasna 2009	35	35	Operational	Compliance	
6	Ahmedabad Vasna 2011	240	235	Operational	Compliance	
7	Ahmedabad Vinzol 2011	70	70	Operational	Compliance	
8	Ahmedabad Vasna 2018	48	48	Operational	Compliance	
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Compliance	
10	Ahmedabad Vinzol 2020	35	30	Operational	Compliance	
11	Ahmedabad Arvind Mill	8	8	Operational	Compliance	
12	Ahmedabad Rasala	1	1	Operational	Not in operation during site visit	
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Site not visited	Only obtained ID, Not applied for CTE/CCA
14	Ahmedabad V S Hospital	1	1	Operational	Compliance	
15	Ahmedabad Nikol	0.5	0.5	Operational	Details not available	
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Compliance	
17	Ahmedabad Lambha	5	2	Operational	Details not available	
18	Surat Singanpore 2003/2014	155	147.58	Operational	Compliance	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
19	Surat Karanj 1999/2015	140	136.59	Operational	Site not visited	
20	Surat Bhatar 1999/2014/2017	162	162	Operational	Site not visited	
21	Surat Anjana 1995/2007/2019	122	121	Operational	Site not visited	
22	Surat Bamroli 2008/2019	100	100	Operational	Non Compliance	SCN-591844
23	Surat Bhesan 1995/2009/2020	200 (100 existing + 100 proposed expansion)	120.52	Operational	Site not visited	
24	Surat Khajod 2011	25	24.20	Operational	Site not visited	
25	Surat Asarama 2011	15	15	Operational	Non Compliance	SCN-591208
26	Surat Dindoli 2012/2019	167	72.50	Operational	Site not visited	
27	Surat Variav-Kosad 2012/2017	134	131	Operational	Compliance	
28	Surat Gavier 2016	53	16	Operational	Non Compliance	SCN-589968
29	Vadodara Tarsali	52	58	Operational	Non Compliance	SCN-591157
30	Vadodara Gajarawadi	66	72	Operational	Non Compliance	SCN-591155
31	Vadodara Kapurai	43	50	Operational	Non Compliance	SCN-591156
32	Vadodara Rajivnagar	78	55	Operational	Compliance	
33	Vadodara Sayaji garden	8.5	7	Operational	Non Compliance	
34	Vadodara Channi	21	21	Operational	Non Compliance	SCN-590935
35	Vadodara Atladara (old)	43	51	Operational	Non Compliance	SCN-28/05/2021
36	Vadodara Atladara (new)	43	43	Operational	Non Compliance	SCN-28/05/2021

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
37	Gandhinagar Jaspur 2007	76	45	Operational	Non Compliance	SCN-589724
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Non Compliance	
39	Gandhinagar Basan 2011-12	2	1.0	Operational	Non Compliance	SCN-590220
40	Rajkot Nr Raiya village 2010	51	45	Operational	Site not visited	
41	Rajkot Raiyadhar 2017	56	35	Operational	Compliance	
42	Rajkot Nr Madhapar 2018	44.5	16	Operational	Non Compliance	
43	Rajkot Nr Kothariya Village 2017	15	9	Operational	Non Compliance	
44	Rajkot Gavaridad 2018	70	35	Operational	Non Compliance	
45	Rajkot Madhapar 2019	80	30	Operational	Non Compliance	SCN-5858200
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Site not visited	
47	Bhavnagar Behind Excel industries	45	40	Operational	Site not visited	
48	Jamnagar Navagam Ghed	70	70	Operational	Site not visited	
49	Gandhidham - Anjar	30.00	22	Operational	Site not visited	
50	Patan	25.00	13	Operational	Site not visited	
51	Nadiad	51.26	20	Operational	Not in operation	
52	Siddhpur	5.62	5	Operational	Oxidation pond	
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond	
54	Sanand	20.50	0	Non - Operational	Site not visited	
55	Himmatnagar	17.51	6	Operational	Site not visited	
56	Petlad	10.37	8	Operational	Non Compliance	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
57	Dholka	13.60	8	Operational	Non Compliance	
58	Savarkundla	13.90	5	Operational	Oxidation pond	
59	Gadhda	6.50	2	Operational	Oxidation pond	
60	Kathlal	3.80	2.59	Operational	Oxidation pond	
61	Mahudha	2.10	1.76	Operational	Oxidation pond	
62	Bayad	4.00	2.06	Operational	Oxidation pond	
63	Patadi	2.80	1.33	Operational	Oxidation pond	
64	Sojitra	2.30	2	Operational	Oxidation pond	
65	Dwarka	7.50	2.28	Operational	Site not visited	Not obtained CTE/CCA
66	Godhra	27.60	4	Operational	Site not visited	
67	Bhuj	23.70	19	Operational	Non Compliance	Not obtained CTE/CCA
68	Bhachau	10	4	Operational	Non compliance	Not obtained CTE & CCA
69	Anand (Lambhvel)	33	9	Operational	Compliance	Not obtained CTE/CCA
70	Anand (TP-8)	13.5	2.5	Operational	Non Compliance	SCN-589391
71	Surendranagar	32.3	17	Operational	Compliance	
72	Valsad-1	20.2	2	Operational	Not in operation during site visit	
73	Morbi	28.8	6	Operational	Non Compliance	
Total		3598.86	2915.91			

New STPs under trail run.

74	Jasdan	8.80	4.0	Under trial run	
75	Tharad	4.80	2.5	Under trial run	
76	Dehgam	7.60	4.0	Under trial run	
77	Dhangadhra	11.60	1.04	Under trial run	
78	Porbandar	19.10	3.0	Under trial run	
79	Bardoli	11.30	0.0	Under trial run	
80	Vyara	6.50	1.50	Under trail run	
Total		69.7	16.04		

CTE: Consent to Establish, CC&A: Consolidated Consents and Authorization.

Annexure-I (B)

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1.	Ahmedabad Vinzol	100	95%	Completed	31/08/2021
2.	Ahmedabad Pirana	155	93%	Completed	31/08/2021
3.	Ahmedabad Maleksaban	30	30%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	02%	Completed	31/12//2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	SuratSinganpore	100	98%	Completed	31/07/2021
7.	SuratBhatar	115	74%	Completed	31/07/2021
8.	SuratBamroli	115	77%	Completed	28/02/2022
9.	SuratAsarma	22.5	54%	Completed	05/04/2022
10.	SuratKhajod	30	36%	Completed	30/11/2021
11.	Vadodara Kapurai	60	78%	85%	31/12/2021
12.	Vadodara Chhani	50	40%	Completed	31/12/2021
13.	Vadodara Bhayli	45	45%	Completed	28/02/2022
14.	Vadodara Sayaji garden	7.5	65%	Completed	28/02/2022
15.	Rajkot Kothariya, on NH bypass	15	25%	Completed	07/09/2021
16.	Bhavnagar Axcel Industries	50	42%	Completed	31/05/2022
17.	JunagadhBilkha Road, Near CBSE School	8.2	70%	Completed	03/09/2021
18.	Rajula	5.70	13%	Completed	31/10/2021
19.	Bagasara	5.90	14%	Completed	31/10/2021
20.	Chalala	2.80	90%	Completed	31/08/2021
21.	Mahuva	16.30	90%	Completed	31/08/2021
22.	Talaja	5.80	80%	Completed	31/08/2021
23.	Una	11.70	96%	Completed	31/08/2021
24.	Bantva	2.60	98%	Completed	31/08/2021
25.	Mansa	5.00	45%	Completed	31/08/2021
26.	Dhanera	4.00	48.00%	Completed	15/11/2021
27.	Bhabhar	3.50	45%	Completed	25/09/2021
28.	Thara	3.60	45%	Completed	15/11/2021
29.	Kadi	12.80	55%	Completed	05/09/2021
30.	Unjha	11.60	81%	Completed	31/08/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
31.	Visnagar-1	12.00	97.00%	Completed	31/07/2021
32.	Visnagar-2	5.30	75%	Completed	31/08/2021
33.	Kheralu	2.90	90%	Completed	10/11/2021
34.	Vijapur	4.10	50%	Completed	10/11/2021
35.	Radhanpur	6.00	15%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	13/06/2022
36.	Idar	7.40	91.00%	Completed	31/08/2021
37.	Khedbrahma	5.80	91.00%	Completed	31/08/2021
38.	Prantij	3.70	91%	Completed	31/08/2021
39.	Talod	3.60	17%	Completed	30/10/2021
40.	Vadali	3.80	5%	Completed	30/10/2021
41.	Jambusar	5.90	62%	Completed	16/10/2021
42.	Amod	3.10	62%	Completed	16/10/2021
43.	Bilimora	8.30	15%	Completed	04/03/2022
44.	Gandevi	2.60	20%	Completed	31/03/2022
45.	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
46.	Dharampur	4.10	62%	Completed	31/08/2021
47.	Borsad	9.80	95%	Completed	31/08/2021
48.	Umreth	6.10	61%	Completed	25/08/2021
49.	Dahod	13.70	98.00%	Completed	31/07/2021
50.	Zalod	4.60	95%	Completed	31/07/2021
51.	Devgadhbariya	3.80	79%	Completed	31/07/2021
52.	Santrampur	2.91	41%	Completed	21/09/2021
53.	Kalol (P)	4.77	55%	Completed	09/09/2021
54.	Shehra	2.80	26%	Completed	30/09/2021
55.	Chhotaudepur	5.00	96%	Completed	31/07/2021
56.	Padra	5.60	82%	Completed	20/08/2021
57.	Viramgam	4.50	85%	Completed	31/08/2021
58.	Bavla	5.80	35%	Completed	12/12/2021
59.	Dhandhuka	7.50	95%	Completed	31/07/2021
60.	Bareja	3.10	85%	Completed	31/07/2021
61.	Chaklasi	4.90	0.00%	Completed	31/03/2022
62.	Kapadwanj	6.20	32%	Completed	10/12/2021
63.	Mehmdabad	5.60	60%	Completed	17/11/2021
64.	Dakor	4.90	32%	Completed	10/12/2021
65.	Kheda	5.20	43%	Completed	17/11/2021
66.	Chotila-1	2.30	22%	Completed	30/09/2021
67.	Chotila-2	1.70	15.00%	Completed	30/09/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
68.	Wadhwan	12.10	0.00%	Completed	31/03/2022
69.	Barwala	2.90	14%	Completed	17/09/2021
70.	Harij	3.00	60%	Completed	31/12/2021
71.	Chanasma	2.50	0.00%	Completed	31/12/2021
72.	Ode	2.50	35%	Completed	09/09/2021
73.	Karjan	5.20	30%	Completed	09/12/2021
74.	Vadnagar	5.94	95.00%	Completed	30/09/2021
75.	Botad	32.00	86.00%	Completed	31/07/2021
76.	Morbi-2	9.30	95%	Completed	31/07/2021
77.	Jetpur	23.50	95%	Completed	31/07/2021
78.	Gondal	16.50	55%	Completed	30/09/2021
79.	Amreli	18.20	77.00%	Completed	31/07/2021
80.	Kalol	23.50	16.00%	Completed	30/06/2022
81.	Palanpur	21.30	3.00%	95%	30/06/2022
82.	Deesa	17.00	70.00%	Completed	30/09/2021
83.	Bharuch	29.32	82.00%	90%	30/09/2021
84.	Vapi-1	14.00	55.00%	Completed	30/09/2021
85.	Anand-3	6.50	95%	Completed	31/08/2021
86.	Porbandar-1	12.80	82.00%	Completed	31/08/2021
87.	Damnagar	2.80	0.00%	Completed	11/02/2022
88.	Lathi	3.80	0.00%	Completed	11/02/2022
89.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1536.64			

New STPs for which work order given.

90.	Bhavnagar Akwada	19.2	7%	Completed	31/12/2022
91.	Anklav	3.60	20%	Completed	04/03/2022
92.	Khambhat-1	6.80	2%	Completed	04/06/2022
93.	Khambhat-2	4.50	2%	Completed	04/06/2022
94.	Thangadh	9.00	0.00%	Completed	07/06/2022
95.	Balasinor	6.50	2%	Completed	22/04/2022
96.	Savli	2.5	5%	Completed	18/04/2022
97.	Dabhoi	8.96	1%	Completed	18/04/2022
98.	Kanjari	3.3	16%	Completed	18/04/2022
99.	Halvad	6.7	0.00%	Completed	17/07/2022
100.	Rajpipla	5.02	5%	Completed	17/07/2022
101.	Pardi	4.60	0.0%	Completed	14/06/2022
102.	Mandvi Surat	3.50	0.0%	Completed	15/06/2022
103.	Ankleshwar	14.0	0.0%	Completed	15/09/2022
104.	Umargam	6.48	0.0%	Completed	14/09/2022
105.	Karamsad	7.0	0.0%	Completed	14/09/2022
106.	Boriavi	3.30	2%	Completed	14/09/2022
107.	Lunavada	5.60	0.0%	Completed	16/09/2022

108.	Palitana	10.81	0.0%	Completed	31/03/2022
Total		131.37			

Total STPs under construction: 1536.64+131.37=1668.01 MLD

Annexure-I (C)

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1.	Ahmedabad Dafnala	25	LOI Given	31/12/2022
2.	Vadodara Tarsali	100	Revised DPR under scrutiny	31/12/2022
3.	Vadodara Atladara	83	Tender to be re- invited	31/12/2022
4.	Vadodara Gajarawadi	93	Revised DPR under scrutiny	31/12/2022
5.	GandhinagarSargasan	50	LOI Given	31/12/2022
6.	Jamnagar Nr Rangmati River	50	DPR Stage	31/12/2022
7.	Junagadh Kalva	15.50	Work order given	31/12/2022
8.	Junagadh Zanzarda	11.00	Work order given	31/12/2022
9.	Junagadh near Lol river	29.50	Work order given	31/12/2022
10.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
11.	Bhanvad	3.00	Tender under approval	31/03/2022
12.	Visavadar	3.40	Tender recently approved	31/03/2022
13.	Lunawada	5.60	Tender under approval	31/03/2022
14.	Okha	10.10	Tender under approval	31/03/2022
15.	Beyt (near Okha)	1.20	Tender under approval	31/03/2022
16.	Khambhalia	5.50	Tender under approval	31/03/2022
17.	Salaya, Jamnagar	6.20	Tender under approval	31/03/2022
18.	Jamjodhpur	3.60	Tender recently approved	31/03/2022
19.	Wankaner	5.80	Tender recently approved	31/03/2022
20.	Chhaya	13.10	Tender under approval	31/03/2022
21.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
22.	Veraval- Patan	33.90	Tender to be invited	31/03/2022
23.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
24.	Babra	4.00	Under Tender evaluation	31/12/2022

25.	Kodinar	5.60	Under Tender evaluation	31/12/2022
26.	Sutrapada	4.00	Tender tobe invited	31/12/2022
27.	Talala	3.80	Under Tender evaluation	31/12/2022
28.	Chorvad	3.70	Tender recently approved	31/12/2022
29.	Halol	11.60	Tender to be invited	31/12/2022
30.	Thasra	2.30	Tender to be invited	31/12/2022
31.	Mandvi-2 (Salaya)	3.20	Tender to be invited	31/12/2022
32.	Mandvi-1 (JT Grounds)	5.30	Tender to be invited	31/12/2022
33.	Jamraval	2.60	Tender to be invited	31/12/2022
34.	Dhrol	3.60	Under tender evaluation.	31/12/2022
35.	Kalavad	4.50	Tender under approval	31/12/2022
36.	Maliya	2.50	Tender to be invited	31/12/2022
37.	Kutiyana	2.90	Tender under approval	31/12/2022
38.	Ranavav-1 (Adityana)	3.00	Tender under approval	31/12/2022
39.	Ranavav-2	4.50	Tender under approval	31/12/2022
40.	Dhoraji	12.90	Tender recently approved	31/12/2022
41.	Bhayavadar	3.10	Tender to be invited	31/12/2022
42.	Manavadar	4.90	Tender recently approved	31/12/2022
43.	Pethapur	3.80	DPR stage	30/06/2022
44.	Sikka	2.90	Tender recently approved	31/12/2022
45.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
46.	Mahesana-1	23.18	Under Tender evaluation	31/03/2022
47.	Mahesana-2	18.46	Under Tender evaluation	31/03/2022
48.	Jafrabad	5.4	Tender online	31/12/2022
49.	Gariyadhar	7.1	Under Tender evaluation	31/12/2022
50.	Shihor	8.9	Under Tender evaluation	31/12/2022
51.	Mangrol	9.6	DPR/DTP stage	31/12/2022
52.	Vanthli	2.2	DPR/DTP stage	31/12/2022
53.	Modasa	12.0	Under Tender evaluation	31/12/2022
54.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
55.	Songadh	4.5	Tender recently approved	31/12/2022
56.	Limdi	7.4	DPR/DTP stage	31/12/2022
57.	Bhachau	1.0	Tender under approval	31/12/2022
58.	Rapar	5.2	Under tender	31/12/2022

			evaluation.	
59.	Upleta	8.9	DPR/DTP stage	31/12/2022
60.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		856.57		

Newly proposed STPs.

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
61.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
62.	Gandhinagar Bhat	30	DPR Stage	31/12/2022
63.	Rajkot Raiyadhar	8.0	Tender online	31/12/2022
Total		98		

Total of Proposed STPs= 856.57+98=954.57 MLD

Annexure-II

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river

Annexure-II (A)

Progress/Status Report of the River/PRS water quality monitoring for the Month May -2021:

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
04-05-2021	Kathor, N.H. 8	6.9	7.89	1.3	6	14	48
04-04-2021	Varachha Bridge	6.8	8.21	1.3	8	17	58
04-05-2021	ONGC Bridge	6.1	7.61	2.3	22	26	63
04-05-2021	Rander	6.9	7.92	1.2	7	14	46
04-05-2021	Swamivivekanand Bridge	5.8	7.94	2.6	19	31	94
04-05-2021	Sardar Bridge	5.7	7.9	2.4	20	26	84
04-05-2021	Umara Temple	5.9	8.13	2.5	-	31	110

Annexure-II (B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River:

Name of Location	Date	BOD	DOX	FCO	FLU	MAG	NH_3	pH	SS	SUP	T.H	TCO	TDS	TKN	TMP
BORE WELL OF KADOD, TA.MANDVI	1-4-2021	0.8	7.2	<2	0.339	33.3	0.56	8.2	10	20	2.6	<2	662	1.12	29
BORE WELL OF SHREE SAI ASHA PETROL PUMP(IOC),BHATHA	3-4-2021	1.8	4.2	<2	0.618	75.4	0.28	8.3	30	249	470	<2	2124	1.12	30

Annexure-II (C)

Drains Details with Flow:

Sr.No.	Location/Name of Drain	Discharge (MLD) Average
	Outside SUDA – L	
1	Koliwad	0.12
2	Rataniya	0.09
3	Tarsada	0.47
4	Village near Tarsada	2.44
5	Mori	0.07
6	Bhamaiya	0.08
7	Vaghechha	0.16
8	Timba	0.40
9	Machhi	0.10
10	Dhatva	0.20
11	Dungra	0.45
12	Kholeshwar	0.21
	SUDA-L	
13	Kamrej	6.58
14	Kholwad	4.58
15	Vav	14.37
16	Laskana	4.75
17	KoliBharthana	3.84
18	Valak Creek	43.24
19	Varachha Creek	51.72
20	JatBharthana	5.19
21	Pasodara	4.09
22	Sevni	4.98
	SMC-L	
23	Kotar-7	75
24	Kotar-9	5
25	Makkai Bridge	9
26	Sardar Bridge	11
27	Umra Drain	7
28	Dimple Row House	5
29	RundhJakatnaka	2
	Outside SUDA – R	
30	Mandvi	22.28
31	GamtalavBujrang	0.23
32	Ushkhedkhurd	0.07
33	Puna gam	0.26
34	Unn -kosadi	0.21
35	Nandpore	1.23
36	Kharoli	1.07
37	Kevadiya–Vadod	0.20
38	Bodhan	0.88
39	Nogama	1.30
40	Karjan	0.46
41	Virpore	0.20
42	Limodara	0.67

43	DhoranPardi	12.31
44	Khanjroli	0.14
45	Ghala	0.66
	SUDA – R	
46	Kathor	13.56
47	Bharthana	17.29
	SMC – R	
48	Swaminarayan Temple	7.5
49	Pal Jakatnaka	12.5
50	Pal-Halpativas	15

Annexure-II (D)

STP & CETP Results

STP Results

Sr.No	Location of STP	Date of Sample	pH	SS (mg/l)	BOD (mg/l)	FC (MPN/100 ml)
1	**Sewage Treatment Plant- Signapore, Surat**	04/05/2021	7.49	16	19	430
2	**Sewage Treatment Plant-Gavier, Surat**	04/05/2021	7.64	36	18	31

CETP Results

No Industrial waste water discharge into this River stretch

Annexure-III

Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date

Sr.No	River name	Details/Status
1	Tapi	1. Environmental flow: • Existing E-Flow is 2039 Cusec in lean period. • Proposed plan to achieve min e-flow: There is no inflow from December to May in Tapi River hence there is no question of releasing water during the above period, however during December to May average flow in river Tapi is 2039 Cusecs hence the question for proposed new plan to achieve minimum e-flow does not arise. 2. Detail of Good Irrigation Practices: • General Government practice of irrigation is maintained in command area of Ukai - Kakrapar Project. • Farmers are made aware to use water optimally. • During last three years' majority of canal lined at cost Rs. 540 crores. Canal system of Kakrapar Project are most of lined so as to minimize seepage losses. • As such no water logging issues are noticed due to irrigation in command area. 3. Detail on Flood Plain Management Zone: • As far as Tapi Reservoir Project is concerned. 252 villages of Surat District are identified which & may affected due to Floods in downstream of Kakrapar Weir for more than 3,91,100 cusecs discharge from Kakrapar, ln such condition people of these villages are warned through early waning arrangement in consultation with Revenue Dept. • The work of Operational Flood Early Warning Model development for tapi basin has been taken up by National Remote Sensing Centre. ISRO, Hydrabad.

Annexure-IV

Details w.r.t point no.XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/ River	Existing plantation / vegetation cover details	Proposed plan	Time limit	Remarks
Tapi River (khadod to surat)	2350 trees (Source:- Social Forestry wing, Aranya Bhavan)	0.35 Lacs plantation to be done in 2020-2021	2020-2021	As per AAP (Annexure A) for both side plantation on PRS during 2020-21

Annexure – A

List of Polluted River Stretches of Gujarat (River Both side Plantation AAP in 2020-21)		
Sr. No.	River	Plants (In lakhs)
1.	Sabarmati	1.54
2.	Bhadar	0.20
3.	Amlakhadi	0.10
4.	Bhogavo	0.60
5.	Khari	0.02
6.	Vishwamitri	0.15
7.	Dhadhar	1.10
8.	Triveni	0.10
9.	Amravati	0.10
10.	Damanganga	0.25
11.	Kolak	0.25
12.	Mahi	0.20
13.	Shedhi	0.15
14.	Tapi	0.35
15.	Anas	0.05
16.	Baleshwar Khadi	0.02
17.	Kim	0.02
18.	Meshwo	0.40
19.	Mindhola	0.05
20.	Narmada	0.45
Total		6.10

Plantation of **6.91** lakh trees have been carried out on both the sides of polluted river stretches against the action plan for planting 6.10 lakh trees

Annexure-V

Details received from concerned department regarding reuse of treated wastewater

Treated waste water utilization policy:

- Gujarat Government has framed Policy for Reuse of "Treated Waste Water (TWW)" by maximising the collection and treatment of sewage generated and reusing the treated wastewater on a sustainable basis. In this regards, revised action plan has been submitted by Gujarat Water Supply and Sewerage Board (GWSSB) to Chairman, CPCB where one of the objectives of the revised action plan is to reuse 70% of treated wastewater by 2025 and 100% of treated wastewater by 2030.
- As per the details received from Gujarat Water Supply & Sewerage Board, Latest status of Treated waste water reuse in the State is as under:

	Status		
	TWW reuse started (MLD)	TWW reuse projects in tender/execution stage (MLD)	TWW reuse under planning (MLD)
Municipal Corporations	623.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**646.68**	**250**	**790.4**

Annexure-VI

Break up of STPs proposed in Tapi Suddhikaran Yojana (Source: GUDM & GWSSB)

River	STP name & capacity	Present Status	Physical Progress (in %)	Time Line given in the River Acton Plan (Year of Commissioning/ Execution)	Expected Date of Completion	Remarks
Tapi (Priority IV)	Bhesan STP Augmentation (100 mld) SMC	Plant completed, Trial run under progress	100%	Dec-20	Completed	Delay due to Covid-19. Plant completed, Trial run under progress
	Singanpore STP Upgradation & expansion(100 mld) SMC	Work in Progress	98%	Apr-21	Jun-2021	Delay due to Covid-19.
	Bhatar STP Augmentation (115 mld) SMC	Work in Progress	70%	Apr-21	July-2021	Delay due to Covid-19.
	Kamrej- Valak creek (43.24 mld) SUDA	Work in Progress	50%	Feb-22	March-2022	Land Possession received, Delay due to Covid-19.
	Kamrej- Varachha Creek (51.72 mld) SUDA	Work in Progress	30%	Feb-22	March-2022	Land Possession received ON 22.01.2021, Procurement of electrical & mechanical equipment and civil work has

						started. Delay due to Covid-19.
	Bharthana SPS 1 at TPS-83 (22.7 mld) SUDA	Work In Progress	0%	Feb-22	September-2022	Land Possession received, Delay due to Covid-19.
	Kamrej-kholvad (Vav- 1) (16.09 mld) SUDA	Possession Received	0%	Feb-22	September-2022	Land Possession received, Delay due to Covid-19.
	Kamrej- Kamrej 1 (18.5 mld) SUDA	Work order issued Work will be started at the earliest upon receiving physical possession of said land	0%	Feb-22	September-2022	Principle sanction has received vide GoG(UD&UHD) letter dated 23/11/2020. Consequent to it 10% jantri amount deposited on 25/02/2021 for advance possession of land. Demarcation - Physical possession awaited from collectorate office ,which is expected in first half of June,2021.
	Kamrej- Dungra (0.67 mld) SUDA		0%	Feb-22	September-2022	
	Kamrej-Dhoran Pardi-2 (12.5 mld) +Dhoran Creek (1.18 mld) ,SUDA		0%	Feb-22	September-2022	
	Kamrej – Kolibharthana (4.3 mld) SUDA		0%	Feb-22	September-2022	
	Kamrej- Pasodara (4.15 mld) + Laskana (5.17 mld), SUDA		0%	Feb-22	September-2022	
	Kamrej- Karjan (1 mld) SUDA		0%	Feb-22	September-2022	
Tapi	Kamrej- Kholeshwar	Work Order	0%	Feb-22	September-2022	Hon’ble Collector shree

(Priority IV)	(0.33 mld) SUDA	issued Work will be started as soon physical land Possession availed				submitted proposal for land to State Government on date 19/09/2020. Delay due to Land Possession.
	Kamrej- Kathor (16 mld) SUDA	Work Order issued Work will be started as soon physical land Possession availed	0%	Feb-22	September-2022	Land possession is yet to be received from Jilla Panchayat office. DDO shree put a proposal in General Board of Jilla panchayat, Surat for allocation of land Delay due to Land Possession.
	Kamrej- Laskana (5.17 mld) SUDA	--	--	--	--	Feasible Government land not available and therefore consultant Green Design and Engineering Services Pvt. Ltd. , has proposed to construct STP of Laskana at Pasodra where sufficient land is available. Delay due to Land Possession.
	Kamrej-Dhoran Creek (1.18 mld) SUDA	--	--	--	--	Feasible Government land not available and therefore consultant Green Design and Engineering Services Pvt. Ltd. , has proposed to construct STP

						of Dhoran creek at Dhoran pardi -2 where sufficient land is available.
Tapi (Priority IV)	Cluster-1					
	Kamrej- Timba (0.75 MLD)	Work in Progress	20 %	Feb-2022	Sep-2022	Land is available.
	Kamrej- Sevni (5.18 MLD)					Land allotment proposal is with Collector, Surat
	Kamrej- JatBharthana (0.17 MLD)					Land is available
	Kamrej- Maachi (0.16 MLD)					
	Kamrej- Dhatva (0.34 MLD)					Land allotment proposal is with Panchayat
	Cluster-2					
Tapi (Priority IV)	Kamrej- Ghala (1.39 MLD)	Work in Progress	7 %	Feb-2022	Sep-2022	Land allotment proposal is with Collector, Surat
	Mandvi- Bodhan Village (1.3 MLD)					Land is available
	Mandvi- Khanjroli (0.29 MLD)					Land allotment proposal is with Collector, Surat
Tapi	Cluster-3					

(Priority IV)	Bardoli- Vaghecha (0.28 MLD)	Work in Progress	25%	Feb-2022	Sep-2022	Land allotment proposal is with Panchayat
	Bardoli- Bhamaiya (0.17 MLD)					Land is available
	Bardoli- Mori (0.15 MLD)					Land allotment proposal is with Panchayat
Tapi (Priority IV)	Mandvi- Tarsada(0.82 MLD)					Land allotment proposal is with Collector, Surat
	Cluster-4					
Tapi (Priority IV)	Mandvi- Punagam + Unn Kosadi (0.65 MLD)	Work in Progress	25%	Feb-2022	Sep-2022	Land allotment proposal is with Revenue Department.
Tapi (Priority IV)	Mandvi- Gamtalav Bujrang + Uskhed Khurd (0.45 MLD)					Land allotment proposal is with Collector, Surat
Tapi (Priority IV)	Mandvi STP(3.5 MLD)	Design & drawing approval in process	0	Feb-2022	June-2022	Land is available
	Creek Regions					

	Cluster-5					
Tapi (Priority IV)	Mandvi-Koliwad (0.23 MLD)	Technical Sanction given in 165th TSC Committee of GWSSB. Tender to be invited after obtaining Revised Administrative Approval	0	Feb-2022	31-12-2022	Land allotment proposal is with Collector, Surat
Tapi (Priority IV)	Mandvi- Ratania (0.18 MLD)					Land allotment proposal is with Revenue Department.
	Cluster-6					
Tapi (Priority IV)	Mandvi-Vadod (0.14 MLD)	Technical Sanction given in 165th TSC Committee of GWSSB. Tender to be invited after obtaining Revised Administrative Approval	0	Feb-2022	31-12-2022	Land allotment proposal is with Collector, Surat
	Mandvi- Munjalav (0.44 MLD)					
	Mandvi- dharmapur (0.52 MLD)					
	Mandvi-Nogama (0.32 MLD)					
	Mandvi-Kolakui (0.15 MLD)					
	Mandvi-ushker & togapur (0.15 MLD)					

		Cluster-7				
Tapi (Priority IV)	Mandvi-Kharoli (0.54 MLD)	Technical Sanction given in 165th TSC Committee of GWSSB. Tender to be invited after obtaining Revised Administrative Approval	0	Feb- 2022	31-12-2022	Land allotment proposal is with Collector, Surat
	Mandvi-Gavachhi (0.45 MLD)					
	Mandvi-Kudashi (0.08 MLD)					
	Mandvi-Naren (0.46 MLD)					
	Mandvi-Pipariya (0.25 MLD)					
	Mandvi-Kevadia (0.21 MLD)					
Tapi (Priority IV)	Creek Regions					
	Cluster-8					
	Mandvi-Godavadi (0.82 MLD)	Technical Sanction given in 165th TSC Committee of GWSSB. Tender to be invited after obtaining Revised Administrative Approval	0	Feb-2022	31-12-2022	Land allotment proposal is with Collector, Surat
	Mandvi-Kamlapor (0.33 MLD)					Land is available
Tapi (Priority IV)	Mandvi-Nanadpor (0.34 MLD)					Land allotment proposal is with Collector, Surat
Tapi (Priority IV)	Mandvi-Umarsadi (0.4 MLD)					Land allotment proposal is with Collector, Surat

	Cluster-9					
Tapi (Priority IV)	Bardoli-Kadod-Haripura (2.64 MLD)	Technical Sanction given in 165th TSC Committee of GWSSB. Tender to be invited after obtaining Revised Administrative Approval	0	Feb-2022	31-12-2022	Land allotment proposal is with Collector, Surat.
Tapi (Priority IV)	Bardoli-Jakhala (0.18 MLD)					Land allotment proposal is with Collector, Surat
Tapi (Priority IV)	Bardoli-Miyawadi (0.08 MLD)					Land allotment proposal is with Collector, Surat
Tapi (Priority IV)	Bardoli-Masad (0.46 MLD)					

Annexure-VII

Non-Complying / Partially non-complying CETPs
April- 2021

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	508
		BOD	30	42
2.	M/s. Odhav Enviro Project Ltd., Odhav, Ahmedabad	COD	250	407
		BOD	30	39
3.	M/s. Gujarat Vepari Maha Mandal Sahkari Udhyogik Vasahat Ltd, Ahmedabad	NH3-N	50	80.5
4.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	BOD	30	31
		NH3-N	50	130.2
5.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	420
		BOD	30	35
		SS	100	118
6.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	COD	250	1697
		BOD	30	321
		SS	100	326
7.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	891
		SS	100	156
		NH3-N	50	63.14
8.	M/s. Vinayak Jal SudhikaranSahakariMandali Ltd, Bavla, Ahmedabad	SS	100	164
9.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	138
10.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar.	COD	500	942
		NH_3-N	50	137.2
11.	M/s. Panoli Enviro Technology Ltd., GIDC-Panoli, Bharuch	SS	150	280
12.	M/s. Gujarat Eco Textile Park Pvt. Ltd, Palsana, Surat	SS	<60	98
13.	Vapi Green Enviro Ltd (VGEL, Vapi) (Old Name-Vapi Waste & Effluent Management Co. Ltd) (GPCB ID: 24764)	NH_3-N	50	80.5

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
14.	M/s. Sarigam Clean Initiative (Old Name-Gujarat Industrial Development Corporation), Sarigam.	SS	100	110
15.	M/s Jetpur Dying & Printing Association, Jetpur, Rajkot	COD	250	664
		BOD	100	212
16.	M/s. Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	151
		BOD	30	49
17.	M/s. Jay Khodiyar Enviro-Technologies Pvt. Ltd., Rajkot	PH	6.5 to 8.5	8.72
18.	M/s CETP of Dahej Industrial Estate	COD	250	544
		NH3-N	50	112

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Gujarat
Monthly Progress Report of PRS Anas for May – 2021.

Overall status of the State:

I. Total Population: Urban Population – 2,57,45,083, Rural Population – 3,46,94,609 (Census - 2011)

II. Estimated Sewage Generation (MLD):4003 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): 73 nos, 3485 MLD
  [7 under construction STPs are now complete and are now under trial run i.e additional 183.56 MLD]
- Capacity Utilization of existing STPs: 2739 MLD
  [additional utilization capacity as on May 2021 – 192.95 MLD from existing + newly commissioned STPs]
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
  [334.44 MLD - Gap considering 3668.56 MLD treatment capacity i.e 3485 MLD + 183.56 MLD]
- No. of Operational STPs: 73 [80 as on May 2021]
- No. of Complying STPs: 15
- No. of Non-complying STPs: 27 (including STPs not obtained CTE & CCA)
- ULBs having Oxidation ponds: 9
- Site of the STPs not visited: 17
- STPs not in operation during the site visit:3
- Details of STPs not available: 2
- STPs just commissioned / under trial run: 7
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 16, ➢ Non complying: 18 (Please refer Annexure VI) *(as per CM dash board data for **April-2021**, available on Board's website)

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Gujarat	44143	Not available	Out of 12815 water polluting industries 12700 industries having ETP. 12551 ETPs are complying with norms.	Existing CETPs : 34 Propose/Under construction/under expansion: 19

V. Solid Waste Management:

Particulars	Data
Total number of Urban Local Bodies and their population	162
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF	• There are total No. 755 of Plants for Vermi / Aerobic/ anaerobic Composting of installed processing capacity 7477 TPD. • There are 232 plants Material Recovery Facilities (MRF) with processing capacity of 5441.93 TPD installed capacity. • There are 5 plants of RDF with processing of 1390.25 TPD. • Biogas 29 plants with capacity of 1086 TPD.
Action plan to bridge gap between installed capacity and current utilization of processing facilities (if gap > 20%)	Gap is less than 20% hence not applicable.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	There are 2 Processing plants C & D Waste with processing capacity of 1300 TPD.
Total no. of wards: no. of wards having door to door collection service: no. of wards practicing segregation at source falling into PRS:	1418 1418 Information not available
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Information not available
No. and area (in acres) of uncontrolled garbage dumpsites and sanitary landfills.	Information not available
No. and area (in acres) of legacy waste within 1km. buffer on both side of the PRS	Information not available
No. of drains falling into PRS and no. of drains having floating racks/screens installed to prevent solid waste from falling into PRS	Not provided, however in-situ remediation at Ankleshwar and Kheda municipalities are under implementation. It will be commenced in all 7 municipalities related to PRS within one month after positive results of technology.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Details are being prepared.					

VI. Bio-medical Waste Management:

- Total Bio-medical generation(Related to entire State): 36.42 MT/day

  Total Bio-medical generation(Related to PRS): 27.54 MT/day

- No. of Hospitals and Health Care Facilities(Related to entire State): 31286
  No. of Hospitals and Health Care Facilities(Related to PRS): 28399
- Status of Treatment Facility/ CBMWTF(Related to entire State)
  : Existing – 20, Proposed – 1
  Capacity – 126 MT/day
  Status of Treatment Facility/ CBMWTF(Related to PRS): Existing – 16
  Capacity – 108 MT/day

VII. Hazardous Waste Management:

- Total Hazardous waste generation: 2.5 to 2.7 MMT as per HW inventory which includes landfill, incineration, recycling and co-processing. (It depends upon the industrial operation of the year)
- No. of Industries generating Hazardous waste : About 19683 as per HW inventory 19-20
- Treatment capacity of all TSDFs: Total installed capacity about 8626332MT
- Avg. quantity of HW reaching TSDF and treated : 1.3 MMT as per HW inventory 19-20
- Details of ongoing or proposed TSDF: 7 no. proposed TSDF having total installed capacity about 36lac MT

VIII. Plastic Waste Management:

Details		Quantity/Capacity
• Plastic waste generated:		408201.08 TPA (April 2019-March 2020)
• Treatment/Measures adopted for reduction or management of Plastic waste:		
Disposal of Plastic Waste through	Co-processing	109157.435 MT (from April 2019 to August 2020)
	Recycler	Total no. recycling units: 597 Capacity of recycling plastic waste: 11,13,526.56 MT/Y
	Refuse Derived Fuel	MSW units : 2 Quantity of final product sold is 129,575 MT/Annum containing 7 % of plastic waste i.e. 9071 MT/Annum (April 2019-March 2020)
	Pyrolysis	Total no. of operational units: 2 Cap. to convert plastic waste into oil: 5075 TPA Plastic used as raw material: 600 MT/M

IX.	Details of Alternate Treatment Technology being adopted by the State/UT:
-Ahmedabad & Vadodara Municipal Corporations have set up dry sewage sludge hygienisation Cobalt – 60 gamma irradiation plant. (Ahmedabad Municipal Corporation - 100	

tonnes per day) - Legacy waste treatment at Pirana dumping site, Ahmedabad.	
X.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment:
Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan. Proposal not received from PRH & RDD/ Concerned for in-situ remediation.	
XI.	Details of Nodal Officer appointed by Chief Secretary in the State/UT:
In compliance to the direction of Hon'ble NGT with reference to set up of Monitoring Mechanism, Deputy Environmental Engineer (ShriT.C.Patel) has been deputed vide letter dated 10.06.2020 at Chief Secretary office to look after the Hon'ble NGT matters.	
XII.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
All NGT matters are being reviewed regularly under chairmanship of Hon'ble CS.Total 2 review meetings are conducted so far under the chairmanship of Hon'ble CS to monitor the progress with reference to the action plans submitted w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 673/2018and to resolve various issues/non -compliances. Last meeting was convened on 10/09/2020 under the chairmanship of Hon'ble Chief Secretary Gujarat State. Two review meetings have been convened so far w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 606/2018 which also includes the review of matters related to O.A. No.:-673/2018.	
XIII.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;
Details are attached as **Annexure – II**	
XIV.	Ground water regulation:
GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" Final comments /suggestions were sought by GWRDC vide letter dated 02/11/2020 from concerned departments for finalization of the draft bill. Seven meetings of sub-committee have been convened so far for finalization of the draft bill. The final draft bill was approved by the sub-committee during the meeting held on 12/11/2020 as per the minutes of meeting. The final draft of the bill has been submitted to the Chairman of the Committee and Special Secretary, (WR), Narmada Water Resource, Water Supply &Kalpsar department Govt. of Gujarat, for	

consideration in the main committee meeting.	
XV.	Good irrigation practices being adopted by the State:
XVI.	Rain Water Harvesting:
XVII.	Demarcation of Floodplain and removal of illegal encroachments:
XVIII.	Maintaining minimum e-flow of river:
Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date is attached as **Annexure – III.**	
XIX.	Plantation activities along the rivers:
Details w.r.t point no. XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV**	
XX.	Development of biodiversity park:
As per the information received from GBB, vide letter dated 24.04.2020, Forest Dept. has established a very rich Botanical Garden at Waghai, Dangs. It also has a chain of Research Stations, Germ Plasms Banks, Provenance Banks, Sample Plots, Preservation Plots spread all over the State. Many working plans have Conservation or Preservation Working Circles for the express purpose of Biodiversity Conservation. The National Working Pan Code 2014 also mandates a Biodiversity Conservation Working Circle. All plans coming up for revision now shall have a Biodiversity Conservation Working Circle. Besides a host of Biodiversity based activities like Cactus Park, Ekta Van, Ekta Nursery, and Nutritional Park etc., have come up at Statue of Unity. Moreover, Shakkarbaug Zoo is an "A" Category zoological park along with many other zoological parks at Rajkot, Ahmedabad, Gandhinagar, Vadodara, Surat, Kevadiya etc. All these are repositories of biodiversity. Therefore, these may be treated as a Biodiversity park is totality. GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 Crore for the development of Biodiversity Park. Team suggested tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.	
XXI.	Reuse of Treated Water:
Details are attached as **Annexure – V**	
XXII.	Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:
River Sabarmati has been selected as model river stretch during the 9thRRC meeting held on 27.11.2020.	

XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:

Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms.

STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.

XXIV.	Regulation of Mining Activities in the State/UT:

Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.

XXV.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring

- Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 .
- Number of closure directions to defaulting units under section 31 A of Air Act – 1981: 5703 respectively.
- Number of notice of directions to defaulting units under section 33 A of Water Act – 1974: 17263.
- Number of closure directions to defaulting units under section 33 A of Water Act – 1974: 11383.
- Number of notice of directions under rule 4(2) of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 4130
- Number of closure directions under section 5 of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 1583

(As per Annual report – 2018-19)

***Note: Incremental progress made by the State/UT in each activity to be provided.**

RRC meetings:

RRC meetings are regularly being held at GPCB, Gandhinagar to review the progress and the minutes of the meeting having progress status, is regularly submitted to CPCB. Last RRC (9th RRC) meeting was conducted on 27/11/2020. Following are the gist of main points discussed during the meeting:

- Concerned departments / authorities/ organizations were asked to submit proposals with elongated /revised timeline for completion of the projects with the justification
- Concerned departments / authorities/ organizations were asked to furnish details of incremental progress of the projects & activities proposed under the Action Plans of Polluted River Stretches
- All the concerned Municipal Corporations & Nagapalikas were asked to submit the list of STPs not complying with the norms and proposals for up-gradation of the STPs not complying with the norms along with the timeline for completion of the same.
- GWSSB was asked to submit STP wise progress of land issues on monthly basis to RRC and GPCB.
- River Sabarmati has been selected as model river stretch.

STPs:

Sr. No.	**Details of proposed STPs Proposed, if any**	**Status**
1.	13.70 MLD of STP (Dahod Nagarpalika):	98% work completed. Physical work completed, can be commissioned after power connection.(Timeline 31/07/2021)
2.	4.60 MLD of STP (Zalod Nagarpalika)	95 % wok completed. (Revised timeline 31/07/2021)

CETPs: No any industrial effluent is being discharged into the stretch of River Anas.

Annexure-I (A)

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
1	Ahmedabad Pirana 2009	60	60	Operational	Non Compliance	
2	Ahmedabad Old Pirana 2004	106	106	Operational	Non Compliance	SCN-587981
3	Ahmedabad Pirana 2009	180	180	Operational	Non Compliance	
4	Ahmedabad Vasna 2004	126	126	Operational	Non Compliance	
5	Ahmedabad Vasna 2009	35	35	Operational	Compliance	
6	Ahmedabad Vasna 2011	240	235	Operational	Compliance	
7	Ahmedabad Vinzol 2011	70	70	Operational	Compliance	
8	Ahmedabad Vasna 2018	48	48	Operational	Compliance	
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Compliance	
10	Ahmedabad Vinzol 2020	35	30	Operational	Compliance	
11	Ahmedabad Arvind Mill	8	8	Operational	Compliance	
12	Ahmedabad Rasala	1	1	Operational	Not in operation during site visit	
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Site not visited	Only obtained ID, Not applied for CTE/CCA
14	Ahmedabad V S Hospital	1	1	Operational	Compliance	
15	Ahmedabad Nikol	0.5	0.5	Operational	Details not available	
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Compliance	
17	Ahmedabad Lambha	5	2	Operational	Details not available	
18	Surat Singanpore 2003/2014	155	147.58	Operational	Compliance	
19	Surat Karanj	140	136.59	Operational	Site not visited	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
	1999/2015					
20	Surat Bhatar 1999/2014/2017	162	162	Operational	Site not visited	
21	Surat Anjana 1995/2007/2019	122	121	Operational	Site not visited	
22	Surat Bamroli 2008/2019	100	100	Operational	Non Compliance	SCN-591844
23	Surat Bhesan 1995/2009/2020	200 (100 existing + 100 proposed expansion)	120.52	Operational	Site not visited	
24	Surat Khajod 2011	25	24.20	Operational	Site not visited	
25	Surat Asarama 2011	15	15	Operational	Non Compliance	SCN-591208
26	Surat Dindoli 2012/2019	167	72.50	Operational	Site not visited	
27	Surat Variav-Kosad 2012/2017	134	131	Operational	Compliance	
28	Surat Gavier 2016	53	16	Operational	Non Compliance	SCN-589968
29	Vadodara Tarsali	52	58	Operational	Non Compliance	SCN-591157
30	Vadodara Gajarawadi	66	72	Operational	Non Compliance	SCN-591155
31	Vadodara Kapurai	43	50	Operational	Non Compliance	SCN-591156
32	Vadodara Rajivnagar	78	55	Operational	Compliance	
33	Vadodara Sayaji garden	8.5	7	Operational	Non Compliance	
34	Vadodara Channi	21	21	Operational	Non Compliance	SCN-590935
35	Vadodara Atladara (old)	43	51	Operational	Non Compliance	SCN-28/05/2021
36	Vadodara Atladara (new)	43	43	Operational	Non Compliance	SCN-28/05/2021
37	Gandhinagar Jaspur 2007	76	45	Operational	Non Compliance	SCN-589724

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Non Compliance	
39	Gandhinagar Basan 2011-12	2	1.0	Operational	Non Compliance	SCN-590220
40	Rajkot Nr Raiya village 2010	51	45	Operational	Site not visited	
41	Rajkot Raiyadhar 2017	56	35	Operational	Compliance	
42	Rajkot Nr Madhapar 2018	44.5	16	Operational	Non Compliance	
43	Rajkot Nr Kothariya Village 2017	15	9	Operational	Non Compliance	
44	Rajkot Gavaridad 2018	70	35	Operational	Non Compliance	
45	Rajkot Madhapar 2019	80	30	Operational	Non Compliance	SCN-5858200
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Site not visited	
47	Bhavnagar Behind Excel industries	45	40	Operational	Site not visited	
48	Jamnagar Navagam Ghed	70	70	Operational	Site not visited	
49	Gandhidham - Anjar	30.00	22	Operational	Site not visited	
50	Patan	25.00	13	Operational	Site not visited	
51	Nadiad	51.26	20	Operational	Not in operation	
52	Siddhpur	5.62	5	Operational	Oxidation pond	
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond	
54	Sanand	20.50	0	Non - Operational	Site not visited	
55	Himmatnagar	17.51	6	Operational	Site not visited	
56	Petlad	10.37	8	Operational	Non Compliance	
57	Dholka	13.60	8	Operational	Non Compliance	
58	Savarkundla	13.90	5	Operational	Oxidation pond	
59	Gadhda	6.50	2	Operational	Oxidation pond	
60	Kathlal	3.80	2.59	Operational	Oxidation pond	
61	Mahudha	2.10	1.76	Operational	Oxidation pond	
62	Bayad	4.00	2.06	Operational	Oxidation pond	
63	Patadi	2.80	1.33	Operational	Oxidation pond	
64	Sojitra	2.30	2	Operational	Oxidation pond	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
65	Dwarka	7.50	2.28	Operational	Site not visited	Not obtained CTE/CCA
66	Godhra	27.60	4	Operational	Site not visited	
67	Bhuj	23.70	19	Operational	Non Compliance	Not obtained CTE/CCA
68	Bhachau	10	4	Operational	Non compliance	Not obtained CTE & CCA
69	Anand (Lambhvel)	33	9	Operational	Compliance	Not obtained CTE/CCA
70	Anand (TP-8)	13.5	2.5	Operational	Non Compliance	SCN-589391
71	Surendranagar	32.3	17	Operational	Compliance	
72	Valsad-1	20.2	2	Operational	Not in operation during site visit	
73	Morbi	28.8	6	Operational	Non Compliance	
Total		3598.86	2915.91			

New STPs under trail run.

74	Jasdan	8.80	4.0	Under trial run	
75	Tharad	4.80	2.5	Under trial run	
76	Dehgam	7.60	4.0	Under trial run	
77	Dhangadhra	11.60	1.04	Under trial run	
78	Porbandar	19.10	3.0	Under trial run	
79	Bardoli	11.30	0.0	Under trial run	
80	Vyara	6.50	1.50	Under trail run	
Total		69.7	16.04		

CTE: Consent to Establish, CC&A: Consolidated Consents and Authorization.

Annexure-I (B)

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1.	Ahmedabad Vinzol	100	95%	Completed	31/08/2021
2.	Ahmedabad Pirana	155	93%	Completed	31/08/2021
3.	Ahmedabad Maleksaban	30	30%	Completed	31/12/2022
4.	Ahmedabad	60	02%	Completed	31/12//2022

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
	Kotarpur				
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	SuratSinganpore	100	98%	Completed	31/07/2021
7.	SuratBhatar	115	74%	Completed	31/07/2021
8.	SuratBamroli	115	77%	Completed	28/02/2022
9.	SuratAsarma	22.5	54%	Completed	05/04/2022
10.	SuratKhajod	30	36%	Completed	30/11/2021
11.	Vadodara Kapurai	60	78%	85%	31/12/2021
12.	Vadodara Chhani	50	40%	Completed	31/12/2021
13.	Vadodara Bhayli	45	45%	Completed	28/02/2022
14.	Vadodara Sayaji garden	7.5	65%	Completed	28/02/2022
15.	Rajkot Kothariya, on NH bypass	15	25%	Completed	07/09/2021
16.	Bhavnagar Axcel Industries	50	42%	Completed	31/05/2022
17.	JunagadhBilkha Road, Near CBSE School	8.2	70%	Completed	03/09/2021
18.	Rajula	5.70	13%	Completed	31/10/2021
19.	Bagasara	5.90	14%	Completed	31/10/2021
20.	Chalala	2.80	90%	Completed	31/08/2021
21.	Mahuva	16.30	90%	Completed	31/08/2021
22.	Talaja	5.80	80%	Completed	31/08/2021
23.	Una	11.70	96%	Completed	31/08/2021
24.	Bantva	2.60	98%	Completed	31/08/2021
25.	Mansa	5.00	45%	Completed	31/08/2021
26.	Dhanera	4.00	48.00%	Completed	15/11/2021
27.	Bhabhar	3.50	45%	Completed	25/09/2021
28.	Thara	3.60	45%	Completed	15/11/2021
29.	Kadi	12.80	55%	Completed	05/09/2021
30.	Unjha	11.60	81%	Completed	31/08/2021
31.	Visnagar-1	12.00	97.00%	Completed	31/07/2021
32.	Visnagar-2	5.30	75%	Completed	31/08/2021
33.	Kheralu	2.90	90%	Completed	10/11/2021
34.	Vijapur	4.10	50%	Completed	10/11/2021
35.	Radhanpur	6.00	15%	98% (All civil work completed except 150 m rising main	13/06/2022

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
				balanced due to local opposition)	
36.	Idar	7.40	91.00%	Completed	31/08/2021
37.	Khedbrahma	5.80	91.00%	Completed	31/08/2021
38.	Prantij	3.70	91%	Completed	31/08/2021
39.	Talod	3.60	17%	Completed	30/10/2021
40.	Vadali	3.80	5%	Completed	30/10/2021
41.	Jambusar	5.90	62%	Completed	16/10/2021
42.	Amod	3.10	62%	Completed	16/10/2021
43.	Bilimora	8.30	15%	Completed	04/03/2022
44.	Gandevi	2.60	20%	Completed	31/03/2022
45.	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
46.	Dharampur	4.10	62%	Completed	31/08/2021
47.	Borsad	9.80	95%	Completed	31/08/2021
48.	Umreth	6.10	61%	Completed	25/08/2021
49.	Dahod	13.70	98.00%	Completed	31/07/2021
50.	Zalod	4.60	95%	Completed	31/07/2021
51.	Devgadhbariya	3.80	79%	Completed	31/07/2021
52.	Santrampur	2.91	41%	Completed	21/09/2021
53.	Kalol (P)	4.77	55%	Completed	09/09/2021
54.	Shehra	2.80	26%	Completed	30/09/2021
55.	Chhotaudepur	5.00	96%	Completed	31/07/2021
56.	Padra	5.60	82%	Completed	20/08/2021
57.	Viramgam	4.50	85%	Completed	31/08/2021
58.	Bavla	5.80	35%	Completed	12/12/2021
59.	Dhandhuka	7.50	95%	Completed	31/07/2021
60.	Bareja	3.10	85%	Completed	31/07/2021
61.	Chaklasi	4.90	0.00%	Completed	31/03/2022
62.	Kapadwanj	6.20	32%	Completed	10/12/2021
63.	Mehmdabad	5.60	60%	Completed	17/11/2021
64.	Dakor	4.90	32%	Completed	10/12/2021
65.	Kheda	5.20	43%	Completed	17/11/2021
66.	Chotila-1	2.30	22%	Completed	30/09/2021
67.	Chotila-2	1.70	15.00%	Completed	30/09/2021
68.	Wadhwan	12.10	0.00%	Completed	31/03/2022
69.	Barwala	2.90	14%	Completed	17/09/2021
70.	Harij	3.00	60%	Completed	31/12/2021
71.	Chanasma	2.50	0.00%	Completed	31/12/2021
72.	Ode	2.50	35%	Completed	09/09/2021
73.	Karjan	5.20	30%	Completed	09/12/2021
74.	Vadnagar	5.94	95.00%	Completed	30/09/2021
75.	Botad	32.00	86.00%	Completed	31/07/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
76.	Morbi-2	9.30	95%	Completed	31/07/2021
77.	Jetpur	23.50	95%	Completed	31/07/2021
78.	Gondal	16.50	55%	Completed	30/09/2021
79.	Amreli	18.20	77.00%	Completed	31/07/2021
80.	Kalol	23.50	16.00%	Completed	30/06/2022
81.	Palanpur	21.30	3.00%	95%	30/06/2022
82.	Deesa	17.00	70.00%	Completed	30/09/2021
83.	Bharuch	29.32	82.00%	90%	30/09/2021
84.	Vapi-1	14.00	55.00%	Completed	30/09/2021
85.	Anand-3	6.50	95%	Completed	31/08/2021
86.	Porbandar-1	12.80	82.00%	Completed	31/08/2021
87.	Damnagar	2.80	0.00%	Completed	11/02/2022
88.	Lathi	3.80	0.00%	Completed	11/02/2022
89.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1536.64			

New STPs for which work order given.

90.	Bhavnagar Akwada	19.2	7%	Completed	31/12/2022
91.	Anklav	3.60	20%	Completed	04/03/2022
92.	Khambhat-1	6.80	2%	Completed	04/06/2022
93.	Khambhat-2	4.50	2%	Completed	04/06/2022
94.	Thangadh	9.00	0.00%	Completed	07/06/2022
95.	Balasinor	6.50	2%	Completed	22/04/2022
96.	Savli	2.5	5%	Completed	18/04/2022
97.	Dabhoi	8.96	1%	Completed	18/04/2022
98.	Kanjari	3.3	16%	Completed	18/04/2022
99.	Halvad	6.7	0.00%	Completed	17/07/2022
100.	Rajpipla	5.02	5%	Completed	17/07/2022
101.	Pardi	4.60	0.0%	Completed	14/06/2022
102.	Mandvi Surat	3.50	0.0%	Completed	15/06/2022
103.	Ankleshwar	14.0	0.0%	Completed	15/09/2022
104.	Umargam	6.48	0.0%	Completed	14/09/2022
105.	Karamsad	7.0	0.0%	Completed	14/09/2022
106.	Boriavi	3.30	2%	Completed	14/09/2022
107.	Lunavada	5.60	0.0%	Completed	16/09/2022
108.	Palitana	10.81	0.0%	Completed	31/03/2022
Total		131.37			

Total STPs under construction: 1536.64+131.37=1668.01 MLD

Annexure-I (C)

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1.	Ahmedabad Dafnala	25	LOI Given	31/12/2022
2.	Vadodara Tarsali	100	Revised DPR under scrutiny	31/12/2022
3.	Vadodara Atladara	83	Tender to be re- invited	31/12/2022
4.	Vadodara Gajarawadi	93	Revised DPR under scrutiny	31/12/2022
5.	GandhinagarSargasan	50	LOI Given	31/12/2022
6.	Jamnagar Nr Rangmati River	50	DPR Stage	31/12/2022
7.	Junagadh Kalva	15.50	Work order given	31/12/2022
8.	Junagadh Zanzarda	11.00	Work order given	31/12/2022
9.	Junagadh near Lol river	29.50	Work order given	31/12/2022
10.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
11.	Bhanvad	3.00	Tender under approval	31/03/2022
12.	Visavadar	3.40	Tender recently approved	31/03/2022
13.	Lunawada	5.60	Tender under approval	31/03/2022
14.	Okha	10.10	Tender under approval	31/03/2022
15.	Beyt (near Okha)	1.20	Tender under approval	31/03/2022
16.	Khambhalia	5.50	Tender under approval	31/03/2022
17.	Salaya, Jamnagar	6.20	Tender under approval	31/03/2022
18.	Jamjodhpur	3.60	Tender recently approved	31/03/2022
19.	Wankaner	5.80	Tender recently approved	31/03/2022
20.	Chhaya	13.10	Tender under approval	31/03/2022
21.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
22.	Veraval- Patan	33.90	Tender to be invited	31/03/2022
23.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
24.	Babra	4.00	Under Tender evaluation	31/12/2022
25.	Kodinar	5.60	Under Tender evaluation	31/12/2022
26.	Sutrapada	4.00	Tender tobe invited	31/12/2022

27.	Talala	3.80	Under Tender evaluation	31/12/2022
28.	Chorvad	3.70	Tender recently approved	31/12/2022
29.	Halol	11.60	Tender to be invited	31/12/2022
30.	Thasra	2.30	Tender to be invited	31/12/2022
31.	Mandvi-2 (Salaya)	3.20	Tender to be invited	31/12/2022
32.	Mandvi-1 (JT Grounds)	5.30	Tender to be invited	31/12/2022
33.	Jamraval	2.60	Tender to be invited	31/12/2022
34.	Dhrol	3.60	Under tender evaluation.	31/12/2022
35.	Kalavad	4.50	Tender under approval	31/12/2022
36.	Maliya	2.50	Tender to be invited	31/12/2022
37.	Kutiyana	2.90	Tender under approval	31/12/2022
38.	Ranavav-1 (Adityana)	3.00	Tender under approval	31/12/2022
39.	Ranavav-2	4.50	Tender under approval	31/12/2022
40.	Dhoraji	12.90	Tender recently approved	31/12/2022
41.	Bhayavadar	3.10	Tender to be invited	31/12/2022
42.	Manavadar	4.90	Tender recently approved	31/12/2022
43.	Pethapur	3.80	DPR stage	30/06/2022
44.	Sikka	2.90	Tender recently approved	31/12/2022
45.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
46.	Mahesana-1	23.18	Under Tender evaluation	31/03/2022
47.	Mahesana-2	18.46	Under Tender evaluation	31/03/2022
48.	Jafrabad	5.4	Tender online	31/12/2022
49.	Gariyadhar	7.1	Under Tender evaluation	31/12/2022
50.	Shihor	8.9	Under Tender evaluation	31/12/2022
51.	Mangrol	9.6	DPR/DTP stage	31/12/2022
52.	Vanthli	2.2	DPR/DTP stage	31/12/2022
53.	Modasa	12.0	Under Tender evaluation	31/12/2022
54.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
55.	Songadh	4.5	Tender recently approved	31/12/2022
56.	Limdi	7.4	DPR/DTP stage	31/12/2022
57.	Bhachau	1.0	Tender under approval	31/12/2022
58.	Rapar	5.2	Under tender evaluation.	31/12/2022
59.	Upleta	8.9	DPR/DTP stage	31/12/2022
60.	Kadodara	-	DPR/DTP stage	31/12/2022

Total	856.57		

Newly proposed STPs.

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
61.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
62.	Gandhinagar Bhat	30	DPR Stage	31/12/2022
63.	Rajkot Raiyadhar	8.0	Tender online	31/12/2022
Total		98		

Total of Proposed STPs= 856.57+98=954.57 MLD

Annexure-II

XIII. Progress/Status Report of the River/PRS water quality Monitoring (May– 2021):

Sampling Point	BOD (mg/L)	COD (mg/L)	DO (mg/L)	FCO (MPN/100 ml)	pH	TCO (MPN/100 ml)	TDS (mg/L)
River Anas at Limadi (Zalod) - Kushalgadh Road, Vill. Chakaliya, Dist. Dahod.	0.7	6.0	7.3	11	8.51	94	358

Note: Does not fall in any Priority as per the MPRs of June-2020 to May-2021.

Annexure-II (A)

STPs Results

Not Applicable. There are no existing / operational STP in the region. STPs for Dahod and Zalod Nagarpalikas are under construction, as stated above.

Annexure-II(B)

Drain details with flow:

Sr.No.	Location	Name of Inletting River/Drain	Discharge (MLD)	
			Max.	Min.
1	Mandavav Bridge, Mandavav - Dhamarada Road, Dahod.	River Khan	--	--
2	Kharasana Bridge, Zalod – Thunthikankachiya Road, Dist. Dahod. (Zalod)	River Machhananala	--	--

Annexure-II (C) CETPs Results

Not Applicable. As there is no discharge of industrial effluent in identified stretch of River Anas, there is no existing/ proposed CETP.

Annexure-II (D)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River (May-2021):

Sampling Point	BOD (mg/L)	COD (mg/L)	DO (mg/L)	FCO (MPN/100 ml)	pH	TCO (MPN/100 ml)	TDS (mg/L)
Hand Pump Opp. M/S Star Rediator, Chakaliya Road, Gidc, Dahod, Dist. Dahod	0.7	12	3.1	<1.8	7.69	<1.8	1224
Well At Hindu Dharamashala, Station Road, Dahod	0.7	13	6.6	<1.8	8.02	<1.8	694

Annexure-III

Details w.r.t point no. XV, XVI, XVII &XVIII given by Irrigation Dept./WRD as on date

Sr.No	River name	Details/Status
1	Anas	1. Environmental flow: • 735 MCM (As per MoEF & CC Norms) Proposed plan to achieve minimum e-flow: There is less inflow from December to May in Anas River hence there is no question of releasing water during above period, however December to May, Average flow in river Anas is 600 Cusecs hence question does not arise. 2. Detail of Good irrigation Practices: • NA 3. Detail on Flood Plain Management Zone: • NA

Annexure-IV

Details w.r.t point no.XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/river	Existing plantation/vegetation cover details	Proposed plan	Time limit	Remarks
Anas	Existing vegetation covered by Propopisjuliflora & caparisaphylla, other shrubs.	0.05 lacs plantation to be done in 2020-2021	2020-21	As per AAP (Annexure A) for both side plantation on PRS during 2020-21.

Annexure – A

List of Polluted River Stretches of Gujarat (River Both side Plantation AAP in 2020-21)		
Sr. No.	River	Plants (In lakhs)
1.	Sabarmati	1.54
2.	Bhadar	0.20
3.	Amlakhadi	0.10
4.	Bhogavo	0.60
5.	Khari	0.02
6.	Vishwamitri	0.15
7.	Dhadhar	1.10
8.	Triveni	0.10
9.	Amravati	0.10
10.	Damanganga	0.25
11.	Kolak	0.25
12.	Mahi	0.20
13.	Shedhi	0.15
14.	Tapi	0.35
15.	Anas	0.05
16.	Baleshwar Khadi	0.02
17.	Kim	0.02
18.	Meshwo	0.40
19.	Mindhola	0.05
20.	Narmada	0.45
Total		6.10

Plantation of **6.91** lakh trees have been carried out on both the sides of polluted river stretches against the action plan for planting 6.10 lakh trees

Annexure-V

Details received from concerned department regarding reuse of treated wastewater

Treated waste water utilization policy:

- Gujarat Government has framed Policy for Reuse of "Treated Waste Water (TWW)" by maximising the collection and treatment of sewage generated and reusing the treated wastewater on a sustainable basis. In this regards, revised action plan has been submitted by Gujarat Water Supply and Sewerage Board (GWSSB) to Chairman, CPCB where one of the objectives of the revised action plan is to reuse 70% of treated wastewater by 2025 and 100% of treated wastewater by 2030.
- As per the details received from Gujarat Water Supply & Sewerage Board, Latest status of Treated waste water reuse in the State is as under:

	Status		
	TWW reuse started (MLD)	TWW reuse projects in tender/execution stage (MLD)	TWW reuse under planning (MLD)
Municipal Corporations	623.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**646.68**	**250**	**790.4**

Annexure-VI

Non-Complying / Partially non-complying CETPs
April- 2021

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	508
		BOD	30	42
2.	M/s. Odhav Enviro Project Ltd., Odhav, Ahmedabad	COD	250	407
		BOD	30	39
3.	M/s. Gujarat Vepari Maha Mandal Sahkari Udhyogik Vasahat Ltd, Ahmedabad	NH3-N	50	80.5
4.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	BOD	30	31
		NH3-N	50	130.2
5.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	420
		BOD	30	35
		SS	100	118
6.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	COD	250	1697
		BOD	30	321
		SS	100	326
7.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	891
		SS	100	156
		NH3-N	50	63.14
8.	M/s. Vinayak Jal SudhikaranSahakariMandali Ltd, Bavla, Ahmedabad	SS	100	164
9.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	138
10.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar.	COD	500	942
		NH_3-N	50	137.2
11.	M/s. Panoli Enviro Technology Ltd., GIDC-Panoli, Bharuch	SS	150	280
12.	M/s. Gujarat Eco Textile Park Pvt. Ltd, Palsana, Surat	SS	<60	98
13.	Vapi Green Enviro Ltd (VGEL, Vapi) (Old Name-Vapi Waste & Effluent Management Co. Ltd) (GPCB ID: 24764)	NH_3-N	50	80.5

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
14.	M/s. Sarigam Clean Initiative (Old Name-Gujarat Industrial Development Corporation), Sarigam.	SS	100	110
15.	M/s Jetpur Dying & Printing Association, Jetpur, Rajkot	COD	250	664
		BOD	100	212
16.	M/s. Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	151
		BOD	30	49
17.	M/s. Jay Khodiyar Enviro-Technologies Pvt. Ltd., Rajkot	PH	6.5 to 8.5	8.72
18.	M/s CETP of Dahej Industrial Estate	COD	250	544
		NH3-N	50	112

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Gujarat
Monthly Progress Report of PRS Baleshwar Khadi for May - 2021.

Overall status of the State:

I. Total Population: Urban Population – 2,57,45,083, Rural Population – 3,46,94,609 (Census - 2011)

II. Estimated Sewage Generation (MLD):4003 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): 73 nos, 3485 MLD
  [7 under construction STPs are now complete and are now under trial run i.e additional 183.56 MLD]
- Capacity Utilization of existing STPs: 2739 MLD
  [additional utilization capacity as on May 2021 – 192.95 MLD from existing + newly commissioned STPs]
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
  [334.44 MLD - Gap considering 3668.56 MLD treatment capacity i.e 3485 MLD + 183.56 MLD]
- No. of Operational STPs: 73 [80 as on May 2021]
- No. of Complying STPs: 15
- No. of Non-complying STPs: 27 (including STPs not obtained CTE & CCA)
- ULBs having Oxidation ponds: 9
- Site of the STPs not visited: 17
- STPs not in operation during the site visit:3
- Details of STPs not available: 2
- STPs just commissioned / under trial run: 7
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 16, ➢ Non complying: 18 (Please refer Annexure VI) *(as per CM dash board data for **April-2021**, available on Board's website)

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Gujarat	44143	Not available	Out of 12815 water polluting industries 12700 industries having ETP. 12551 ETPs are complying with norms.	Existing CETPs : 34 Propose/Under construction/under expansion: 19

V. **Solid Waste Management:**

Particulars	Data
Total number of Urban Local Bodies and their population	162
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF	• There are total No. 755 of Plants for Vermi / Aerobic/ anaerobic Composting of installed processing capacity 7477 TPD. • There are 232 plants Material Recovery Facilities (MRF) with processing capacity of 5441.93 TPD installed capacity. • There are 5 plants of RDF with processing of 1390.25 TPD. • Biogas 29 plants with capacity of 1086 TPD.
Action plan to bridge gap between installed capacity and current utilization of processing facilities (if gap > 20%)	Gap is less than 20% hence not applicable.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	There are 2 Processing plants C & D Waste with processing capacity of 1300 TPD.
Total no. of wards: no. of wards having door to door collection service: no. of wards practicing segregation at source falling into PRS:	1418 1418 Information not available
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Information not available
No. and area (in acres) of uncontrolled garbage dumpsites and sanitary landfills.	Information not available
No. and area (in acres) of legacy waste within 1km. buffer on both side of the PRS	Information not available
No. of drains falling into PRS and no. of drains having floating racks/screens installed to prevent solid waste from falling into PRS	Not provided, however in-situ remediation at Ankleshwar and Kheda municipalities are under implementation. It will be commenced in all 7 municipalities related to PRS within one month after positive results of technology.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Details are being prepared.					

VI. Bio-medical Waste Management:

- Total Bio-medical generation(Related to entire State): 36.42 MT/day
  Total Bio-medical generation(Related to PRS): 27.54 MT/day
- No. of Hospitals and Health Care Facilities(Related to entire State): 31286
  No. of Hospitals and Health Care Facilities(Related to PRS): 28399
- Status of Treatment Facility/ CBMWTF(Related to entire State)
  : Existing – 20, Proposed – 1
  Capacity – 126 MT/day

Status of Treatment Facility/ CBMWTF(Related to PRS): Existing – 16
Capacity – 108 MT/day

VII. Hazardous Waste Management:

- Total Hazardous waste generation: 2.5 to 2.7 MMT as per HW inventory which includes landfill, incineration, recycling and co-processing. (It depends upon the industrial operation of the year)
- No. of Industries generating Hazardous waste : About 19683 as per HW inventory 19-20
- Treatment capacity of all TSDFs: Total installed capacity about 8626332MT
- Avg. quantity of HW reaching TSDF and treated : 1.3 MMT as per HW inventory 19-20
- Details of ongoing or proposed TSDF: 7 no. proposed TSDF having total installed capacity about 36lac MT

VIII. Plastic Waste Management:

Details		Quantity/Capacity
• Plastic waste generated:		408201.08 TPA (April 2019-March 2020)
• Treatment/Measures adopted for reduction or management of Plastic waste:		
Disposal of Plastic Waste through	Co-processing	109157.435 MT (from April 2019 to August 2020)
	Recycler	Total no. recycling units: 597 Capacity of recycling plastic waste: 11,13,526.56 MT/Y
	Refuse Derived Fuel	MSW units : 2 Quantity of final product sold is 129,575 MT/Annum containing 7 % of plastic waste i.e. 9071 MT/Annum (April 2019-March 2020)
	Pyrolysis	Total no. of operational units: 2 Cap. to convert plastic waste into oil: 5075 TPA Plastic used as raw material: 600 MT/M

IX.	Details of Alternate Treatment Technology being adopted by the State/UT:
-Ahmedabad & Vadodara Municipal Corporations have set up dry sewage sludge hygienisation Cobalt – 60 gamma irradiation plant. (Ahmedabad Municipal Corporation - 100 tonnes per day) - Legacy waste treatment at Pirana dumping site, Ahmedabad.	
X.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment:
Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan. Proposal not received from PRH & RDD/ Concerned for in-situ remediation.	
XI.	Details of Nodal Officer appointed by Chief Secretary in the State/UT:
In compliance to the direction of Hon'ble NGT with reference to set up of Monitoring Mechanism, Deputy Environmental Engineer (ShriT.C.Patel) has been deputed vide letter dated 10.06.2020 at Chief Secretary office to look after the Hon'ble NGT matters.	
XII.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
All NGT matters are being reviewed regularly under chairmanship of Hon'ble CS.Total 2 review meetings are conducted so far under the chairmanship of Hon'ble CS to monitor the progress with reference to the action plans submitted w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 673/2018and to resolve various issues/non -compliances. Last meeting was convened on 10/09/2020 under the chairmanship of Hon'ble Chief Secretary Gujarat State. Two review meetings have been convened so far w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 606/2018 which also includes the review of matters related to O.A. No.:-673/2018.	
XIII.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;
Details are attached as **Annexure – II**	
XIV.	Ground water regulation:
GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" Final comments /suggestions were sought by GWRDC vide letter dated 02/11/2020 from concerned departments for finalization of the draft bill. Seven meetings of sub-committee have been convened so far for finalization of the draft bill. The final draft bill was approved by the sub-	

committee during the meeting held on 12/11/2020 as per the minutes of meeting. The final draft of the bill has been submitted to the Chairman of the Committee andSpecial Secretary, (WR), Narmada Water Resource, Water Supply & Kalpsar department,Govt. of Gujarat, for consideration in the main committee meeting.	
XV.	Good irrigation practices being adopted by the State:
XVI.	Rain Water Harvesting:
XVII.	Demarcation of Floodplain and removal of illegal encroachments:
XVIII.	Maintaining minimum e-flow of river:
Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date is attached as **Annexure – III.**	
XIX.	Plantation activities along the rivers:
Details w.r.t point no. XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV**	
XX.	Development of biodiversity park:
As per the information received from GBB, vide letter dated 24.04.2020, Forest Dept. has established a very rich Botanical Garden at Waghai, Dangs. It also has a chain of Research Stations, Germ Plasms Banks, Provenance Banks, Sample Plots, Preservation Plots spread all over the State. Many working plans have Conservation or Preservation Working Circles for the express purpose of Biodiversity Conservation. The National Working Pan Code 2014 also mandates a Biodiversity Conservation Working Circle. All plans coming up for revision now shall have a Biodiversity Conservation Working Circle. Besides a host of Biodiversity based activities like Cactus Park, Ekta Van, Ekta Nursery, and Nutritional Park etc., have come up at Statue of Unity. Moreover, Shakkarbaug Zoo is an "A" Category zoological park along with many other zoological parks at Rajkot, Ahmedabad, Gandhinagar, Vadodara, Surat, Kevadiya etc. All these are repositories of biodiversity. Therefore, these may be treated as a Biodiversity park is totality. GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 Crore for the development of Biodiversity Park. Team suggested tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.	
XXI.	Reuse of Treated Water:
Details are attached as **Annexure – V**	
XXII.	Model River being adopted by the State & Action Proposed for achieving the

	bathing quality standards:
River Sabarmati has been selected as model river stretch during the 9thRRC meeting held on 27.11.2020.	
XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:
Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms. STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.	
XXIV.	Regulation of Mining Activities in the State/UT:
Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.	
XXV.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring
• Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 . • Number of closure directions to defaulting units under section 31 A of Air Act – 1981: 5703 respectively. • Number of notice of directions to defaulting units under section 33 A of Water Act – 1974: 17263. • Number of closure directions to defaulting units under section 33 A of Water Act – 1974: 11383. • Number of notice of directions under rule 4(2) of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 4130 • Number of closure directions under section 5 of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 1583 (As per Annual report – 2018-19)	

***Note: Incremental progress made by the State/UT in each activity to be provided.**

RRC meetings:

RRC meetings are regularly being held at GPCB, Gandhinagar to review the progress and the minutes of the meeting having progress status, is regularly submitted to CPCB. Last RRC (9th RRC) meeting was conducted on 27/11/2020. Following are the gist of main points discussed during the meeting:

- Concerned departments / authorities/ organizations were asked to submit proposals with elongated /revised timeline for completion of the projects with the justification
- Concerned departments / authorities/ organizations were asked to furnish details of incremental progress of the projects & activities proposed under the Action Plans of Polluted River Stretches
- All the concerned Municipal Corporations & Nagapalikas were asked to submit the list of STPs not complying with the norms and proposals for up-gradation of the STPs not complying with the norms along with the timeline for completion of the same.
- GWSSB was asked to submit STP wise progress of land issues on monthly basis to RRC and GPCB.
- River Sabarmati has been selected as model river stretch.

STPs: A meeting was held on 13/01/2021 under the chairmanship of ACS PRH&RDD for management of sewage being discharged from villages in to the 6 PRS. During the meeting, looking to the magnitude & importance of the work, it was decided to seek the extension of time limit for further 3 years.

CETPs:

Sr. No.	Proposed CETP details	Status
1.	Up-gradation CETP GETPL:- proposed Up gradation of CETP to achieve ZLD	Obtained CTE Amendment for zero liquid discharge. Site office erection & area leveling is complete. Pre-treatment units 39% complete, tertiary treatment units 70% complete, MBBR tank 60% complete, gabion wall 90% complete and piping work 33% complete. The proposal is for Zero Liquid Discharge. However, the CETP is meeting with the norms.

Annexure-I (A)

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
1	Ahmedabad Pirana 2009	60	60	Operational	Non Compliance	
2	Ahmedabad Old Pirana 2004	106	106	Operational	Non Compliance	SCN-587981
3	Ahmedabad Pirana 2009	180	180	Operational	Non Compliance	
4	Ahmedabad Vasna 2004	126	126	Operational	Non Compliance	
5	Ahmedabad Vasna 2009	35	35	Operational	Compliance	
6	Ahmedabad Vasna 2011	240	235	Operational	Compliance	
7	Ahmedabad Vinzol 2011	70	70	Operational	Compliance	
8	Ahmedabad Vasna 2018	48	48	Operational	Compliance	
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Compliance	
10	Ahmedabad Vinzol 2020	35	30	Operational	Compliance	
11	Ahmedabad Arvind Mill	8	8	Operational	Compliance	
12	Ahmedabad Rasala	1	1	Operational	Not in operation during site visit	
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Site not visited	Only obtained ID, Not applied for CTE/CCA
14	Ahmedabad V S Hospital	1	1	Operational	Compliance	
15	Ahmedabad Nikol	0.5	0.5	Operational	Details not available	
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Compliance	
17	Ahmedabad Lambha	5	2	Operational	Details not available	
18	Surat Singanpore 2003/2014	155	147.58	Operational	Compliance	
19	Surat Karanj	140	136.59	Operational	Site not visited	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
	1999/2015					
20	Surat Bhatar 1999/2014/2017	162	162	Operational	Site not visited	
21	Surat Anjana 1995/2007/2019	122	121	Operational	Site not visited	
22	Surat Bamroli 2008/2019	100	100	Operational	Non Compliance	SCN-591844
23	Surat Bhesan 1995/2009/2020	200 (100 existing + 100 proposed expansion)	120.52	Operational	Site not visited	
24	Surat Khajod 2011	25	24.20	Operational	Site not visited	
25	Surat Asarama 2011	15	15	Operational	Non Compliance	SCN-591208
26	Surat Dindoli 2012/2019	167	72.50	Operational	Site not visited	
27	Surat Variav-Kosad 2012/2017	134	131	Operational	Compliance	
28	Surat Gavier 2016	53	16	Operational	Non Compliance	SCN-589968
29	Vadodara Tarsali	52	58	Operational	Non Compliance	SCN-591157
30	Vadodara Gajarawadi	66	72	Operational	Non Compliance	SCN-591155
31	Vadodara Kapurai	43	50	Operational	Non Compliance	SCN-591156
32	Vadodara Rajivnagar	78	55	Operational	Compliance	
33	Vadodara Sayaji garden	8.5	7	Operational	Non Compliance	
34	Vadodara Channi	21	21	Operational	Non Compliance	SCN-590935
35	Vadodara Atladara (old)	43	51	Operational	Non Compliance	SCN-28/05/2021
36	Vadodara Atladara (new)	43	43	Operational	Non Compliance	SCN-28/05/2021
37	Gandhinagar Jaspur 2007	76	45	Operational	Non Compliance	SCN-589724

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Non Compliance	
39	Gandhinagar Basan 2011-12	2	1.0	Operational	Non Compliance	SCN-590220
40	Rajkot Nr Raiya village 2010	51	45	Operational	Site not visited	
41	Rajkot Raiyadhar 2017	56	35	Operational	Compliance	
42	Rajkot Nr Madhapar 2018	44.5	16	Operational	Non Compliance	
43	Rajkot Nr Kothariya Village 2017	15	9	Operational	Non Compliance	
44	Rajkot Gavaridad 2018	70	35	Operational	Non Compliance	
45	Rajkot Madhapar 2019	80	30	Operational	Non Compliance	SCN-5858200
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Site not visited	
47	Bhavnagar Behind Excel industries	45	40	Operational	Site not visited	
48	Jamnagar Navagam Ghed	70	70	Operational	Site not visited	
49	Gandhidham - Anjar	30.00	22	Operational	Site not visited	
50	Patan	25.00	13	Operational	Site not visited	
51	Nadiad	51.26	20	Operational	Not in operation	
52	Siddhpur	5.62	5	Operational	Oxidation pond	
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond	
54	Sanand	20.50	0	Non - Operational	Site not visited	
55	Himmatnagar	17.51	6	Operational	Site not visited	
56	Petlad	10.37	8	Operational	Non Compliance	
57	Dholka	13.60	8	Operational	Non Compliance	
58	Savarkundla	13.90	5	Operational	Oxidation pond	
59	Gadhda	6.50	2	Operational	Oxidation pond	
60	Kathlal	3.80	2.59	Operational	Oxidation pond	
61	Mahudha	2.10	1.76	Operational	Oxidation pond	
62	Bayad	4.00	2.06	Operational	Oxidation pond	
63	Patadi	2.80	1.33	Operational	Oxidation pond	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
64	Sojitra	2.30	2	Operational	Oxidation pond	
65	Dwarka	7.50	2.28	Operational	Site not visited	Not obtained CTE/CCA
66	Godhra	27.60	4	Operational	Site not visited	
67	Bhuj	23.70	19	Operational	Non Compliance	Not obtained CTE/CCA
68	Bhachau	10	4	Operational	Non compliance	Not obtained CTE & CCA
69	Anand (Lambhvel)	33	9	Operational	Compliance	Not obtained CTE/CCA
70	Anand (TP-8)	13.5	2.5	Operational	Non Compliance	SCN-589391
71	Surendranagar	32.3	17	Operational	Compliance	
72	Valsad-1	20.2	2	Operational	Not in operation during site visit	
73	Morbi	28.8	6	Operational	Non Compliance	
Total		3598.86	2915.91			

New STPs under trail run.

74	Jasdan	8.80	4.0	Under trial run	
75	Tharad	4.80	2.5	Under trial run	
76	Dehgam	7.60	4.0	Under trial run	
77	Dhangadhra	11.60	1.04	Under trial run	
78	Porbandar	19.10	3.0	Under trial run	
79	Bardoli	11.30	0.0	Under trial run	
80	Vyara	6.50	1.50	Under trail run	
Total		69.7	16.04		

CTE: Consent to Establish, CC&A: Consolidated Consents and Authorization.

Annexure-I (B)

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1.	Ahmedabad Vinzol	100	95%	Completed	31/08/2021
2.	Ahmedabad Pirana	155	93%	Completed	31/08/2021
3.	Ahmedabad Maleksaban	30	30%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	02%	Completed	31/12//2022

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	SuratSinganpore	100	98%	Completed	31/07/2021
7.	SuratBhatar	115	74%	Completed	31/07/2021
8.	SuratBamroli	115	77%	Completed	28/02/2022
9.	SuratAsarma	22.5	54%	Completed	05/04/2022
10.	SuratKhajod	30	36%	Completed	30/11/2021
11.	Vadodara Kapurai	60	78%	85%	31/12/2021
12.	Vadodara Chhani	50	40%	Completed	31/12/2021
13.	Vadodara Bhayli	45	45%	Completed	28/02/2022
14.	Vadodara Sayaji garden	7.5	65%	Completed	28/02/2022
15.	Rajkot Kothariya, on NH bypass	15	25%	Completed	07/09/2021
16.	Bhavnagar Axcel Industries	50	42%	Completed	31/05/2022
17.	JunagadhBilkha Road, Near CBSE School	8.2	70%	Completed	03/09/2021
18.	Rajula	5.70	13%	Completed	31/10/2021
19.	Bagasara	5.90	14%	Completed	31/10/2021
20.	Chalala	2.80	90%	Completed	31/08/2021
21.	Mahuva	16.30	90%	Completed	31/08/2021
22.	Talaja	5.80	80%	Completed	31/08/2021
23.	Una	11.70	96%	Completed	31/08/2021
24.	Bantva	2.60	98%	Completed	31/08/2021
25.	Mansa	5.00	45%	Completed	31/08/2021
26.	Dhanera	4.00	48.00%	Completed	15/11/2021
27.	Bhabhar	3.50	45%	Completed	25/09/2021
28.	Thara	3.60	45%	Completed	15/11/2021
29.	Kadi	12.80	55%	Completed	05/09/2021
30.	Unjha	11.60	81%	Completed	31/08/2021
31.	Visnagar-1	12.00	97.00%	Completed	31/07/2021
32.	Visnagar-2	5.30	75%	Completed	31/08/2021
33.	Kheralu	2.90	90%	Completed	10/11/2021
34.	Vijapur	4.10	50%	Completed	10/11/2021
35.	Radhanpur	6.00	15%	98% (All civil work completed except 150 m rising main balanced due to	13/06/2022

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
				local opposition)	
36.	Idar	7.40	91.00%	Completed	31/08/2021
37.	Khedbrahma	5.80	91.00%	Completed	31/08/2021
38.	Prantij	3.70	91%	Completed	31/08/2021
39.	Talod	3.60	17%	Completed	30/10/2021
40.	Vadali	3.80	5%	Completed	30/10/2021
41.	Jambusar	5.90	62%	Completed	16/10/2021
42.	Amod	3.10	62%	Completed	16/10/2021
43.	Bilimora	8.30	15%	Completed	04/03/2022
44.	Gandevi	2.60	20%	Completed	31/03/2022
45.	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
46.	Dharampur	4.10	62%	Completed	31/08/2021
47.	Borsad	9.80	95%	Completed	31/08/2021
48.	Umreth	6.10	61%	Completed	25/08/2021
49.	Dahod	13.70	98.00%	Completed	31/07/2021
50.	Zalod	4.60	95%	Completed	31/07/2021
51.	Devgadhbariya	3.80	79%	Completed	31/07/2021
52.	Santrampur	2.91	41%	Completed	21/09/2021
53.	Kalol (P)	4.77	55%	Completed	09/09/2021
54.	Shehra	2.80	26%	Completed	30/09/2021
55.	Chhotaudepur	5.00	96%	Completed	31/07/2021
56.	Padra	5.60	82%	Completed	20/08/2021
57.	Viramgam	4.50	85%	Completed	31/08/2021
58.	Bavla	5.80	35%	Completed	12/12/2021
59.	Dhandhuka	7.50	95%	Completed	31/07/2021
60.	Bareja	3.10	85%	Completed	31/07/2021
61.	Chaklasi	4.90	0.00%	Completed	31/03/2022
62.	Kapadwanj	6.20	32%	Completed	10/12/2021
63.	Mehmdabad	5.60	60%	Completed	17/11/2021
64.	Dakor	4.90	32%	Completed	10/12/2021
65.	Kheda	5.20	43%	Completed	17/11/2021
66.	Chotila-1	2.30	22%	Completed	30/09/2021
67.	Chotila-2	1.70	15.00%	Completed	30/09/2021
68.	Wadhwan	12.10	0.00%	Completed	31/03/2022
69.	Barwala	2.90	14%	Completed	17/09/2021
70.	Harij	3.00	60%	Completed	31/12/2021
71.	Chanasma	2.50	0.00%	Completed	31/12/2021
72.	Ode	2.50	35%	Completed	09/09/2021
73.	Karjan	5.20	30%	Completed	09/12/2021
74.	Vadnagar	5.94	95.00%	Completed	30/09/2021
75.	Botad	32.00	86.00%	Completed	31/07/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
76.	Morbi-2	9.30	95%	Completed	31/07/2021
77.	Jetpur	23.50	95%	Completed	31/07/2021
78.	Gondal	16.50	55%	Completed	30/09/2021
79.	Amreli	18.20	77.00%	Completed	31/07/2021
80.	Kalol	23.50	16.00%	Completed	30/06/2022
81.	Palanpur	21.30	3.00%	95%	30/06/2022
82.	Deesa	17.00	70.00%	Completed	30/09/2021
83.	Bharuch	29.32	82.00%	90%	30/09/2021
84.	Vapi-1	14.00	55.00%	Completed	30/09/2021
85.	Anand-3	6.50	95%	Completed	31/08/2021
86.	Porbandar-1	12.80	82.00%	Completed	31/08/2021
87.	Damnagar	2.80	0.00%	Completed	11/02/2022
88.	Lathi	3.80	0.00%	Completed	11/02/2022
89.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1536.64			

New STPs for which work order given.

90.	Bhavnagar Akwada	19.2	7%	Completed	31/12/2022
91.	Anklav	3.60	20%	Completed	04/03/2022
92.	Khambhat-1	6.80	2%	Completed	04/06/2022
93.	Khambhat-2	4.50	2%	Completed	04/06/2022
94.	Thangadh	9.00	0.00%	Completed	07/06/2022
95.	Balasinor	6.50	2%	Completed	22/04/2022
96.	Savli	2.5	5%	Completed	18/04/2022
97.	Dabhoi	8.96	1%	Completed	18/04/2022
98.	Kanjari	3.3	16%	Completed	18/04/2022
99.	Halvad	6.7	0.00%	Completed	17/07/2022
100.	Rajpipla	5.02	5%	Completed	17/07/2022
101.	Pardi	4.60	0.0%	Completed	14/06/2022
102.	Mandvi Surat	3.50	0.0%	Completed	15/06/2022
103.	Ankleshwar	14.0	0.0%	Completed	15/09/2022
104.	Umargam	6.48	0.0%	Completed	14/09/2022
105.	Karamsad	7.0	0.0%	Completed	14/09/2022
106.	Boriavi	3.30	2%	Completed	14/09/2022
107.	Lunavada	5.60	0.0%	Completed	16/09/2022
108.	Palitana	10.81	0.0%	Completed	31/03/2022
Total		131.37			

Total STPs under construction: 1536.64+131.37=1668.01 MLD

Annexure-I (C)

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1.	Ahmedabad Dafnala	25	LOI Given	31/12/2022
2.	Vadodara Tarsali	100	Revised DPR under scrutiny	31/12/2022
3.	Vadodara Atladara	83	Tender to be re- invited	31/12/2022
4.	Vadodara Gajarawadi	93	Revised DPR under scrutiny	31/12/2022
5.	GandhinagarSargasan	50	LOI Given	31/12/2022
6.	Jamnagar Nr Rangmati River	50	DPR Stage	31/12/2022
7.	Junagadh Kalva	15.50	Work order given	31/12/2022
8.	Junagadh Zanzarda	11.00	Work order given	31/12/2022
9.	Junagadh near Lol river	29.50	Work order given	31/12/2022
10.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
11.	Bhanvad	3.00	Tender under approval	31/03/2022
12.	Visavadar	3.40	Tender recently approved	31/03/2022
13.	Lunawada	5.60	Tender under approval	31/03/2022
14.	Okha	10.10	Tender under approval	31/03/2022
15.	Beyt (near Okha)	1.20	Tender under approval	31/03/2022
16.	Khambhalia	5.50	Tender under approval	31/03/2022
17.	Salaya, Jamnagar	6.20	Tender under approval	31/03/2022
18.	Jamjodhpur	3.60	Tender recently approved	31/03/2022
19.	Wankaner	5.80	Tender recently approved	31/03/2022
20.	Chhaya	13.10	Tender under approval	31/03/2022
21.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
22.	Veraval- Patan	33.90	Tender to be invited	31/03/2022
23.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
24.	Babra	4.00	Under Tender evaluation	31/12/2022
25.	Kodinar	5.60	Under Tender evaluation	31/12/2022
26.	Sutrapada	4.00	Tender tobe invited	31/12/2022

27.	Talala	3.80	Under Tender evaluation	31/12/2022
28.	Chorvad	3.70	Tender recently approved	31/12/2022
29.	Halol	11.60	Tender to be invited	31/12/2022
30.	Thasra	2.30	Tender to be invited	31/12/2022
31.	Mandvi-2 (Salaya)	3.20	Tender to be invited	31/12/2022
32.	Mandvi-1 (JT Grounds)	5.30	Tender to be invited	31/12/2022
33.	Jamraval	2.60	Tender to be invited	31/12/2022
34.	Dhrol	3.60	Under tender evaluation.	31/12/2022
35.	Kalavad	4.50	Tender under approval	31/12/2022
36.	Maliya	2.50	Tender to be invited	31/12/2022
37.	Kutiyana	2.90	Tender under approval	31/12/2022
38.	Ranavav-1 (Adityana)	3.00	Tender under approval	31/12/2022
39.	Ranavav-2	4.50	Tender under approval	31/12/2022
40.	Dhoraji	12.90	Tender recently approved	31/12/2022
41.	Bhayavadar	3.10	Tender to be invited	31/12/2022
42.	Manavadar	4.90	Tender recently approved	31/12/2022
43.	Pethapur	3.80	DPR stage	30/06/2022
44.	Sikka	2.90	Tender recently approved	31/12/2022
45.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
46.	Mahesana-1	23.18	Under Tender evaluation	31/03/2022
47.	Mahesana-2	18.46	Under Tender evaluation	31/03/2022
48.	Jafrabad	5.4	Tender online	31/12/2022
49.	Gariyadhar	7.1	Under Tender evaluation	31/12/2022
50.	Shihor	8.9	Under Tender evaluation	31/12/2022
51.	Mangrol	9.6	DPR/DTP stage	31/12/2022
52.	Vanthli	2.2	DPR/DTP stage	31/12/2022
53.	Modasa	12.0	Under Tender evaluation	31/12/2022
54.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
55.	Songadh	4.5	Tender recently approved	31/12/2022
56.	Limdi	7.4	DPR/DTP stage	31/12/2022
57.	Bhachau	1.0	Tender under approval	31/12/2022
58.	Rapar	5.2	Under tender evaluation.	31/12/2022
59.	Upleta	8.9	DPR/DTP stage	31/12/2022
60.	Kadodara	-	DPR/DTP stage	31/12/2022

Total	856.57		

Newly proposed STPs.

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
61.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
62.	Gandhinagar Bhat	30	DPR Stage	31/12/2022
63.	Rajkot Raiyadhar	8.0	Tender online	31/12/2022
Total		98		

Total of Proposed STPs= 856.57+98=954.57 MLD

Annexure-II

XIII. Progress/Status Report of the River/PRS water quality Monitoring (May-2021)

Note: Does not fall in any Priority as per the MPRs of June-2020 to April - 2021.

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
03-05-2021	Baleshwar Khadi	5.9	7.77	2.4	13	920	>1600

Annexure-II (a) STP results

No existing STPs into this River stretch

Annexure-II (b) Drain details

Sr.No.	Name of Drain/Location	Discharged	
		Max	Min
1	Bagumara-Gangadhara	0.3 MLD	0.1 MLD
2	Baleshwar-Samrod	114 MLD	50 MLD

Annexure-II (c) Details of existing CETPs result

*** All the industries are CETP members having primary ETP facility.**

Date	Name of CETP	pH	BOD (mg/l)	COD (mg/l)	O&G (mg/l)	SS (mg/l)	NH3N (mg/l)	Phenolic Compounds (mg/l)
05-05-2021	CETP Of Gujarat Eco Textile Park Ltd	7.29	16	187	1.6	62	13.94	0.303
Standard		6.5 to 8.5	30	250	-	<60	50	1
05-05-2021	CETP Of New PalsanaIndustrial Co-Op. Society Ltd.	7.61	18	166	2.2	54	5.02	0.081
Standard		6.5 to 8.5	30	250	-	<60	50	1

Annexure-II (d) Progress/Status Report of the River/PRS ground water quality Monitoring:

Location:-BorewellAt Lucky Filling Station Palasana

Date	**ALK**	**BOD**	**BOR**	**CHL**	**CND**	**COD**	**COL**	**DOX**	**FCO**	**MAG**	**NH3**	**NIT**	**NTR**	**pH**	**PHO**	**POT**	**SOD**	**SS**	**SUP**	**T.H**	**TCO**	**TDS**	**TKN**	**TMP**
01/04/2021	420	0.8	0.09	92	1405	11	--	--	<2	43.8	0.84	--	0.8	8.5	0.13	0.85	25.7	12	27	270	<2	856	2.8	30

Location:-Borewell At Primary Health Center(PHC)

Date	**ALK**	**BOD**	**BOR**	**CHL**	**CND**	**COD**	**COL**	**DOX**	**FCO**	**FLU**	**MAG**	**NH3**	**NIT**	**NTR**	**pH**	**PHO**	**POT**	**SOD**	**SS**	**SUP**	**T.H**	**TCO**	**TDS**	**TKN**
01/04/2021	400	0.8	0.08	238	2096	10	--	--	<2	0.22	63.2	0.56	--	0.4	8.0	0.17	1.27	38.4	20	31	390	<2	1278	1.12

Annexure-III

Details w.r.t point no. XV, XVI, XVII &XVIII given by Irrigation Dept./WRD as on date

Sr. No	River name	Details/Status
1	Baleshwar Khadi	1. Environmental flow: • NA, Baleshwar Khadi is not a perennial river. 2. Detail of Good irrigation Practices: • There is no Irrigation project existing on Baleshwar Khadi. So the question of Irrigation Practice does not arise. 3. Detail on Flood Plain Management Zone: • No such heavy flood is noticed in this drain, so question does not arise.

Annexure-IV

Details w.r.t point no.XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date

The details received from Social Forestry wing, Aranya Bhavan, Gandhinagar are as under				
Stretch/river	**Existing plantation/vegetation cover details**	**Proposed plan**	**Time limit**	**Remarks**
Baleshwar Khadi (Pandesara to kapletha)	1430 trees	0.02 lacs Plantation to be done in 2020-2021	2020-2021	As per AAP (Annexure A) for both side plantation on PRS during 2020-21

Annexure – A

List of Polluted River Stretches of Gujarat (River Both side Plantation AAP in 2020-21)		
Sr. No.	River	Plants (In lakhs)
1.	Sabarmati	1.54
2.	Bhadar	0.20
3.	Amlakhadi	0.10
4.	Bhogavo	0.60
5.	Khari	0.02
6.	Vishwamitri	0.15
7.	Dhadhar	1.10
8.	Triveni	0.10
9.	Amravati	0.10
10.	Damanganga	0.25
11.	Kolak	0.25
12.	Mahi	0.20
13.	Shedhi	0.15
14.	Tapi	0.35
15.	Anas	0.05
16.	Baleshwar Khadi	0.02
17.	Kim	0.02
18.	Meshwo	0.40
19.	Mindhola	0.05
20.	Narmada	0.45
Total		6.10

Plantation of **6.91** lakh trees have been carried out on both the sides of polluted river stretches against the action plan for planting 6.10 lakh trees

Annexure-V

Details received from concerned department regarding reuse of treated wastewater

Treated waste water utilization policy:

- Gujarat Government has framed Policy for Reuse of "Treated Waste Water (TWW)" by maximising the collection and treatment of sewage generated and reusing the treated wastewater on a sustainable basis. In this regards, revised action plan has been submitted by Gujarat Water Supply and Sewerage Board (GWSSB) to Chairman, CPCB where one of the objectives of the revised action plan is to reuse 70% of treated wastewater by 2025 and 100% of treated wastewater by 2030.
- As per the details received from Gujarat Water Supply & Sewerage Board, Latest status of Treated waste water reuse in the State is as under:

	Status		
	TWW reuse started (MLD)	TWW reuse projects in tender/execution stage (MLD)	TWW reuse under planning (MLD)
Municipal Corporations	623.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**646.68**	**250**	**790.4**

Annexure-VI

Non-Complying / Partially non-complying CETPs
April- 2021

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	508
		BOD	30	42
2.	M/s. Odhav Enviro Project Ltd., Odhav, Ahmedabad	COD	250	407
		BOD	30	39
3.	M/s. Gujarat Vepari Maha Mandal Sahkari Udhyogik Vasahat Ltd, Ahmedabad	NH3-N	50	80.5
4.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	BOD	30	31
		NH3-N	50	130.2
5.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	420
		BOD	30	35
		SS	100	118
6.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	COD	250	1697
		BOD	30	321
		SS	100	326
7.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	891
		SS	100	156
		NH3-N	50	63.14
8.	M/s. Vinayak Jal SudhikaranSahakariMandali Ltd, Bavla, Ahmedabad	SS	100	164
9.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	138
10.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar.	COD	500	942
		NH_3-N	50	137.2
11.	M/s. Panoli Enviro Technology Ltd., GIDC-Panoli, Bharuch	SS	150	280
12.	M/s. Gujarat Eco Textile Park Pvt. Ltd, Palsana, Surat	SS	<60	98
13.	Vapi Green Enviro Ltd (VGEL, Vapi) (Old Name-Vapi Waste & Effluent Management Co. Ltd) (GPCB ID: 24764)	NH_3-N	50	80.5

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
14.	M/s. Sarigam Clean Initiative (Old Name-Gujarat Industrial Development Corporation), Sarigam.	SS	100	110
15.	M/s Jetpur Dying & Printing Association, Jetpur, Rajkot	COD	250	664
		BOD	100	212
16.	M/s. Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	151
		BOD	30	49
17.	M/s. Jay Khodiyar Enviro-Technologies Pvt. Ltd., Rajkot	PH	6.5 to 8.5	8.72
18.	M/s CETP of Dahej Industrial Estate	COD	250	544
		NH3-N	50	112

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Gujarat
Monthly Progress Report of PRS Kim for May – 2021.

Overall status of the State:

I. Total Population: Urban Population – 2,57,45,083, Rural Population – 3,46,94,609 (Census - 2011)

II. Estimated Sewage Generation (MLD): 4003 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): 73 nos, 3485 MLD
  [7 under construction STPs are now complete and are now under trial run i.e additional 183.56 MLD]
- Capacity Utilization of existing STPs: 2739 MLD
  [additional utilization capacity as on May 2021 – 192.95 MLD from existing + newly commissioned STPs]
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
  [334.44 MLD - Gap considering 3668.56 MLD treatment capacity i.e 3485 MLD + 183.56 MLD]
- No. of Operational STPs: 73 [80 as on May 2021]
- No. of Complying STPs: 15
- No. of Non-complying STPs: 27 (including STPs not obtained CTE & CCA)
- ULBs having Oxidation ponds: 9
- Site of the STPs not visited: 17
- STPs not in operation during the site visit:3
- Details of STPs not available: 2
- STPs just commissioned / under trial run: 7
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 16, ➢ Non complying: 18 (Please refer Annexure VI) *(as per CM dash board data for **April-2021**, available on Board's website)

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Gujarat	44143	Not available	Out of 12815 water polluting industries 12700 industries having ETP. 12551 ETPs are complying with norms.	Existing CETPs : 34 Propose/Under construction/under expansion: 19

V. Solid Waste Management:

Particulars	Data
Total number of Urban Local Bodies and their population	162
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF	• There are total No. 755 of Plants for Vermi / Aerobic/ anaerobic Composting of installed processing capacity 7477 TPD. • There are 232 plants Material Recovery Facilities (MRF) with processing capacity of 5441.93 TPD installed capacity. • There are 5 plants of RDF with processing of 1390.25 TPD. • Biogas 29 plants with capacity of 1086 TPD.
Action plan to bridge gap between installed capacity and current utilization of processing facilities (if gap > 20%)	Gap is less than 20% hence not applicable.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	There are 2 Processing plants C & D Waste with processing capacity of 1300 TPD.
Total no. of wards: no. of wards having door to door collection service: no. of wards practicing segregation at source falling into PRS:	1418 1418 Information not available
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Information not available
No. and area (in acres) of uncontrolled garbage dumpsites and sanitary landfills.	Information not available
No. and area (in acres) of legacy waste within 1km. buffer on both side of the PRS	Information not available
No. of drains falling into PRS and no. of drains having floating racks/screens installed to prevent solid waste from falling into PRS	Not provided, however in-situ remediation at Ankleshwar and Kheda municipalities are under implementation. It will be commenced in all 7 municipalities related to PRS within one month after positive results of technology.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW Facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Details are being prepared.					

VI. Bio-medical Waste Management:

- Total Bio-medical generation(Related to entire State): 36.42 MT/day

  Total Bio-medical generation(Related to PRS): 27.54 MT/day
- No. of Hospitals and Health Care Facilities(Related to entire State): 31286

  No. of Hospitals and Health Care Facilities(Related to PRS): 28399

- Status of Treatment Facility/ CBMWTF(Related to entire State)
  : Existing – 20, Proposed – 1
  Capacity – 126 MT/day

  Status of Treatment Facility/ CBMWTF(Related to PRS): Existing – 16
  Capacity – 108 MT/day

VII. Hazardous Waste Management:

- Total Hazardous Waste generation: 2.5 to 2.7 MMT as per HW inventory which includes landfill, incineration, recycling and co-processing. (It depends upon the industrial operation of the year)
- No. of Industries generating Hazardous waste: About 19683 as per HW inventory 19-20
- Treatment Capacity of all TSDFs: Total installed capacity about 8626332 MT
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated: 1.3 MMT as per HW inventory 19-20
- Details of on-going or proposed TSDF: 7 nos. proposed TSDF having total installed capacity about 36 lac MT

VIII. Plastic Waste Management:

Details		Quantity/Capacity
• Plastic waste generated:		408201.08 TPA (April 2019-March 2020)
• Treatment/Measures adopted for reduction or management of Plastic waste:		
Disposal of Plastic Waste through	Co-processing	109157.435 MT (from April 2019 to August 2020)
	Recycler	Total no. recycling units: 597 Capacity of recycling plastic waste: 11,13,526.56 MT/Y
	Refuse Derived Fuel	MSW units : 2 Quantity of final product sold is 129,575 MT/Annum containing 7 % of plastic waste i.e. 9071 MT/Annum (April 2019-March 2020)
	Pyrolysis	Total no. of operational units: 2 Cap. to convert plastic waste into oil: 5075 TPA Plastic used as raw material: 600 MT/M

IX.	Details of Alternate Treatment Technology being adopted by the State/UT:

-Ahmedabad & Vadodara Municipal Corporations have set up dry sewage sludge hygienisation Cobalt – 60 gamma irradiation plant. (Ahmedabad Municipal Corporation - 100 tonnes per day)

- Legacy waste treatment at Pirana dumping site, Ahmedabad.

X.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment:
Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan. Proposal not received from PRH & RDD/ Concerned for in-situ remediation.	
XI.	Details of Nodal Officer appointed by Chief Secretary in the State/UT:
In compliance to the direction of Hon'ble NGT with reference to set up of Monitoring Mechanism, Deputy Environmental Engineer (Shri T.C.Patel) has been deputed vide letter dated 10.06.2020 at Chief Secretary office to look after the Hon'ble NGT matters.	
XII.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
All NGT matters are being reviewed regularly under chairmanship of Hon'ble CS.Total 2 review meetings are conducted so far under the chairmanship of Hon'ble CS to monitor the progress with reference to the action plans submitted w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 673/2018and to resolve various issues/non -compliances. Last meeting was convened on 10/09/2020 under the chairmanship of Hon'ble Chief Secretary Gujarat State. Two review meetings have been convened so far w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 606/2018 which also includes the review of matters related to O.A. No.:-673/2018.	
XIII.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;
Details are attached as **Annexure – II**	
XIV.	Ground water regulation:
GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" Final comments /suggestions were sought by GWRDC vide letter dated 02/11/2020 from concerned departments for finalization of the draft bill. Seven meetings of sub-committee have been convened so far for finalization of the draft bill. The final draft bill was approved by the sub-committee during the meeting held on 12/11/2020 as per the minutes of meeting. The final draft of the bill has been submitted to the Chairman of the Committee and Special Secretary, (WR), Narmada Water Resource, Water Supply & Kalpsar department, Govt. of Gujarat, for consideration in the main committee meeting.	
XV.	Good irrigation practices being adopted by the State:

XVI.	Rain Water Harvesting:
XVII.	Demarcation of Floodplain and removal of illegal encroachments:
XVIII.	Maintaining minimum e-flow of river:
Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date is attached as **Annexure – III.**	
XIX.	Plantation activities along the rivers:
Details w.r.t point no. XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV**	
XX.	Development of biodiversity park:
As per the information received from GBB, vide letter dated 24.04.2020, Forest Dept. has established a very rich Botanical Garden at Waghai, Dangs. It also has a chain of Research Stations, Germ Plasms Banks, Provenance Banks, Sample Plots, Preservation Plots spread all over the State. Many working plans have Conservation or Preservation Working Circles for the express purpose of Biodiversity Conservation. The National Working Pan Code 2014 also mandates a Biodiversity Conservation Working Circle. All plans coming up for revision now shall have a Biodiversity Conservation Working Circle. Besides a host of Biodiversity based activities like Cactus Park, Ekta Van, Ekta Nursery, and Nutritional Park etc., have come up at Statue of Unity. Moreover, Shakkarbaug Zoo is an "A" Category zoological park along with many other zoological parks at Rajkot, Ahmedabad, Gandhinagar, Vadodara, Surat, Kevadiya etc. All these are repositories of biodiversity. Therefore, these may be treated as a Biodiversity park is totality. GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 Crore for the development of Biodiversity Park. Team suggested tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.	
XXI.	Reuse of Treated Water:
Details are attached as **Annexure – V**	
XXII.	Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:
River Sabarmati has been selected as model river stretch during the 9th RRC meeting held on 27.11.2020.	
XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:
Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is	

being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms.

STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.

XXIV.	Regulation of Mining Activities in the State/UT:

Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.

XXV.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring

- Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 .
- Number of closure directions to defaulting units under section 31 A of Air Act – 1981: 5703 respectively.
- Number of notice of directions to defaulting units under section 33 A of Water Act – 1974: 17263.
- Number of closure directions to defaulting units under section 33 A of Water Act – 1974: 11383.
- Number of notice of directions under rule 4(2) of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 4130
- Number of closure directions under section 5 of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 1583

(As per Annual report – 2018-19)

***Note: Incremental progress made by the State/UT in each activity to be provided.**

RRC meetings:

RRC meetings are regularly being held at GPCB, Gandhinagar to review the progress and the minutes of the meeting having progress status, is regularly submitted to CPCB. Last RRC (9th

RRC) meeting was conducted on 27/11/2020. Following are the gist of main points discussed during the meeting:

- Concerned departments / authorities/ organizations were asked to submit proposals with elongated /revised timeline for completion of the projects with the justification
- Concerned departments / authorities/ organizations were asked to furnish details of incremental progress of the projects & activities proposed under the Action Plans of Polluted River Stretches
- All the concerned Municipal Corporations & Nagapalikas were asked to submit the list of STPs not complying with the norms and proposals for up-gradation of the STPs not complying with the norms along with the timeline for completion of the same.
- GWSSB was asked to submit STP wise progress of land issues on monthly basis to RRC and GPCB.
- River Sabarmati has been selected as model river stretch.

STPs: A meeting was held on 13/01/2021 under the chairmanship of ACS PRH&RDD for management of sewage being discharged from villages in to the 6 PRS. During the meeting, looking to the magnitude & importance of the work, it was decided to seek the extension of time limit for further 3 years.

CETPs: There is no industrial wastewater discharge into this river stretch.

Annexure-I (A)

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
1	Ahmedabad Pirana 2009	60	60	Operational	Non Compliance	
2	Ahmedabad Old Pirana 2004	106	106	Operational	Non Compliance	SCN-587981
3	Ahmedabad Pirana 2009	180	180	Operational	Non Compliance	
4	Ahmedabad Vasna 2004	126	126	Operational	Non Compliance	
5	Ahmedabad Vasna 2009	35	35	Operational	Compliance	
6	Ahmedabad Vasna 2011	240	235	Operational	Compliance	
7	Ahmedabad Vinzol 2011	70	70	Operational	Compliance	
8	Ahmedabad Vasna 2018	48	48	Operational	Compliance	
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Compliance	
10	Ahmedabad Vinzol 2020	35	30	Operational	Compliance	
11	Ahmedabad Arvind Mill	8	8	Operational	Compliance	
12	Ahmedabad Rasala	1	1	Operational	Not in operation during site visit	
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Site not visited	Only obtained ID, Not applied for CTE/CCA
14	Ahmedabad V S Hospital	1	1	Operational	Compliance	
15	Ahmedabad Nikol	0.5	0.5	Operational	Details not available	
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Compliance	
17	Ahmedabad Lambha	5	2	Operational	Details not available	
18	Surat Singanpore 2003/2014	155	147.58	Operational	Compliance	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
19	Surat Karanj 1999/2015	140	136.59	Operational	Site not visited	
20	Surat Bhatar 1999/2014/2017	162	162	Operational	Site not visited	
21	Surat Anjana 1995/2007/2019	122	121	Operational	Site not visited	
22	Surat Bamroli 2008/2019	100	100	Operational	Non Compliance	SCN-591844
23	Surat Bhesan 1995/2009/2020	200 (100 existing + 100 proposed expansion)	120.52	Operational	Site not visited	
24	Surat Khajod 2011	25	24.20	Operational	Site not visited	
25	Surat Asarama 2011	15	15	Operational	Non Compliance	SCN-591208
26	Surat Dindoli 2012/2019	167	72.50	Operational	Site not visited	
27	Surat Variav-Kosad 2012/2017	134	131	Operational	Compliance	
28	Surat Gavier 2016	53	16	Operational	Non Compliance	SCN-589968
29	Vadodara Tarsali	52	58	Operational	Non Compliance	SCN-591157
30	Vadodara Gajarawadi	66	72	Operational	Non Compliance	SCN-591155
31	Vadodara Kapurai	43	50	Operational	Non Compliance	SCN-591156
32	Vadodara Rajivnagar	78	55	Operational	Compliance	
33	Vadodara Sayaji garden	8.5	7	Operational	Non Compliance	
34	Vadodara Channi	21	21	Operational	Non Compliance	SCN-590935
35	Vadodara Atladara (old)	43	51	Operational	Non Compliance	SCN-28/05/2021
36	Vadodara Atladara (new)	43	43	Operational	Non Compliance	SCN-28/05/2021

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
37	Gandhinagar Jaspur 2007	76	45	Operational	Non Compliance	SCN-589724
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Non Compliance	
39	Gandhinagar Basan 2011-12	2	1.0	Operational	Non Compliance	SCN-590220
40	Rajkot Nr Raiya village 2010	51	45	Operational	Site not visited	
41	Rajkot Raiyadhar 2017	56	35	Operational	Compliance	
42	Rajkot Nr Madhapar 2018	44.5	16	Operational	Non Compliance	
43	Rajkot Nr Kothariya Village 2017	15	9	Operational	Non Compliance	
44	Rajkot Gavaridad 2018	70	35	Operational	Non Compliance	
45	Rajkot Madhapar 2019	80	30	Operational	Non Compliance	SCN-5858200
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Site not visited	
47	Bhavnagar Behind Excel industries	45	40	Operational	Site not visited	
48	Jamnagar Navagam Ghed	70	70	Operational	Site not visited	
49	Gandhidham - Anjar	30.00	22	Operational	Site not visited	
50	Patan	25.00	13	Operational	Site not visited	
51	Nadiad	51.26	20	Operational	Not in operation	
52	Siddhpur	5.62	5	Operational	Oxidation pond	
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond	
54	Sanand	20.50	0	Non - Operational	Site not visited	
55	Himmatnagar	17.51	6	Operational	Site not visited	
56	Petlad	10.37	8	Operational	Non Compliance	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
57	Dholka	13.60	8	Operational	Non Compliance	
58	Savarkundla	13.90	5	Operational	Oxidation pond	
59	Gadhda	6.50	2	Operational	Oxidation pond	
60	Kathlal	3.80	2.59	Operational	Oxidation pond	
61	Mahudha	2.10	1.76	Operational	Oxidation pond	
62	Bayad	4.00	2.06	Operational	Oxidation pond	
63	Patadi	2.80	1.33	Operational	Oxidation pond	
64	Sojitra	2.30	2	Operational	Oxidation pond	
65	Dwarka	7.50	2.28	Operational	Site not visited	Not obtained CTE/CCA
66	Godhra	27.60	4	Operational	Site not visited	
67	Bhuj	23.70	19	Operational	Non Compliance	Not obtained CTE/CCA
68	Bhachau	10	4	Operational	Non compliance	Not obtained CTE & CCA
69	Anand (Lambhvel)	33	9	Operational	Compliance	Not obtained CTE/CCA
70	Anand (TP-8)	13.5	2.5	Operational	Non Compliance	SCN-589391
71	Surendranagar	32.3	17	Operational	Compliance	
72	Valsad-1	20.2	2	Operational	Not in operation during site visit	
73	Morbi	28.8	6	Operational	Non Compliance	
Total		3598.86	2915.91			

New STPs under trail run.

74	Jasdan	8.80	4.0	Under trial run	
75	Tharad	4.80	2.5	Under trial run	
76	Dehgam	7.60	4.0	Under trial run	
77	Dhangadhra	11.60	1.04	Under trial run	
78	Porbandar	19.10	3.0	Under trial run	
79	Bardoli	11.30	0.0	Under trial run	
80	Vyara	6.50	1.50	Under trail run	
Total		69.7	16.04		

CTE: Consent to Establish, CC&A: Consolidated Consents and Authorization.

Annexure-I (B)

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1.	Ahmedabad Vinzol	100	95%	Completed	31/08/2021
2.	Ahmedabad Pirana	155	93%	Completed	31/08/2021
3.	Ahmedabad Maleksaban	30	30%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	02%	Completed	31/12//2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	SuratSinganpore	100	98%	Completed	31/07/2021
7.	SuratBhatar	115	74%	Completed	31/07/2021
8.	SuratBamroli	115	77%	Completed	28/02/2022
9.	SuratAsarma	22.5	54%	Completed	05/04/2022
10.	SuratKhajod	30	36%	Completed	30/11/2021
11.	Vadodara Kapurai	60	78%	85%	31/12/2021
12.	Vadodara Chhani	50	40%	Completed	31/12/2021
13.	Vadodara Bhayli	45	45%	Completed	28/02/2022
14.	Vadodara Sayaji garden	7.5	65%	Completed	28/02/2022
15.	Rajkot Kothariya, on NH bypass	15	25%	Completed	07/09/2021
16.	Bhavnagar Axcel Industries	50	42%	Completed	31/05/2022
17.	JunagadhBilkha Road, Near CBSE School	8.2	70%	Completed	03/09/2021
18.	Rajula	5.70	13%	Completed	31/10/2021
19.	Bagasara	5.90	14%	Completed	31/10/2021
20.	Chalala	2.80	90%	Completed	31/08/2021
21.	Mahuva	16.30	90%	Completed	31/08/2021
22.	Talaja	5.80	80%	Completed	31/08/2021
23.	Una	11.70	96%	Completed	31/08/2021
24.	Bantva	2.60	98%	Completed	31/08/2021
25.	Mansa	5.00	45%	Completed	31/08/2021
26.	Dhanera	4.00	48.00%	Completed	15/11/2021
27.	Bhabhar	3.50	45%	Completed	25/09/2021
28.	Thara	3.60	45%	Completed	15/11/2021
29.	Kadi	12.80	55%	Completed	05/09/2021
30.	Unjha	11.60	81%	Completed	31/08/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
31.	Visnagar-1	12.00	97.00%	Completed	31/07/2021
32.	Visnagar-2	5.30	75%	Completed	31/08/2021
33.	Kheralu	2.90	90%	Completed	10/11/2021
34.	Vijapur	4.10	50%	Completed	10/11/2021
35.	Radhanpur	6.00	15%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	13/06/2022
36.	Idar	7.40	91.00%	Completed	31/08/2021
37.	Khedbrahma	5.80	91.00%	Completed	31/08/2021
38.	Prantij	3.70	91%	Completed	31/08/2021
39.	Talod	3.60	17%	Completed	30/10/2021
40.	Vadali	3.80	5%	Completed	30/10/2021
41.	Jambusar	5.90	62%	Completed	16/10/2021
42.	Amod	3.10	62%	Completed	16/10/2021
43.	Bilimora	8.30	15%	Completed	04/03/2022
44.	Gandevi	2.60	20%	Completed	31/03/2022
45.	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
46.	Dharampur	4.10	62%	Completed	31/08/2021
47.	Borsad	9.80	95%	Completed	31/08/2021
48.	Umreth	6.10	61%	Completed	25/08/2021
49.	Dahod	13.70	98.00%	Completed	31/07/2021
50.	Zalod	4.60	95%	Completed	31/07/2021
51.	Devgadhbariya	3.80	79%	Completed	31/07/2021
52.	Santrampur	2.91	41%	Completed	21/09/2021
53.	Kalol (P)	4.77	55%	Completed	09/09/2021
54.	Shehra	2.80	26%	Completed	30/09/2021
55.	Chhotaudepur	5.00	96%	Completed	31/07/2021
56.	Padra	5.60	82%	Completed	20/08/2021
57.	Viramgam	4.50	85%	Completed	31/08/2021
58.	Bavla	5.80	35%	Completed	12/12/2021
59.	Dhandhuka	7.50	95%	Completed	31/07/2021
60.	Bareja	3.10	85%	Completed	31/07/2021
61.	Chaklasi	4.90	0.00%	Completed	31/03/2022
62.	Kapadwanj	6.20	32%	Completed	10/12/2021
63.	Mehmdabad	5.60	60%	Completed	17/11/2021
64.	Dakor	4.90	32%	Completed	10/12/2021
65.	Kheda	5.20	43%	Completed	17/11/2021
66.	Chotila-1	2.30	22%	Completed	30/09/2021
67.	Chotila-2	1.70	15.00%	Completed	30/09/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
68.	Wadhwan	12.10	0.00%	Completed	31/03/2022
69.	Barwala	2.90	14%	Completed	17/09/2021
70.	Harij	3.00	60%	Completed	31/12/2021
71.	Chanasma	2.50	0.00%	Completed	31/12/2021
72.	Ode	2.50	35%	Completed	09/09/2021
73.	Karjan	5.20	30%	Completed	09/12/2021
74.	Vadnagar	5.94	95.00%	Completed	30/09/2021
75.	Botad	32.00	86.00%	Completed	31/07/2021
76.	Morbi-2	9.30	95%	Completed	31/07/2021
77.	Jetpur	23.50	95%	Completed	31/07/2021
78.	Gondal	16.50	55%	Completed	30/09/2021
79.	Amreli	18.20	77.00%	Completed	31/07/2021
80.	Kalol	23.50	16.00%	Completed	30/06/2022
81.	Palanpur	21.30	3.00%	95%	30/06/2022
82.	Deesa	17.00	70.00%	Completed	30/09/2021
83.	Bharuch	29.32	82.00%	90%	30/09/2021
84.	Vapi-1	14.00	55.00%	Completed	30/09/2021
85.	Anand-3	6.50	95%	Completed	31/08/2021
86.	Porbandar-1	12.80	82.00%	Completed	31/08/2021
87.	Damnagar	2.80	0.00%	Completed	11/02/2022
88.	Lathi	3.80	0.00%	Completed	11/02/2022
89.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1536.64			

New STPs for which work order given.

90.	Bhavnagar Akwada	19.2	7%	Completed	31/12/2022
91.	Anklav	3.60	20%	Completed	04/03/2022
92.	Khambhat-1	6.80	2%	Completed	04/06/2022
93.	Khambhat-2	4.50	2%	Completed	04/06/2022
94.	Thangadh	9.00	0.00%	Completed	07/06/2022
95.	Balasinor	6.50	2%	Completed	22/04/2022
96.	Savli	2.5	5%	Completed	18/04/2022
97.	Dabhoi	8.96	1%	Completed	18/04/2022
98.	Kanjari	3.3	16%	Completed	18/04/2022
99.	Halvad	6.7	0.00%	Completed	17/07/2022
100.	Rajpipla	5.02	5%	Completed	17/07/2022
101.	Pardi	4.60	0.0%	Completed	14/06/2022
102.	Mandvi Surat	3.50	0.0%	Completed	15/06/2022
103.	Ankleshwar	14.0	0.0%	Completed	15/09/2022
104.	Umargam	6.48	0.0%	Completed	14/09/2022
105.	Karamsad	7.0	0.0%	Completed	14/09/2022
106.	Boriavi	3.30	2%	Completed	14/09/2022
107.	Lunavada	5.60	0.0%	Completed	16/09/2022

108.	Palitana	10.81	0.0%	Completed	31/03/2022
Total		131.37			

Total STPs under construction: 1536.64+131.37=1668.01 MLD

Annexure-I (C)

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1.	Ahmedabad Dafnala	25	LOI Given	31/12/2022
2.	Vadodara Tarsali	100	Revised DPR under scrutiny	31/12/2022
3.	Vadodara Atladara	83	Tender to be re- invited	31/12/2022
4.	Vadodara Gajarawadi	93	Revised DPR under scrutiny	31/12/2022
5.	GandhinagarSargasan	50	LOI Given	31/12/2022
6.	Jamnagar Nr Rangmati River	50	DPR Stage	31/12/2022
7.	Junagadh Kalva	15.50	Work order given	31/12/2022
8.	Junagadh Zanzarda	11.00	Work order given	31/12/2022
9.	Junagadh near Lol river	29.50	Work order given	31/12/2022
10.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
11.	Bhanvad	3.00	Tender under approval	31/03/2022
12.	Visavadar	3.40	Tender recently approved	31/03/2022
13.	Lunawada	5.60	Tender under approval	31/03/2022
14.	Okha	10.10	Tender under approval	31/03/2022
15.	Beyt (near Okha)	1.20	Tender under approval	31/03/2022
16.	Khambhalia	5.50	Tender under approval	31/03/2022
17.	Salaya, Jamnagar	6.20	Tender under approval	31/03/2022
18.	Jamjodhpur	3.60	Tender recently approved	31/03/2022
19.	Wankaner	5.80	Tender recently approved	31/03/2022
20.	Chhaya	13.10	Tender under approval	31/03/2022
21.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
22.	Veraval- Patan	33.90	Tender to be invited	31/03/2022
23.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
24.	Babra	4.00	Under Tender evaluation	31/12/2022

25.	Kodinar	5.60	Under Tender evaluation	31/12/2022
26.	Sutrapada	4.00	Tender tobe invited	31/12/2022
27.	Talala	3.80	Under Tender evaluation	31/12/2022
28.	Chorvad	3.70	Tender recently approved	31/12/2022
29.	Halol	11.60	Tender to be invited	31/12/2022
30.	Thasra	2.30	Tender to be invited	31/12/2022
31.	Mandvi-2 (Salaya)	3.20	Tender to be invited	31/12/2022
32.	Mandvi-1 (JT Grounds)	5.30	Tender to be invited	31/12/2022
33.	Jamraval	2.60	Tender to be invited	31/12/2022
34.	Dhrol	3.60	Under tender evaluation.	31/12/2022
35.	Kalavad	4.50	Tender under approval	31/12/2022
36.	Maliya	2.50	Tender to be invited	31/12/2022
37.	Kutiyana	2.90	Tender under approval	31/12/2022
38.	Ranavav-1 (Adityana)	3.00	Tender under approval	31/12/2022
39.	Ranavav-2	4.50	Tender under approval	31/12/2022
40.	Dhoraji	12.90	Tender recently approved	31/12/2022
41.	Bhayavadar	3.10	Tender to be invited	31/12/2022
42.	Manavadar	4.90	Tender recently approved	31/12/2022
43.	Pethapur	3.80	DPR stage	30/06/2022
44.	Sikka	2.90	Tender recently approved	31/12/2022
45.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
46.	Mahesana-1	23.18	Under Tender evaluation	31/03/2022
47.	Mahesana-2	18.46	Under Tender evaluation	31/03/2022
48.	Jafrabad	5.4	Tender online	31/12/2022
49.	Gariyadhar	7.1	Under Tender evaluation	31/12/2022
50.	Shihor	8.9	Under Tender evaluation	31/12/2022
51.	Mangrol	9.6	DPR/DTP stage	31/12/2022
52.	Vanthli	2.2	DPR/DTP stage	31/12/2022
53.	Modasa	12.0	Under Tender evaluation	31/12/2022
54.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
55.	Songadh	4.5	Tender recently approved	31/12/2022
56.	Limdi	7.4	DPR/DTP stage	31/12/2022
57.	Bhachau	1.0	Tender under approval	31/12/2022
58.	Rapar	5.2	Under tender	31/12/2022

			evaluation.	
59.	Upleta	8.9	DPR/DTP stage	31/12/2022
60.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		856.57		

Newly proposed STPs.

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
61.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
62.	Gandhinagar Bhat	30	DPR Stage	31/12/2022
63.	Rajkot Raiyadhar	8.0	Tender online	31/12/2022
Total		98		

Total of Proposed STPs= 856.57+98=954.57 MLD

Annexure-II

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river

Annexure-II (A)

Progress/Status Report of the River/PRS water quality monitoring for the Month May-2021:

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
04-05-2021	Sahol Bridge	6	7.69	2.5	16	17	63

Does not fall in any priority as per MPRs for the months of January – 2020 to May– 2021.

Annexure-II (B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River for May - 21:

Location:- BOREWELL AT GARG TEX-O FEB PVT.LTD OLPAD

Date	%NA	ALK	BOD	CAL	COD	CND	DOX	FLU	MAG	NH3	NIT	NTR	pH	PHO	POT	SOD	SS	SUP	T.H	TCO	TDS	TKN	TMP	TUR
01/04/2021	31.79	190	0.8	164.33	17	14110	3.8	0.219	192.13	1.12	0.028	0.57	7.82	0.104	8.6	258	12	104	1200	42	8606	2.24	28	4

Location:- BOREWELL AT PIRAMAL GLASS

Date	ALK	BOD	BOR	CHL	CND	COD	COL	DOX	FCO	FLU	MAG	NH3	NIT	NTR	pH	PHO	POT	SOD	SS	SUP	T.H	TCO	TDS	TKN	TMP	TUR
01/04/2021	320	0.6	0.09	737	3867	10	<5	4	<2	0.28	94.9	0.6	0.03	0.68	7.89	0.14	2.4	70.8	4	29	590	<2	2358	2.24	29	2

Location:- BOREWELL AT NEELAM FIBER KIM IND AREA PLOT-202

Date	ALK	BOD	BOR	CHL	CND	COD	CAL	DOX	FCO	FLU	MAG	NH3	NIT	NTR	pH	PHO	POT	SOD	SS	SUP	T.H	TCO	TDS	TKN	TMP	TUR
01/04/2021	390	0.8	0.09	605	3077	11	76.15	3.8	<2	0.34	94.9	0.3	0.04	0.6	8.4	0.13	1.9	56.3	8	25	580	<2	1876	1.68	31	1.8

Annexure-II (C)

Drains Details with Flow:

Sr.No.	Location/ Name of Drain	Name of Inletting River/Drain	Discharge	
			Max	Min
1	Kim to Sahol	Village Kim drain	10 MLD	2 MLD

Annexure-II (D) STP Results:

No Sewage treatment in this River stretch – Existing STP details – NA

Annexure-II(E) CETP Details

No Industrial waste water discharge into this River stretch – Existing CETPs details - NA

Annexure-III

Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date

Sr.No	River name	Details/Status
1	Kim	1. Environmental flow: • NA 2. Detail of Good Irrigation Practices: • There is no Irrigation Project existing on Kim River. So question does not arise. 3. Detail on Flood Plain Management Zone: • As far as Kim river is concerned 13 villages of Bharuch District are identified which & may affected due to heavy floods in downstream. ln such condition people of these villages are warned through early warning arrangement in consultation with Revenue Dept.

Annexure-IV

Details w.r.t point no.XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/ River	Existing plantation / vegetation cover details	Proposed plan to cover remaining gap along river/river stretch	Time limit	Remarks
Kim (Sahol Bridge to Hansol)	370 trees	0.02 lacs Plantation to be done in 2020-2021	2020-2021	As per AAP (Annexure A) for both side plantation on PRS during 2020-21.

Annexure – A

List of Polluted River Stretches of Gujarat (River Both side Plantation AAP in 2020-21)		
Sr. No.	River	Plants (In lakhs)
1.	Sabarmati	1.54
2.	Bhadar	0.20
3.	Amlakhadi	0.10
4.	Bhogavo	0.60
5.	Khari	0.02
6.	Vishwamitri	0.15
7.	Dhadhar	1.10
8.	Triveni	0.10
9.	Amravati	0.10
10.	Damanganga	0.25
11.	Kolak	0.25
12.	Mahi	0.20
13.	Shedhi	0.15
14.	Tapi	0.35
15.	Anas	0.05
16.	Baleshwar Khadi	0.02
17.	Kim	0.02
18.	Meshwo	0.40
19.	Mindhola	0.05
20.	Narmada	0.45
Total		6.10

Plantation of **6.91** lakh trees have been carried out on both the sides of polluted river stretches against the action plan for planting 6.10 lakh trees

Annexure-V

Details received from concerned department regarding reuse of treated wastewater

Treated waste water utilization policy:

- Gujarat Government has framed Policy for Reuse of "Treated Waste Water (TWW)" by maximising the collection and treatment of sewage generated and reusing the treated wastewater on a sustainable basis. In this regards, revised action plan has been submitted by Gujarat Water Supply and Sewerage Board (GWSSB) to Chairman, CPCB where one of the objectives of the revised action plan is to reuse 70% of treated wastewater by 2025 and 100% of treated wastewater by 2030.
- As per the details received from Gujarat Water Supply & Sewerage Board, Latest status of Treated waste water reuse in the State is as under:

	Status		
	TWW reuse started (MLD)	TWW reuse projects in tender/execution stage (MLD)	TWW reuse under planning (MLD)
Municipal Corporations	623.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**646.68**	**250**	**790.4**

Annexure-VI

Non-Complying / Partially non-complying CETPs
April- 2021

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	508
		BOD	30	42
2.	M/s. Odhav Enviro Project Ltd., Odhav, Ahmedabad	COD	250	407
		BOD	30	39
3.	M/s. Gujarat Vepari Maha Mandal Sahkari Udhyogik Vasahat Ltd, Ahmedabad	NH3-N	50	80.5
4.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	BOD	30	31
		NH3-N	50	130.2
5.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	420
		BOD	30	35
		SS	100	118
6.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	COD	250	1697
		BOD	30	321
		SS	100	326
7.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	891
		SS	100	156
		NH3-N	50	63.14
8.	M/s. Vinayak Jal SudhikaranSahakariMandali Ltd, Bavla, Ahmedabad	SS	100	164
9.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	138
10.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar.	COD	500	942
		NH_3-N	50	137.2
11.	M/s. Panoli Enviro Technology Ltd., GIDC-Panoli, Bharuch	SS	150	280
12.	M/s. Gujarat Eco Textile Park Pvt. Ltd, Palsana, Surat	SS	<60	98
13.	Vapi Green Enviro Ltd (VGEL, Vapi) (Old Name-Vapi Waste & Effluent Management Co. Ltd) (GPCB ID: 24764)	NH_3-N	50	80.5

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
14.	M/s. Sarigam Clean Initiative (Old Name-Gujarat Industrial Development Corporation), Sarigam.	SS	100	110
15.	M/s Jetpur Dying & Printing Association, Jetpur, Rajkot	COD	250	664
		BOD	100	212
16.	M/s. Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	151
		BOD	30	49
17.	M/s. Jay Khodiyar Enviro-Technologies Pvt. Ltd., Rajkot	PH	6.5 to 8.5	8.72
18.	M/s CETP of Dahej Industrial Estate	COD	250	544
		NH3-N	50	112

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Gujarat
Monthly Progress Report of PRS Meshwo for May-2021.

Overall status of the State:

I. Total Population: Urban Population – 2,57,45,083, Rural Population – 3,46,94,609 (Census - 2011)

II. Estimated Sewage Generation (MLD): 4003 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): 73 nos, 3485 MLD
  [7 under construction STPs are now complete and are now under trial run i.e additional 183.56 MLD]
- Capacity Utilization of existing STPs: 2739 MLD
  [additional utilization capacity as on May 2021 – 192.95 MLD from existing + newly commissioned STPs]
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
  [334.44 MLD - Gap considering 3668.56 MLD treatment capacity i.e 3485 MLD + 183.56 MLD]
- No. of Operational STPs: 73 [80 as on May 2021]
- No. of Complying STPs: 15
- No. of Non-complying STPs: 27 (including STPs not obtained CTE & CCA)
- ULBs having Oxidation ponds: 9
- Site of the STPs not visited: 17
- STPs not in operation during the site visit:3
- Details of STPs not available: 2
- STPs just commissioned / under trial run: 7
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 16, ➢ Non complying: 18 (Please refer Annexure VI) *(as per CM dash board data for **April- 2021**, available on Board's website)

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Gujarat	44143	Not available	Out of 12815 water polluting industries 12700 industries having ETP. 12551 ETPs are complying with norms.	Existing CETPs : 34 Propose/Under construction/under expansion: 19

V.

VI. Solid Waste Management:

Particulars	Data
Total number of Urban Local Bodies and their population	162
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF	• There are total No. 755 of Plants for Vermi / Aerobic/ anaerobic Composting of installed processing capacity 7477 TPD. • There are 232 plants Material Recovery Facilities (MRF) with processing capacity of 5441.93 TPD installed capacity. • There are 5 plants of RDF with processing of 1390.25 TPD. • Biogas 29 plants with capacity of 1086 TPD.
Action plan to bridge gap between installed capacity and current utilization of processing facilities (if gap > 20%)	Gap is less than 20% hence not applicable.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	There are 2 Processing plants C & D Waste with processing capacity of 1300 TPD.
Total no. of wards: no. of wards having door to door collection service: no. of wards practicing segregation at source falling into PRS:	1418 1418 Information not available
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Information not available
No. and area (in acres) of uncontrolled garbage dumpsites and sanitary landfills.	Information not available
No. and area (in acres) of legacy waste within 1km. buffer on both side of the PRS	Information not available
No. of drains falling into PRS and no. of drains having floating racks/screens installed to prevent solid waste from falling into PRS	Not provided, however in-situ remediation at Ankleshwar and Kheda municipalities are under implementation. It will be commenced in all 7 municipalities related to PRS within one month after positive results of technology.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Details are being prepared.					

VII. Bio-medical Waste Management:

- Total Bio-medical generation(Related to entire State): 36.42 MT/day

  Total Bio-medical generation(Related to PRS): 27.54 MT/day
- No. of Hospitals and Health Care Facilities(Related to entire State): 31286

  No. of Hospitals and Health Care Facilities(Related to PRS): 28399

- Status of Treatment Facility/ CBMWTF(Related to entire State)
  : Existing – 20, Proposed – 1
  Capacity – 126 MT/day

  Status of Treatment Facility/ CBMWTF(Related to PRS): Existing – 16
  Capacity – 108 MT/day

VIII. Hazardous Waste Management:

- Total Hazardous Waste generation: 2.5 to 2.7 MMT as per HW inventory which includes landfill, incineration, recycling and co-processing. (It depends upon the industrial operation of the year)
- No. of Industries generating Hazardous waste: About 19683 as per HW inventory 19-20
- Treatment Capacity of all TSDFs: Total installed capacity about 8626332 MT
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated: 1.3 MMT as per HW inventory 19-20
- Details of on-going or proposed TSDF: 7 nos. proposed TSDF having total installed capacity about 36 lac MT

IX. Plastic Waste Management:

- Total Plastic Waste generation: 408201.08 TPA (April 2019-March 2020)
- Treatment/ Measures adopted for reduction or management of plastic waste:

Disposal of Plastic Waste through	Co-processing	109157.435 MT (from April 2019 to August 2020)
	Recycler	Total no. recycling units: 597 Capacity of recycling plastic waste: 11,13,526.56 MT/Y
	Refuse Derived Fuel	MSW units : 2 Quantity of final product sold is 129,575 MT/Annum containing 7 % of plastic waste i.e. 9071 MT/Annum (April 2019-March 2020)
	Pyrolysis	Total no. of operational units: 2 Cap. to convert plastic waste into oil: 5075 TPA Plastic used as raw material: 600 MT/M

X.	Details of Alternate Treatment Technology being adopted by the State/UT:
-Ahmedabad & Vadodara Municipal Corporations have set up dry sewage sludge hygienisation Cobalt – 60 gamma irradiation plant. (Ahmedabad Municipal Corporation - 100 tonnes per day)	

- Legacy waste treatment at Pirana dumping site, Ahmedabad.	
XI.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment:
Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan. Proposal not received from PRH & RDD/ Concerned for in-situ remediation.	
XII.	Details of Nodal Officer appointed by Chief Secretary in the State/UT:
In compliance to the direction of Hon'ble NGT with reference to set up of Monitoring Mechanism, Deputy Environmental Engineer (Shri T.C.Patel) has been deputed vide letter dated 10.06.2020 at Chief Secretary office to look after the Hon'ble NGT matters.	
XIII.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
All NGT matters are being reviewed regularly under chairmanship of Hon'ble CS.Total 2 review meetings are conducted so far under the chairmanship of Hon'ble CS to monitor the progress with reference to the action plans submitted w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 673/2018and to resolve various issues/non -compliances. Last meeting was convened on 10/09/2020 under the chairmanship of Hon'ble Chief Secretary Gujarat State. Two review meetings have been convened so far w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 606/2018 which also includes the review of matters related to O.A. No.:-673/2018.	
XIV.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;
Details are attached as **Annexure – II**	
XV.	Ground water regulation:
GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" Final comments /suggestions were sought by GWRDC vide letter dated 02/11/2020 from concerned departments for finalization of the draft bill. Seven meetings of sub-committee have been convened so far for finalization of the draft bill. The final draft bill was approved by the sub-committee during the meeting held on 12/11/2020 as per the minutes of meeting. The final draft of the bill has been submitted to the Chairman of the Committee and Special Secretary, (WR), Narmada Water Resource, Water Supply & Kalpsar department, Govt. of Gujarat, for consideration in the main committee meeting.	

XVI.	Good irrigation practices being adopted by the State:
XVII.	Rain Water Harvesting:
XVIII.	Demarcation of Floodplain and removal of illegal encroachments:
XIX.	Maintaining minimum e-flow of river:
Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date is attached as **Annexure – III.**	
XX.	Plantation activities along the rivers:
Details w.r.t point no. XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV**	
XXI.	Development of biodiversity park:
As per the information received from GBB, vide letter dated 24.04.2020, Forest Dept. has established a very rich Botanical Garden at Waghai, Dangs. It also has a chain of Research Stations, Germ Plasms Banks, Provenance Banks, Sample Plots, Preservation Plots spread all over the State. Many working plans have Conservation or Preservation Working Circles for the express purpose of Biodiversity Conservation. The National Working Pan Code 2014 also mandates a Biodiversity Conservation Working Circle. All plans coming up for revision now shall have a Biodiversity Conservation Working Circle. Besides a host of Biodiversity based activities like Cactus Park, Ekta Van, Ekta Nursery, and Nutritional Park etc., have come up at Statue of Unity. Moreover, Shakkarbaug Zoo is an "A" Category zoological park along with many other zoological parks at Rajkot, Ahmedabad, Gandhinagar, Vadodara, Surat, Kevadiya etc. All these are repositories of biodiversity. Therefore, these may be treated as a Biodiversity park is totality. GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 Crore for the development of Biodiversity Park. Team suggested tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.	
XXII.	Reuse of Treated Water:
Details are attached as **Annexure – V**	
XXIII.	Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:
River Sabarmati has been selected as model river stretch during the 9th RRC meeting held on 27.11.2020.	
XXIV.	Status of Preparation of Action Plan by the 13 Coastal States:

Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms.

STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.

XXV.	Regulation of Mining Activities in the State/UT:

Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.

XXVI.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring

- Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 .
- Number of closure directions to defaulting units under section 31 A of Air Act – 1981: 5703 respectively.
- Number of notice of directions to defaulting units under section 33 A of Water Act – 1974: 17263.
- Number of closure directions to defaulting units under section 33 A of Water Act – 1974: 11383.
- Number of notice of directions under rule 4(2) of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 4130
- Number of closure directions under section 5 of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 1583

(As per Annual report – 2018-19)

***Note: Incremental progress made by the State/UT in each activity to be provided.**

RRC meetings:

RRC meetings are regularly being held at GPCB, Gandhinagar to review the progress and the minutes of the meeting having progress status, is regularly submitted to CPCB. Last RRC (9^{th} RRC) meeting was conducted on 27/11/2020. Following are the gist of main points discussed during the meeting:

- Concerned departments / authorities/ organizations were asked to submit proposals with elongated /revised timeline for completion of the projects with the justification
- Concerned departments / authorities/ organizations were asked to furnish details of incremental progress of the projects & activities proposed under the Action Plans of Polluted River Stretches
- All the concerned Municipal Corporations & Nagapalikas were asked to submit the list of STPs not complying with the norms and proposals for up-gradation of the STPs not complying with the norms along with the timeline for completion of the same.
- GWSSB was asked to submit STP wise progress of land issues on monthly basis to RRC and GPCB.
- River Sabarmati has been selected as model river stretch.

STPs:

No sewage discharge in to this river stretch

CETPs:

There is no Industrial wastewater discharge into this river stretch

Annexure-I (A)

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
1	Ahmedabad Pirana 2009	60	60	Operational	Non Compliance	
2	Ahmedabad Old Pirana 2004	106	106	Operational	Non Compliance	SCN-587981
3	Ahmedabad Pirana 2009	180	180	Operational	Non Compliance	
4	Ahmedabad Vasna 2004	126	126	Operational	Non Compliance	
5	Ahmedabad Vasna 2009	35	35	Operational	Compliance	
6	Ahmedabad Vasna 2011	240	235	Operational	Compliance	
7	Ahmedabad Vinzol 2011	70	70	Operational	Compliance	
8	Ahmedabad Vasna 2018	48	48	Operational	Compliance	
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Compliance	
10	Ahmedabad Vinzol 2020	35	30	Operational	Compliance	
11	Ahmedabad Arvind Mill	8	8	Operational	Compliance	
12	Ahmedabad Rasala	1	1	Operational	Not in operation during site visit	
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Site not visited	Only obtained ID, Not applied for CTE/CCA
14	Ahmedabad V S Hospital	1	1	Operational	Compliance	
15	Ahmedabad Nikol	0.5	0.5	Operational	Details not available	
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Compliance	
17	Ahmedabad Lambha	5	2	Operational	Details not available	
18	Surat Singanpore 2003/2014	155	147.58	Operational	Compliance	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
19	Surat Karanj 1999/2015	140	136.59	Operational	Site not visited	
20	Surat Bhatar 1999/2014/2017	162	162	Operational	Site not visited	
21	Surat Anjana 1995/2007/2019	122	121	Operational	Site not visited	
22	Surat Bamroli 2008/2019	100	100	Operational	Non Compliance	SCN-591844
23	Surat Bhesan 1995/2009/2020	200 (100 existing + 100 proposed expansion)	120.52	Operational	Site not visited	
24	Surat Khajod 2011	25	24.20	Operational	Site not visited	
25	Surat Asarama 2011	15	15	Operational	Non Compliance	SCN-591208
26	Surat Dindoli 2012/2019	167	72.50	Operational	Site not visited	
27	Surat Variav-Kosad 2012/2017	134	131	Operational	Compliance	
28	Surat Gavier 2016	53	16	Operational	Non Compliance	SCN-589968
29	Vadodara Tarsali	52	58	Operational	Non Compliance	SCN-591157
30	Vadodara Gajarawadi	66	72	Operational	Non Compliance	SCN-591155
31	Vadodara Kapurai	43	50	Operational	Non Compliance	SCN-591156
32	Vadodara Rajivnagar	78	55	Operational	Compliance	
33	Vadodara Sayaji garden	8.5	7	Operational	Non Compliance	
34	Vadodara Channi	21	21	Operational	Non Compliance	SCN-590935
35	Vadodara Atladara (old)	43	51	Operational	Non Compliance	SCN-28/05/2021
36	Vadodara Atladara (new)	43	43	Operational	Non Compliance	SCN-28/05/2021

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
37	Gandhinagar Jaspur 2007	76	45	Operational	Non Compliance	SCN-589724
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Non Compliance	
39	Gandhinagar Basan 2011-12	2	1.0	Operational	Non Compliance	SCN-590220
40	Rajkot Nr Raiya village 2010	51	45	Operational	Site not visited	
41	Rajkot Raiyadhar 2017	56	35	Operational	Compliance	
42	Rajkot Nr Madhapar 2018	44.5	16	Operational	Non Compliance	
43	Rajkot Nr Kothariya Village 2017	15	9	Operational	Non Compliance	
44	Rajkot Gavaridad 2018	70	35	Operational	Non Compliance	
45	Rajkot Madhapar 2019	80	30	Operational	Non Compliance	SCN-5858200
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Site not visited	
47	Bhavnagar Behind Excel industries	45	40	Operational	Site not visited	
48	Jamnagar Navagam Ghed	70	70	Operational	Site not visited	
49	Gandhidham - Anjar	30.00	22	Operational	Site not visited	
50	Patan	25.00	13	Operational	Site not visited	
51	Nadiad	51.26	20	Operational	Not in operation	
52	Siddhpur	5.62	5	Operational	Oxidation pond	
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond	
54	Sanand	20.50	0	Non - Operational	Site not visited	
55	Himmatnagar	17.51	6	Operational	Site not visited	
56	Petlad	10.37	8	Operational	Non	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
					Compliance	
57	Dholka	13.60	8	Operational	Non Compliance	
58	Savarkundla	13.90	5	Operational	Oxidation pond	
59	Gadhda	6.50	2	Operational	Oxidation pond	
60	Kathlal	3.80	2.59	Operational	Oxidation pond	
61	Mahudha	2.10	1.76	Operational	Oxidation pond	
62	Bayad	4.00	2.06	Operational	Oxidation pond	
63	Patadi	2.80	1.33	Operational	Oxidation pond	
64	Sojitra	2.30	2	Operational	Oxidation pond	
65	Dwarka	7.50	2.28	Operational	Site not visited	Not obtained CTE/CCA
66	Godhra	27.60	4	Operational	Site not visited	
67	Bhuj	23.70	19	Operational	Non Compliance	Not obtained CTE/CCA
68	Bhachau	10	4	Operational	Non compliance	Not obtained CTE & CCA
69	Anand (Lambhvel)	33	9	Operational	Compliance	Not obtained CTE/CCA
70	Anand (TP-8)	13.5	2.5	Operational	Non Compliance	SCN-589391
71	Surendranagar	32.3	17	Operational	Compliance	
72	Valsad-1	20.2	2	Operational	Not in operation during site visit	
73	Morbi	28.8	6	Operational	Non Compliance	
Total		3598.86	2915.91			

New STPs under trail run.

74	Jasdan	8.80	4.0	Under trial run	
75	Tharad	4.80	2.5	Under trial run	
76	Dehgam	7.60	4.0	Under trial run	
77	Dhangadhra	11.60	1.04	Under trial run	
78	Porbandar	19.10	3.0	Under trial run	
79	Bardoli	11.30	0.0	Under trial run	
80	Vyara	6.50	1.50	Under trail run	
Total		69.7	16.04		

CTE: Consent to Establish, CC&A: Consolidated Consents and Authorization.

Annexure-I (B)

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1.	Ahmedabad Vinzol	100	95%	Completed	31/08/2021
2.	Ahmedabad Pirana	155	93%	Completed	31/08/2021
3.	Ahmedabad Maleksaban	30	30%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	02%	Completed	31/12//2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	SuratSinganpore	100	98%	Completed	31/07/2021
7.	SuratBhatar	115	74%	Completed	31/07/2021
8.	SuratBamroli	115	77%	Completed	28/02/2022
9.	SuratAsarma	22.5	54%	Completed	05/04/2022
10.	SuratKhajod	30	36%	Completed	30/11/2021
11.	Vadodara Kapurai	60	78%	85%	31/12/2021
12.	Vadodara Chhani	50	40%	Completed	31/12/2021
13.	Vadodara Bhayli	45	45%	Completed	28/02/2022
14.	Vadodara Sayaji garden	7.5	65%	Completed	28/02/2022
15.	Rajkot Kothariya, on NH bypass	15	25%	Completed	07/09/2021
16.	Bhavnagar Axcel Industries	50	42%	Completed	31/05/2022
17.	JunagadhBilkha Road, Near CBSE School	8.2	70%	Completed	03/09/2021
18.	Rajula	5.70	13%	Completed	31/10/2021
19.	Bagasara	5.90	14%	Completed	31/10/2021
20.	Chalala	2.80	90%	Completed	31/08/2021
21.	Mahuva	16.30	90%	Completed	31/08/2021
22.	Talaja	5.80	80%	Completed	31/08/2021
23.	Una	11.70	96%	Completed	31/08/2021
24.	Bantva	2.60	98%	Completed	31/08/2021
25.	Mansa	5.00	45%	Completed	31/08/2021
26.	Dhanera	4.00	48.00%	Completed	15/11/2021
27.	Bhabhar	3.50	45%	Completed	25/09/2021
28.	Thara	3.60	45%	Completed	15/11/2021
29.	Kadi	12.80	55%	Completed	05/09/2021
30.	Unjha	11.60	81%	Completed	31/08/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
31.	Visnagar-1	12.00	97.00%	Completed	31/07/2021
32.	Visnagar-2	5.30	75%	Completed	31/08/2021
33.	Kheralu	2.90	90%	Completed	10/11/2021
34.	Vijapur	4.10	50%	Completed	10/11/2021
35.	Radhanpur	6.00	15%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	13/06/2022
36.	Idar	7.40	91.00%	Completed	31/08/2021
37.	Khedbrahma	5.80	91.00%	Completed	31/08/2021
38.	Prantij	3.70	91%	Completed	31/08/2021
39.	Talod	3.60	17%	Completed	30/10/2021
40.	Vadali	3.80	5%	Completed	30/10/2021
41.	Jambusar	5.90	62%	Completed	16/10/2021
42.	Amod	3.10	62%	Completed	16/10/2021
43.	Bilimora	8.30	15%	Completed	04/03/2022
44.	Gandevi	2.60	20%	Completed	31/03/2022
45.	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
46.	Dharampur	4.10	62%	Completed	31/08/2021
47.	Borsad	9.80	95%	Completed	31/08/2021
48.	Umreth	6.10	61%	Completed	25/08/2021
49.	Dahod	13.70	98.00%	Completed	31/07/2021
50.	Zalod	4.60	95%	Completed	31/07/2021
51.	Devgadhbariya	3.80	79%	Completed	31/07/2021
52.	Santrampur	2.91	41%	Completed	21/09/2021
53.	Kalol (P)	4.77	55%	Completed	09/09/2021
54.	Shehra	2.80	26%	Completed	30/09/2021
55.	Chhotaudepur	5.00	96%	Completed	31/07/2021
56.	Padra	5.60	82%	Completed	20/08/2021
57.	Viramgam	4.50	85%	Completed	31/08/2021
58.	Bavla	5.80	35%	Completed	12/12/2021
59.	Dhandhuka	7.50	95%	Completed	31/07/2021
60.	Bareja	3.10	85%	Completed	31/07/2021
61.	Chaklasi	4.90	0.00%	Completed	31/03/2022
62.	Kapadwanj	6.20	32%	Completed	10/12/2021
63.	Mehmdabad	5.60	60%	Completed	17/11/2021
64.	Dakor	4.90	32%	Completed	10/12/2021
65.	Kheda	5.20	43%	Completed	17/11/2021
66.	Chotila-1	2.30	22%	Completed	30/09/2021
67.	Chotila-2	1.70	15.00%	Completed	30/09/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
68.	Wadhwan	12.10	0.00%	Completed	31/03/2022
69.	Barwala	2.90	14%	Completed	17/09/2021
70.	Harij	3.00	60%	Completed	31/12/2021
71.	Chanasma	2.50	0.00%	Completed	31/12/2021
72.	Ode	2.50	35%	Completed	09/09/2021
73.	Karjan	5.20	30%	Completed	09/12/2021
74.	Vadnagar	5.94	95.00%	Completed	30/09/2021
75.	Botad	32.00	86.00%	Completed	31/07/2021
76.	Morbi-2	9.30	95%	Completed	31/07/2021
77.	Jetpur	23.50	95%	Completed	31/07/2021
78.	Gondal	16.50	55%	Completed	30/09/2021
79.	Amreli	18.20	77.00%	Completed	31/07/2021
80.	Kalol	23.50	16.00%	Completed	30/06/2022
81.	Palanpur	21.30	3.00%	95%	30/06/2022
82.	Deesa	17.00	70.00%	Completed	30/09/2021
83.	Bharuch	29.32	82.00%	90%	30/09/2021
84.	Vapi-1	14.00	55.00%	Completed	30/09/2021
85.	Anand-3	6.50	95%	Completed	31/08/2021
86.	Porbandar-1	12.80	82.00%	Completed	31/08/2021
87.	Damnagar	2.80	0.00%	Completed	11/02/2022
88.	Lathi	3.80	0.00%	Completed	11/02/2022
89.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1536.64			

New STPs for which work order given.

90.	Bhavnagar Akwada	19.2	7%	Completed	31/12/2022
91.	Anklav	3.60	20%	Completed	04/03/2022
92.	Khambhat-1	6.80	2%	Completed	04/06/2022
93.	Khambhat-2	4.50	2%	Completed	04/06/2022
94.	Thangadh	9.00	0.00%	Completed	07/06/2022
95.	Balasinor	6.50	2%	Completed	22/04/2022
96.	Savli	2.5	5%	Completed	18/04/2022
97.	Dabhoi	8.96	1%	Completed	18/04/2022
98.	Kanjari	3.3	16%	Completed	18/04/2022
99.	Halvad	6.7	0.00%	Completed	17/07/2022
100.	Rajpipla	5.02	5%	Completed	17/07/2022
101.	Pardi	4.60	0.0%	Completed	14/06/2022
102.	Mandvi Surat	3.50	0.0%	Completed	15/06/2022
103.	Ankleshwar	14.0	0.0%	Completed	15/09/2022
104.	Umargam	6.48	0.0%	Completed	14/09/2022
105.	Karamsad	7.0	0.0%	Completed	14/09/2022
106.	Boriavi	3.30	2%	Completed	14/09/2022
107.	Lunavada	5.60	0.0%	Completed	16/09/2022

108.	Palitana	10.81	0.0%	Completed	31/03/2022
Total		131.37			

Total STPs under construction: 1536.64+131.37=1668.01 MLD

Annexure-I (C)

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1.	Ahmedabad Dafnala	25	LOI Given	31/12/2022
2.	Vadodara Tarsali	100	Revised DPR under scrutiny	31/12/2022
3.	Vadodara Atladara	83	Tender to be re- invited	31/12/2022
4.	Vadodara Gajarawadi	93	Revised DPR under scrutiny	31/12/2022
5.	GandhinagarSargasan	50	LOI Given	31/12/2022
6.	Jamnagar Nr Rangmati River	50	DPR Stage	31/12/2022
7.	Junagadh Kalva	15.50	Work order given	31/12/2022
8.	Junagadh Zanzarda	11.00	Work order given	31/12/2022
9.	Junagadh near Lol river	29.50	Work order given	31/12/2022
10.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
11.	Bhanvad	3.00	Tender under approval	31/03/2022
12.	Visavadar	3.40	Tender recently approved	31/03/2022
13.	Lunawada	5.60	Tender under approval	31/03/2022
14.	Okha	10.10	Tender under approval	31/03/2022
15.	Beyt (near Okha)	1.20	Tender under approval	31/03/2022
16.	Khambhalia	5.50	Tender under approval	31/03/2022
17.	Salaya, Jamnagar	6.20	Tender under approval	31/03/2022
18.	Jamjodhpur	3.60	Tender recently approved	31/03/2022
19.	Wankaner	5.80	Tender recently approved	31/03/2022
20.	Chhaya	13.10	Tender under approval	31/03/2022
21.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
22.	Veraval- Patan	33.90	Tender to be invited	31/03/2022
23.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
24.	Babra	4.00	Under Tender evaluation	31/12/2022

25.	Kodinar	5.60	Under Tender evaluation	31/12/2022
26.	Sutrapada	4.00	Tender tobe invited	31/12/2022
27.	Talala	3.80	Under Tender evaluation	31/12/2022
28.	Chorvad	3.70	Tender recently approved	31/12/2022
29.	Halol	11.60	Tender to be invited	31/12/2022
30.	Thasra	2.30	Tender to be invited	31/12/2022
31.	Mandvi-2 (Salaya)	3.20	Tender to be invited	31/12/2022
32.	Mandvi-1 (JT Grounds)	5.30	Tender to be invited	31/12/2022
33.	Jamraval	2.60	Tender to be invited	31/12/2022
34.	Dhrol	3.60	Under tender evaluation.	31/12/2022
35.	Kalavad	4.50	Tender under approval	31/12/2022
36.	Maliya	2.50	Tender to be invited	31/12/2022
37.	Kutiyana	2.90	Tender under approval	31/12/2022
38.	Ranavav-1 (Adityana)	3.00	Tender under approval	31/12/2022
39.	Ranavav-2	4.50	Tender under approval	31/12/2022
40.	Dhoraji	12.90	Tender recently approved	31/12/2022
41.	Bhayavadar	3.10	Tender to be invited	31/12/2022
42.	Manavadar	4.90	Tender recently approved	31/12/2022
43.	Pethapur	3.80	DPR stage	30/06/2022
44.	Sikka	2.90	Tender recently approved	31/12/2022
45.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
46.	Mahesana-1	23.18	Under Tender evaluation	31/03/2022
47.	Mahesana-2	18.46	Under Tender evaluation	31/03/2022
48.	Jafrabad	5.4	Tender online	31/12/2022
49.	Gariyadhar	7.1	Under Tender evaluation	31/12/2022
50.	Shihor	8.9	Under Tender evaluation	31/12/2022
51.	Mangrol	9.6	DPR/DTP stage	31/12/2022
52.	Vanthli	2.2	DPR/DTP stage	31/12/2022
53.	Modasa	12.0	Under Tender evaluation	31/12/2022
54.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
55.	Songadh	4.5	Tender recently approved	31/12/2022
56.	Limdi	7.4	DPR/DTP stage	31/12/2022
57.	Bhachau	1.0	Tender under approval	31/12/2022
58.	Rapar	5.2	Under tender	31/12/2022

			evaluation.	
59.	Upleta	8.9	DPR/DTP stage	31/12/2022
60.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		856.57		

Newly proposed STPs.

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
61.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
62.	Gandhinagar Bhat	30	DPR Stage	31/12/2022
63.	Rajkot Raiyadhar	8.0	Tender online	31/12/2022
Total		98		

Total of Proposed STPs= 856.57+98=954.57 MLD

Annexure-II

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river

Annexure-II (A)

Progress/Status Report of the River/PRS water quality monitoring for the Month May - 2021:

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
04/05/2021	River Meshwo D/s at Shamlaji	7.09	7.81	0.96	9	<1.8	21

Annexure-II(B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River for May - 2021:

Date	Location	pH	BOD (mg/l)	COD (mg/l)	TDS (mg/l)
04/05/2021	Borewell from Shamlaji Dharamshala	7.70	0.81	8	512

Annexure-II (C)

Drains Details with Flow:

Not Applicable

Annexure-II (D)

STP & CETP results:

Not Applicable

Annexure-III

Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date

Sr.No	River name	Details/Status
1	Meshwo	1. Environmental flow: • Nil • Meshwo River is not a perennial river. During monsoon period when water level crosses 214.59 mt. level, then only water of reservoir can pass through river. 2. Detail of Good Irrigation Practices: • General Government practice of irrigation is maintained in command area of Meshwo Project. • Farmers are made aware to use water optimally. • Every year routine maintenance work of Meshwo Canal is carried out for optimum water usage and to minimize seepage losses. • As such no water logging issues are noticed due to irrigation in command area. 3. Detail on Flood Plain Management Zone: • The maximum flood recorded in meshwo project is 73000 cusecs. As far as meshwo project is concerned 19 villages of Modasa and Bhiloda Taluka are identified which may get affected due to flood in down-stream of Meshwo Dam upto 7300 cusecs discharge from waste weir in such condition people of this villages are warned through early warning arrangement in consultation with revenue department.

Annexure-IV

Details w.r.t point no.XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/ River	Existing plantation / vegetation cover details	Proposed plan to cover remaining gap along river/river stretch	Time limit	Remarks
Meshwo River bank of River Shamlaji	Sparse Natural Vegetation of Propopis juliflora & other shrubs and climbers	0.40 lacs Plantation to be done in 2020-2021	2020-2021	As per AAP (Annexure A) for both side plantation on PRS during 2020-21.

Annexure – A

List of Polluted River Stretches of Gujarat (River Both side Plantation AAP in 2020-21)		
Sr. No.	River	Plants (In lakhs)
1.	Sabarmati	1.54
2.	Bhadar	0.20
3.	Amlakhadi	0.10
4.	Bhogavo	0.60
5.	Khari	0.02
6.	Vishwamitri	0.15
7.	Dhadhar	1.10
8.	Triveni	0.10
9.	Amravati	0.10
10.	Damanganga	0.25
11.	Kolak	0.25
12.	Mahi	0.20
13.	Shedhi	0.15
14.	Tapi	0.35
15.	Anas	0.05
16.	Baleshwar Khadi	0.02
17.	Kim	0.02
18.	Meshwo	0.40
19.	Mindhola	0.05
20.	Narmada	0.45
Total		6.10

Plantation of **6.91** lakh trees have been carried out on both the sides of polluted river stretches against the action plan for planting 6.10 lakh trees

Annexure-V

Details received from concerned department regarding reuse of treated wastewater

Treated waste water utilization policy:

- Gujarat Government has framed Policy for Reuse of "Treated Waste Water (TWW)" by maximising the collection and treatment of sewage generated and reusing the treated wastewater on a sustainable basis. In this regards, revised action plan has been submitted by Gujarat Water Supply and Sewerage Board (GWSSB) to Chairman, CPCB where one of the objectives of the revised action plan is to reuse 70% of treated wastewater by 2025 and 100% of treated wastewater by 2030.
- As per the details received from Gujarat Water Supply & Sewerage Board, Latest status of Treated waste water reuse in the State is as under:

	Status		
	TWW reuse started (MLD)	TWW reuse projects in tender/execution stage (MLD)	TWW reuse under planning (MLD)
Municipal Corporations	623.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**646.68**	**250**	**790.4**

Annexure-VI

Non-Complying / Partially non-complying CETPs
January - 2021

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of January- 2021, mg/L	Action Taken
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	358	SCN-580872 11/01/2021
		SS	100	128	
2.	M/s. Gujarat Vepari Maha Mandal Sahkari Udhyogik Vasahat Ltd, Ahmedabad	BOD	30	34	---
3.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	COD	250	457	SCN-580900 11/01/2021
		BOD	30	48	
4.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	340	---
5.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	1629	Under process
		BOD	100	362	
		SS	100	158	
6.	M/s. Vinayak Jal Sudhikaran Sahakari Mandali Ltd, Bavla, Ahmedabad	COD	250	368	Under process
7.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar	COD	500	808	SCN-583590 11/02/2021
		SS	100	144	
		NH_3-N	50	122.08	
8.	M/s. Panoli Enviro Technology Ltd., GIDC-Panoli, Bharuch	SS	150	194	---
9.	M/s. CETP of Kejriwal Integrated Textile Park Ltd – KITPL	SS	<5	10	Not Taken
10	M/s. Gujarat Eco Textile Park Pvt Ltd, Palsana, Surat	SS	<100	92	SCN-584213 20/02/2021
		TDS	2100	2452	
11	M/s. Fairdeal Textile Parks Pvt. Ltd, Kosamaba, Surat	COD	100	107.5	---
12	M/S of Bhatgam washing ghat sudhhikaran YojanaPvt. Ltd., Bhatgam, Rajkot	COD	100	524	---
		BOD	30	163	
		SS	100	484	
13	M/s Jetpur Dying & Printing Association, Jetpur, Rajkot	COD	250	747	SCN-584068 18/02/2021
		BOD	100	245	
		SS	100	158	

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of **January- 2021**, mg/L	Action Taken
14	M/s Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	358	SCN-584378 22/02/2021
		BOD	30	108	
15	M/s. Kalol GIDC Industries Association, Kadi, Gandhinagar	COD	250	494	SCN-585893 16/03/2021
16	M/s CETP of Dahej Industrial Estate	COD	250	519	SCN-584845 01/03/2021

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Gujarat
Monthly Progress Report of PRS Mindhola for May - 2021.

Overall status of the State:

I. Total Population: Urban Population – 2,57,45,083, Rural Population – 3,46,94,609 (Census - 2011)

II. Estimated Sewage Generation (MLD): 4003 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): 73 nos, 3485 MLD
  [7 under construction STPs are now complete and are now under trial run i.e additional 183.56 MLD]
- Capacity Utilization of existing STPs: 2739 MLD
  [additional utilization capacity as on May 2021 – 192.95 MLD from existing + newly commissioned STPs]
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
  [334.44 MLD - Gap considering 3668.56 MLD treatment capacity i.e 3485 MLD + 183.56 MLD]
- No. of Operational STPs: 73 [80 as on May 2021]
- No. of Complying STPs: 15
- No. of Non-complying STPs: 27 (including STPs not obtained CTE & CCA)
- ULBs having Oxidation ponds: 9
- Site of the STPs not visited: 17
- STPs not in operation during the site visit:3
- Details of STPs not available: 2
- STPs just commissioned / under trial run: 7
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 16, ➢ Non complying: 18 (Please refer Annexure VI) *(as per CM dash board data for **April-2021**, available on Board's website)

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Gujarat	44143	Not available	Out of 12815 water polluting industries 12700 industries having ETP. 12551 ETPs are complying with norms.	Existing CETPs : 34 Propose/Under construction/under expansion: 19

V. Solid Waste Management:

Particulars	Data
Total number of Urban Local Bodies and their population	162
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF	• There are total No. 755 of Plants for Vermi / Aerobic/ anaerobic Composting of installed processing capacity 7477 TPD. • There are 232 plants Material Recovery Facilities (MRF) with processing capacity of 5441.93 TPD installed capacity. • There are 5 plants of RDF with processing of 1390.25 TPD. • Biogas 29 plants with capacity of 1086 TPD.
Action plan to bridge gap between installed capacity and current utilization of processing facilities (if gap > 20%)	Gap is less than 20% hence not applicable.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	There are 2 Processing plants C & D Waste with processing capacity of 1300 TPD.
Total no. of wards: no. of wards having door to door collection service: no. of wards practicing segregation at source falling into PRS:	1418 1418 Information not available
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Information not available
No. and area (in acres) of uncontrolled garbage dumpsites and sanitary landfills.	Information not available
No. and area (in acres) of legacy waste within 1km. buffer on both side of the PRS	Information not available
No. of drains falling into PRS and no. of drains having floating racks/screens installed to prevent solid waste from falling into PRS	Not provided, however in-situ remediation at Ankleshwar and Kheda municipalities are under implementation. It will be commenced in all 7 municipalities related to PRS within one month after positive results of technology.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Details are being prepared.					

VI. Bio-medical Waste Management:

- Total Bio-medical generation(Related to entire State): 36.42 MT/day
  Total Bio-medical generation(Related to PRS): 27.54 MT/day
- No. of Hospitals and Health Care Facilities(Related to entire State): 31286
  No. of Hospitals and Health Care Facilities(Related to PRS): 28399
- Status of Treatment Facility/ CBMWTF(Related to entire State)
  : Existing – 20, Proposed – 1
  Capacity – 126 MT/day
  Status of Treatment Facility/ CBMWTF(Related to PRS): Existing – 16
  Capacity – 108 MT/day

VII. Hazardous Waste Management:

- Total Hazardous Waste generation: 2.5 to 2.7 MMT as per HW inventory which includes landfill, incineration, recycling and co-processing. (It depends upon the industrial operation of the year)
- No. of Industries generating Hazardous waste: About 19683 as per HW inventory 19-20
- Treatment Capacity of all TSDFs: Total installed capacity about 8626332 MT
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated: 1.3 MMT as per HW inventory 19-20
- Details of on-going or proposed TSDF: 7 nos. proposed TSDF having total installed capacity about 36 lac MT

VIII. Plastic Waste Management:

- Total Plastic Waste generation: 408201.08 TPA (April 2019-March 2020)
- Treatment/ Measures adopted for reduction or management of plastic waste:

Disposal of Plastic Waste through	Co-processing	109157.435 MT (from April 2019 to August 2020)
	Recycler	Total no. recycling units: 597 Capacity of recycling plastic waste: 11,13,526.56 MT/Y
	Refuse Derived Fuel	MSW units : 2 Quantity of final product sold is 129,575 MT/Annum containing 7 % of plastic waste i.e. 9071 MT/Annum (April 2019-March 2020)
	Pyrolysis	Total no. of operational units: 2 Cap. to convert plastic waste into oil: 5075 TPA Plastic used as raw material: 600 MT/M

IX.	Details of Alternate Treatment Technology being adopted by the State/UT:
-Ahmedabad & Vadodara Municipal Corporations have set up dry sewage sludge hygienisation Cobalt – 60 gamma irradiation plant. (Ahmedabad Municipal Corporation - 100 tonnes per day) - Legacy waste treatment at Pirana dumping site, Ahmedabad.	
X.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment:
Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan. Proposal not received from PRH & RDD/ Concerned for in-situ remediation.	
XI.	Details of Nodal Officer appointed by Chief Secretary in the State/UT:
In compliance to the direction of Hon'ble NGT with reference to set up of Monitoring Mechanism, Deputy Environmental Engineer (ShriT.C.Patel) has been deputed vide letter dated 10.06.2020 at Chief Secretary office to look after the Hon'ble NGT matters.	
XII.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
All NGT matters are being reviewed regularly under chairmanship of Hon'ble CS.Total 2 review meetings are conducted so far under the chairmanship of Hon'ble CS to monitor the progress with reference to the action plans submitted w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 673/2018and to resolve various issues/non -compliances. Last meeting was convened on 10/09/2020 under the chairmanship of Hon'ble Chief Secretary Gujarat State. Two review meetings have been convened so far w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 606/2018 which also includes the review of matters related to O.A. No.:-673/2018.	
XIII.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;
Details are attached as **Annexure – II**	
XIV.	Ground water regulation:
GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" Final comments /suggestions were sought by GWRDC vide letter dated 02/11/2020 from concerned departments for finalization of the draft bill. Seven meetings of sub-committee have been convened so far for finalization of the draft bill. The final draft bill was approved by the sub-	

committee during the meeting held on 12/11/2020 as per the minutes of meeting. The final draft of the bill has been submitted to the Chairman of the Committee and Special Secretary, (WR), Narmada Water Resource, Water Supply &Kalpsar department, Govt. of Gujarat, for consideration in the main committee meeting.	
XV.	Good irrigation practices being adopted by the State:
XVI.	Rain Water Harvesting:
XVII.	Demarcation of Floodplain and removal of illegal encroachments:
XVIII.	Maintaining minimum e-flow of river:
Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date is attached as **Annexure – III.**	
XIX.	Plantation activities along the rivers:
Details w.r.t point no. XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV**	
XX.	Development of biodiversity park:
As per the information received from GBB, vide letter dated 24.04.2020, Forest Dept. has established a very rich Botanical Garden at Waghai, Dangs. It also has a chain of Research Stations, Germ Plasms Banks, Provenance Banks, Sample Plots, Preservation Plots spread all over the State. Many working plans have Conservation or Preservation Working Circles for the express purpose of Biodiversity Conservation. The National Working Pan Code 2014 also mandates a Biodiversity Conservation Working Circle. All plans coming up for revision now shall have a Biodiversity Conservation Working Circle. Besides a host of Biodiversity based activities like Cactus Park, Ekta Van, Ekta Nursery, and Nutritional Park etc., have come up at Statue of Unity. Moreover, Shakkarbaug Zoo is an "A" Category zoological park along with many other zoological parks at Rajkot, Ahmedabad, Gandhinagar, Vadodara, Surat, Kevadiya etc. All these are repositories of biodiversity. Therefore, these may be treated as a Biodiversity park is totality. GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 Crore for the development of Biodiversity Park. Team suggested tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.	
XXI.	Reuse of Treated Water:
Details are attached as **Annexure – V**	
XXII.	Model River being adopted by the State & Action Proposed for achieving the

	bathing quality standards:
River Sabarmati has been selected as model river stretch during the 9thRRC meeting held on 27.11.2020.	
XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:
Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms. STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.	
XXIV.	Regulation of Mining Activities in the State/UT:
Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.	
XXV.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring
• Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 . • Number of closure directions to defaulting units under section 31 A of Air Act – 1981: 5703 respectively. • Number of notice of directions to defaulting units under section 33 A of Water Act – 1974: 17263. • Number of closure directions to defaulting units under section 33 A of Water Act – 1974: 11383. • Number of notice of directions under rule 4(2) of the EPAct – 1986 read with Hazardous Waste (Management, Handling &Transboundary) Rules – 2008: 4130 • Number of closure directions under section 5 of the EPAct – 1986 read with Hazardous Waste (Management, Handling &Transboundary) Rules – 2008: 1583 (As per Annual report – 2018-19)	

***Note: Incremental progress made by the State/UT in each activity to be provided.**

RRC meetings:

RRC meetings are regularly being held at GPCB, Gandhinagar to review the progress and the minutes of the meeting having progress status, is regularly submitted to CPCB. Last RRC (9^{th} RRC) meeting was conducted on 27/11/2020. Following are the gist of main points discussed during the meeting:

- Concerned departments / authorities/ organizations were asked to submit proposals with elongated /revised timeline for completion of the projects with the justification
- Concerned departments / authorities/ organizations were asked to furnish details of incremental progress of the projects & activities proposed under the Action Plans of Polluted River Stretches
- All the concerned Municipal Corporations & Nagapalikas were asked to submit the list of STPs not complying with the norms and proposals for up-gradation of the STPs not complying with the norms along with the timeline for completion of the same.
- GWSSB was asked to submit STP wise progress of land issues on monthly basis to RRC and GPCB.
- River Sabarmati has been selected as model river stretch.

STPs:

Sr. No.	Proposed STP details	Status
1.	STP of 4 MLD (2+2 MLD) proposed by Sachin Notified Area Authority	Land is available. DPR & estimates are ready to be submitted under Common Environment Infrastructure project. Delayed on the account of COVID-19 pandemic, land issues, finalization of technology and project funding. Revised timeline December – 2020.

CETPs:

No Industrial wastewater discharge into this River stretch.

Annexure-I (A)

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
1	Ahmedabad Pirana 2009	60	60	Operational	Non Compliance	
2	Ahmedabad Old Pirana 2004	106	106	Operational	Non Compliance	SCN-587981
3	Ahmedabad Pirana 2009	180	180	Operational	Non Compliance	
4	Ahmedabad Vasna 2004	126	126	Operational	Non Compliance	
5	Ahmedabad Vasna 2009	35	35	Operational	Compliance	
6	Ahmedabad Vasna 2011	240	235	Operational	Compliance	
7	Ahmedabad Vinzol 2011	70	70	Operational	Compliance	
8	Ahmedabad Vasna 2018	48	48	Operational	Compliance	
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Compliance	
10	Ahmedabad Vinzol 2020	35	30	Operational	Compliance	
11	Ahmedabad Arvind Mill	8	8	Operational	Compliance	
12	Ahmedabad Rasala	1	1	Operational	Not in operation during site visit	
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Site not visited	Only obtained ID, Not applied for CTE/CCA
14	Ahmedabad V S Hospital	1	1	Operational	Compliance	
15	Ahmedabad Nikol	0.5	0.5	Operational	Details not available	
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Compliance	
17	Ahmedabad Lambha	5	2	Operational	Details not available	
18	Surat Singanpore 2003/2014	155	147.58	Operational	Compliance	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
19	Surat Karanj 1999/2015	140	136.59	Operational	Site not visited	
20	Surat Bhatar 1999/2014/2017	162	162	Operational	Site not visited	
21	Surat Anjana 1995/2007/2019	122	121	Operational	Site not visited	
22	Surat Bamroli 2008/2019	100	100	Operational	Non Compliance	SCN-591844
23	Surat Bhesan 1995/2009/2020	200 (100 existing + 100 proposed expansion)	120.52	Operational	Site not visited	
24	Surat Khajod 2011	25	24.20	Operational	Site not visited	
25	Surat Asarama 2011	15	15	Operational	Non Compliance	SCN-591208
26	Surat Dindoli 2012/2019	167	72.50	Operational	Site not visited	
27	Surat Variav-Kosad 2012/2017	134	131	Operational	Compliance	
28	Surat Gavier 2016	53	16	Operational	Non Compliance	SCN-589968
29	Vadodara Tarsali	52	58	Operational	Non Compliance	SCN-591157
30	Vadodara Gajarawadi	66	72	Operational	Non Compliance	SCN-591155
31	Vadodara Kapurai	43	50	Operational	Non Compliance	SCN-591156
32	Vadodara Rajivnagar	78	55	Operational	Compliance	
33	Vadodara Sayaji garden	8.5	7	Operational	Non Compliance	
34	Vadodara Channi	21	21	Operational	Non Compliance	SCN-590935
35	Vadodara Atladara (old)	43	51	Operational	Non Compliance	SCN-28/05/2021
36	Vadodara Atladara (new)	43	43	Operational	Non Compliance	SCN-28/05/2021

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
37	Gandhinagar Jaspur 2007	76	45	Operational	Non Compliance	SCN-589724
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Non Compliance	
39	Gandhinagar Basan 2011-12	2	1.0	Operational	Non Compliance	SCN-590220
40	Rajkot Nr Raiya village 2010	51	45	Operational	Site not visited	
41	Rajkot Raiyadhar 2017	56	35	Operational	Compliance	
42	Rajkot Nr Madhapar 2018	44.5	16	Operational	Non Compliance	
43	Rajkot Nr Kothariya Village 2017	15	9	Operational	Non Compliance	
44	Rajkot Gavaridad 2018	70	35	Operational	Non Compliance	
45	Rajkot Madhapar 2019	80	30	Operational	Non Compliance	SCN-5858200
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Site not visited	
47	Bhavnagar Behind Excel industries	45	40	Operational	Site not visited	
48	Jamnagar Navagam Ghed	70	70	Operational	Site not visited	
49	Gandhidham - Anjar	30.00	22	Operational	Site not visited	
50	Patan	25.00	13	Operational	Site not visited	
51	Nadiad	51.26	20	Operational	Not in operation	
52	Siddhpur	5.62	5	Operational	Oxidation pond	
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond	
54	Sanand	20.50	0	Non - Operational	Site not visited	
55	Himmatnagar	17.51	6	Operational	Site not visited	
56	Petlad	10.37	8	Operational	Non Compliance	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
57	Dholka	13.60	8	Operational	Non Compliance	
58	Savarkundla	13.90	5	Operational	Oxidation pond	
59	Gadhda	6.50	2	Operational	Oxidation pond	
60	Kathlal	3.80	2.59	Operational	Oxidation pond	
61	Mahudha	2.10	1.76	Operational	Oxidation pond	
62	Bayad	4.00	2.06	Operational	Oxidation pond	
63	Patadi	2.80	1.33	Operational	Oxidation pond	
64	Sojitra	2.30	2	Operational	Oxidation pond	
65	Dwarka	7.50	2.28	Operational	Site not visited	Not obtained CTE/CCA
66	Godhra	27.60	4	Operational	Site not visited	
67	Bhuj	23.70	19	Operational	Non Compliance	Not obtained CTE/CCA
68	Bhachau	10	4	Operational	Non compliance	Not obtained CTE & CCA
69	Anand (Lambhvel)	33	9	Operational	Compliance	Not obtained CTE/CCA
70	Anand (TP-8)	13.5	2.5	Operational	Non Compliance	SCN-589391
71	Surendranagar	32.3	17	Operational	Compliance	
72	Valsad-1	20.2	2	Operational	Not in operation during site visit	
73	Morbi	28.8	6	Operational	Non Compliance	
Total		3598.86	2915.91			

New STPs under trail run.

74	Jasdan	8.80	4.0	Under trial run	
75	Tharad	4.80	2.5	Under trial run	
76	Dehgam	7.60	4.0	Under trial run	
77	Dhangadhra	11.60	1.04	Under trial run	
78	Porbandar	19.10	3.0	Under trial run	
79	Bardoli	11.30	0.0	Under trial run	
80	Vyara	6.50	1.50	Under trail run	
Total		69.7	16.04		

CTE: Consent to Establish, CC&A: Consolidated Consents and Authorization.

Annexure-I (B)

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1.	Ahmedabad Vinzol	100	95%	Completed	31/08/2021
2.	Ahmedabad Pirana	155	93%	Completed	31/08/2021
3.	Ahmedabad Maleksaban	30	30%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	02%	Completed	31/12//2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	SuratSinganpore	100	98%	Completed	31/07/2021
7.	SuratBhatar	115	74%	Completed	31/07/2021
8.	SuratBamroli	115	77%	Completed	28/02/2022
9.	SuratAsarma	22.5	54%	Completed	05/04/2022
10.	SuratKhajod	30	36%	Completed	30/11/2021
11.	Vadodara Kapurai	60	78%	85%	31/12/2021
12.	Vadodara Chhani	50	40%	Completed	31/12/2021
13.	Vadodara Bhayli	45	45%	Completed	28/02/2022
14.	Vadodara Sayaji garden	7.5	65%	Completed	28/02/2022
15.	Rajkot Kothariya, on NH bypass	15	25%	Completed	07/09/2021
16.	Bhavnagar Axcel Industries	50	42%	Completed	31/05/2022
17.	JunagadhBilkha Road, Near CBSE School	8.2	70%	Completed	03/09/2021
18.	Rajula	5.70	13%	Completed	31/10/2021
19.	Bagasara	5.90	14%	Completed	31/10/2021
20.	Chalala	2.80	90%	Completed	31/08/2021
21.	Mahuva	16.30	90%	Completed	31/08/2021
22.	Talaja	5.80	80%	Completed	31/08/2021
23.	Una	11.70	96%	Completed	31/08/2021
24.	Bantva	2.60	98%	Completed	31/08/2021
25.	Mansa	5.00	45%	Completed	31/08/2021
26.	Dhanera	4.00	48.00%	Completed	15/11/2021
27.	Bhabhar	3.50	45%	Completed	25/09/2021
28.	Thara	3.60	45%	Completed	15/11/2021
29.	Kadi	12.80	55%	Completed	05/09/2021
30.	Unjha	11.60	81%	Completed	31/08/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
31.	Visnagar-1	12.00	97.00%	Completed	31/07/2021
32.	Visnagar-2	5.30	75%	Completed	31/08/2021
33.	Kheralu	2.90	90%	Completed	10/11/2021
34.	Vijapur	4.10	50%	Completed	10/11/2021
35.	Radhanpur	6.00	15%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	13/06/2022
36.	Idar	7.40	91.00%	Completed	31/08/2021
37.	Khedbrahma	5.80	91.00%	Completed	31/08/2021
38.	Prantij	3.70	91%	Completed	31/08/2021
39.	Talod	3.60	17%	Completed	30/10/2021
40.	Vadali	3.80	5%	Completed	30/10/2021
41.	Jambusar	5.90	62%	Completed	16/10/2021
42.	Amod	3.10	62%	Completed	16/10/2021
43.	Bilimora	8.30	15%	Completed	04/03/2022
44.	Gandevi	2.60	20%	Completed	31/03/2022
45.	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
46.	Dharampur	4.10	62%	Completed	31/08/2021
47.	Borsad	9.80	95%	Completed	31/08/2021
48.	Umreth	6.10	61%	Completed	25/08/2021
49.	Dahod	13.70	98.00%	Completed	31/07/2021
50.	Zalod	4.60	95%	Completed	31/07/2021
51.	Devgadhbariya	3.80	79%	Completed	31/07/2021
52.	Santrampur	2.91	41%	Completed	21/09/2021
53.	Kalol (P)	4.77	55%	Completed	09/09/2021
54.	Shehra	2.80	26%	Completed	30/09/2021
55.	Chhotaudepur	5.00	96%	Completed	31/07/2021
56.	Padra	5.60	82%	Completed	20/08/2021
57.	Viramgam	4.50	85%	Completed	31/08/2021
58.	Bavla	5.80	35%	Completed	12/12/2021
59.	Dhandhuka	7.50	95%	Completed	31/07/2021
60.	Bareja	3.10	85%	Completed	31/07/2021
61.	Chaklasi	4.90	0.00%	Completed	31/03/2022
62.	Kapadwanj	6.20	32%	Completed	10/12/2021
63.	Mehmdabad	5.60	60%	Completed	17/11/2021
64.	Dakor	4.90	32%	Completed	10/12/2021
65.	Kheda	5.20	43%	Completed	17/11/2021
66.	Chotila-1	2.30	22%	Completed	30/09/2021
67.	Chotila-2	1.70	15.00%	Completed	30/09/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
68.	Wadhwan	12.10	0.00%	Completed	31/03/2022
69.	Barwala	2.90	14%	Completed	17/09/2021
70.	Harij	3.00	60%	Completed	31/12/2021
71.	Chanasma	2.50	0.00%	Completed	31/12/2021
72.	Ode	2.50	35%	Completed	09/09/2021
73.	Karjan	5.20	30%	Completed	09/12/2021
74.	Vadnagar	5.94	95.00%	Completed	30/09/2021
75.	Botad	32.00	86.00%	Completed	31/07/2021
76.	Morbi-2	9.30	95%	Completed	31/07/2021
77.	Jetpur	23.50	95%	Completed	31/07/2021
78.	Gondal	16.50	55%	Completed	30/09/2021
79.	Amreli	18.20	77.00%	Completed	31/07/2021
80.	Kalol	23.50	16.00%	Completed	30/06/2022
81.	Palanpur	21.30	3.00%	95%	30/06/2022
82.	Deesa	17.00	70.00%	Completed	30/09/2021
83.	Bharuch	29.32	82.00%	90%	30/09/2021
84.	Vapi-1	14.00	55.00%	Completed	30/09/2021
85.	Anand-3	6.50	95%	Completed	31/08/2021
86.	Porbandar-1	12.80	82.00%	Completed	31/08/2021
87.	Damnagar	2.80	0.00%	Completed	11/02/2022
88.	Lathi	3.80	0.00%	Completed	11/02/2022
89.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1536.64			

New STPs for which work order given.

90.	Bhavnagar Akwada	19.2	7%	Completed	31/12/2022
91.	Anklav	3.60	20%	Completed	04/03/2022
92.	Khambhat-1	6.80	2%	Completed	04/06/2022
93.	Khambhat-2	4.50	2%	Completed	04/06/2022
94.	Thangadh	9.00	0.00%	Completed	07/06/2022
95.	Balasinor	6.50	2%	Completed	22/04/2022
96.	Savli	2.5	5%	Completed	18/04/2022
97.	Dabhoi	8.96	1%	Completed	18/04/2022
98.	Kanjari	3.3	16%	Completed	18/04/2022
99.	Halvad	6.7	0.00%	Completed	17/07/2022
100.	Rajpipla	5.02	5%	Completed	17/07/2022
101.	Pardi	4.60	0.0%	Completed	14/06/2022
102.	Mandvi Surat	3.50	0.0%	Completed	15/06/2022
103.	Ankleshwar	14.0	0.0%	Completed	15/09/2022
104.	Umargam	6.48	0.0%	Completed	14/09/2022
105.	Karamsad	7.0	0.0%	Completed	14/09/2022
106.	Boriavi	3.30	2%	Completed	14/09/2022
107.	Lunavada	5.60	0.0%	Completed	16/09/2022

108.	Palitana	10.81	0.0%	Completed	31/03/2022
Total		131.37			

Total STPs under construction: 1536.64+131.37=1668.01 MLD

Annexure-I (C)

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1.	Ahmedabad Dafnala	25	LOI Given	31/12/2022
2.	Vadodara Tarsali	100	Revised DPR under scrutiny	31/12/2022
3.	Vadodara Atladara	83	Tender to be re- invited	31/12/2022
4.	Vadodara Gajarawadi	93	Revised DPR under scrutiny	31/12/2022
5.	GandhinagarSargasan	50	LOI Given	31/12/2022
6.	Jamnagar Nr Rangmati River	50	DPR Stage	31/12/2022
7.	Junagadh Kalva	15.50	Work order given	31/12/2022
8.	Junagadh Zanzarda	11.00	Work order given	31/12/2022
9.	Junagadh near Lol river	29.50	Work order given	31/12/2022
10.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
11.	Bhanvad	3.00	Tender under approval	31/03/2022
12.	Visavadar	3.40	Tender recently approved	31/03/2022
13.	Lunawada	5.60	Tender under approval	31/03/2022
14.	Okha	10.10	Tender under approval	31/03/2022
15.	Beyt (near Okha)	1.20	Tender under approval	31/03/2022
16.	Khambhalia	5.50	Tender under approval	31/03/2022
17.	Salaya, Jamnagar	6.20	Tender under approval	31/03/2022
18.	Jamjodhpur	3.60	Tender recently approved	31/03/2022
19.	Wankaner	5.80	Tender recently approved	31/03/2022
20.	Chhaya	13.10	Tender under approval	31/03/2022
21.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
22.	Veraval- Patan	33.90	Tender to be invited	31/03/2022
23.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
24.	Babra	4.00	Under Tender evaluation	31/12/2022

25.	Kodinar	5.60	Under Tender evaluation	31/12/2022
26.	Sutrapada	4.00	Tender tobe invited	31/12/2022
27.	Talala	3.80	Under Tender evaluation	31/12/2022
28.	Chorvad	3.70	Tender recently approved	31/12/2022
29.	Halol	11.60	Tender to be invited	31/12/2022
30.	Thasra	2.30	Tender to be invited	31/12/2022
31.	Mandvi-2 (Salaya)	3.20	Tender to be invited	31/12/2022
32.	Mandvi-1 (JT Grounds)	5.30	Tender to be invited	31/12/2022
33.	Jamraval	2.60	Tender to be invited	31/12/2022
34.	Dhrol	3.60	Under tender evaluation.	31/12/2022
35.	Kalavad	4.50	Tender under approval	31/12/2022
36.	Maliya	2.50	Tender to be invited	31/12/2022
37.	Kutiyana	2.90	Tender under approval	31/12/2022
38.	Ranavav-1 (Adityana)	3.00	Tender under approval	31/12/2022
39.	Ranavav-2	4.50	Tender under approval	31/12/2022
40.	Dhoraji	12.90	Tender recently approved	31/12/2022
41.	Bhayavadar	3.10	Tender to be invited	31/12/2022
42.	Manavadar	4.90	Tender recently approved	31/12/2022
43.	Pethapur	3.80	DPR stage	30/06/2022
44.	Sikka	2.90	Tender recently approved	31/12/2022
45.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
46.	Mahesana-1	23.18	Under Tender evaluation	31/03/2022
47.	Mahesana-2	18.46	Under Tender evaluation	31/03/2022
48.	Jafrabad	5.4	Tender online	31/12/2022
49.	Gariyadhar	7.1	Under Tender evaluation	31/12/2022
50.	Shihor	8.9	Under Tender evaluation	31/12/2022
51.	Mangrol	9.6	DPR/DTP stage	31/12/2022
52.	Vanthli	2.2	DPR/DTP stage	31/12/2022
53.	Modasa	12.0	Under Tender evaluation	31/12/2022
54.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
55.	Songadh	4.5	Tender recently approved	31/12/2022
56.	Limdi	7.4	DPR/DTP stage	31/12/2022
57.	Bhachau	1.0	Tender under approval	31/12/2022
58.	Rapar	5.2	Under tender	31/12/2022

			evaluation.	
59.	Upleta	8.9	DPR/DTP stage	31/12/2022
60.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		856.57		

Newly proposed STPs.

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
61.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
62.	Gandhinagar Bhat	30	DPR Stage	31/12/2022
63.	Rajkot Raiyadhar	8.0	Tender online	31/12/2022
Total		98		

Total of Proposed STPs= 856.57+98=954.57 MLD

Annexure-II

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river

Annexure-II (A)

Progress/Status Report of the River/PRS water quality monitoring for the Month May - 2021:

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
03-05-2021	River Mindhola	6.4	8.17	2.4	15	540	>1600

Annexure-II(B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River:

Location: - BOREWELL AT SACHIN GIDC (SIEL)

Date	%NA	ALK	BOD	CAL	CHL	CND	COD	COL	DOX	FDS	FLU	MAG	NAA	NH3	NTR	pH	PHO	POT	SOD	SS	SUP	T.H	TCO	TDS	TKN	TMP	TUR
01/04/2021	28.2	260	1.2	116.2	2424	8704	13	<5	-	-	0.42	143.5	2.34	1.1	0.7	7.75	0.15	5.3	519	8	119	880	<2	5308	2.2	31	1

Location: - BOREWELL AT NR COMMON HAZ WASTE DSPO.SITE(GEPIL)

Date	%NA	ALK	BOD	CAL	CHL	CND	COD	COL	DOX	FDS	FLU	MAG	NH3	NTR	pH	PHO	POT	SOD	SS	SUP	T.H	TCO	TDS	TKN	TMP	TUR
01/04/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

- **Note – Bore well closed.**

Location : - OPEN WELL AT GABHENI OPP: PANCHYAT OFFICE

Date	%NA	ALK	BOD	CAL	CHL	CND	COD	COL	DOX	FDS	FLU	MAG	NH3	NTR	pH	PHO	POT	SOD	SS	SUP	T.H	TCO	TDS	TKN	TMP	TUR
01/04/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

- **Note – Bore well closed.**

Annexure-II (C)

Drains Details with Flow:

Sr.No.	Location	Name of Inletting River/Drain	Discharged	
			Max	Min
1	Sachin Notified area	Kapletha village drain meeting River Mindhola	1.6 MLD	0.5 MLD

Note: Entire Baleshwar Khadi is meeting to River Mindhola at village Samrod as major drain. Polluted River action plan of Baleshwar Khadi is prepared and submitted separately.

Annexure-II (D)

STP & CETP results:

No Sewage treatment in this River stretch – Existing STP details – NA
No Industrial waste water discharge into this River stretch – Existing CETPs details - NA

Annexure-III

XVII. Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date

Sr.No	River name	Details/Status
1	Mindhola	1. Environmental flow: • NA 2. Detail of Good Irrigation Practices: • General Government practice of irrigation is maintained in command area of Ukai - kakrapar Project. • Farmers are made aware to use water optimally. • Canal system of Kakrapar Project are most of lined so as to minimize seepage losses. As such not water logging issued noticed so far in the command area of Ukai-Kakrapar project. 3. Detail on Flood Plain Management Zone: • NA

Annexure-IV

Details w.r.t point no. XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/ River	Existing plantation / vegetation cover details	Proposed plan to cover remaining gap along river/river stretch	Time limit	Remarks
Mindhola (Along sachin)	1250 trees	0.05 lacs Plantation to be done in 2020-2021	2020-2021	As per AAP (Annexure A) for both side plantation on PRS during 2020-21.

Annexure – A

List of Polluted River Stretches of Gujarat (River Both side Plantation AAP in 2020-21)		
Sr. No.	River	Plants (In lakhs)
1.	Sabarmati	1.54
2.	Bhadar	0.20
3.	Amlakhadi	0.10
4.	Bhogavo	0.60
5.	Khari	0.02
6.	Vishwamitri	0.15
7.	Dhadhar	1.10
8.	Triveni	0.10
9.	Amravati	0.10
10.	Damanganga	0.25
11.	Kolak	0.25
12.	Mahi	0.20
13.	Shedhi	0.15
14.	Tapi	0.35
15.	Anas	0.05
16.	Baleshwar Khadi	0.02
17.	Kim	0.02
18.	Meshwo	0.40
19.	Mindhola	0.05
20.	Narmada	0.45
Total		6.10

Plantation of **6.91** lakh trees have been carried out on both the sides of polluted river stretches against the action plan for planting 6.10 lakh trees

Annexure-V

Details received from concerned department regarding reuse of treated wastewater

Treated waste water utilization policy:

- Gujarat Government has framed Policy for Reuse of "Treated Waste Water (TWW)" by maximising the collection and treatment of sewage generated and reusing the treated wastewater on a sustainable basis. In this regards, revised action plan has been submitted by Gujarat Water Supply and Sewerage Board (GWSSB) to Chairman, CPCB where one of the objectives of the revised action plan is to reuse 70% of treated wastewater by 2025 and 100% of treated wastewater by 2030.
- As per the details received from Gujarat Water Supply & Sewerage Board, Latest status of Treated waste water reuse in the State is as under:

	Status		
	TWW reuse started (MLD)	TWW reuse projects in tender/execution stage (MLD)	TWW reuse under planning (MLD)
Municipal Corporations	623.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**646.68**	**250**	**790.4**

Annexure-VI

Non-Complying / Partially non-complying CETPs
April- 2021

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	508
		BOD	30	42
2.	M/s. Odhav Enviro Project Ltd., Odhav, Ahmedabad	COD	250	407
		BOD	30	39
3.	M/s. Gujarat Vepari Maha Mandal Sahkari Udhyogik Vasahat Ltd, Ahmedabad	NH3-N	50	80.5
4.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	BOD	30	31
		NH3-N	50	130.2
5.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	420
		BOD	30	35
		SS	100	118
6.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	COD	250	1697
		BOD	30	321
		SS	100	326
7.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	891
		SS	100	156
		NH3-N	50	63.14
8.	M/s. Vinayak Jal SudhikaranSahakariMandali Ltd, Bavla, Ahmedabad	SS	100	164
9.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	138
10.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar.	COD	500	942
		NH_3-N	50	137.2
11.	M/s. Panoli Enviro Technology Ltd., GIDC-Panoli, Bharuch	SS	150	280
12.	M/s. Gujarat Eco Textile Park Pvt. Ltd, Palsana, Surat	SS	<60	98
13.	Vapi Green Enviro Ltd (VGEL, Vapi) (Old Name-Vapi Waste & Effluent Management Co. Ltd) (GPCB ID: 24764)	NH_3-N	50	80.5

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
14.	M/s. Sarigam Clean Initiative (Old Name-Gujarat Industrial Development Corporation), Sarigam.	SS	100	110
15.	M/s Jetpur Dying & Printing Association, Jetpur, Rajkot	COD	250	664
		BOD	100	212
16.	M/s. Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	151
		BOD	30	49
17.	M/s. Jay Khodiyar Enviro-Technologies Pvt. Ltd., Rajkot	PH	6.5 to 8.5	8.72
18.	M/s CETP of Dahej Industrial Estate	COD	250	544
		NH3-N	50	112

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Gujarat
Monthly Progress Report of PRS Narmada for May - 2021.

Overall status of the State:

I. Total Population: Urban Population – 2,57,45,083, Rural Population – 3,46,94,609 (Census - 2011)

II. Estimated Sewage Generation (MLD):4003 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): 73 nos, 3485 MLD
  [7 under construction STPs are now complete and are now under trial run i.e additional 183.56 MLD]
- Capacity Utilization of existing STPs: 2739 MLD
  [additional utilization capacity as on May 2021 – 192.95 MLD from existing + newly commissioned STPs]
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
  [334.44 MLD - Gap considering 3668.56 MLD treatment capacity i.e 3485 MLD + 183.56 MLD]
- No. of Operational STPs: 73 [80 as on May 2021]
- No. of Complying STPs: 15
- No. of Non-complying STPs: 27 (including STPs not obtained CTE & CCA)
- ULBs having Oxidation ponds: 9
- Site of the STPs not visited: 17
- STPs not in operation during the site visit:3
- Details of STPs not available: 2
- STPs just commissioned / under trial run: 7
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 16, ➢ Non complying: 18 (Please refer Annexure VI) *(as per CM dash board data for **April-2021**, available on Board's website)

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Gujarat	44143	Not available	Out of 12815 water polluting industries 12700 industries having ETP. 12551 ETPs are complying with norms.	Existing CETPs : 34 Propose/Under construction/under expansion: 19

V. Solid Waste Management:

Particulars	Data
Total number of Urban Local Bodies and their population	162
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF	• There are total No. 755 of Plants for Vermi / Aerobic/ anaerobic Composting of installed processing capacity 7477 TPD. • There are 232 plants Material Recovery Facilities (MRF) with processing capacity of 5441.93 TPD installed capacity. • There are 5 plants of RDF with processing of 1390.25 TPD. • Biogas 29 plants with capacity of 1086 TPD.
Action plan to bridge gap between installed capacity and current utilization of processing facilities (if gap > 20%)	Gap is less than 20% hence not applicable.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	There are 2 Processing plants C & D Waste with processing capacity of 1300 TPD.
Total no. of wards: no. of wards having door to door collection service: no. of wards practicing segregation at source falling into PRS:	1418 1418 Information not available
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Information not available
No. and area (in acres) of uncontrolled garbage dumpsites and sanitary landfills.	Information not available
No. and area (in acres) of legacy waste within 1km. buffer on both side of the PRS	Information not available
No. of drains falling into PRS and no. of drains having floating racks/screens installed to prevent solid waste from falling into PRS	Not provided, however in-situ remediation at Ankleshwar and Kheda municipalities are under implementation. It will be commenced in all 7 municipalities related to PRS within one month after positive results of technology.

Status of ULB wise Management of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Existing MSW facilities	Utilization Capacity of the existing MSW facilities	Proposed MSW Facilities & Completion Timeline
Details are being prepared.					

VI. Bio-medical Waste Management:

- Total Bio-medical generation(Related to entire State): 36.42 MT/day

  Total Bio-medical generation(Related to PRS): 27.54 MT/day
- No. of Hospitals and Health Care Facilities(Related to entire State): 31286

  No. of Hospitals and Health Care Facilities(Related to PRS): 28399

- Status of Treatment Facility/ CBMWTF(Related to entire State)
  : Existing – 20, Proposed – 1
  Capacity – 126 MT/day

  Status of Treatment Facility/ CBMWTF(Related to PRS): Existing – 16
  Capacity – 108 MT/day

Hazardous Waste Management:

- Total Hazardous Waste generation: 2.5 to 2.7 MMT as per HW inventory which includes landfill, incineration, recycling and co-processing. (It depends upon the industrial operation of the year)
- No. of Industries generating Hazardous waste: About 19683 as per HW inventory 19-20
- Treatment Capacity of all TSDFs: Total installed capacity about 8626332 MT
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated: 1.3 MMT as per HW inventory 19-20
- Details of on-going or proposed TSDF: 7 nos. proposed TSDF having total installed capacity about 36 lac MT

VII. Plastic Waste Management:

- Total Plastic Waste generation: 408201.08 TPA (April 2019-March 2020)
- Treatment/ Measures adopted for reduction or management of plastic waste:

Disposal of Plastic Waste through	Co-processing	109157.435 MT (from April 2019 to August 2020)
	Recycler	Total no. recycling units: 597 Capacity of recycling plastic waste: 11,13,526.56 MT/Y
	Refuse Derived Fuel	MSW units : 2 Quantity of final product sold is 129,575 MT/Annum containing 7 % of plastic waste i.e. 9071 MT/Annum (April 2019-March 2020)
	Pyrolysis	Total no. of operational units: 2 Cap. to convert plastic waste into oil: 5075 TPA Plastic used as raw material: 600 MT/M

VIII.	Details of Alternate Treatment Technology being adopted by the State/UT:
-Ahmedabad & Vadodara Municipal Corporations have set up dry sewage sludge hygienisation Cobalt – 60 gamma irradiation plant. (Ahmedabad Municipal Corporation - 100	

tonnes per day) - Legacy waste treatment at Pirana dumping site, Ahmedabad.	
IX.	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment:
Identification of polluting sources including drains contributing to river pollution is already completed and submitted in the PRS action plan. Proposal not received from PRH & RDD/ Concerned for in-situ remediation.	
X.	Details of Nodal Officer appointed by Chief Secretary in the State/UT:
In compliance to the direction of Hon'ble NGT with reference to set up of Monitoring Mechanism, Deputy Environmental Engineer (ShriT.C.Patel) has been deputed vide letter dated 10.06.2020 at Chief Secretary office to look after the Hon'ble NGT matters.	
XI.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
All NGT matters are being reviewed regularly under chairmanship of Hon'ble CS.Total 2 review meetings are conducted so far under the chairmanship of Hon'ble CS to monitor the progress with reference to the action plans submitted w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 673/2018and to resolve various issues/non -compliances. Last meeting was convened on 10/09/2020 under the chairmanship of Hon'ble Chief Secretary Gujarat State. Two review meetings have been convened so far w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 606/2018 which also includes the review of matters related to O.A. No.:-673/2018.	
XII.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;
Details are attached as **Annexure – II**	
XIII.	Ground water regulation:
GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" Final comments /suggestions were sought by GWRDC vide letter dated 02/11/2020 from concerned departments for finalization of the draft bill. Seven meetings of sub-committee have been convened so far for finalization of the draft bill. The final draft bill was approved by the sub-committee during the meeting held on 12/11/2020 as per the minutes of meeting. The final draft of the bill has been submitted to the Chairman of the Committee and Special Secretary, (WR), Narmada Water Resource, Water Supply &Kalpsar department, Govt. of Gujarat, for	

consideration in the main committee meeting.	
XIV.	Good irrigation practices being adopted by the State:
XV.	Rain Water Harvesting:
XVI.	Demarcation of Floodplain and removal of illegal encroachments:
XVII.	Maintaining minimum e-flow of river:
Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date is attached as **Annexure – III.**	
XVIII.	Plantation activities along the rivers:
Details w.r.t point no. XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date is attached as **Annexure – IV**	
XIX.	Development of biodiversity park:
As per the information received from GBB, vide letter dated 24.04.2020, Forest Dept. has established a very rich Botanical Garden at Waghai, Dangs. It also has a chain of Research Stations, Germ Plasms Banks, Provenance Banks, Sample Plots, Preservation Plots spread all over the State. Many working plans have Conservation or Preservation Working Circles for the express purpose of Biodiversity Conservation. The National Working Pan Code 2014 also mandates a Biodiversity Conservation Working Circle. All plans coming up for revision now shall have a Biodiversity Conservation Working Circle. Besides a host of Biodiversity based activities like Cactus Park, Ekta Van, Ekta Nursery, and Nutritional Park etc., have come up at Statue of Unity. Moreover, Shakkarbaug Zoo is an "A" Category zoological park along with many other zoological parks at Rajkot, Ahmedabad, Gandhinagar, Vadodara, Surat, Kevadiya etc. All these are repositories of biodiversity. Therefore, these may be treated as a Biodiversity park is totality. GBB informed during the meeting held on 04/02/2020 at GPCB with PRS Assessment Team nominated by Ministry of Jal Shakti about proposal sent by them to CAMPA for funding of around Rs. 5 Crore for the development of Biodiversity Park. Team suggested tying up with AMC as they already have some plan to develop Biodiversity park at Khari under NRCP.	
XX.	Reuse of Treated Water:
Details are attached as **Annexure – V**	
XXI.	Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:
River Sabarmati has been selected as model river stretch during the 9thRRC meeting held on 27.11.2020.	

XXII.	Status of Preparation of Action Plan by the 13 Coastal States:

Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms.

STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.

XXIII.	Regulation of Mining Activities in the State/UT:

Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.

XXIV.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring

- Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 .
- Number of closure directions to defaulting units under section 31 A of Air Act – 1981: 5703 respectively.
- Number of notice of directions to defaulting units under section 33 A of Water Act – 1974: 17263.
- Number of closure directions to defaulting units under section 33 A of Water Act – 1974: 11383.
- Number of notice of directions under rule 4(2) of the EPAct – 1986 read with Hazardous Waste (Management, Handling &Transboundary) Rules – 2008: 4130
- Number of closure directions under section 5 of the EPAct – 1986 read with Hazardous Waste (Management, Handling &Transboundary) Rules – 2008: 1583

(As per Annual report – 2018-19)

***Note: Incremental progress made by the State/UT in each activity to be provided.**

RRC meetings:

RRC meetings are regularly being held at GPCB, Gandhinagar to review the progress and the minutes of the meeting having progress status, is regularly submitted to CPCB. Last RRC (9^{th} RRC) meeting was conducted on 27/11/2020. Following are the gist of main points discussed during the meeting:

- Concerned departments / authorities/ organizations were asked to submit proposals with elongated /revised timeline for completion of the projects with the justification
- Concerned departments / authorities/ organizations were asked to furnish details of incremental progress of the projects & activities proposed under the Action Plans of Polluted River Stretches
- All the concerned Municipal Corporations & Nagapalikas were asked to submit the list of STPs not complying with the norms and proposals for up-gradation of the STPs not complying with the norms along with the timeline for completion of the same.
- GWSSB was asked to submit STP wise progress of land issues on monthly basis to RRC and GPCB.
- River Sabarmati has been selected as model river stretch.

STPs:

There is no discharge of domestic wastewater from any Municipal Corporation (city) or Municipality (town) in this river stretch.

CETPs:

No Industrial wastewater discharge into this river stretch

Annexure-I (A)

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
1	Ahmedabad Pirana 2009	60	60	Operational	Non Compliance	
2	Ahmedabad Old Pirana 2004	106	106	Operational	Non Compliance	SCN-587981
3	Ahmedabad Pirana 2009	180	180	Operational	Non Compliance	
4	Ahmedabad Vasna 2004	126	126	Operational	Non Compliance	
5	Ahmedabad Vasna 2009	35	35	Operational	Compliance	
6	Ahmedabad Vasna 2011	240	235	Operational	Compliance	
7	Ahmedabad Vinzol 2011	70	70	Operational	Compliance	
8	Ahmedabad Vasna 2018	48	48	Operational	Compliance	
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Compliance	
10	Ahmedabad Vinzol 2020	35	30	Operational	Compliance	
11	Ahmedabad Arvind Mill	8	8	Operational	Compliance	
12	Ahmedabad Rasala	1	1	Operational	Not in operation during site visit	
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Site not visited	Only obtained ID, Not applied for CTE/CCA
14	Ahmedabad V S Hospital	1	1	Operational	Compliance	
15	Ahmedabad Nikol	0.5	0.5	Operational	Details not available	
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Compliance	
17	Ahmedabad Lambha	5	2	Operational	Details not available	
18	Surat Singanpore 2003/2014	155	147.58	Operational	Compliance	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
19	Surat Karanj 1999/2015	140	136.59	Operational	Site not visited	
20	Surat Bhatar 1999/2014/2017	162	162	Operational	Site not visited	
21	Surat Anjana 1995/2007/2019	122	121	Operational	Site not visited	
22	Surat Bamroli 2008/2019	100	100	Operational	Non Compliance	SCN-591844
23	Surat Bhesan 1995/2009/2020	200 (100 existing + 100 proposed expansion)	120.52	Operational	Site not visited	
24	Surat Khajod 2011	25	24.20	Operational	Site not visited	
25	Surat Asarama 2011	15	15	Operational	Non Compliance	SCN-591208
26	Surat Dindoli 2012/2019	167	72.50	Operational	Site not visited	
27	Surat Variav-Kosad 2012/2017	134	131	Operational	Compliance	
28	Surat Gavier 2016	53	16	Operational	Non Compliance	SCN-589968
29	Vadodara Tarsali	52	58	Operational	Non Compliance	SCN-591157
30	Vadodara Gajarawadi	66	72	Operational	Non Compliance	SCN-591155
31	Vadodara Kapurai	43	50	Operational	Non Compliance	SCN-591156
32	Vadodara Rajivnagar	78	55	Operational	Compliance	
33	Vadodara Sayaji garden	8.5	7	Operational	Non Compliance	
34	Vadodara Channi	21	21	Operational	Non Compliance	SCN-590935
35	Vadodara Atladara (old)	43	51	Operational	Non Compliance	SCN-28/05/2021
36	Vadodara Atladara (new)	43	43	Operational	Non Compliance	SCN-28/05/2021

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
37	Gandhinagar Jaspur 2007	76	45	Operational	Non Compliance	SCN-589724
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Non Compliance	
39	Gandhinagar Basan 2011-12	2	1.0	Operational	Non Compliance	SCN-590220
40	Rajkot Nr Raiya village 2010	51	45	Operational	Site not visited	
41	Rajkot Raiyadhar 2017	56	35	Operational	Compliance	
42	Rajkot Nr Madhapar 2018	44.5	16	Operational	Non Compliance	
43	Rajkot Nr Kothariya Village 2017	15	9	Operational	Non Compliance	
44	Rajkot Gavaridad 2018	70	35	Operational	Non Compliance	
45	Rajkot Madhapar 2019	80	30	Operational	Non Compliance	SCN-5858200
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Site not visited	
47	Bhavnagar Behind Excel industries	45	40	Operational	Site not visited	
48	Jamnagar Navagam Ghed	70	70	Operational	Site not visited	
49	Gandhidham - Anjar	30.00	22	Operational	Site not visited	
50	Patan	25.00	13	Operational	Site not visited	
51	Nadiad	51.26	20	Operational	Not in operation	
52	Siddhpur	5.62	5	Operational	Oxidation pond	
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond	
54	Sanand	20.50	0	Non - Operational	Site not visited	
55	Himmatnagar	17.51	6	Operational	Site not visited	
56	Petlad	10.37	8	Operational	Non Compliance	

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP	Remarks
57	Dholka	13.60	8	Operational	Non Compliance	
58	Savarkundla	13.90	5	Operational	Oxidation pond	
59	Gadhda	6.50	2	Operational	Oxidation pond	
60	Kathlal	3.80	2.59	Operational	Oxidation pond	
61	Mahudha	2.10	1.76	Operational	Oxidation pond	
62	Bayad	4.00	2.06	Operational	Oxidation pond	
63	Patadi	2.80	1.33	Operational	Oxidation pond	
64	Sojitra	2.30	2	Operational	Oxidation pond	
65	Dwarka	7.50	2.28	Operational	Site not visited	Not obtained CTE/CCA
66	Godhra	27.60	4	Operational	Site not visited	
67	Bhuj	23.70	19	Operational	Non Compliance	Not obtained CTE/CCA
68	Bhachau	10	4	Operational	Non compliance	Not obtained CTE & CCA
69	Anand (Lambhvel)	33	9	Operational	Compliance	Not obtained CTE/CCA
70	Anand (TP-8)	13.5	2.5	Operational	Non Compliance	SCN-589391
71	Surendranagar	32.3	17	Operational	Compliance	
72	Valsad-1	20.2	2	Operational	Not in operation during site visit	
73	Morbi	28.8	6	Operational	Non Compliance	
Total		3598.86	2915.91			

New STPs under trail run.

74	Jasdan	8.80	4.0	Under trial run	
75	Tharad	4.80	2.5	Under trial run	
76	Dehgam	7.60	4.0	Under trial run	
77	Dhangadhra	11.60	1.04	Under trial run	
78	Porbandar	19.10	3.0	Under trial run	
79	Bardoli	11.30	0.0	Under trial run	
80	Vyara	6.50	1.50	Under trail run	
Total		69.7	16.04		

CTE: Consent to Establish, CC&A: Consolidated Consents and Authorization.

Annexure-I (B)

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1.	Ahmedabad Vinzol	100	95%	Completed	31/08/2021
2.	Ahmedabad Pirana	155	93%	Completed	31/08/2021
3.	Ahmedabad Maleksaban	30	30%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	02%	Completed	31/12//2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	SuratSinganpore	100	98%	Completed	31/07/2021
7.	SuratBhatar	115	74%	Completed	31/07/2021
8.	SuratBamroli	115	77%	Completed	28/02/2022
9.	SuratAsarma	22.5	54%	Completed	05/04/2022
10.	SuratKhajod	30	36%	Completed	30/11/2021
11.	Vadodara Kapurai	60	78%	85%	31/12/2021
12.	Vadodara Chhani	50	40%	Completed	31/12/2021
13.	Vadodara Bhayli	45	45%	Completed	28/02/2022
14.	Vadodara Sayaji garden	7.5	65%	Completed	28/02/2022
15.	Rajkot Kothariya, on NH bypass	15	25%	Completed	07/09/2021
16.	Bhavnagar Axcel Industries	50	42%	Completed	31/05/2022
17.	JunagadhBilkha Road, Near CBSE School	8.2	70%	Completed	03/09/2021
18.	Rajula	5.70	13%	Completed	31/10/2021
19.	Bagasara	5.90	14%	Completed	31/10/2021
20.	Chalala	2.80	90%	Completed	31/08/2021
21.	Mahuva	16.30	90%	Completed	31/08/2021
22.	Talaja	5.80	80%	Completed	31/08/2021
23.	Una	11.70	96%	Completed	31/08/2021
24.	Bantva	2.60	98%	Completed	31/08/2021
25.	Mansa	5.00	45%	Completed	31/08/2021
26.	Dhanera	4.00	48.00%	Completed	15/11/2021
27.	Bhabhar	3.50	45%	Completed	25/09/2021
28.	Thara	3.60	45%	Completed	15/11/2021
29.	Kadi	12.80	55%	Completed	05/09/2021
30.	Unjha	11.60	81%	Completed	31/08/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
31.	Visnagar-1	12.00	97.00%	Completed	31/07/2021
32.	Visnagar-2	5.30	75%	Completed	31/08/2021
33.	Kheralu	2.90	90%	Completed	10/11/2021
34.	Vijapur	4.10	50%	Completed	10/11/2021
35.	Radhanpur	6.00	15%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	13/06/2022
36.	Idar	7.40	91.00%	Completed	31/08/2021
37.	Khedbrahma	5.80	91.00%	Completed	31/08/2021
38.	Prantij	3.70	91%	Completed	31/08/2021
39.	Talod	3.60	17%	Completed	30/10/2021
40.	Vadali	3.80	5%	Completed	30/10/2021
41.	Jambusar	5.90	62%	Completed	16/10/2021
42.	Amod	3.10	62%	Completed	16/10/2021
43.	Bilimora	8.30	15%	Completed	04/03/2022
44.	Gandevi	2.60	20%	Completed	31/03/2022
45.	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
46.	Dharampur	4.10	62%	Completed	31/08/2021
47.	Borsad	9.80	95%	Completed	31/08/2021
48.	Umreth	6.10	61%	Completed	25/08/2021
49.	Dahod	13.70	98.00%	Completed	31/07/2021
50.	Zalod	4.60	95%	Completed	31/07/2021
51.	Devgadhbariya	3.80	79%	Completed	31/07/2021
52.	Santrampur	2.91	41%	Completed	21/09/2021
53.	Kalol (P)	4.77	55%	Completed	09/09/2021
54.	Shehra	2.80	26%	Completed	30/09/2021
55.	Chhotaudepur	5.00	96%	Completed	31/07/2021
56.	Padra	5.60	82%	Completed	20/08/2021
57.	Viramgam	4.50	85%	Completed	31/08/2021
58.	Bavla	5.80	35%	Completed	12/12/2021
59.	Dhandhuka	7.50	95%	Completed	31/07/2021
60.	Bareja	3.10	85%	Completed	31/07/2021
61.	Chaklasi	4.90	0.00%	Completed	31/03/2022
62.	Kapadwanj	6.20	32%	Completed	10/12/2021
63.	Mehmdabad	5.60	60%	Completed	17/11/2021
64.	Dakor	4.90	32%	Completed	10/12/2021
65.	Kheda	5.20	43%	Completed	17/11/2021
66.	Chotila-1	2.30	22%	Completed	30/09/2021
67.	Chotila-2	1.70	15.00%	Completed	30/09/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
68.	Wadhwan	12.10	0.00%	Completed	31/03/2022
69.	Barwala	2.90	14%	Completed	17/09/2021
70.	Harij	3.00	60%	Completed	31/12/2021
71.	Chanasma	2.50	0.00%	Completed	31/12/2021
72.	Ode	2.50	35%	Completed	09/09/2021
73.	Karjan	5.20	30%	Completed	09/12/2021
74.	Vadnagar	5.94	95.00%	Completed	30/09/2021
75.	Botad	32.00	86.00%	Completed	31/07/2021
76.	Morbi-2	9.30	95%	Completed	31/07/2021
77.	Jetpur	23.50	95%	Completed	31/07/2021
78.	Gondal	16.50	55%	Completed	30/09/2021
79.	Amreli	18.20	77.00%	Completed	31/07/2021
80.	Kalol	23.50	16.00%	Completed	30/06/2022
81.	Palanpur	21.30	3.00%	95%	30/06/2022
82.	Deesa	17.00	70.00%	Completed	30/09/2021
83.	Bharuch	29.32	82.00%	90%	30/09/2021
84.	Vapi-1	14.00	55.00%	Completed	30/09/2021
85.	Anand-3	6.50	95%	Completed	31/08/2021
86.	Porbandar-1	12.80	82.00%	Completed	31/08/2021
87.	Damnagar	2.80	0.00%	Completed	11/02/2022
88.	Lathi	3.80	0.00%	Completed	11/02/2022
89.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1536.64			

New STPs for which work order given.

90.	Bhavnagar Akwada	19.2	7%	Completed	31/12/2022
91.	Anklav	3.60	20%	Completed	04/03/2022
92.	Khambhat-1	6.80	2%	Completed	04/06/2022
93.	Khambhat-2	4.50	2%	Completed	04/06/2022
94.	Thangadh	9.00	0.00%	Completed	07/06/2022
95.	Balasinor	6.50	2%	Completed	22/04/2022
96.	Savli	2.5	5%	Completed	18/04/2022
97.	Dabhoi	8.96	1%	Completed	18/04/2022
98.	Kanjari	3.3	16%	Completed	18/04/2022
99.	Halvad	6.7	0.00%	Completed	17/07/2022
100.	Rajpipla	5.02	5%	Completed	17/07/2022
101.	Pardi	4.60	0.0%	Completed	14/06/2022
102.	Mandvi Surat	3.50	0.0%	Completed	15/06/2022
103.	Ankleshwar	14.0	0.0%	Completed	15/09/2022
104.	Umargam	6.48	0.0%	Completed	14/09/2022
105.	Karamsad	7.0	0.0%	Completed	14/09/2022
106.	Boriavi	3.30	2%	Completed	14/09/2022
107.	Lunavada	5.60	0.0%	Completed	16/09/2022

108.	Palitana	10.81	0.0%	Completed	31/03/2022
Total		131.37			

Total STPs under construction: 1536.64+131.37=1668.01 MLD

Annexure-I (C)

Details of proposed STPs in the State

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1.	Ahmedabad Dafnala	25	LOI Given	31/12/2022
2.	Vadodara Tarsali	100	Revised DPR under scrutiny	31/12/2022
3.	Vadodara Atladara	83	Tender to be re- invited	31/12/2022
4.	Vadodara Gajarawadi	93	Revised DPR under scrutiny	31/12/2022
5.	GandhinagarSargasan	50	LOI Given	31/12/2022
6.	Jamnagar Nr Rangmati River	50	DPR Stage	31/12/2022
7.	Junagadh Kalva	15.50	Work order given	31/12/2022
8.	Junagadh Zanzarda	11.00	Work order given	31/12/2022
9.	Junagadh near Lol river	29.50	Work order given	31/12/2022
10.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
11.	Bhanvad	3.00	Tender under approval	31/03/2022
12.	Visavadar	3.40	Tender recently approved	31/03/2022
13.	Lunawada	5.60	Tender under approval	31/03/2022
14.	Okha	10.10	Tender under approval	31/03/2022
15.	Beyt (near Okha)	1.20	Tender under approval	31/03/2022
16.	Khambhalia	5.50	Tender under approval	31/03/2022
17.	Salaya, Jamnagar	6.20	Tender under approval	31/03/2022
18.	Jamjodhpur	3.60	Tender recently approved	31/03/2022
19.	Wankaner	5.80	Tender recently approved	31/03/2022
20.	Chhaya	13.10	Tender under approval	31/03/2022
21.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
22.	Veraval- Patan	33.90	Tender to be invited	31/03/2022
23.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
24.	Babra	4.00	Under Tender evaluation	31/12/2022

25.	Kodinar	5.60	Under Tender evaluation	31/12/2022
26.	Sutrapada	4.00	Tender tobe invited	31/12/2022
27.	Talala	3.80	Under Tender evaluation	31/12/2022
28.	Chorvad	3.70	Tender recently approved	31/12/2022
29.	Halol	11.60	Tender to be invited	31/12/2022
30.	Thasra	2.30	Tender to be invited	31/12/2022
31.	Mandvi-2 (Salaya)	3.20	Tender to be invited	31/12/2022
32.	Mandvi-1 (JT Grounds)	5.30	Tender to be invited	31/12/2022
33.	Jamraval	2.60	Tender to be invited	31/12/2022
34.	Dhrol	3.60	Under tender evaluation.	31/12/2022
35.	Kalavad	4.50	Tender under approval	31/12/2022
36.	Maliya	2.50	Tender to be invited	31/12/2022
37.	Kutiyana	2.90	Tender under approval	31/12/2022
38.	Ranavav-1 (Adityana)	3.00	Tender under approval	31/12/2022
39.	Ranavav-2	4.50	Tender under approval	31/12/2022
40.	Dhoraji	12.90	Tender recently approved	31/12/2022
41.	Bhayavadar	3.10	Tender to be invited	31/12/2022
42.	Manavadar	4.90	Tender recently approved	31/12/2022
43.	Pethapur	3.80	DPR stage	30/06/2022
44.	Sikka	2.90	Tender recently approved	31/12/2022
45.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
46.	Mahesana-1	23.18	Under Tender evaluation	31/03/2022
47.	Mahesana-2	18.46	Under Tender evaluation	31/03/2022
48.	Jafrabad	5.4	Tender online	31/12/2022
49.	Gariyadhar	7.1	Under Tender evaluation	31/12/2022
50.	Shihor	8.9	Under Tender evaluation	31/12/2022
51.	Mangrol	9.6	DPR/DTP stage	31/12/2022
52.	Vanthli	2.2	DPR/DTP stage	31/12/2022
53.	Modasa	12.0	Under Tender evaluation	31/12/2022
54.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
55.	Songadh	4.5	Tender recently approved	31/12/2022
56.	Limdi	7.4	DPR/DTP stage	31/12/2022
57.	Bhachau	1.0	Tender under approval	31/12/2022
58.	Rapar	5.2	Under tender	31/12/2022

			evaluation.	
59.	Upleta	8.9	DPR/DTP stage	31/12/2022
60.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		856.57		

Newly proposed STPs.

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
61.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
62.	Gandhinagar Bhat	30	DPR Stage	31/12/2022
63.	Rajkot Raiyadhar	8.0	Tender online	31/12/2022
Total		98		

Total of Proposed STPs= 856.57+98=954.57 MLD

Annexure-II

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river

Annexure-II (A)

Progress/Status Report of the River/PRS water quality monitoring for the Month May - 2021:

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
May -21	NTPC Zanor	8.35	8.02	1.12	8	22	49
	Zadeshwar	8.15	7.96	1.03	12	94	170
	Garudeshwar	8.16	7.91	0.81	5	22	47

Annexure-III

Details w.r.t point no. XV, XVI, XVII & XVIII is given by Irrigation Dept./ Water Resource Dept., NWR WS & KD as on date

Sr. No	River name	Details/Status
1	Narmada	1. Environmental flow: • 600 cusecs • Garudeshwar weir (Ungated) is located at village Garudeshwar 12.10 Km D/S of SSP Canal at completion stage. 2. Detail of Good Irrigation Practices: • General Government practice of irrigation is maintained in command area of Sardar Sarovar Narmada Project • Farmers are made aware to use water optimally • Canal system of Sardar Sarovar Naramada Project are fully lined so as to minimize seepage losses. • As such no water logging issue noticed so far in the command area of canals of Sardar Sarovar Narmada Project. 3. Detail on Flood Plain Management Zone: • NA

Annexure-IV

Details w.r.t point no.XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/ River	**Existing plantation / vegetation cover details**	**Proposed plan to cover remaining gap along river/river stretch**	**Time limit**	**Remarks**
Narmada River South side (Asha to mulad village) 56.44 Km	12500 trees	0.10 lakh plants	2020-21	As per AAP (Annexure A) for both side plantation on PRS during 2020-21.

Annexure – A

List of Polluted River Stretches of Gujarat (River Both side Plantation AAP in 2020-21)		
Sr. No.	River	Plants (In lakhs)
1.	Sabarmati	1.54
2.	Bhadar	0.20
3.	Amlakhadi	0.10
4.	Bhogavo	0.60
5.	Khari	0.02
6.	Vishwamitri	0.15
7.	Dhadhar	1.10
8.	Triveni	0.10
9.	Amravati	0.10
10.	Damanganga	0.25
11.	Kolak	0.25
12.	Mahi	0.20
13.	Shedhi	0.15
14.	Tapi	0.35
15.	Anas	0.05
16.	Baleshwar Khadi	0.02
17.	Kim	0.02
18.	Meshwo	0.40
19.	Mindhola	0.05
20.	Narmada	0.45
Total		6.10

Plantation of **6.91** lakh trees have been carried out on both the sides of polluted river stretches against the action plan for planting 6.10 lakh trees

Annexure-V

Details received from concerned department regarding reuse of treated wastewater

Treated waste water utilization policy:

- Gujarat Government has framed Policy for Reuse of "Treated Waste Water (TWW)" by maximising the collection and treatment of sewage generated and reusing the treated wastewater on a sustainable basis. In this regards, revised action plan has been submitted by Gujarat Water Supply and Sewerage Board (GWSSB) to Chairman, CPCB where one of the objectives of the revised action plan is to reuse 70% of treated wastewater by 2025 and 100% of treated wastewater by 2030.
- As per the details received from Gujarat Water Supply & Sewerage Board, Latest status of Treated waste water reuse in the State is as under:

	Status		
	TWW reuse started (MLD)	TWW reuse projects in tender/execution stage (MLD)	TWW reuse under planning (MLD)
Municipal Corporations	623.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**646.68**	**250**	**790.4**

Annexure-VI

Non-Complying / Partially non-complying CETPs
April- 2021

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	508
		BOD	30	42
2.	M/s. Odhav Enviro Project Ltd., Odhav, Ahmedabad	COD	250	407
		BOD	30	39
3.	M/s. Gujarat Vepari Maha Mandal Sahkari Udhyogik Vasahat Ltd, Ahmedabad	NH3-N	50	80.5
4.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	BOD	30	31
		NH3-N	50	130.2
5.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	420
		BOD	30	35
		SS	100	118
6.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	COD	250	1697
		BOD	30	321
		SS	100	326
7.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	891
		SS	100	156
		NH3-N	50	63.14
8.	M/s. Vinayak Jal SudhikaranSahakariMandali Ltd, Bavla, Ahmedabad	SS	100	164
9.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	138
10.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar.	COD	500	942
		NH_3-N	50	137.2
11.	M/s. Panoli Enviro Technology Ltd., GIDC-Panoli, Bharuch	SS	150	280
12.	M/s. Gujarat Eco Textile Park Pvt. Ltd, Palsana, Surat	SS	<60	98

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of April-2021, mg/L
13.	Vapi Green Enviro Ltd (VGEL, Vapi) (Old Name-Vapi Waste & Effluent Management Co. Ltd) (GPCB ID: 24764)	NH_3-N	50	80.5
14.	M/s. Sarigam Clean Initiative (Old Name-Gujarat Industrial Development Corporation), Sarigam.	SS	100	110
15.	M/s Jetpur Dying & Printing Association, Jetpur, Rajkot	COD	250	664
		BOD	100	212
16.	M/s. Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	151
		BOD	30	49
17.	M/s. Jay Khodiyar Enviro-Technologies Pvt. Ltd., Rajkot	PH	6.5 to 8.5	8.72
18.	M/s CETP of Dahej Industrial Estate	COD	250	544
		NH3-N	50	112