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 December – 2020.

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
- Capacity Utilization of existing STPs: 2739 MLD
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
- No. of Operational STPs: 72
- No. of Complying STPs: 24
- No. of Non-complying STPs: 21
- STPs under maintenance / modification: 1
- STPs not obtained CTE / CC&A of GPCB: 13
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 3
- Details of STPs not available: 1
- 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	Details are being prepared.

MLD:	
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste includeLandfillable, 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: 21, ➢ Non complying: 13 (Please refer Annexure VI) *(as per CM dash board data for **November-2020**, 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	170
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: 36.42 MT/day
- No. of Hospitals and Health Care Facilities: 31286
- Status of Treatment Facility/ CBMWTF: Existing – 21, Proposed – 1

  Capacity – 126 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: 5 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)	• Tender was invited on date. 07/08/2020. Under financial evaluation stage at present. Land is available. (revised time line – 31/12/2022) [Land is available. Earlier, Project was planned for supplying Treated Waste Water(TWW) to Industries as per TWW policy dated.28/05/2018. As decided in 3rd SHPC chaired by The Chief Secretary, Gujarat dated 23/08/2019, Expression of interest (EOI) floated by Ankleshwar Nagarpalika in Feb '20 for raw Sewage but no bidder participated. Then it was decided to invite tender for only STP with 7 years O & M.] • 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
1	Ahmedabad Pirana 2009	60	60	Operational	Not Complying
2	Ahmedabad Old Pirana 2004	106	106	Operational	Not Complying
3	Ahmedabad Pirana 2009	180	180	Operational	Not Complying
4	Ahmedabad Vasna 2004	126	126	Operational	Complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Not Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Complying
8	Ahmedabad Vasna 2018	48	48	Operational	Complying
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Complying
10	Ahmedabad Vinzol 2020	35	30	Operational	Not Complying
11	Ahmedabad Arvind Mill	8	8	Operational	Complying
12	Ahmedabad Rasala	1	1	Operational	Complying
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
14	Ahmedabad V S Hospital	1	1	Operational	Complying
15	Ahmedabad Nikol	0.5	0.5	Operational	---
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
17	Ahmedabad Lambha	5	2	Operational	Complying
18	Surat Singanpore 2003/2014	155	147.58	Operational	Not Complying
19	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
	1999/2015				
20	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Not Complying
21	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
22	Surat Bamroli 2008/2019	100	77.9	Operational	Not Complying
23	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
24	Surat Khajod 2011	25	21.36	Operational	Not Complying
25	Surat Asarama 2011	15	19.23	Operational	Not Complying
26	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
27	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Not Complying
28	Surat Gavier 2016	53	15.37	Operational	Complying
29	Vadodara Tarsali	52	58	Operational	Not Complying
30	Vadodara Gajarawadi	66	72	Operational	Not Complying
31	Vadodara Kapurai	43	50	Operational	Not Complying
32	Vadodara Rajivnagar	78	32	Operational	Complying
33	Vadodara Sayaji garden	8.5	7	Operational	Under modificaiton
34	Vadodara Channi	21	25	Operational	Not Complying
35	Vadodara Atladara (old)	43	51	Operational	Not Complying
36	Vadodara Atladara (new)	43	54	Operational	Complying
37	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Complying
39	Gandhinagar Basan 2011-12	2	0.3	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
40	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
41	Rajkot Raiyadhar 2017	56	15	Operational	Not Obtained CTE & CCA
42	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not Obtained CTE & CCA
43	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying with the norms.
44	Rajkot Gavaridad 2018	70	30	Operational	Complying
45	Rajkot Madhapar 2019	80	20	Operational	Not Obtained CTE & CCA
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not Obtained CTE & CCA
47	Bhavnagar Behind Excel industries	45	40	Operational	Complying
48	Jamnagar Navagam Ghed	70	65	Operational	CCA renewal rejected for not meeting with the timeline of action plan submitted with CCA application.
49	Gandhidham - Anjar	30.00	22	Operational	Complying
50	Patan	25.00	13	Operational	Not Obtained CTE & CCA
51	Nadiad	51.26	20	Operational	Not Complying
52	Siddhpur	5.62	5	Operational	Oxidation pond
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
54	Sanand	20.50	0	Non - Operational	Under Trail Run
55	Himmatnagar	17.51	6	Operational	Complying
56	Petlad	10.37	8	Operational	Not Obtained CTE & CCA
57	Dholka	13.60	8	Operational	Not Complying
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

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
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	Not Obtained CTE & CCA
66	Godhra	27.60	4	Operational	Not Complying
67	Bhuj	23.70	19	Operational	Not complying
68	Bhachau	10	4	Operational	CCA expired, not applied for renewal.
69	Anand	33	9	Operational	Not Obtained CTE & CCA
70	Anand	13.5	2.5	Operational	Not Obtained CTE & CCA
71	Surendranagar	32.3	17	Operational	Not Obtained CTE & CCA
72	Valsad-1	20.2	2	Operational	CTE issued CCA yet not applied
73	Morbi	28.8	6	Operational	Complying
Total		3485.66	2738.72		

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	75%	Completed	30/06/2021
2.	Ahmedabad Pirana	155	80%	Completed	31/03/2021
3.	Ahmedabad Maleksaban	30	5%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	Surat Bhesan	100	95%	Completed	31/03/2021
7.	SuratSinganpore	100	88%	Completed	30/06/2021
8.	SuratBhatar	115	58%	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
9.	SuratBamroli	115	40%	Completed	30/04/2021
10.	SuratAsarma	22.5	15%	Completed	30/09/2021
11.	SuratKhajod	30	10%	Completed	30/09/2021
12.	Vadodara Kapurai	60	68%	75%	30/06/2021
13.	Vadodara Chhani	50	22%	Completed	31/12/2021
14.	Vadodara Bhayli	45	10%	Completed	28/02/2022
15.	Vadodara Sayaji garden	7.5	50%	Completed	30/06/2021
16.	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17.	Bhavnagar Axcel Industries	50	21%	Completed	31/05/2022
18.	JunagadhBilkha Road, Near CBSE School	8.2	25%	Completed	31/06/2021
19.	Rajula	5.70	0.00%	Completed	09/07/2021
20.	Bagasara	5.90	5.12%	Completed	09/07/2021
21.	Chalala	2.80	82.00%	Completed	12/04/2021
22.	Mahuva	16.30	37.61%	Completed	21/05/2021
23.	Talaja	5.80	50.00%	Completed	31/05/2021
24.	Una	11.70	81.00%	Completed	25/02/2021
25.	Bantva	2.60	80.25%	Completed	28/02/2021
26.	Dehgam	7.60	92.0%	Completed	28/02/2021
27.	Mansa	5.00	15.04%	Completed	24/05/2021
28.	Tharad	4.80	Completed Under Trail Run	Completed	31/12/2020
29.	Dhanera	4.00	25.00%	Completed	15/11/2021
30.	Bhabhar	3.50	25.00%	Completed	30/07/2021
31.	Thara	3.60	20.00%	Completed	15/11/2021
32.	Kadi	12.80	35.00%	Completed	05/09/2021
33.	Unjha	11.60	69.00%	Completed	31/05/2021
34.	Visnagar-1	12.00	86.00%	Completed	04/04/2021
35.	Visnagar-2	5.30	27.00%	Completed	04/04/2021
36.	Kheralu	2.90	35.00%	Completed	10/11/2021
37.	Vijapur	4.10	20.00%	Completed	10/11/2021
38.	Radhanpur	6.00	1.00%	98% (All civil work completed	10/11/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
				except 150 m rising main balanced due to local opposition)	
39.	Idar	7.40	83.00%	Completed	31/03/2021
40.	Khedbrahma	5.80	68.00%	Completed	11/03/2021
41.	Prantij	3.70	53.30%	Completed	31/03/2021
42.	Talod	3.60	0.00%	Completed	30/10/2021
43.	Vadali	3.80	0.00%	Completed	30/10/2021
44.	Jambusar	5.90	39.00%	Completed	08/10/2021
45.	Amod	3.10	10.00%	Completed	08/10/2021
46.	Bilimora	8.30	10.00%	Completed	04/03/2022
47.	Gandevi	2.60	7.00%	Completed	30/10/2021
48.	Bardoli	11.30	88.00%	Completed	08/03/2021
49.	KanakpurKansad	7.80	0.00%	Completed	After 18 months from possession of land
50.	Vyara	6.50	88.10%	Completed	31/03/2021
51.	nogapur	4.10	29.00%	Completed	30/04/2021
52.	Borsad	9.80	68.7%	Completed	30/04/2021
53.	Umreth	6.10	48.00%	Completed	30/08/2021
54.	Dahod	13.70	98.00%	Completed	Physical work completed, can be commissioned after power connection.
55.	Zalod	4.60	85.00%	Completed	31/03/2021
56.	Devgadhbariya	3.80	75.00%	Completed	31/03/2021
57.	Santrampur	2.91	25.00%	Completed	30/09/2021
58.	Kalol (P)	4.77	27.00%	Completed	30/09/2021
59.	Shehra	2.80	2.00%	Completed	30/09/2021
60.	Chhotaudepur	5.00	92.00%	Completed	28/02/2021
61.	Padra	5.60	63.90%	Completed	31/07/2021
62.	Viramgam	4.50	43.00%	Completed	30/05/2021
63.	Bavla	5.80	2.00%	Completed	31/12/2021
64.	Dhandhuka	7.50	86.70%	Completed	28/02/2021
65.	Bareja	3.10	61.00%	Completed	21/02/2021
66.	Chaklasi	4.90	0.00%	Completed	After 15 months from possession of land
67.	Kapadwanj	6.20	9.00%	Completed	31/12/2021
68.	Mehmdabad	5.60	38.00%	Completed	17/11/2021
69.	Dakor	4.90	0.00%	Completed	After 15 months from possession of land

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
70.	Kheda	5.20	32.00%	Completed	17/11/2021
71.	Chotila-1	2.30	4.00%	Completed	30/09/2021
72.	Chotila-2	1.70	4.00%	Completed	After 15 months from possession of land
73.	Wadhwan	12.10	0.00%	Completed	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.
74.	Dhangadhra	11.60	95.00%	Completed	28/02/2021
75.	Barwala	2.90	6.00%	Completed	09/07/2021
76.	Jasdan	8.80	Completed Under trial run	Completed	31/12/2020
77.	Harij	3.00	4.00%	Completed	31/12/2021
78.	Chanasma	2.50	0.00%	Completed	After 15 months from possession of land
79.	Ode	2.50	2.00%	Completed	09/09/2021
80.	Karjan	5.20	6.75%	Completed	09/12/2021
81.	Vadnagar	5.94	95.00%	Completed	31/12/2020
82.	Botad	32.00	86.00%	Completed	28/02/2021
83.	Morbi-2	9.30	87.60%	Completed	31/03/2021
84.	Jetpur	23.50	88.00%	Completed	31/01/2021
85.	Gondal	16.50	46.00%	Completed	30/06/2021
86.	Amreli	18.20	71.00%	Completed	31/05/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
87.	Kalol	23.50	16.00%	Completed	31/03/2021
88.	Palanpur	21.30	3.00%	95%	31/03/2021
89.	Deesa	17.00	62.00%	Completed	31/03/2021
90.	Bharuch	29.32	79.00%	90%	31/03/2021
91.	Vapi-1	14.00	40.00%	Completed	31/03/2021
92.	Anand-3	6.50	80.00%	Completed	31/03/2021
93.	Porbandar-1	12.80	80.00%	Completed	31/03/2021
94.	Porbandar-2	19.10	90.00%	Completed	31/01/2021
95.	Damnagar	2.80	0.00%	Completed	11/02/2022
96.	Lathi	3.80	0.00%	Completed	11/02/2022
97.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1706.34			

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	Work to be Awarded	31/12/2022
2.	Vadodara Tarsali	48	DPR Stage	31/12/2022
3.	Vadodara Atladara	83	DPR Stage	31/12/2022
4.	Vadodara Gajarawadi	93	DPR Stage	31/12/2022
5.	GandhinagarSargasan	50	DPR Stage	31/12/2022
6.	Bhavnagar Akwada	19.2	Work order given	31/12/2022
7.	Jamnagar Nr Rangmati River	40	DPR Stage	31/12/2022
8.	Junagadh	15.50	DPR Stage	31/12/2022
9.	Junagadh	11.00	DPR Stage	31/12/2022
10.	Junagadh	29.50	DPR Stage	31/12/2022
11.	Balasinor	6.50	Work order given	23/01/2022
12.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
13.	Bhanvad	3.00	Under Tender evaluation	31/03/2022

14.	Savli	2.50	Under Tender evaluation	31/03/2022
15.	Visavadar	3.40	Under Tender evaluation	31/03/2022
16.	Rajpipla	5.02	Under Tender evaluation	31/03/2022
17.	Khambhat-1	6.80	Work order given	04/06/2022
18.	Khambhat-2	4.50	Work order given	04/06/2022
19.	Anklav	3.60	Work order given	04/03/2022
20.	Boriavi	3.30	Under Tender evaluation	31/03/2022
21.	Lunawada	5.60	Under Tender evaluation	31/03/2022
22.	Kanjari	3.30	Under Tender evaluation	31/03/2022
23.	Okha	10.10	Under Tender evaluation	31/03/2022
24.	Beyt (near Okha)	1.20	Under Tender evaluation	31/03/2022
25.	Khambhalia	5.50	Under Tender evaluation	31/03/2022
26.	Salaya, Jamnagar	6.20	Under Tender evaluation	31/03/2022
27.	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
28.	Wankaner	5.80	Tender tobe invited	31/03/2022
29.	Chhaya	13.10	Under Tender evaluation	31/03/2022
30.	Palitana	10.81	Under Tender evaluation	31/03/2022
31.	MandviSurat	3.50	Under Tender evaluation	31/03/2022
32.	Thangadh	9.00	Work order given	07/06/2022
33.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
34.	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
35.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
36.	Babra	4.00	Tender tobe invited	31/12/2022
37.	Kodinar	5.60	Tender tobe invited	31/12/2022
38.	Sutrapada	4.00	Tender tobe invited	31/12/2022
39.	Talala	3.80	Tender tobe invited	31/12/2022
40.	Chorvad	3.70	Tender tobe invited	31/12/2022
41.	Halol	11.60	Tender tobe invited	31/12/2022
42.	Thasra	2.30	Tender tobe invited	31/12/2022
43.	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
44.	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022

45.	Jamraval	2.60	Tender tobe invited	31/12/2022
46.	Dhrol	3.60	Tender tobe invited	31/12/2022
47.	Kalavad	3.60	Tender Online	31/12/2022
48.	Halvad	6.70	Under Tender evaluation	31/12/2022
49.	Maliya	2.50	Tender tobe invited	31/12/2022
50.	Kutiyana	2.90	Tender tobe invited	31/12/2022
51.	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
52.	Ranavav-2	4.50	Tender tobe invited	31/12/2022
53.	Dhoraji	12.90	Tender tobe invited	31/12/2022
54.	Bhayavadar	3.10	Tender tobe invited	31/12/2022
55.	Manavadar	4.90	Under Tender evaluation	31/12/2022
56.	Pethapur	3.80	Tender online (earlier tender rejected/ disqualified)	31/03/2022
57.	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
58.	Umargam	6.48	Under Tender evaluation	31/12/2022
59.	Dabhoi	8.96	Under Tender evaluation	31/12/2022
60.	Sikka	2.90	Tender Online	31/12/2022
61.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
62.	Mahesana-1	23.18	Tender Online	31/03/2022
63.	Mahesana-2	18.46	Tender Online	31/03/2022
64.	Jafrabad	5.4	DPR/DTP stage	31/12/2022
65.	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
66.	Shihor	8.9	Tender tobe invited	31/12/2022
67.	Mangrol	9.6	DPR/DTP stage	31/12/2022
68.	Vanthli	2.2	DPR/DTP stage	31/12/2022
69.	Modasa	12.0	DPR/DTP stage	31/12/2022
70.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
71.	Songadh	4.5	Tender tobe invited	31/12/2022
72.	Pardi	4.6	Tender tobe invited	31/12/2022
73.	Karamsad	6.0	Tender tobe invited	31/12/2022
74.	Limdi	7.4	DPR/DTP stage	31/12/2022
75.	Bhachau	1.0	Tender tobe invited	31/12/2022
76.	Rapar	5.2	Tender tobe invited	31/12/2022
77.	Upleta	8.9	DPR/DTP stage	31/12/2022
78.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

Note: 1. Earlier at the time of submission of details regarding Proposed STPs of the State, the Sr.no. was inadvertently written as 80 actually it was 78 (Sr.No. 27 & 28 were skipped by mistake.

2. Work order for STPs at Sr.No. 6,11,17,18,19& 32 have been given

3. **STP at Sr. No. 58 i.ePethapur STP of Gandhinagar District will henceforth be reflected along with the other STP of Gandhinagar District at Sr.No.5.**

Details of 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
1.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
2.	GandhinagarBhat	30	DPR Stage	31/12/2022

[After addition of the above two newly proposed STPs, total number of proposed STPs in the state are 78 + 2 = 80]

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 Dec-2020:

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	7.53	24	106	920	240
1980	32618	Pungam	4.22	7.39	1.92	25	NA	94

Annexure-II (B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River for Dec-2020:

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
50634	Gujarat Gas Office, Umervada	7.70	<5	5	0.03	BDL	BDL	0.24	In process	--	0.08	0.02
50635	Vill. JunaPungam	7.92	<5	6	0.036	BDL	BDL	0.16	In process	--	0.08	0.045
	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:

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	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 thiskhadi. 2. Detail of Good IrrigationPractices: • There is no Irrigation project existing on Amla Khadi henceNA. 3. Detail on Flood Plain ManagementZone: • No such heavy flood is noticed in this drain, henceNA.

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 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 CETPs
November-2020

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	556	SCN Dated 11/01/2021
		BOD	30	34	
2.	M/s. Gujarat VepariMaha Mandal SahkariUdhyogikVasahat Ltd, Ahmedabad	NH_3-N	50	89.88	--
3.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	COD	250	261	SCN Dated 11/01/2021
		BOD	30	36	
4.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	516	Legal notice issued
		BOD	30	57	
5.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	SS	100	242	--
6.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	424	--
7.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	162	Action under process
8.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar	COD	500	597	Action under process
		NH_3-N	50	116.48	
9.	M/s. CETP of Kejriwal Integrated Textile Park Ltd – KITPL	SS	<5	8	--
10	M/s. Gujarat Eco Textile Park Pvt Ltd, Palsana, Surat	SS	<60	68	Action under process
11	M/S of Bhatgam washing ghatsudhhikaranYojanaPvt. Ltd., Bhatgam, Rajkot	COD	100	264	NOD issued on 19/12/2020 CETP is under trial run
		BOD	30	85	
		SS	100	126	
12	M/s Jetpur Dying & Printing	COD	250	610	Action

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
	Association, Jetpur, Rajkot	BOD	100	190	under process CETP is under trial run
		SS	100	248	
13	M/s Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	270	Action under process CETP is under trial run

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 December – 2020.

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
- Capacity Utilization of existing STPs: 2739 MLD
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
- No. of Operational STPs:72
- No. of Complying STPs: 24
- No. of Non-complying STPs: 21
- STPs under maintenance / modification: 1
- STPs not obtained CTE / CC&A of GPCB: 13
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 3
- Details of STPs not available: 1
- 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	Details are being prepared.

MLD:	
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste includeLandfillable, 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: 21, ➢ Non complying: 13 (Please refer Annexure VI) *(as per CM dash board data for **November-2020**, 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	170
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of	• There are total No. 755 of Plants for Vermi

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	/ 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: 36.42 MT/day
- No. of Hospitals and Health Care Facilities: 31286
- Status of Treatment Facility/ CBMWTF: Existing – 21, Proposed – 1

  Capacity – 126 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: 5 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 &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.	**Proposed STP details**	**Status**
1.	STP Jetpur–Navagadh Nagarpalica (23.5 MLD):	STP civil work 88 % completed, Plant machinery has reached on site. (Completion 31/01/2021)

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.
2.	Expansion/Modification is mentioned as below:- CETP Dhareshwar (Modification): -	Work completed
3.	Up gradation of CETP JDPA wrt collection sump	All three newly constructed collection sumps are in operation. 1) Collection sump for mercerizing units from December 2019. 2) Collection sump at Derdi road for printing units from Date: 05/09/2020 3) Collection sump at Rabarika road for printing units from Date:05/09/2020

***** At present no waste water is discharged to river Bhadar through open channel which results into drastic improvement in analysis report of November -2020.

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.
- **DPR of the project is ready. Tenders for the project have been floated**

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
1	Ahmedabad Pirana 2009	60	60	Operational	Not Complying
2	Ahmedabad Old Pirana 2004	106	106	Operational	Not Complying
3	Ahmedabad Pirana 2009	180	180	Operational	Not Complying
4	Ahmedabad Vasna 2004	126	126	Operational	Complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Not Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Complying
8	Ahmedabad Vasna 2018	48	48	Operational	Complying
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Complying
10	Ahmedabad Vinzol 2020	35	30	Operational	Not Complying
11	Ahmedabad Arvind Mill	8	8	Operational	Complying
12	Ahmedabad Rasala	1	1	Operational	Complying
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
14	Ahmedabad V S Hospital	1	1	Operational	Complying
15	Ahmedabad Nikol	0.5	0.5	Operational	---
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
17	Ahmedabad Lambha	5	2	Operational	Complying
18	Surat Singanpore 2003/2014	155	147.58	Operational	Not Complying
19	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
	1999/2015				
20	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Not Complying
21	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
22	Surat Bamroli 2008/2019	100	77.9	Operational	Not Complying
23	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
24	Surat Khajod 2011	25	21.36	Operational	Not Complying
25	Surat Asarama 2011	15	19.23	Operational	Not Complying
26	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
27	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Not Complying
28	Surat Gavier 2016	53	15.37	Operational	Complying
29	Vadodara Tarsali	52	58	Operational	Not Complying
30	Vadodara Gajarawadi	66	72	Operational	Not Complying
31	Vadodara Kapurai	43	50	Operational	Not Complying
32	Vadodara Rajivnagar	78	32	Operational	Complying
33	Vadodara Sayaji garden	8.5	7	Operational	Under modification
34	Vadodara Channi	21	25	Operational	Not Complying
35	Vadodara Atladara (old)	43	51	Operational	Not Complying
36	Vadodara Atladara (new)	43	54	Operational	Complying
37	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Complying
39	Gandhinagar Basan 2011-12	2	0.3	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
40	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
41	Rajkot Raiyadhar 2017	56	15	Operational	Not Obtained CTE & CCA
42	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not Obtained CTE & CCA
43	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying with the norms.
44	Rajkot Gavaridad 2018	70	30	Operational	Complying
45	Rajkot Madhapar 2019	80	20	Operational	Not Obtained CTE & CCA
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not Obtained CTE & CCA
47	Bhavnagar Behind Excel industries	45	40	Operational	Complying
48	Jamnagar Navagam Ghed	70	65	Operational	CCA renewal rejected for not meeting with the timeline of action plan submitted with CCA application.
49	Gandhidham - Anjar	30.00	22	Operational	Complying
50	Patan	25.00	13	Operational	Not Obtained CTE & CCA
51	Nadiad	51.26	20	Operational	Not Complying
52	Siddhpur	5.62	5	Operational	Oxidation pond
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
54	Sanand	20.50	0	Non - Operational	Under Trail Run
55	Himmatnagar	17.51	6	Operational	Complying
56	Petlad	10.37	8	Operational	Not Obtained CTE & CCA
57	Dholka	13.60	8	Operational	Not Complying
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

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
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	Not Obtained CTE & CCA
66	Godhra	27.60	4	Operational	Not Complying
67	Bhuj	23.70	19	Operational	Not complying
68	Bhachau	10	4	Operational	CCA expired, not applied for renewal.
69	Anand	33	9	Operational	Not Obtained CTE & CCA
70	Anand	13.5	2.5	Operational	Not Obtained CTE & CCA
71	Surendranagar	32.3	17	Operational	Not Obtained CTE & CCA
72	Valsad-1	20.2	2	Operational	CTE issued CCA yet not applied
73	Morbi	28.8	6	Operational	Complying
Total		3485.66	2738.72		

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	75%	Completed	30/06/2021
2.	Ahmedabad Pirana	155	80%	Completed	31/03/2021
3.	Ahmedabad Maleksaban	30	5%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	Surat Bhesan	100	95%	Completed	31/03/2021
7.	SuratSinganpore	100	88%	Completed	30/06/2021
8.	SuratBhatar	115	58%	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
9.	SuratBamroli	115	40%	Completed	30/04/2021
10.	SuratAsarma	22.5	15%	Completed	30/09/2021
11.	SuratKhajod	30	10%	Completed	30/09/2021
12.	Vadodara Kapurai	60	68%	75%	30/06/2021
13.	Vadodara Chhani	50	22%	Completed	31/12/2021
14.	Vadodara Bhayli	45	10%	Completed	28/02/2022
15.	Vadodara Sayaji garden	7.5	50%	Completed	30/06/2021
16.	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17.	Bhavnagar Axcel Industries	50	21%	Completed	31/05/2022
18.	JunagadhBilkha Road, Near CBSE School	8.2	25%	Completed	31/06/2021
19.	Rajula	5.70	0.00%	Completed	09/07/2021
20.	Bagasara	5.90	5.12%	Completed	09/07/2021
21.	Chalala	2.80	82.00%	Completed	12/04/2021
22.	Mahuva	16.30	37.61%	Completed	21/05/2021
23.	Talaja	5.80	50.00%	Completed	31/05/2021
24.	Una	11.70	81.00%	Completed	25/02/2021
25.	Bantva	2.60	80.25%	Completed	28/02/2021
26.	Dehgam	7.60	92.0%	Completed	28/02/2021
27.	Mansa	5.00	15.04%	Completed	24/05/2021
28.	Tharad	4.80	Completed Under Trail Run	Completed	31/12/2020
29.	Dhanera	4.00	25.00%	Completed	15/11/2021
30.	Bhabhar	3.50	25.00%	Completed	30/07/2021
31.	Thara	3.60	20.00%	Completed	15/11/2021
32.	Kadi	12.80	35.00%	Completed	05/09/2021
33.	Unjha	11.60	69.00%	Completed	31/05/2021
34.	Visnagar-1	12.00	86.00%	Completed	04/04/2021
35.	Visnagar-2	5.30	27.00%	Completed	04/04/2021
36.	Kheralu	2.90	35.00%	Completed	10/11/2021
37.	Vijapur	4.10	20.00%	Completed	10/11/2021
38.	Radhanpur	6.00	1.00%	98% (All civil work completed	10/11/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
				except 150 m rising main balanced due to local opposition)	
39.	Idar	7.40	83.00%	Completed	31/03/2021
40.	Khedbrahma	5.80	68.00%	Completed	11/03/2021
41.	Prantij	3.70	53.30%	Completed	31/03/2021
42.	Talod	3.60	0.00%	Completed	30/10/2021
43.	Vadali	3.80	0.00%	Completed	30/10/2021
44.	Jambusar	5.90	39.00%	Completed	08/10/2021
45.	Amod	3.10	10.00%	Completed	08/10/2021
46.	Bilimora	8.30	10.00%	Completed	04/03/2022
47.	Gandevi	2.60	7.00%	Completed	30/10/2021
48.	Bardoli	11.30	88.00%	Completed	08/03/2021
49.	KanakpurKansad	7.80	0.00%	Completed	After 18 months from possession of land
50.	Vyara	6.50	88.10%	Completed	31/03/2021
51.	nogapur	4.10	29.00%	Completed	30/04/2021
52.	Borsad	9.80	68.7%	Completed	30/04/2021
53.	Umreth	6.10	48.00%	Completed	30/08/2021
54.	Dahod	13.70	98.00%	Completed	Physical work completed, can be commissioned after power connection.
55.	Zalod	4.60	85.00%	Completed	31/03/2021
56.	Devgadhbariya	3.80	75.00%	Completed	31/03/2021
57.	Santrampur	2.91	25.00%	Completed	30/09/2021
58.	Kalol (P)	4.77	27.00%	Completed	30/09/2021
59.	Shehra	2.80	2.00%	Completed	30/09/2021
60.	Chhotaudepur	5.00	92.00%	Completed	28/02/2021
61.	Padra	5.60	63.90%	Completed	31/07/2021
62.	Viramgam	4.50	43.00%	Completed	30/05/2021
63.	Bavla	5.80	2.00%	Completed	31/12/2021
64.	Dhandhuka	7.50	86.70%	Completed	28/02/2021
65.	Bareja	3.10	61.00%	Completed	21/02/2021
66.	Chaklasi	4.90	0.00%	Completed	After 15 months from possession of land
67.	Kapadwanj	6.20	9.00%	Completed	31/12/2021
68.	Mehmdabad	5.60	38.00%	Completed	17/11/2021
69.	Dakor	4.90	0.00%	Completed	After 15 months from possession of land

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
70.	Kheda	5.20	32.00%	Completed	17/11/2021
71.	Chotila-1	2.30	4.00%	Completed	30/09/2021
72.	Chotila-2	1.70	4.00%	Completed	After 15 months from possession of land
73.	Wadhwan	12.10	0.00%	Completed	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.
74.	Dhangadhra	11.60	95.00%	Completed	28/02/2021
75.	Barwala	2.90	6.00%	Completed	09/07/2021
76.	Jasdan	8.80	Completed Under trial run	Completed	31/12/2020
77.	Harij	3.00	4.00%	Completed	31/12/2021
78.	Chanasma	2.50	0.00%	Completed	After 15 months from possession of land
79.	Ode	2.50	2.00%	Completed	09/09/2021
80.	Karjan	5.20	6.75%	Completed	09/12/2021
81.	Vadnagar	5.94	95.00%	Completed	31/12/2020
82.	Botad	32.00	86.00%	Completed	28/02/2021
83.	Morbi-2	9.30	87.60%	Completed	31/03/2021
84.	Jetpur	23.50	88.00%	Completed	31/01/2021
85.	Gondal	16.50	46.00%	Completed	30/06/2021
86.	Amreli	18.20	71.00%	Completed	31/05/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
87.	Kalol	23.50	16.00%	Completed	31/03/2021
88.	Palanpur	21.30	3.00%	95%	31/03/2021
89.	Deesa	17.00	62.00%	Completed	31/03/2021
90.	Bharuch	29.32	79.00%	90%	31/03/2021
91.	Vapi-1	14.00	40.00%	Completed	31/03/2021
92.	Anand-3	6.50	80.00%	Completed	31/03/2021
93.	Porbandar-1	12.80	80.00%	Completed	31/03/2021
94.	Porbandar-2	19.10	90.00%	Completed	31/01/2021
95.	Damnagar	2.80	0.00%	Completed	11/02/2022
96.	Lathi	3.80	0.00%	Completed	11/02/2022
97.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1706.34			

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	Work to be Awarded	31/12/2022
2.	Vadodara Tarsali	48	DPR Stage	31/12/2022
3.	Vadodara Atladara	83	DPR Stage	31/12/2022
4.	Vadodara Gajarawadi	93	DPR Stage	31/12/2022
5.	GandhinagarSargasan	50	DPR Stage	31/12/2022
6.	Bhavnagar Akwada	19.2	Work order given	31/12/2022
7.	Jamnagar Nr Rangmati River	40	DPR Stage	31/12/2022
8.	Junagadh	15.50	DPR Stage	31/12/2022
9.	Junagadh	11.00	DPR Stage	31/12/2022
10.	Junagadh	29.50	DPR Stage	31/12/2022
11.	Balasinor	6.50	Work order given	23/01/2022
12.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
13.	Bhanvad	3.00	Under Tender evaluation	31/03/2022

14.	Savli	2.50	Under Tender evaluation	31/03/2022
15.	Visavadar	3.40	Under Tender evaluation	31/03/2022
16.	Rajpipla	5.02	Under Tender evaluation	31/03/2022
17.	Khambhat-1	6.80	Work order given	04/06/2022
18.	Khambhat-2	4.50	Work order given	04/06/2022
19.	Anklav	3.60	Work order given	04/03/2022
20.	Boriavi	3.30	Under Tender evaluation	31/03/2022
21.	Lunawada	5.60	Under Tender evaluation	31/03/2022
22.	Kanjari	3.30	Under Tender evaluation	31/03/2022
23.	Okha	10.10	Under Tender evaluation	31/03/2022
24.	Beyt (near Okha)	1.20	Under Tender evaluation	31/03/2022
25.	Khambhalia	5.50	Under Tender evaluation	31/03/2022
26.	Salaya, Jamnagar	6.20	Under Tender evaluation	31/03/2022
27.	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
28.	Wankaner	5.80	Tender tobe invited	31/03/2022
29.	Chhaya	13.10	Under Tender evaluation	31/03/2022
30.	Palitana	10.81	Under Tender evaluation	31/03/2022
31.	MandviSurat	3.50	Under Tender evaluation	31/03/2022
32.	Thangadh	9.00	Work order given	07/06/2022
33.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
34.	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
35.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
36.	Babra	4.00	Tender tobe invited	31/12/2022
37.	Kodinar	5.60	Tender tobe invited	31/12/2022
38.	Sutrapada	4.00	Tender tobe invited	31/12/2022
39.	Talala	3.80	Tender tobe invited	31/12/2022
40.	Chorvad	3.70	Tender tobe invited	31/12/2022
41.	Halol	11.60	Tender tobe invited	31/12/2022
42.	Thasra	2.30	Tender tobe invited	31/12/2022
43.	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
44.	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022

45.	Jamraval	2.60	Tender tobe invited	31/12/2022
46.	Dhrol	3.60	Tender tobe invited	31/12/2022
47.	Kalavad	3.60	Tender Online	31/12/2022
48.	Halvad	6.70	Under Tender evaluation	31/12/2022
49.	Maliya	2.50	Tender tobe invited	31/12/2022
50.	Kutiyana	2.90	Tender tobe invited	31/12/2022
51.	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
52.	Ranavav-2	4.50	Tender tobe invited	31/12/2022
53.	Dhoraji	12.90	Tender tobe invited	31/12/2022
54.	Bhayavadar	3.10	Tender tobe invited	31/12/2022
55.	Manavadar	4.90	Under Tender evaluation	31/12/2022
56.	Pethapur	3.80	Tender online (earlier tender rejected/ disqualified)	31/03/2022
57.	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
58.	Umargam	6.48	Under Tender evaluation	31/12/2022
59.	Dabhoi	8.96	Under Tender evaluation	31/12/2022
60.	Sikka	2.90	Tender Online	31/12/2022
61.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
62.	Mahesana-1	23.18	Tender Online	31/03/2022
63.	Mahesana-2	18.46	Tender Online	31/03/2022
64.	Jafrabad	5.4	DPR/DTP stage	31/12/2022
65.	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
66.	Shihor	8.9	Tender tobe invited	31/12/2022
67.	Mangrol	9.6	DPR/DTP stage	31/12/2022
68.	Vanthli	2.2	DPR/DTP stage	31/12/2022
69.	Modasa	12.0	DPR/DTP stage	31/12/2022
70.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
71.	Songadh	4.5	Tender tobe invited	31/12/2022
72.	Pardi	4.6	Tender tobe invited	31/12/2022
73.	Karamsad	6.0	Tender tobe invited	31/12/2022
74.	Limdi	7.4	DPR/DTP stage	31/12/2022
75.	Bhachau	1.0	Tender tobe invited	31/12/2022
76.	Rapar	5.2	Tender tobe invited	31/12/2022
77.	Upleta	8.9	DPR/DTP stage	31/12/2022
78.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

Note: 1. Earlier at the time of submission of details regarding Proposed STPs of the State, the Sr.no. was inadvertently written as 80 actually it was 78 (Sr.No. 27 & 28 were skipped by mistake.

2. Work order for STPs at Sr.No. 6,11,17,18,19& 32 have been given

3. **STP at Sr. No. 58 i.ePethapur STP of Gandhinagar District will henceforth be reflected along with the other STP of Gandhinagar District at Sr.No.5.**

Details of 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
1.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
2.	GandhinagarBhat	30	DPR Stage	31/12/2022

[After addition of the above two newly proposed STPs, total number of proposed STPs in the state are 78 + 2 = 80]

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 December-2020:

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	5.0	7.82	2.9	12.36	< 1.8	< 1.8

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	01/12/2020	1.2	7.0	948	6.76

Annexure-II(C)

Drains Details with Flow:

Sr. No.	Location (Latitude and longitude)	Discharge (MLD)	
		Max	Min
1	Opp. Bhadar Stone Crusher	00	00
2	SarangNallah	0.5	0.1
3	Behind Gondra area	2	1
4	Behind Kabrastan	00	00
5	Near railway bridge	00	00
6	MaghediVokda	00	00

Annexure-II(D)

STP & CETP results.

Sr. No.	Name of STP/CETP	Discharge Norms		December-2020 Results	
1	CETP of Jetpur Dyeing & Printing Association (PCB	DO (mg/l)	--	DO (mg/l)	--
		pH	6.5 to 9	pH	6.72

	ID-19722)	BOD (mg/l)	100	BOD (mg/l)	343
		COD (mg/l)	250	COD (mg/l)	1024
		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	7.94
		BOD (mg/l)	30	BOD (mg/l)	88
		COD (mg/l)	100	COD (mg/l)	263
		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	7.26
		BOD (mg/l)	30	BOD (mg/l)	127
		COD (mg/l)	--	COD (mg/l)	384
		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 &XVIIIgiven by Irrigation Dept./WRD as on date

Sr.No	River name	Details/Status
1	Bhadar	1. Environmental flow: • Bhadar is not a perennialriver. • 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 Mayperiod. • Duringthemonsoonandonavailabilityofexcessflood water from Bhadar Dam to Saran. (June toOctober) 2. Detail of Good IrrigationPractices: • General government practice of irrigation is maintained in command area of Bhadar-1 irrigation project and Bhadar-2 irrigationproject. • Farmers are made aware to use waterefficiently. • 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 ManagementZone: • AsfarasBhadar1project,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 warnedthrough early warning arrangement in consultation with revenue department.

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 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 CETPs
November-2020

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	556	SCN Dated 11/01/2021
		BOD	30	34	
2.	M/s. Gujarat VepariMaha Mandal SahkariUdhyogikVasahat Ltd, Ahmedabad	NH_3-N	50	89.88	--
3.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	COD	250	261	SCN Dated 11/01/2021
		BOD	30	36	
4.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	516	Legal notice issued
		BOD	30	57	
5.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	SS	100	242	--
6.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	424	--
7.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	162	Action under process
8.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar	COD	500	597	Action under process
		NH_3-N	50	116.48	
9.	M/s. CETP of Kejriwal Integrated Textile Park Ltd – KITPL	SS	<5	8	--
10.	M/s. Gujarat Eco Textile Park Pvt Ltd, Palsana, Surat	SS	<60	68	Action under process
11.	M/S of Bhatgam washing ghatsudhhikaranYojanaPvt. Ltd., Bhatgam, Rajkot	COD	100	264	NOD issued on 19/12/2020 CETP is under trial run
		BOD	30	85	
		SS	100	126	
12.	M/s Jetpur Dying & Printing	COD	250	610	Action

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
	Association, Jetpur, Rajkot	BOD	100	190	under process CETP is under trial run
		SS	100	248	
13.	M/s Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	270	Action under process CETP is under trial run

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 December – 2020.

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
- Capacity Utilization of existing STPs: 2739 MLD
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
- No. of Operational STPs: 72
- No. of Complying STPs: 24
- No. of Non-complying STPs: 21
- STPs under maintenance / modification: 1
- STPs not obtained CTE / CC&A of GPCB: 13
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 3
- Details of STPs not available: 1
- 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	Details are being prepared.

MLD:	
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste includeLandfillable, 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: 21, ➢ Non complying: 13 (Please refer Annexure VI) *(as per CM dash board data for **November-2020**, 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	170
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing	• There are total No. 755 of Plants for Vermi

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	/ 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: 36.42 MT/day
- No. of Hospitals and Health Care Facilities: 31286
- Status of Treatment Facility/ CBMWTF: Existing – 21, Proposed – 1

  Capacity – 126 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: 5 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 wasteinto 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.

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
1	Ahmedabad Pirana 2009	60	60	Operational	Not Complying
2	Ahmedabad Old Pirana 2004	106	106	Operational	Not Complying
3	Ahmedabad Pirana 2009	180	180	Operational	Not Complying
4	Ahmedabad Vasna 2004	126	126	Operational	Complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Not Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Complying
8	Ahmedabad Vasna 2018	48	48	Operational	Complying
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Complying
10	Ahmedabad Vinzol 2020	35	30	Operational	Not Complying
11	Ahmedabad Arvind Mill	8	8	Operational	Complying
12	Ahmedabad Rasala	1	1	Operational	Complying
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
14	Ahmedabad V S Hospital	1	1	Operational	Complying
15	Ahmedabad Nikol	0.5	0.5	Operational	---
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
17	Ahmedabad Lambha	5	2	Operational	Complying
18	Surat Singanpore 2003/2014	155	147.58	Operational	Not Complying
19	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
	1999/2015				
20	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Not Complying
21	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
22	Surat Bamroli 2008/2019	100	77.9	Operational	Not Complying
23	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
24	Surat Khajod 2011	25	21.36	Operational	Not Complying
25	Surat Asarama 2011	15	19.23	Operational	Not Complying
26	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
27	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Not Complying
28	Surat Gavier 2016	53	15.37	Operational	Complying
29	Vadodara Tarsali	52	58	Operational	Not Complying
30	Vadodara Gajarawadi	66	72	Operational	Not Complying
31	Vadodara Kapurai	43	50	Operational	Not Complying
32	Vadodara Rajivnagar	78	32	Operational	Complying
33	Vadodara Sayaji garden	8.5	7	Operational	Under modification
34	Vadodara Channi	21	25	Operational	Not Complying
35	Vadodara Atladara (old)	43	51	Operational	Not Complying
36	Vadodara Atladara (new)	43	54	Operational	Complying
37	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Complying
39	Gandhinagar Basan 2011-12	2	0.3	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
40	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
41	Rajkot Raiyadhar 2017	56	15	Operational	Not Obtained CTE & CCA
42	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not Obtained CTE & CCA
43	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying with the norms.
44	Rajkot Gavaridad 2018	70	30	Operational	Complying
45	Rajkot Madhapar 2019	80	20	Operational	Not Obtained CTE & CCA
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not Obtained CTE & CCA
47	Bhavnagar Behind Excel industries	45	40	Operational	Complying
48	Jamnagar Navagam Ghed	70	65	Operational	CCA renewal rejected for not meeting with the timeline of action plan submitted with CCA application.
49	Gandhidham - Anjar	30.00	22	Operational	Complying
50	Patan	25.00	13	Operational	Not Obtained CTE & CCA
51	Nadiad	51.26	20	Operational	Not Complying
52	Siddhpur	5.62	5	Operational	Oxidation pond
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
54	Sanand	20.50	0	Non - Operational	Under Trail Run
55	Himmatnagar	17.51	6	Operational	Complying
56	Petlad	10.37	8	Operational	Not Obtained CTE & CCA
57	Dholka	13.60	8	Operational	Not Complying
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

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
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	Not Obtained CTE & CCA
66	Godhra	27.60	4	Operational	Not Complying
67	Bhuj	23.70	19	Operational	Not complying
68	Bhachau	10	4	Operational	CCA expired, not applied for renewal.
69	Anand	33	9	Operational	Not Obtained CTE & CCA
70	Anand	13.5	2.5	Operational	Not Obtained CTE & CCA
71	Surendranagar	32.3	17	Operational	Not Obtained CTE & CCA
72	Valsad-1	20.2	2	Operational	CTE issued CCA yet not applied
73	Morbi	28.8	6	Operational	Complying
Total		3485.66	2738.72		

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	75%	Completed	30/06/2021
2.	Ahmedabad Pirana	155	80%	Completed	31/03/2021
3.	Ahmedabad Maleksaban	30	5%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	Surat Bhesan	100	95%	Completed	31/03/2021
7.	SuratSinganpore	100	88%	Completed	30/06/2021
8.	SuratBhatar	115	58%	Completed	31/07/2021
9.	SuratBamroli	115	40%	Completed	30/04/2021
10.	SuratAsarma	22.5	15%	Completed	30/09/2021
11.	SuratKhajod	30	10%	Completed	30/09/2021
12.	Vadodara Kapurai	60	68%	75%	30/06/2021
13.	Vadodara Chhani	50	22%	Completed	31/12/2021
14.	Vadodara Bhayli	45	10%	Completed	28/02/2022
15.	Vadodara Sayaji garden	7.5	50%	Completed	30/06/2021
16.	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17.	Bhavnagar Axcel Industries	50	21%	Completed	31/05/2022
18.	JunagadhBilkha Road, Near CBSE School	8.2	25%	Completed	31/06/2021
19.	Rajula	5.70	0.00%	Completed	09/07/2021
20.	Bagasara	5.90	5.12%	Completed	09/07/2021
21.	Chalala	2.80	82.00%	Completed	12/04/2021
22.	Mahuva	16.30	37.61%	Completed	21/05/2021
23.	Talaja	5.80	50.00%	Completed	31/05/2021
24.	Una	11.70	81.00%	Completed	25/02/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
25.	Bantva	2.60	80.25%	Completed	28/02/2021
26.	Dehgam	7.60	92.0%	Completed	28/02/2021
27.	Mansa	5.00	15.04%	Completed	24/05/2021
28.	Tharad	4.80	Completed Under Trail Run	Completed	31/12/2020
29.	Dhanera	4.00	25.00%	Completed	15/11/2021
30.	Bhabhar	3.50	25.00%	Completed	30/07/2021
31.	Thara	3.60	20.00%	Completed	15/11/2021
32.	Kadi	12.80	35.00%	Completed	05/09/2021
33.	Unjha	11.60	69.00%	Completed	31/05/2021
34.	Visnagar-1	12.00	86.00%	Completed	04/04/2021
35.	Visnagar-2	5.30	27.00%	Completed	04/04/2021
36.	Kheralu	2.90	35.00%	Completed	10/11/2021
37.	Vijapur	4.10	20.00%	Completed	10/11/2021
38.	Radhanpur	6.00	1.00%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	10/11/2021
39.	Idar	7.40	83.00%	Completed	31/03/2021
40.	Khedbrahma	5.80	68.00%	Completed	11/03/2021
41.	Prantij	3.70	53.30%	Completed	31/03/2021
42.	Talod	3.60	0.00%	Completed	30/10/2021
43.	Vadali	3.80	0.00%	Completed	30/10/2021
44.	Jambusar	5.90	39.00%	Completed	08/10/2021
45.	Amod	3.10	10.00%	Completed	08/10/2021
46.	Bilimora	8.30	10.00%	Completed	04/03/2022
47.	Gandevi	2.60	7.00%	Completed	30/10/2021
48.	Bardoli	11.30	88.00%	Completed	08/03/2021
49.	KanakpurKansad	7.80	0.00%	Completed	After 18 months from possession of land
50.	Vyara	6.50	88.10%	Completed	31/03/2021
51.	nogapur	4.10	29.00%	Completed	30/04/2021
52.	Borsad	9.80	68.7%	Completed	30/04/2021
53.	Umreth	6.10	48.00%	Completed	30/08/2021
54.	Dahod	13.70	98.00%	Completed	Physical work completed, can be commissioned after power connection.
55.	Zalod	4.60	85.00%	Completed	31/03/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
56.	Devgadhbariya	3.80	75.00%	Completed	31/03/2021
57.	Santrampur	2.91	25.00%	Completed	30/09/2021
58.	Kalol (P)	4.77	27.00%	Completed	30/09/2021
59.	Shehra	2.80	2.00%	Completed	30/09/2021
60.	Chhotaudepur	5.00	92.00%	Completed	28/02/2021
61.	Padra	5.60	63.90%	Completed	31/07/2021
62.	Viramgam	4.50	43.00%	Completed	30/05/2021
63.	Bavla	5.80	2.00%	Completed	31/12/2021
64.	Dhandhuka	7.50	86.70%	Completed	28/02/2021
65.	Bareja	3.10	61.00%	Completed	21/02/2021
66.	Chaklasi	4.90	0.00%	Completed	After 15 months from possession of land
67.	Kapadwanj	6.20	9.00%	Completed	31/12/2021
68.	Mehmdabad	5.60	38.00%	Completed	17/11/2021
69.	Dakor	4.90	0.00%	Completed	After 15 months from possession of land
70.	Kheda	5.20	32.00%	Completed	17/11/2021
71.	Chotila-1	2.30	4.00%	Completed	30/09/2021
72.	Chotila-2	1.70	4.00%	Completed	After 15 months from possession of land
73.	Wadhwan	12.10	0.00%	Completed	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

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
					STP.
74.	Dhangadhra	11.60	95.00%	Completed	28/02/2021
75.	Barwala	2.90	6.00%	Completed	09/07/2021
76.	Jasdan	8.80	Completed Under trial run	Completed	31/12/2020
77.	Harij	3.00	4.00%	Completed	31/12/2021
78.	Chanasma	2.50	0.00%	Completed	After 15 months from possession of land
79.	Ode	2.50	2.00%	Completed	09/09/2021
80.	Karjan	5.20	6.75%	Completed	09/12/2021
81.	Vadnagar	5.94	95.00%	Completed	31/12/2020
82.	Botad	32.00	86.00%	Completed	28/02/2021
83.	Morbi-2	9.30	87.60%	Completed	31/03/2021
84.	Jetpur	23.50	88.00%	Completed	31/01/2021
85.	Gondal	16.50	46.00%	Completed	30/06/2021
86.	Amreli	18.20	71.00%	Completed	31/05/2021
87.	Kalol	23.50	16.00%	Completed	31/03/2021
88.	Palanpur	21.30	3.00%	95%	31/03/2021
89.	Deesa	17.00	62.00%	Completed	31/03/2021
90.	Bharuch	29.32	79.00%	90%	31/03/2021
91.	Vapi-1	14.00	40.00%	Completed	31/03/2021
92.	Anand-3	6.50	80.00%	Completed	31/03/2021
93.	Porbandar-1	12.80	80.00%	Completed	31/03/2021
94.	Porbandar-2	19.10	90.00%	Completed	31/01/2021
95.	Damnagar	2.80	0.00%	Completed	11/02/2022
96.	Lathi	3.80	0.00%	Completed	11/02/2022
97.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1706.34			

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	Work to be Awarded	31/12/2022
2.	Vadodara Tarsali	48	DPR Stage	31/12/2022
3.	Vadodara Atladara	83	DPR Stage	31/12/2022
4.	Vadodara Gajarawadi	93	DPR Stage	31/12/2022
5.	GandhinagarSargasan	50	DPR Stage	31/12/2022
6.	Bhavnagar Akwada	19.2	Work order given	31/12/2022
7.	Jamnagar Nr Rangmati River	40	DPR Stage	31/12/2022
8.	Junagadh	15.50	DPR Stage	31/12/2022
9.	Junagadh	11.00	DPR Stage	31/12/2022
10.	Junagadh	29.50	DPR Stage	31/12/2022
11.	Balasinor	6.50	Work order given	23/01/2022
12.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
13.	Bhanvad	3.00	Under Tender evaluation	31/03/2022
14.	Savli	2.50	Under Tender evaluation	31/03/2022
15.	Visavadar	3.40	Under Tender evaluation	31/03/2022
16.	Rajpipla	5.02	Under Tender evaluation	31/03/2022
17.	Khambhat-1	6.80	Work order given	04/06/2022
18.	Khambhat-2	4.50	Work order given	04/06/2022
19.	Anklav	3.60	Work order given	04/03/2022
20.	Boriavi	3.30	Under Tender evaluation	31/03/2022
21.	Lunawada	5.60	Under Tender evaluation	31/03/2022
22.	Kanjari	3.30	Under Tender evaluation	31/03/2022
23.	Okha	10.10	Under Tender evaluation	31/03/2022
24.	Beyt (near Okha)	1.20	Under Tender	31/03/2022

			evaluation	
25.	Khambhalia	5.50	Under Tender evaluation	31/03/2022
26.	Salaya, Jamnagar	6.20	Under Tender evaluation	31/03/2022
27.	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
28.	Wankaner	5.80	Tender tobe invited	31/03/2022
29.	Chhaya	13.10	Under Tender evaluation	31/03/2022
30.	Palitana	10.81	Under Tender evaluation	31/03/2022
31.	MandviSurat	3.50	Under Tender evaluation	31/03/2022
32.	Thangadh	9.00	Work order given	07/06/2022
33.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
34.	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
35.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
36.	Babra	4.00	Tender tobe invited	31/12/2022
37.	Kodinar	5.60	Tender tobe invited	31/12/2022
38.	Sutrapada	4.00	Tender tobe invited	31/12/2022
39.	Talala	3.80	Tender tobe invited	31/12/2022
40.	Chorvad	3.70	Tender tobe invited	31/12/2022
41.	Halol	11.60	Tender tobe invited	31/12/2022
42.	Thasra	2.30	Tender tobe invited	31/12/2022
43.	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
44.	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
45.	Jamraval	2.60	Tender tobe invited	31/12/2022
46.	Dhrol	3.60	Tender tobe invited	31/12/2022
47.	Kalavad	3.60	Tender Online	31/12/2022
48.	Halvad	6.70	Under Tender evaluation	31/12/2022
49.	Maliya	2.50	Tender tobe invited	31/12/2022
50.	Kutiyana	2.90	Tender tobe invited	31/12/2022
51.	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
52.	Ranavav-2	4.50	Tender tobe invited	31/12/2022
53.	Dhoraji	12.90	Tender tobe invited	31/12/2022
54.	Bhayavadar	3.10	Tender tobe invited	31/12/2022
55.	Manavadar	4.90	Under Tender evaluation	31/12/2022
56.	Pethapur	3.80	Tender online (earlier tender rejected/ disqualified)	31/03/2022
57.	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
58.	Umargam	6.48	Under Tender	31/12/2022

			evaluation	
59.	Dabhoi	8.96	Under Tender evaluation	31/12/2022
60.	Sikka	2.90	Tender Online	31/12/2022
61.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
62.	Mahesana-1	23.18	Tender Online	31/03/2022
63.	Mahesana-2	18.46	Tender Online	31/03/2022
64.	Jafrabad	5.4	DPR/DTP stage	31/12/2022
65.	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
66.	Shihor	8.9	Tender tobe invited	31/12/2022
67.	Mangrol	9.6	DPR/DTP stage	31/12/2022
68.	Vanthli	2.2	DPR/DTP stage	31/12/2022
69.	Modasa	12.0	DPR/DTP stage	31/12/2022
70.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
71.	Songadh	4.5	Tender tobe invited	31/12/2022
72.	Pardi	4.6	Tender tobe invited	31/12/2022
73.	Karamsad	6.0	Tender tobe invited	31/12/2022
74.	Limdi	7.4	DPR/DTP stage	31/12/2022
75.	Bhachau	1.0	Tender tobe invited	31/12/2022
76.	Rapar	5.2	Tender tobe invited	31/12/2022
77.	Upleta	8.9	DPR/DTP stage	31/12/2022
78.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

Note: 1. Earlier at the time of submission of details regarding Proposed STPs of the State, the Sr.no. was inadvertently written as 80 actually it was 78 (Sr.No. 27 & 28 were skipped by mistake.

2. Work order for STPs at Sr.No. 6,11,17,18,19& 32 have been given

3. STP at Sr. No. 58 i.ePethapur STP of Gandhinagar District will henceforth be reflected along with the other STP of Gandhinagar District at Sr.No.5.

Details of 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
1.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
2.	GandhinagarBhat	30	DPR Stage	31/12/2022

[After addition of the above two newly proposed STPs, total number of proposed STPs in the state are 78 + 2 = 80]

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 December-2020:

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
Dec-2020	D/S of Surendranagar City, Near Wadhwan Bridge	2.7	7.44	2.3	20.72	4	32

Annexure-II (B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River (December-20):

Location of sample collected	WATER PROJECT EMP PROGRAM BORE WELL WATER SAMPLE OF M/s BHAVANI PLASTIC GIDC WADHWAN - MONTHLY	
Sample ID	293516	
Date of sample collection	02/12/2020	
Parameter	**Unit**	**Result**
Arsenic	mg/l	NA
BOD	mg/l	1.2
COD	mg/l	6.77
Copper	mg/l	NA
pH	pH units	7.77
TDS	mg/l	670
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 &XVIIIgiven by Irrigation Dept./WRD as on date

Sr.No	River name	Details/Status
1	Bhogavo	1. Environmental flow: • Bhogavo is not a perennialriver. • 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. • Duringthemonsoonandonavailabilityofexcessflood water from Bhogavo to Kerala. (June toOctober) 2.Details of Good IrrigationPractices: • General government practice of irrigation is maintained in command area of Wadhwan Bhogavo-1 irrigation project and WadhwanBhogawo -2 irrigation project is reserved for Drinking WaterPurpose. • Farmers are made aware to use waterefficiently. 3. Detail on Flood Plain ManagementZone: • As far as WadhwanBhogavo 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 WadhwanBhogavo 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 earlywarningarrangement in consultation with revenue department.

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 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 suchscartly 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 CETPs
November-2020

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	556	SCN Dated 11/01/2021
		BOD	30	34	
2.	M/s. Gujarat VepariMaha Mandal SahkariUdhyogikVasahat Ltd, Ahmedabad	NH_3-N	50	89.88	--
3.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	COD	250	261	SCN Dated 11/01/2021
		BOD	30	36	
4.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	516	Legal notice issued
		BOD	30	57	
5.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	SS	100	242	--
6.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	424	--
7.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	162	Action under process
8.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar	COD	500	597	Action under process
		NH_3-N	50	116.48	
9.	M/s. CETP of Kejriwal Integrated Textile Park Ltd – KITPL	SS	<5	8	--
10.	M/s. Gujarat Eco Textile Park Pvt Ltd, Palsana, Surat	SS	<60	68	Action under process
11.	M/S of Bhatgam washing ghatsudhhikaranYojanaPvt. Ltd., Bhatgam, Rajkot	COD	100	264	NOD issued on 19/12/2020 CETP is under trial run
		BOD	30	85	
		SS	100	126	
12.	M/s Jetpur Dying & Printing	COD	250	610	Action

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
	Association, Jetpur, Rajkot	BOD	100	190	under process CETP is under trial run
		SS	100	248	
13.	M/s Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	270	Action under process CETP is under trial run

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 December – 2020.

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
- Capacity Utilization of existing STPs: 2739 MLD
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
- No. of Operational STPs: 72
- No. of Complying STPs: 24
- No. of Non-complying STPs: 21
- STPs under maintenance / modification: 1
- STPs not obtained CTE / CC&A of GPCB: 13
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 3
- Details of STPs not available: 1
- 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	Details are being prepared

MLD:	
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste includeLandfillable, 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: 21, ➢ Non complying: 13 (Please refer Annexure VI) *(as per CM dash board data for **November-2020**, 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	170
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: 36.42 MT/day
- No. of Hospitals and Health Care Facilities: 31286
- Status of Treatment Facility/ CBMWTF: Existing – 21, Proposed – 1

  Capacity – 126 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: 5 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 wasteinto 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.	Vinzol (35 mld) AMC	Commissioned
2.	Vinzol (100 mld) AMC	Under Progress, 75% Completed. (Revised timeline 30/06/2021)

CETPs:

Industrial waste water generation from the 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 conveying 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
1	Ahmedabad Pirana 2009	60	60	Operational	Not Complying
2	Ahmedabad Old Pirana 2004	106	106	Operational	Not Complying
3	Ahmedabad Pirana 2009	180	180	Operational	Not Complying
4	Ahmedabad Vasna 2004	126	126	Operational	Complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Not Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Complying
8	Ahmedabad Vasna 2018	48	48	Operational	Complying
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Complying
10	Ahmedabad Vinzol 2020	35	30	Operational	Not Complying
11	Ahmedabad Arvind Mill	8	8	Operational	Complying
12	Ahmedabad Rasala	1	1	Operational	Complying
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
14	Ahmedabad V S Hospital	1	1	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
15	Ahmedabad Nikol	0.5	0.5	Operational	---
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
17	Ahmedabad Lambha	5	2	Operational	Complying
18	Surat Singanpore 2003/2014	155	147.58	Operational	Not Complying
19	Surat Karanj 1999/2015	140	136.59	Operational	Complying
20	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Not Complying
21	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
22	Surat Bamroli 2008/2019	100	77.9	Operational	Not Complying
23	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
24	Surat Khajod 2011	25	21.36	Operational	Not Complying
25	Surat Asarama 2011	15	19.23	Operational	Not Complying
26	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
27	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Not Complying
28	Surat Gavier	53	15.37	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
	2016				
29	Vadodara Tarsali	52	58	Operational	Not Complying
30	Vadodara Gajarawadi	66	72	Operational	Not Complying
31	Vadodara Kapurai	43	50	Operational	Not Complying
32	Vadodara Rajivnagar	78	32	Operational	Complying
33	Vadodara Sayaji garden	8.5	7	Operational	Under modification
34	Vadodara Channi	21	25	Operational	Not Complying
35	Vadodara Atladara (old)	43	51	Operational	Not Complying
36	Vadodara Atladara (new)	43	54	Operational	Complying
37	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Complying
39	Gandhinagar Basan 2011-12	2	0.3	Operational	Complying
40	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
41	Rajkot Raiyadhar 2017	56	15	Operational	Not Obtained CTE & CCA
42	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not Obtained CTE & CCA
43	Rajkot Nr	15	5	Operational	Complying with

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
	Kothariya Village 2017				the norms.
44	Rajkot Gavaridad 2018	70	30	Operational	Complying
45	Rajkot Madhapar 2019	80	20	Operational	Not Obtained CTE & CCA
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not Obtained CTE & CCA
47	Bhavnagar Behind Excel industries	45	40	Operational	Complying
48	Jamnagar Navagam Ghed	70	65	Operational	CCA renewal rejected for not meeting with the timeline of action plan submitted with CCA application.
49	Gandhidham - Anjar	30.00	22	Operational	Complying
50	Patan	25.00	13	Operational	Not Obtained CTE & CCA
51	Nadiad	51.26	20	Operational	Not Complying
52	Siddhpur	5.62	5	Operational	Oxidation pond
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
54	Sanand	20.50	0	Non - Operational	Under Trail Run
55	Himmatnagar	17.51	6	Operational	Complying
56	Petlad	10.37	8	Operational	Not Obtained CTE & CCA

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
57	Dholka	13.60	8	Operational	Not Complying
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	Not Obtained CTE & CCA
66	Godhra	27.60	4	Operational	Not Complying
67	Bhuj	23.70	19	Operational	Not complying
68	Bhachau	10	4	Operational	CCA expired, not applied for renewal.
69	Anand	33	9	Operational	Not Obtained CTE & CCA
70	Anand	13.5	2.5	Operational	Not Obtained CTE & CCA
71	Surendranagar	32.3	17	Operational	Not Obtained CTE & CCA
72	Valsad-1	20.2	2	Operational	CTE issued CCA yet not applied
73	Morbi	28.8	6	Operational	Complying
Total		3485.66	2738.72		

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	75%	Completed	30/06/2021
2.	Ahmedabad Pirana	155	80%	Completed	31/03/2021
3.	Ahmedabad Maleksaban	30	5%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	Surat Bhesan	100	95%	Completed	31/03/2021
7.	SuratSinganpore	100	88%	Completed	30/06/2021
8.	SuratBhatar	115	58%	Completed	31/07/2021
9.	SuratBamroli	115	40%	Completed	30/04/2021
10.	SuratAsarma	22.5	15%	Completed	30/09/2021
11.	SuratKhajod	30	10%	Completed	30/09/2021
12.	Vadodara Kapurai	60	68%	75%	30/06/2021
13.	Vadodara Chhani	50	22%	Completed	31/12/2021
14.	Vadodara Bhayli	45	10%	Completed	28/02/2022
15.	Vadodara Sayaji garden	7.5	50%	Completed	30/06/2021
16.	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17.	Bhavnagar Axcel Industries	50	21%	Completed	31/05/2022
18.	JunagadhBilkha Road, Near CBSE School	8.2	25%	Completed	31/06/2021
19.	Rajula	5.70	0.00%	Completed	09/07/2021
20.	Bagasara	5.90	5.12%	Completed	09/07/2021
21.	Chalala	2.80	82.00%	Completed	12/04/2021
22.	Mahuva	16.30	37.61%	Completed	21/05/2021
23.	Talaja	5.80	50.00%	Completed	31/05/2021
24.	Una	11.70	81.00%	Completed	25/02/2021
25.	Bantva	2.60	80.25%	Completed	28/02/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
26.	Dehgam	7.60	92.0%	Completed	28/02/2021
27.	Mansa	5.00	15.04%	Completed	24/05/2021
28.	Tharad	4.80	Completed Under Trail Run	Completed	31/12/2020
29.	Dhanera	4.00	25.00%	Completed	15/11/2021
30.	Bhabhar	3.50	25.00%	Completed	30/07/2021
31.	Thara	3.60	20.00%	Completed	15/11/2021
32.	Kadi	12.80	35.00%	Completed	05/09/2021
33.	Unjha	11.60	69.00%	Completed	31/05/2021
34.	Visnagar-1	12.00	86.00%	Completed	04/04/2021
35.	Visnagar-2	5.30	27.00%	Completed	04/04/2021
36.	Kheralu	2.90	35.00%	Completed	10/11/2021
37.	Vijapur	4.10	20.00%	Completed	10/11/2021
38.	Radhanpur	6.00	1.00%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	10/11/2021
39.	Idar	7.40	83.00%	Completed	31/03/2021
40.	Khedbrahma	5.80	68.00%	Completed	11/03/2021
41.	Prantij	3.70	53.30%	Completed	31/03/2021
42.	Talod	3.60	0.00%	Completed	30/10/2021
43.	Vadali	3.80	0.00%	Completed	30/10/2021
44.	Jambusar	5.90	39.00%	Completed	08/10/2021
45.	Amod	3.10	10.00%	Completed	08/10/2021
46.	Bilimora	8.30	10.00%	Completed	04/03/2022
47.	Gandevi	2.60	7.00%	Completed	30/10/2021
48.	Bardoli	11.30	88.00%	Completed	08/03/2021
49.	KanakpurKansad	7.80	0.00%	Completed	After 18 months from possession of land
50.	Vyara	6.50	88.10%	Completed	31/03/2021
51.	nogapur	4.10	29.00%	Completed	30/04/2021
52.	Borsad	9.80	68.7%	Completed	30/04/2021
53.	Umreth	6.10	48.00%	Completed	30/08/2021
54.	Dahod	13.70	98.00%	Completed	Physical work completed, can be commissioned after power connection.
55.	Zalod	4.60	85.00%	Completed	31/03/2021
56.	Devgadhbariya	3.80	75.00%	Completed	31/03/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
57.	Santrampur	2.91	25.00%	Completed	30/09/2021
58.	Kalol (P)	4.77	27.00%	Completed	30/09/2021
59.	Shehra	2.80	2.00%	Completed	30/09/2021
60.	Chhotaudepur	5.00	92.00%	Completed	28/02/2021
61.	Padra	5.60	63.90%	Completed	31/07/2021
62.	Viramgam	4.50	43.00%	Completed	30/05/2021
63.	Bavla	5.80	2.00%	Completed	31/12/2021
64.	Dhandhuka	7.50	86.70%	Completed	28/02/2021
65.	Bareja	3.10	61.00%	Completed	21/02/2021
66.	Chaklasi	4.90	0.00%	Completed	After 15 months from possession of land
67.	Kapadwanj	6.20	9.00%	Completed	31/12/2021
68.	Mehmdabad	5.60	38.00%	Completed	17/11/2021
69.	Dakor	4.90	0.00%	Completed	After 15 months from possession of land
70.	Kheda	5.20	32.00%	Completed	17/11/2021
71.	Chotila-1	2.30	4.00%	Completed	30/09/2021
72.	Chotila-2	1.70	4.00%	Completed	After 15 months from possession of land
73.	Wadhwan	12.10	0.00%	Completed	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.

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
74.	Dhangadhra	11.60	95.00%	Completed	28/02/2021
75.	Barwala	2.90	6.00%	Completed	09/07/2021
76.	Jasdan	8.80	Completed Under trial run	Completed	31/12/2020
77.	Harij	3.00	4.00%	Completed	31/12/2021
78.	Chanasma	2.50	0.00%	Completed	After 15 months from possession of land
79.	Ode	2.50	2.00%	Completed	09/09/2021
80.	Karjan	5.20	6.75%	Completed	09/12/2021
81.	Vadnagar	5.94	95.00%	Completed	31/12/2020
82.	Botad	32.00	86.00%	Completed	28/02/2021
83.	Morbi-2	9.30	87.60%	Completed	31/03/2021
84.	Jetpur	23.50	88.00%	Completed	31/01/2021
85.	Gondal	16.50	46.00%	Completed	30/06/2021
86.	Amreli	18.20	71.00%	Completed	31/05/2021
87.	Kalol	23.50	16.00%	Completed	31/03/2021
88.	Palanpur	21.30	3.00%	95%	31/03/2021
89.	Deesa	17.00	62.00%	Completed	31/03/2021
90.	Bharuch	29.32	79.00%	90%	31/03/2021
91.	Vapi-1	14.00	40.00%	Completed	31/03/2021
92.	Anand-3	6.50	80.00%	Completed	31/03/2021
93.	Porbandar-1	12.80	80.00%	Completed	31/03/2021
94.	Porbandar-2	19.10	90.00%	Completed	31/01/2021
95.	Damnagar	2.80	0.00%	Completed	11/02/2022
96.	Lathi	3.80	0.00%	Completed	11/02/2022
97.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1706.34			

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	Work to be Awarded	31/12/2022
2.	Vadodara Tarsali	48	DPR Stage	31/12/2022
3.	Vadodara Atladara	83	DPR Stage	31/12/2022

4.	Vadodara Gajarawadi	93	DPR Stage	31/12/2022
5.	GandhinagarSargasan	50	DPR Stage	31/12/2022
6.	Bhavnagar Akwada	19.2	Work order given	31/12/2022
7.	Jamnagar Nr Rangmati River	40	DPR Stage	31/12/2022
8.	Junagadh	15.50	DPR Stage	31/12/2022
9.	Junagadh	11.00	DPR Stage	31/12/2022
10.	Junagadh	29.50	DPR Stage	31/12/2022
11.	Balasinor	6.50	Work order given	23/01/2022
12.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
13.	Bhanvad	3.00	Under Tender evaluation	31/03/2022
14.	Savli	2.50	Under Tender evaluation	31/03/2022
15.	Visavadar	3.40	Under Tender evaluation	31/03/2022
16.	Rajpipla	5.02	Under Tender evaluation	31/03/2022
17.	Khambhat-1	6.80	Work order given	04/06/2022
18.	Khambhat-2	4.50	Work order given	04/06/2022
19.	Anklav	3.60	Work order given	04/03/2022
20.	Boriavi	3.30	Under Tender evaluation	31/03/2022
21.	Lunawada	5.60	Under Tender evaluation	31/03/2022
22.	Kanjari	3.30	Under Tender evaluation	31/03/2022
23.	Okha	10.10	Under Tender evaluation	31/03/2022
24.	Beyt (near Okha)	1.20	Under Tender evaluation	31/03/2022
25.	Khambhalia	5.50	Under Tender evaluation	31/03/2022
26.	Salaya, Jamnagar	6.20	Under Tender evaluation	31/03/2022
27.	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
28.	Wankaner	5.80	Tender tobe invited	31/03/2022
29.	Chhaya	13.10	Under Tender evaluation	31/03/2022
30.	Palitana	10.81	Under Tender evaluation	31/03/2022

31.	MandviSurat	3.50	Under Tender evaluation	31/03/2022
32.	Thangadh	9.00	Work order given	07/06/2022
33.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
34.	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
35.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
36.	Babra	4.00	Tender tobe invited	31/12/2022
37.	Kodinar	5.60	Tender tobe invited	31/12/2022
38.	Sutrapada	4.00	Tender tobe invited	31/12/2022
39.	Talala	3.80	Tender tobe invited	31/12/2022
40.	Chorvad	3.70	Tender tobe invited	31/12/2022
41.	Halol	11.60	Tender tobe invited	31/12/2022
42.	Thasra	2.30	Tender tobe invited	31/12/2022
43.	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
44.	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
45.	Jamraval	2.60	Tender tobe invited	31/12/2022
46.	Dhrol	3.60	Tender tobe invited	31/12/2022
47.	Kalavad	3.60	Tender Online	31/12/2022
48.	Halvad	6.70	Under Tender evaluation	31/12/2022
49.	Maliya	2.50	Tender tobe invited	31/12/2022
50.	Kutiyana	2.90	Tender tobe invited	31/12/2022
51.	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
52.	Ranavav-2	4.50	Tender tobe invited	31/12/2022
53.	Dhoraji	12.90	Tender tobe invited	31/12/2022
54.	Bhayavadar	3.10	Tender tobe invited	31/12/2022
55.	Manavadar	4.90	Under Tender evaluation	31/12/2022
56.	Pethapur	3.80	Tender online (earlier tender rejected/ disqualified)	31/03/2022
57.	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
58.	Umargam	6.48	Under Tender evaluation	31/12/2022
59.	Dabhoi	8.96	Under Tender evaluation	31/12/2022
60.	Sikka	2.90	Tender Online	31/12/2022
61.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
62.	Mahesana-1	23.18	Tender Online	31/03/2022
63.	Mahesana-2	18.46	Tender Online	31/03/2022
64.	Jafrabad	5.4	DPR/DTP stage	31/12/2022
65.	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
66.	Shihor	8.9	Tender tobe invited	31/12/2022
67.	Mangrol	9.6	DPR/DTP stage	31/12/2022
68.	Vanthli	2.2	DPR/DTP stage	31/12/2022

69.	Modasa	12.0	DPR/DTP stage	31/12/2022
70.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
71.	Songadh	4.5	Tender tobe invited	31/12/2022
72.	Pardi	4.6	Tender tobe invited	31/12/2022
73.	Karamsad	6.0	Tender tobe invited	31/12/2022
74.	Limdi	7.4	DPR/DTP stage	31/12/2022
75.	Bhachau	1.0	Tender tobe invited	31/12/2022
76.	Rapar	5.2	Tender tobe invited	31/12/2022
77.	Upleta	8.9	DPR/DTP stage	31/12/2022
78.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

Note: 1. Earlier at the time of submission of details regarding Proposed STPs of the State, the Sr.no. was inadvertently written as 80 actually it was 78 (Sr.No. 27 & 28 were skipped by mistake.

2. Work order for STPs at Sr.No. 6,11,17,18,19& 32 have been given

3. STP at Sr. No. 58 i.ePethapur STP of Gandhinagar District will henceforth be reflected along with the other STP of Gandhinagar District at Sr.No.5.

Details of 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
1.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
2.	GandhinagarBhat	30	DPR Stage	31/12/2022

[After addition of the above two newly proposed STPs, total number of proposed STPs in the state are 78 + 2 = 80]

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 December-2020:

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	7.89	42	272	>1600	>1600

Annexure-II (B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River for November - 20:

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:

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:

VinzolSTP(70MLD)(21913)

Location of sample collection	Discharge norms	Analysis Results
Final out let of STP Dtd. 30/12/2020	pH-6.5 to 8.5	7.45
	BOD- Less than 20mg/L	6mg/L
	SS- Less than 30mg/L	14mg/L
	Total coliform(TC)- < 1000 MPN/100 ml	120
	Fecal coliform(FC)- < 1000 MPN/100 ml	63
	Residual Chlorine-0.5mh/L	BDL

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 waterisflownintotheriverwhichflowsintotheriveruptomonthofFebruary-March.Inthesummerseason Water is released after treated as per thegovernment norms by Municipal Corporation from the STP plants situated on the banks of theriver. • Sufficient water is flown during almost all of the year hence the question does notarise. 2. Detail of Good IrrigationPractices: • 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 NarmadaCanal. 3. Detail on Flood Plain ManagementZone: • 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 inconsultationwith revenue department.

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 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 CETPs
November-2020

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	556	SCN Dated 11/01/2021
		BOD	30	34	
2.	M/s. Gujarat VepariMaha Mandal SahkariUdhyogikVasahat Ltd, Ahmedabad	NH_3-N	50	89.88	--
3.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	COD	250	261	SCN Dated 11/01/2021
		BOD	30	36	
4.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	516	Legal notice issued
		BOD	30	57	
5.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	SS	100	242	--
6.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	424	--
7.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	162	Action under process
8.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar	COD	500	597	Action under process
		NH_3-N	50	116.48	
9.	M/s. CETP of Kejriwal Integrated Textile Park Ltd – KITPL	SS	<5	8	--
10	M/s. Gujarat Eco Textile Park Pvt Ltd, Palsana, Surat	SS	<60	68	Action under process

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
11	M/S of Bhatgam washing ghatsudhhikaranYojanaPvt. Ltd., Bhatgam, Rajkot	COD	100	264	NOD issued on 19/12/2020 CETP is under trial run
		BOD	30	85	
		SS	100	126	
12	M/s Jetpur Dying & Printing Association, Jetpur, Rajkot	COD	250	610	Action under process CETP is under trial run
		BOD	100	190	
		SS	100	248	
13	M/s Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	270	Action under process CETP is under trial run

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 December – 2020.

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
- Capacity Utilization of existing STPs: 2739 MLD
- MLD of sewage being treated through Alternate technology: Sewage is being treated through conventional STPs.
- Gap in Treatment Capacity in MLD: 518 MLD
- No. of Operational STPs: 72
- No. of Complying STPs: 24
- No. of Non-complying STPs: 21
- STPs under maintenance / modification: 1
- STPs not obtained CTE / CC&A of GPCB: 13
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 3
- Details of STPs not available: 1
- 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 includeLandfillable, 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: 21, ➢ Non complying: 13 (Please refer Annexure VI) *(as per CM dash board data for **November-2020**, 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	170
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: 36.42 MT/day
- No. of Hospitals and Health Care Facilities: 31286
- Status of Treatment Facility/ CBMWTF: Existing – 21, Proposed – 1

  Capacity – 126 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: 5 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 wasteinto 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.	Pirana 155 MLD STP	80% construction completed (Revised timeline 31/03/2021)
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. (Time line 31/12/2022)
4.	STP at Kotarpur 60 MLD	Tender approved and work order given.01% Physical progress. (Time line 30/09/2022)
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 05/01/2021 submitted that 80% civil work has been completed and 75% of installation work of 3 FCR is completed. The completion date of the project will be extended from March 2021 to June – 2021 because the civil work was put on hold for 8-10 days owing to the massive fire incidence in the adjoining industrial units. Further the continuity of the civil work and erection of FCRs is adversely affected due to imposition of night curfew because of Covid-19 pandemic. (Revised timeline June-2021)
2.	NarodaEnviro 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.	OdhavEnviro Projects Ltd. (OEPL) Modification:- Proposed Spray Dryer	Completed the installation of common effluent spray dryer project.
4.	NarolDyestuff Enviro Society (NDES) Expn. up to 0.45 MLD	At present no plan for further expansion of CETP due to current situation. However, Up-gradation of 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	Recently completed some up-gradation in their CETP to meet with the norms. Due to financial constraints and average flow of 70-80 MLD against the 100 MLD

	(NTIEM)Expn:- 100 to 130 MLD	capacity of CETP in current situation, plan for expansion of CETP was delayed. Efforts for arranging finance towards capacity enhancement have been started. Detailed project report submitted to GITCO and after obtaining appraisal report from GITCO, same will be submitted to Govt. of Gujarat & Govt. of India along with the application for modernization & capacity expansion of the CETP. Existing CETP is meeting with the norms except colour.
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.
- **DPR of the project is ready. Tenders for the project have been floated.**

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
1	Ahmedabad Pirana 2009	60	60	Operational	Not Complying
2	Ahmedabad Old Pirana 2004	106	106	Operational	Not Complying
3	Ahmedabad Pirana 2009	180	180	Operational	Not Complying
4	Ahmedabad Vasna 2004	126	126	Operational	Complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Not Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Complying
8	Ahmedabad Vasna 2018	48	48	Operational	Complying
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Complying
10	Ahmedabad Vinzol 2020	35	30	Operational	Not Complying
11	Ahmedabad Arvind Mill	8	8	Operational	Complying
12	Ahmedabad Rasala	1	1	Operational	Complying
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
14	Ahmedabad V S Hospital	1	1	Operational	Complying
15	Ahmedabad Nikol	0.5	0.5	Operational	---
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
17	Ahmedabad Lambha	5	2	Operational	Complying
18	Surat Singanpore 2003/2014	155	147.58	Operational	Not Complying
19	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
	1999/2015				
20	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Not Complying
21	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
22	Surat Bamroli 2008/2019	100	77.9	Operational	Not Complying
23	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
24	Surat Khajod 2011	25	21.36	Operational	Not Complying
25	Surat Asarama 2011	15	19.23	Operational	Not Complying
26	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
27	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Not Complying
28	Surat Gavier 2016	53	15.37	Operational	Complying
29	Vadodara Tarsali	52	58	Operational	Not Complying
30	Vadodara Gajarawadi	66	72	Operational	Not Complying
31	Vadodara Kapurai	43	50	Operational	Not Complying
32	Vadodara Rajivnagar	78	32	Operational	Complying
33	Vadodara Sayaji garden	8.5	7	Operational	Under modification
34	Vadodara Channi	21	25	Operational	Not Complying
35	Vadodara Atladara (old)	43	51	Operational	Not Complying
36	Vadodara Atladara (new)	43	54	Operational	Complying
37	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Complying
39	Gandhinagar Basan 2011-12	2	0.3	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
40	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
41	Rajkot Raiyadhar 2017	56	15	Operational	Not Obtained CTE & CCA
42	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not Obtained CTE & CCA
43	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying with the norms.
44	Rajkot Gavaridad 2018	70	30	Operational	Complying
45	Rajkot Madhapar 2019	80	20	Operational	Not Obtained CTE & CCA
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not Obtained CTE & CCA
47	Bhavnagar Behind Excel industries	45	40	Operational	Complying
48	Jamnagar Navagam Ghed	70	65	Operational	CCA renewal rejected for not meeting with the timeline of action plan submitted with CCA application.
49	Gandhidham - Anjar	30.00	22	Operational	Complying
50	Patan	25.00	13	Operational	Not Obtained CTE & CCA
51	Nadiad	51.26	20	Operational	Not Complying
52	Siddhpur	5.62	5	Operational	Oxidation pond
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
54	Sanand	20.50	0	Non - Operational	Under Trail Run
55	Himmatnagar	17.51	6	Operational	Complying
56	Petlad	10.37	8	Operational	Not Obtained CTE & CCA
57	Dholka	13.60	8	Operational	Not Complying
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

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
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	Not Obtained CTE & CCA
66	Godhra	27.60	4	Operational	Not Complying
67	Bhuj	23.70	19	Operational	Not complying
68	Bhachau	10	4	Operational	CCA expired, not applied for renewal.
69	Anand	33	9	Operational	Not Obtained CTE & CCA
70	Anand	13.5	2.5	Operational	Not Obtained CTE & CCA
71	Surendranagar	32.3	17	Operational	Not Obtained CTE & CCA
72	Valsad-1	20.2	2	Operational	CTE issued CCA yet not applied
73	Morbi	28.8	6	Operational	Complying
Total		3485.66	2738.72		

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	75%	Completed	30/06/2021
2.	Ahmedabad Pirana	155	80%	Completed	31/03/2021
3.	Ahmedabad Maleksaban	30	5%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	Surat Bhesan	100	95%	Completed	31/03/2021
7.	SuratSinganpore	100	88%	Completed	30/06/2021
8.	SuratBhatar	115	58%	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
9.	SuratBamroli	115	40%	Completed	30/04/2021
10.	SuratAsarma	22.5	15%	Completed	30/09/2021
11.	SuratKhajod	30	10%	Completed	30/09/2021
12.	Vadodara Kapurai	60	68%	75%	30/06/2021
13.	Vadodara Chhani	50	22%	Completed	31/12/2021
14.	Vadodara Bhayli	45	10%	Completed	28/02/2022
15.	Vadodara Sayaji garden	7.5	50%	Completed	30/06/2021
16.	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17.	Bhavnagar Axcel Industries	50	21%	Completed	31/05/2022
18.	JunagadhBilkha Road, Near CBSE School	8.2	25%	Completed	31/06/2021
19.	Rajula	5.70	0.00%	Completed	09/07/2021
20.	Bagasara	5.90	5.12%	Completed	09/07/2021
21.	Chalala	2.80	82.00%	Completed	12/04/2021
22.	Mahuva	16.30	37.61%	Completed	21/05/2021
23.	Talaja	5.80	50.00%	Completed	31/05/2021
24.	Una	11.70	81.00%	Completed	25/02/2021
25.	Bantva	2.60	80.25%	Completed	28/02/2021
26.	Dehgam	7.60	92.0%	Completed	28/02/2021
27.	Mansa	5.00	15.04%	Completed	24/05/2021
28.	Tharad	4.80	Completed Under Trail Run	Completed	31/12/2020
29.	Dhanera	4.00	25.00%	Completed	15/11/2021
30.	Bhabhar	3.50	25.00%	Completed	30/07/2021
31.	Thara	3.60	20.00%	Completed	15/11/2021
32.	Kadi	12.80	35.00%	Completed	05/09/2021
33.	Unjha	11.60	69.00%	Completed	31/05/2021
34.	Visnagar-1	12.00	86.00%	Completed	04/04/2021
35.	Visnagar-2	5.30	27.00%	Completed	04/04/2021
36.	Kheralu	2.90	35.00%	Completed	10/11/2021
37.	Vijapur	4.10	20.00%	Completed	10/11/2021
38.	Radhanpur	6.00	1.00%	98% (All civil work completed	10/11/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
				except 150 m rising main balanced due to local opposition)	
39.	Idar	7.40	83.00%	Completed	31/03/2021
40.	Khedbrahma	5.80	68.00%	Completed	11/03/2021
41.	Prantij	3.70	53.30%	Completed	31/03/2021
42.	Talod	3.60	0.00%	Completed	30/10/2021
43.	Vadali	3.80	0.00%	Completed	30/10/2021
44.	Jambusar	5.90	39.00%	Completed	08/10/2021
45.	Amod	3.10	10.00%	Completed	08/10/2021
46.	Bilimora	8.30	10.00%	Completed	04/03/2022
47.	Gandevi	2.60	7.00%	Completed	30/10/2021
48.	Bardoli	11.30	88.00%	Completed	08/03/2021
49.	KanakpurKansad	7.80	0.00%	Completed	After 18 months from possession of land
50.	Vyara	6.50	88.10%	Completed	31/03/2021
51.	nogapur	4.10	29.00%	Completed	30/04/2021
52.	Borsad	9.80	68.7%	Completed	30/04/2021
53.	Umreth	6.10	48.00%	Completed	30/08/2021
54.	Dahod	13.70	98.00%	Completed	Physical work completed, can be commissioned after power connection.
55.	Zalod	4.60	85.00%	Completed	31/03/2021
56.	Devgadhbariya	3.80	75.00%	Completed	31/03/2021
57.	Santrampur	2.91	25.00%	Completed	30/09/2021
58.	Kalol (P)	4.77	27.00%	Completed	30/09/2021
59.	Shehra	2.80	2.00%	Completed	30/09/2021
60.	Chhotaudepur	5.00	92.00%	Completed	28/02/2021
61.	Padra	5.60	63.90%	Completed	31/07/2021
62.	Viramgam	4.50	43.00%	Completed	30/05/2021
63.	Bavla	5.80	2.00%	Completed	31/12/2021
64.	Dhandhuka	7.50	86.70%	Completed	28/02/2021
65.	Bareja	3.10	61.00%	Completed	21/02/2021
66.	Chaklasi	4.90	0.00%	Completed	After 15 months from possession of land
67.	Kapadwanj	6.20	9.00%	Completed	31/12/2021
68.	Mehmdabad	5.60	38.00%	Completed	17/11/2021
69.	Dakor	4.90	0.00%	Completed	After 15 months from possession of land

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
70.	Kheda	5.20	32.00%	Completed	17/11/2021
71.	Chotila-1	2.30	4.00%	Completed	30/09/2021
72.	Chotila-2	1.70	4.00%	Completed	After 15 months from possession of land
73.	Wadhwan	12.10	0.00%	Completed	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.
74.	Dhangadhra	11.60	95.00%	Completed	28/02/2021
75.	Barwala	2.90	6.00%	Completed	09/07/2021
76.	Jasdan	8.80	Completed Under trial run	Completed	31/12/2020
77.	Harij	3.00	4.00%	Completed	31/12/2021
78.	Chanasma	2.50	0.00%	Completed	After 15 months from possession of land
79.	Ode	2.50	2.00%	Completed	09/09/2021
80.	Karjan	5.20	6.75%	Completed	09/12/2021
81.	Vadnagar	5.94	95.00%	Completed	31/12/2020
82.	Botad	32.00	86.00%	Completed	28/02/2021
83.	Morbi-2	9.30	87.60%	Completed	31/03/2021
84.	Jetpur	23.50	88.00%	Completed	31/01/2021
85.	Gondal	16.50	46.00%	Completed	30/06/2021
86.	Amreli	18.20	71.00%	Completed	31/05/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
87.	Kalol	23.50	16.00%	Completed	31/03/2021
88.	Palanpur	21.30	3.00%	95%	31/03/2021
89.	Deesa	17.00	62.00%	Completed	31/03/2021
90.	Bharuch	29.32	79.00%	90%	31/03/2021
91.	Vapi-1	14.00	40.00%	Completed	31/03/2021
92.	Anand-3	6.50	80.00%	Completed	31/03/2021
93.	Porbandar-1	12.80	80.00%	Completed	31/03/2021
94.	Porbandar-2	19.10	90.00%	Completed	31/01/2021
95.	Damnagar	2.80	0.00%	Completed	11/02/2022
96.	Lathi	3.80	0.00%	Completed	11/02/2022
97.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1706.34			

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	Work to be Awarded	31/12/2022
2.	Vadodara Tarsali	48	DPR Stage	31/12/2022
3.	Vadodara Atladara	83	DPR Stage	31/12/2022
4.	Vadodara Gajarawadi	93	DPR Stage	31/12/2022
5.	GandhinagarSargasan	50	DPR Stage	31/12/2022
6.	Bhavnagar Akwada	19.2	Work order given	31/12/2022
7.	Jamnagar Nr Rangmati River	40	DPR Stage	31/12/2022
8.	Junagadh	15.50	DPR Stage	31/12/2022
9.	Junagadh	11.00	DPR Stage	31/12/2022
10.	Junagadh	29.50	DPR Stage	31/12/2022
11.	Balasinor	6.50	Work order given	23/01/2022
12.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
13.	Bhanvad	3.00	Under Tender evaluation	31/03/2022

14.	Savli	2.50	Under Tender evaluation	31/03/2022
15.	Visavadar	3.40	Under Tender evaluation	31/03/2022
16.	Rajpipla	5.02	Under Tender evaluation	31/03/2022
17.	Khambhat-1	6.80	Work order given	04/06/2022
18.	Khambhat-2	4.50	Work order given	04/06/2022
19.	Anklav	3.60	Work order given	04/03/2022
20.	Boriavi	3.30	Under Tender evaluation	31/03/2022
21.	Lunawada	5.60	Under Tender evaluation	31/03/2022
22.	Kanjari	3.30	Under Tender evaluation	31/03/2022
23.	Okha	10.10	Under Tender evaluation	31/03/2022
24.	Beyt (near Okha)	1.20	Under Tender evaluation	31/03/2022
25.	Khambhalia	5.50	Under Tender evaluation	31/03/2022
26.	Salaya, Jamnagar	6.20	Under Tender evaluation	31/03/2022
27.	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
28.	Wankaner	5.80	Tender tobe invited	31/03/2022
29.	Chhaya	13.10	Under Tender evaluation	31/03/2022
30.	Palitana	10.81	Under Tender evaluation	31/03/2022
31.	MandviSurat	3.50	Under Tender evaluation	31/03/2022
32.	Thangadh	9.00	Work order given	07/06/2022
33.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
34.	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
35.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
36.	Babra	4.00	Tender tobe invited	31/12/2022
37.	Kodinar	5.60	Tender tobe invited	31/12/2022
38.	Sutrapada	4.00	Tender tobe invited	31/12/2022
39.	Talala	3.80	Tender tobe invited	31/12/2022
40.	Chorvad	3.70	Tender tobe invited	31/12/2022
41.	Halol	11.60	Tender tobe invited	31/12/2022
42.	Thasra	2.30	Tender tobe invited	31/12/2022
43.	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
44.	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022

45.	Jamraval	2.60	Tender tobe invited	31/12/2022
46.	Dhrol	3.60	Tender tobe invited	31/12/2022
47.	Kalavad	3.60	Tender Online	31/12/2022
48.	Halvad	6.70	Under Tender evaluation	31/12/2022
49.	Maliya	2.50	Tender tobe invited	31/12/2022
50.	Kutiyana	2.90	Tender tobe invited	31/12/2022
51.	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
52.	Ranavav-2	4.50	Tender tobe invited	31/12/2022
53.	Dhoraji	12.90	Tender tobe invited	31/12/2022
54.	Bhayavadar	3.10	Tender tobe invited	31/12/2022
55.	Manavadar	4.90	Under Tender evaluation	31/12/2022
56.	Pethapur	3.80	Tender online (earlier tender rejected/ disqualified)	31/03/2022
57.	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
58.	Umargam	6.48	Under Tender evaluation	31/12/2022
59.	Dabhoi	8.96	Under Tender evaluation	31/12/2022
60.	Sikka	2.90	Tender Online	31/12/2022
61.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
62.	Mahesana-1	23.18	Tender Online	31/03/2022
63.	Mahesana-2	18.46	Tender Online	31/03/2022
64.	Jafrabad	5.4	DPR/DTP stage	31/12/2022
65.	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
66.	Shihor	8.9	Tender tobe invited	31/12/2022
67.	Mangrol	9.6	DPR/DTP stage	31/12/2022
68.	Vanthli	2.2	DPR/DTP stage	31/12/2022
69.	Modasa	12.0	DPR/DTP stage	31/12/2022
70.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
71.	Songadh	4.5	Tender tobe invited	31/12/2022
72.	Pardi	4.6	Tender tobe invited	31/12/2022
73.	Karamsad	6.0	Tender tobe invited	31/12/2022
74.	Limdi	7.4	DPR/DTP stage	31/12/2022
75.	Bhachau	1.0	Tender tobe invited	31/12/2022
76.	Rapar	5.2	Tender tobe invited	31/12/2022
77.	Upleta	8.9	DPR/DTP stage	31/12/2022
78.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

Note: 1. Earlier at the time of submission of details regarding Proposed STPs of the State, the Sr.no. was inadvertently written as 80 actually it was 78 (Sr.No. 27 & 28 were skipped by mistake.

2. Work order for STPs at Sr.No. 6,11,17,18,19& 32 have been given

3. **STP at Sr. No. 58 i.ePethapur STP of Gandhinagar District will henceforth be reflected along with the other STP of Gandhinagar District at Sr.No.5.**

Details of 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
1.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
2.	GandhinagarBhat	30	DPR Stage	31/12/2022

[After addition of the above two newly proposed STPs, total number of proposed STPs in the state are 78 + 2 = 80]

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 December-2020:

Sr No	River Sabarmati at	PH	COD (mg/I)	BOD (mg/I)	DO (mg/I)	TC (MPN)	FC (MPN)
1.	**Kheroj**	7.75	06	0.91	7.21	94	13
2.	**Mahudi**	Sample was not collected due to stagnant water					
3.	**Chiloda**	8.0	09	1.32	7.91	70	12
4.	**Hansol Bridge**	7.58	08	1.61	7.03	70	12
5.	**Railway Bridge**	7.65	07	1.75	6.89	170	33
6.	**V N Bridge**	8.37	423	88	Nil	>1600	>1600
7.	**Miroli**	7.39	124	14	1.89	>1600	>1600
8.	**Vautha**	7.67	50	12	6.54	920	540

Annexure-II (B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River for December-2020:

Sr No	Bore wells	pH	BOD(mg/I)	COD(mg/I)	TDS(mg/I)
1.	**Gandhi Ashram**, Ahmedabad	7.63	0.90	08	372
2.	**Jain Temple**, Ahmedabad (Half yearly)	Half yearly project hence sample not collected			
3.	**P T College**, Ahmedabad	7.59	0.91	08	368
4.	**Pirana Pumping Station**, Ahmedabad (Half Yearly)	Half yearly project hence sample not collected			
5.	**GyaspurNr.MSW Site**, Ahmedabad	7.36	0.85	09	2134
6.	**Ajmeri Farm**, Ahmedabad	7.18	0.87	09	1620
7.	**Excel Industries**, Ahmedabad	7.25	0.85	11	2038
8.	**UPL Djl**, Ahmedabad	7.15	0.92	09	2436
9.	**Miroli Pumping Station**, Ahmedabad	Sample is not collected due to three monthly(3M) project			
10.	**NaklangMahadev**, Ahmedabad	Sample is not collected due to three monthly(3M) project			
11.	**Paldi-Kankaj**, Ahmedabad	Sample is not collected due to three monthly(3M) project			
12.	**GIDC Naroda**, Ahmedabad	8.08	0.68	07	874
13.	**GIDC-Vatva**, Ahmedabad	8.02	0.65	7.0	1242
14.	**GIDC-GVMM**, Ahmedabad	8.28	0.86	07	932

15.	**GIDC-Odhav**, Ahmedabad	8.06	0.76	07	1032
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, PethapurNagarpalika, flow-55.3 MLD
- Domestic waste water discharged through natural drain nala, Village – Koteshwar, flow- 0.73 MLD
- Domestic waste water discharged through 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 (December-2020)

Sr No	Parameters	pH	BOD (mg/I)	TSS (mg/I)	FCO MPN/100 ml	Residual chlorine (mg/l)	Compliance
	Discharging Norms	**6.5 to 9.0**	**20**	**<50**	**<1000 MPN/100 ml**	**0.5**	
1	AMC PIRANA STP 60 MLD (ASP TYPE)	7.22	36	26	>1600	BDL	Not Complying
2	AMC PIRANA STP 106 MLD (UASB TYPE)	7.45	39	12	>1600	BDL	Not Complying
3	AMC PIRANA STP 180 MLD (ASP TYPE)	7.22	52	40	>1600	BDL	Not Complying
4	AMC VASNA OLD STP 126 MLD (UASB TYPE)	7.09	09	08	170	-	Complying
5	AMC VASNA STP 35 MLD (ASP TYPE)	7.33	<5	06	170	-	Complying
6	AMC VASNA STP 240 MLD (ASP TYPE)	7.36	22	06	920	BDL	Not Complying
7	AMC VASNA STP 48 MLD (SBR TYPE)	7.25	08	04	540	BDL	Complying

8	AMC STP 60 MLD, VADAJ (SBR TYPE)	7.24	07	02	280	BDL	Complying
9	AMC STP 25 MLD, (SBR TYPE)	7.08	09	02	350	BDL	Complying

CETP Results (December-2020)

Sr No	Parameters	pH	COD(mg/I)	BOD(mg/I)	Compliance
	Discharging norms of CETPs	**6.5 – 8.5**	**250**	**30**	
1.	CETP GREEN VATVA(14438)	7.19	556	34	Not Complying
2.	CETP NEPL(12718)	7.05	344	36	Not Complying
3.	CETP OEPL(12890)	7.23	124	16	Complying
4.	CETP OGEPL(12891)	6.88	384	41	Not Complying
5.	CETP GVMM(11536)	7.38	223	38	Not Complying
6.	NAROL DYE STUFF CETP(12720)	7.60	137	14	Complying
7.	Narol Textile Infrastructure &Enviro Management (Narol Textile CETP)(34244)	7.75	79	9	Complying

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 perennialriver • Proposedplantoachievemine-flow:Sufficientwater is released in D/S of Dharoi dam in Sabarmati River hence question does notarise. 2. Details of Good IrrigationPractices: • General government practice of irrigation is maintained in command area of VasanaBarrage. • Farmers are made aware to use waterefficiently. • 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 VasanaBarrage. 3. Detail on Flood Plain ManagementZone: • As far as Vasana Barrage is concerned 7 villages of Ahmadabad District, 8 villages of Kheda and 1 Village ofAnandareidentifiedwhichandmaybeaffecteddueto 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 warnedthroughearly warning arrangement in consultation with revenue department.

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
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 CETPs
November-2020

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	556	SCN Dated 11/01/2021
		BOD	30	34	
2.	M/s. Gujarat VepariMaha Mandal SahkariUdhyogikVasahat Ltd, Ahmedabad	NH_3-N	50	89.88	--
3.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	COD	250	261	SCN Dated 11/01/2021
		BOD	30	36	
4.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	516	Legal notice issued
		BOD	30	57	
5.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	SS	100	242	--
6.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	424	--
7.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	162	Action under process
8.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar	COD	500	597	Action under process
		NH_3-N	50	116.48	
9.	M/s. CETP of Kejriwal Integrated Textile Park Ltd – KITPL	SS	<5	8	--
10	M/s. Gujarat Eco Textile Park Pvt Ltd, Palsana, Surat	SS	<60	68	Action under process
11	M/S of Bhatgam washing ghatsudhhikaranYojanaPvt. Ltd., Bhatgam, Rajkot	COD	100	264	NOD issued on 19/12/2020 CETP is under trial run
		BOD	30	85	
		SS	100	126	
12	M/s Jetpur Dying & Printing	COD	250	610	Action

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
	Association, Jetpur, Rajkot	BOD	100	190	under process CETP is under trial run
		SS	100	248	
13	M/s Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	270	Action under process CETP is under trial run

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 December – 2020.

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
- Capacity Utilization of existing STPs: 2739 MLD
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
- No. of Operational STPs: 72
- No. of Complying STPs: 24
- No. of Non-complying STPs: 21
- STPs under maintenance / modification: 1
- STPs not obtained CTE / CC&A of GPCB: 13
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 3
- Details of STPs not available: 1
- 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	Details are being prepared.

MLD:	
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste includeLandfillable, 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: 21, ➢ Non complying: 13 (Please refer Annexure VI) *(as per CM dash board data for **November-2020**, 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	170
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: 36.42 MT/day
- No. of Hospitals and Health Care Facilities: 31286
- Status of Treatment Facility/ CBMWTF: Existing – 21, Proposed – 1

  Capacity – 126 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: 5 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 wasteinto 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.	Kapurai (new) (60 MLD) (STP + Network)	68% work of STP is completed. (Revised timeline 30/06/2021)
2.	Sayaji garden (7.5 MLD)	50% work is completed (Revised timeline 30/06/2021)
3.	Channi (new) (50 MLD) (STP + Network)	22% work of STP is completed (Revised timeline 31/12/2021)
4.	Atladara (new) (83 MLD)*	Tender online. (Revised timeline 31/12/2022)
5.	Tarsali/GIDC (new) (100 MLD) (STP + Network)*	Tender online. (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
1	Ahmedabad Pirana 2009	60	60	Operational	Not Complying
2	Ahmedabad Old Pirana 2004	106	106	Operational	Not Complying
3	Ahmedabad Pirana 2009	180	180	Operational	Not Complying
4	Ahmedabad Vasna 2004	126	126	Operational	Complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Not Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Complying
8	Ahmedabad Vasna 2018	48	48	Operational	Complying
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Complying
10	Ahmedabad Vinzol 2020	35	30	Operational	Not Complying
11	Ahmedabad Arvind Mill	8	8	Operational	Complying
12	Ahmedabad Rasala	1	1	Operational	Complying
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
14	Ahmedabad V S Hospital	1	1	Operational	Complying
15	Ahmedabad Nikol	0.5	0.5	Operational	---
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
17	Ahmedabad Lambha	5	2	Operational	Complying
18	Surat Singanpore 2003/2014	155	147.58	Operational	Not Complying
19	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
	1999/2015				
20	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Not Complying
21	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
22	Surat Bamroli 2008/2019	100	77.9	Operational	Not Complying
23	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
24	Surat Khajod 2011	25	21.36	Operational	Not Complying
25	Surat Asarama 2011	15	19.23	Operational	Not Complying
26	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
27	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Not Complying
28	Surat Gavier 2016	53	15.37	Operational	Complying
29	Vadodara Tarsali	52	58	Operational	Not Complying
30	Vadodara Gajarawadi	66	72	Operational	Not Complying
31	Vadodara Kapurai	43	50	Operational	Not Complying
32	Vadodara Rajivnagar	78	32	Operational	Complying
33	Vadodara Sayaji garden	8.5	7	Operational	Under modification
34	Vadodara Channi	21	25	Operational	Not Complying
35	Vadodara Atladara (old)	43	51	Operational	Not Complying
36	Vadodara Atladara (new)	43	54	Operational	Complying
37	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Complying
39	Gandhinagar Basan 2011-12	2	0.3	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
40	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
41	Rajkot Raiyadhar 2017	56	15	Operational	Not Obtained CTE & CCA
42	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not Obtained CTE & CCA
43	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying with the norms.
44	Rajkot Gavaridad 2018	70	30	Operational	Complying
45	Rajkot Madhapar 2019	80	20	Operational	Not Obtained CTE & CCA
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not Obtained CTE & CCA
47	Bhavnagar Behind Excel industries	45	40	Operational	Complying
48	Jamnagar Navagam Ghed	70	65	Operational	CCA renewal rejected for not meeting with the timeline of action plan submitted with CCA application.
49	Gandhidham - Anjar	30.00	22	Operational	Complying
50	Patan	25.00	13	Operational	Not Obtained CTE & CCA
51	Nadiad	51.26	20	Operational	Not Complying
52	Siddhpur	5.62	5	Operational	Oxidation pond
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
54	Sanand	20.50	0	Non - Operational	Under Trail Run
55	Himmatnagar	17.51	6	Operational	Complying
56	Petlad	10.37	8	Operational	Not Obtained CTE & CCA
57	Dholka	13.60	8	Operational	Not Complying
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

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
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	Not Obtained CTE & CCA
66	Godhra	27.60	4	Operational	Not Complying
67	Bhuj	23.70	19	Operational	Not complying
68	Bhachau	10	4	Operational	CCA expired, not applied for renewal.
69	Anand	33	9	Operational	Not Obtained CTE & CCA
70	Anand	13.5	2.5	Operational	Not Obtained CTE & CCA
71	Surendranagar	32.3	17	Operational	Not Obtained CTE & CCA
72	Valsad-1	20.2	2	Operational	CTE issued CCA yet not applied
73	Morbi	28.8	6	Operational	Complying
Total		3485.66	2738.72		

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	75%	Completed	30/06/2021
2.	Ahmedabad Pirana	155	80%	Completed	31/03/2021
3.	Ahmedabad Maleksaban	30	5%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	Surat Bhesan	100	95%	Completed	31/03/2021
7.	SuratSinganpore	100	88%	Completed	30/06/2021
8.	SuratBhatar	115	58%	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
9.	SuratBamroli	115	40%	Completed	30/04/2021
10.	SuratAsarma	22.5	15%	Completed	30/09/2021
11.	SuratKhajod	30	10%	Completed	30/09/2021
12.	Vadodara Kapurai	60	68%	75%	30/06/2021
13.	Vadodara Chhani	50	22%	Completed	31/12/2021
14.	Vadodara Bhayli	45	10%	Completed	28/02/2022
15.	Vadodara Sayaji garden	7.5	50%	Completed	30/06/2021
16.	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17.	Bhavnagar Axcel Industries	50	21%	Completed	31/05/2022
18.	JunagadhBilkha Road, Near CBSE School	8.2	25%	Completed	31/06/2021
19.	Rajula	5.70	0.00%	Completed	09/07/2021
20.	Bagasara	5.90	5.12%	Completed	09/07/2021
21.	Chalala	2.80	82.00%	Completed	12/04/2021
22.	Mahuva	16.30	37.61%	Completed	21/05/2021
23.	Talaja	5.80	50.00%	Completed	31/05/2021
24.	Una	11.70	81.00%	Completed	25/02/2021
25.	Bantva	2.60	80.25%	Completed	28/02/2021
26.	Dehgam	7.60	92.0%	Completed	28/02/2021
27.	Mansa	5.00	15.04%	Completed	24/05/2021
28.	Tharad	4.80	Completed Under Trail Run	Completed	31/12/2020
29.	Dhanera	4.00	25.00%	Completed	15/11/2021
30.	Bhabhar	3.50	25.00%	Completed	30/07/2021
31.	Thara	3.60	20.00%	Completed	15/11/2021
32.	Kadi	12.80	35.00%	Completed	05/09/2021
33.	Unjha	11.60	69.00%	Completed	31/05/2021
34.	Visnagar-1	12.00	86.00%	Completed	04/04/2021
35.	Visnagar-2	5.30	27.00%	Completed	04/04/2021
36.	Kheralu	2.90	35.00%	Completed	10/11/2021
37.	Vijapur	4.10	20.00%	Completed	10/11/2021
38.	Radhanpur	6.00	1.00%	98% (All civil work completed	10/11/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
				except 150 m rising main balanced due to local opposition)	
39.	Idar	7.40	83.00%	Completed	31/03/2021
40.	Khedbrahma	5.80	68.00%	Completed	11/03/2021
41.	Prantij	3.70	53.30%	Completed	31/03/2021
42.	Talod	3.60	0.00%	Completed	30/10/2021
43.	Vadali	3.80	0.00%	Completed	30/10/2021
44.	Jambusar	5.90	39.00%	Completed	08/10/2021
45.	Amod	3.10	10.00%	Completed	08/10/2021
46.	Bilimora	8.30	10.00%	Completed	04/03/2022
47.	Gandevi	2.60	7.00%	Completed	30/10/2021
48.	Bardoli	11.30	88.00%	Completed	08/03/2021
49.	KanakpurKansad	7.80	0.00%	Completed	After 18 months from possession of land
50.	Vyara	6.50	88.10%	Completed	31/03/2021
51.	nogapur	4.10	29.00%	Completed	30/04/2021
52.	Borsad	9.80	68.7%	Completed	30/04/2021
53.	Umreth	6.10	48.00%	Completed	30/08/2021
54.	Dahod	13.70	98.00%	Completed	Physical work completed, can be commissioned after power connection.
55.	Zalod	4.60	85.00%	Completed	31/03/2021
56.	Devgadhbariya	3.80	75.00%	Completed	31/03/2021
57.	Santrampur	2.91	25.00%	Completed	30/09/2021
58.	Kalol (P)	4.77	27.00%	Completed	30/09/2021
59.	Shehra	2.80	2.00%	Completed	30/09/2021
60.	Chhotaudepur	5.00	92.00%	Completed	28/02/2021
61.	Padra	5.60	63.90%	Completed	31/07/2021
62.	Viramgam	4.50	43.00%	Completed	30/05/2021
63.	Bavla	5.80	2.00%	Completed	31/12/2021
64.	Dhandhuka	7.50	86.70%	Completed	28/02/2021
65.	Bareja	3.10	61.00%	Completed	21/02/2021
66.	Chaklasi	4.90	0.00%	Completed	After 15 months from possession of land
67.	Kapadwanj	6.20	9.00%	Completed	31/12/2021
68.	Mehmdabad	5.60	38.00%	Completed	17/11/2021
69.	Dakor	4.90	0.00%	Completed	After 15 months from possession of land

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
70.	Kheda	5.20	32.00%	Completed	17/11/2021
71.	Chotila-1	2.30	4.00%	Completed	30/09/2021
72.	Chotila-2	1.70	4.00%	Completed	After 15 months from possession of land
73.	Wadhwan	12.10	0.00%	Completed	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.
74.	Dhangadhra	11.60	95.00%	Completed	28/02/2021
75.	Barwala	2.90	6.00%	Completed	09/07/2021
76.	Jasdan	8.80	Completed Under trial run	Completed	31/12/2020
77.	Harij	3.00	4.00%	Completed	31/12/2021
78.	Chanasma	2.50	0.00%	Completed	After 15 months from possession of land
79.	Ode	2.50	2.00%	Completed	09/09/2021
80.	Karjan	5.20	6.75%	Completed	09/12/2021
81.	Vadnagar	5.94	95.00%	Completed	31/12/2020
82.	Botad	32.00	86.00%	Completed	28/02/2021
83.	Morbi-2	9.30	87.60%	Completed	31/03/2021
84.	Jetpur	23.50	88.00%	Completed	31/01/2021
85.	Gondal	16.50	46.00%	Completed	30/06/2021
86.	Amreli	18.20	71.00%	Completed	31/05/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
87.	Kalol	23.50	16.00%	Completed	31/03/2021
88.	Palanpur	21.30	3.00%	95%	31/03/2021
89.	Deesa	17.00	62.00%	Completed	31/03/2021
90.	Bharuch	29.32	79.00%	90%	31/03/2021
91.	Vapi-1	14.00	40.00%	Completed	31/03/2021
92.	Anand-3	6.50	80.00%	Completed	31/03/2021
93.	Porbandar-1	12.80	80.00%	Completed	31/03/2021
94.	Porbandar-2	19.10	90.00%	Completed	31/01/2021
95.	Damnagar	2.80	0.00%	Completed	11/02/2022
96.	Lathi	3.80	0.00%	Completed	11/02/2022
97.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1706.34			

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	Work to be Awarded	31/12/2022
2.	Vadodara Tarsali	48	DPR Stage	31/12/2022
3.	Vadodara Atladara	83	DPR Stage	31/12/2022
4.	Vadodara Gajarawadi	93	DPR Stage	31/12/2022
5.	GandhinagarSargasan	50	DPR Stage	31/12/2022
6.	Bhavnagar Akwada	19.2	Work order given	31/12/2022
7.	Jamnagar Nr Rangmati River	40	DPR Stage	31/12/2022
8.	Junagadh	15.50	DPR Stage	31/12/2022
9.	Junagadh	11.00	DPR Stage	31/12/2022
10.	Junagadh	29.50	DPR Stage	31/12/2022
11.	Balasinor	6.50	Work order given	23/01/2022
12.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
13.	Bhanvad	3.00	Under Tender evaluation	31/03/2022

14.	Savli	2.50	Under Tender evaluation	31/03/2022
15.	Visavadar	3.40	Under Tender evaluation	31/03/2022
16.	Rajpipla	5.02	Under Tender evaluation	31/03/2022
17.	Khambhat-1	6.80	Work order given	04/06/2022
18.	Khambhat-2	4.50	Work order given	04/06/2022
19.	Anklav	3.60	Work order given	04/03/2022
20.	Boriavi	3.30	Under Tender evaluation	31/03/2022
21.	Lunawada	5.60	Under Tender evaluation	31/03/2022
22.	Kanjari	3.30	Under Tender evaluation	31/03/2022
23.	Okha	10.10	Under Tender evaluation	31/03/2022
24.	Beyt (near Okha)	1.20	Under Tender evaluation	31/03/2022
25.	Khambhalia	5.50	Under Tender evaluation	31/03/2022
26.	Salaya, Jamnagar	6.20	Under Tender evaluation	31/03/2022
27.	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
28.	Wankaner	5.80	Tender tobe invited	31/03/2022
29.	Chhaya	13.10	Under Tender evaluation	31/03/2022
30.	Palitana	10.81	Under Tender evaluation	31/03/2022
31.	MandviSurat	3.50	Under Tender evaluation	31/03/2022
32.	Thangadh	9.00	Work order given	07/06/2022
33.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
34.	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
35.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
36.	Babra	4.00	Tender tobe invited	31/12/2022
37.	Kodinar	5.60	Tender tobe invited	31/12/2022
38.	Sutrapada	4.00	Tender tobe invited	31/12/2022
39.	Talala	3.80	Tender tobe invited	31/12/2022
40.	Chorvad	3.70	Tender tobe invited	31/12/2022
41.	Halol	11.60	Tender tobe invited	31/12/2022
42.	Thasra	2.30	Tender tobe invited	31/12/2022
43.	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
44.	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022

45.	Jamraval	2.60	Tender tobe invited	31/12/2022
46.	Dhrol	3.60	Tender tobe invited	31/12/2022
47.	Kalavad	3.60	Tender Online	31/12/2022
48.	Halvad	6.70	Under Tender evaluation	31/12/2022
49.	Maliya	2.50	Tender tobe invited	31/12/2022
50.	Kutiyana	2.90	Tender tobe invited	31/12/2022
51.	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
52.	Ranavav-2	4.50	Tender tobe invited	31/12/2022
53.	Dhoraji	12.90	Tender tobe invited	31/12/2022
54.	Bhayavadar	3.10	Tender tobe invited	31/12/2022
55.	Manavadar	4.90	Under Tender evaluation	31/12/2022
56.	Pethapur	3.80	Tender online (earlier tender rejected/ disqualified)	31/03/2022
57.	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
58.	Umargam	6.48	Under Tender evaluation	31/12/2022
59.	Dabhoi	8.96	Under Tender evaluation	31/12/2022
60.	Sikka	2.90	Tender Online	31/12/2022
61.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
62.	Mahesana-1	23.18	Tender Online	31/03/2022
63.	Mahesana-2	18.46	Tender Online	31/03/2022
64.	Jafrabad	5.4	DPR/DTP stage	31/12/2022
65.	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
66.	Shihor	8.9	Tender tobe invited	31/12/2022
67.	Mangrol	9.6	DPR/DTP stage	31/12/2022
68.	Vanthli	2.2	DPR/DTP stage	31/12/2022
69.	Modasa	12.0	DPR/DTP stage	31/12/2022
70.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
71.	Songadh	4.5	Tender tobe invited	31/12/2022
72.	Pardi	4.6	Tender tobe invited	31/12/2022
73.	Karamsad	6.0	Tender tobe invited	31/12/2022
74.	Limdi	7.4	DPR/DTP stage	31/12/2022
75.	Bhachau	1.0	Tender tobe invited	31/12/2022
76.	Rapar	5.2	Tender tobe invited	31/12/2022
77.	Upleta	8.9	DPR/DTP stage	31/12/2022
78.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

Note: 1. Earlier at the time of submission of details regarding Proposed STPs of the State, the Sr.no. was inadvertently written as 80 actually it was 78 (Sr.No. 27 & 28 were skipped by mistake.

2. Work order for STPs at Sr.No. 6,11,17,18,19& 32 have been given

3. **STP at Sr. No. 58 i.ePethapur STP of Gandhinagar District will henceforth be reflected along with the other STP of Gandhinagar District at Sr.No.5.**

Details of 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
1.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
2.	GandhinagarBhat	30	DPR Stage	31/12/2022

[After addition of the above two newly proposed STPs, total number of proposed STPs in the state are 78 + 2 = 80]

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 December-2020:

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)
294012-04/12/2020	RIVER VISHWAMITRI AT ASOD	7.6	5.0	0.7	8.3	11	63
294007-04/12/2020	RIVER VISHWAMITRI AT KHALIPUR	7.11	94	26	BDL	>1600	>1600

Annexure-II (B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River for December-2020:

Sample ID and Date	Sampling Point	pH	COD	BOD	TDS
294003-04/12/2020	WATER PROJECT RAP BOREWELL AT HANUMAN TEMPLE ATLADRA	7.75	9.0	0.6	1345
294049-04/11/2020	WATER PROJECT RAP BOREWELL AT KAMATIBAUG	7.27	7.0	0.5	782

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	BahucharajiKirti 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**				
December 2020 (10/12/2020)	7.47	189	70	>1600	>1600
	Not 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**				
December 2020 (10/12/2020)	7.48	87	23	>1600	>1600
	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**				
December 2020 (10/12/2020) ***	---	---	---	----	----
	--				

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**				
December 2020 (10/12/2020)	7.37	97	28.13	>1600	>1600
	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**				
December 2020 (10/12/2020)	7.35	25	8.5	>1600	47
	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**				
December 2020 (10/12/2020)	7.31	64	20.33	>1600	>1600
	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**				
December 2020 (10/12/2020)	7.53	88	36.5	>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**				
December 2020 (10/12/2020)	7.6	89	38.5	>1600	>1600
	Not Complying				

***standards as per last CCA , applied for renewal**
**** standard as per last CCA**
*****STP(s) visited on 10/12/2020. 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 Pratapurasarovar (which are under Vadodara, Mahanagarsevasadan)is excess,thefloodwaterisflowinginVishwamitryRiver. Moreover there is disposal of domestic waste water andrecycledsewagewaterfromVadodaraMahanagarsevasadan in Vishwamitry River which passesthorugh the Vadodara City. So the concerned authorities are requestedtostopthedisposalofwaterinVishwamitry River. • Proposedplantoachievemin. e-flow:AsVishwamitriis Non-perennial River hence existing e-flow does not arise. 2. Detail of Good IrrigationPractices: • As there is no irrigation project on Vishwamitry River and in Vadodara to Asod no irrigation is prevailing. Hence no question arises about good irrigation practices. 3. Detail on Flood Plain ManagementZone: 4. As far as Vishwamaitry 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 MahangarSevaSadan According to Danger level of City Bridge the different low lying areas identified and people are warned throughearlywarning arrangement in conclusion with local administration.

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 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 CETPs
November-2020

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	556	SCN Dated 11/01/2021
		BOD	30	34	
2.	M/s. Gujarat VepariMaha Mandal SahkariUdhyogikVasahat Ltd, Ahmedabad	NH_3-N	50	89.88	--
3.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	COD	250	261	SCN Dated 11/01/2021
		BOD	30	36	
4.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	516	Legal notice issued
		BOD	30	57	
5.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	SS	100	242	--
6.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	424	--
7.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	162	Action under process
8.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar	COD	500	597	Action under process
		NH_3-N	50	116.48	
9.	M/s. CETP of Kejriwal Integrated Textile Park Ltd – KITPL	SS	<5	8	--
10	M/s. Gujarat Eco Textile Park Pvt Ltd, Palsana, Surat	SS	<60	68	Action under process
11	M/S of Bhatgam washing ghatsudhhikaranYojanaPvt. Ltd., Bhatgam, Rajkot	COD	100	264	NOD issued on 19/12/2020 CETP is under trial run
		BOD	30	85	
		SS	100	126	
12	M/s Jetpur Dying & Printing	COD	250	610	Action

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
	Association, Jetpur, Rajkot	BOD	100	190	under process CETP is under trial run
		SS	100	248	
13	M/s Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	270	Action under process CETP is under trial run

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 December – 2020.

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
- Capacity Utilization of existing STPs: 2739 MLD
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
- No. of Operational STPs:72
- No. of Complying STPs: 24
- No. of Non-complying STPs: 21
- STPs under maintenance / modification: 1
- STPs not obtained CTE / CC&A of GPCB: 13
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 3
- Details of STPs not available: 1
- 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 includeLandfillable, 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: 21, ➢ Non complying: 13 (Please refer Annexure VI) *(as per CM dash board data for **November-2020**, 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	170
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: 36.42 MT/day
- No. of Hospitals and Health Care Facilities: 31286
- Status of Treatment Facility/ CBMWTF: Existing – 21, Proposed – 1
  Capacity – 126 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: 5 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 (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.	Kapurai (new) (60 MLD) (STP + Network)	68% work of STP is completed. (Revised timeline 30/06/2021)
2.	Sayajigarden (7.5 MLD)	50% work is completed (Revised timeline 30/06/2021)
3.	Channi (new) (50 MLD) (STP + Network)	22% work of STP is completed (Revised timeline 31/12/2021)
4.	Atladara (new) (83 MLD)*	Tender online. (Revised timeline 31/12/2022)
5.	Tarsali/GIDC (new) (100 MLD) (STP + Network)	Tender online. (Revised timeline 31/12/2022)
6.	Karjannagarpalika (5.2 MLD)	6.75% work completed. (Timeline December 2021)
* (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
1	Ahmedabad Pirana 2009	60	60	Operational	Not Complying
2	Ahmedabad Old Pirana 2004	106	106	Operational	Not Complying
3	Ahmedabad Pirana 2009	180	180	Operational	Not Complying
4	Ahmedabad Vasna 2004	126	126	Operational	Complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Not Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Complying
8	Ahmedabad Vasna 2018	48	48	Operational	Complying
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Complying
10	Ahmedabad Vinzol 2020	35	30	Operational	Not Complying
11	Ahmedabad Arvind Mill	8	8	Operational	Complying
12	Ahmedabad Rasala	1	1	Operational	Complying
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
14	Ahmedabad V S Hospital	1	1	Operational	Complying
15	Ahmedabad Nikol	0.5	0.5	Operational	---
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
17	Ahmedabad Lambha	5	2	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
18	Surat Singanpore 2003/2014	155	147.58	Operational	Not Complying
19	Surat Karanj 1999/2015	140	136.59	Operational	Complying
20	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Not Complying
21	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
22	Surat Bamroli 2008/2019	100	77.9	Operational	Not Complying
23	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
24	Surat Khajod 2011	25	21.36	Operational	Not Complying
25	Surat Asarama 2011	15	19.23	Operational	Not Complying
26	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
27	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Not Complying
28	Surat Gavier 2016	53	15.37	Operational	Complying
29	Vadodara Tarsali	52	58	Operational	Not Complying
30	Vadodara Gajarawadi	66	72	Operational	Not Complying
31	Vadodara Kapurai	43	50	Operational	Not Complying
32	Vadodara Rajivnagar	78	32	Operational	Complying
33	Vadodara Sayaji garden	8.5	7	Operational	Under modification
34	Vadodara Channi	21	25	Operational	Not Complying
35	Vadodara Atladara (old)	43	51	Operational	Not Complying
36	Vadodara Atladara (new)	43	54	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
37	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Complying
39	Gandhinagar Basan 2011-12	2	0.3	Operational	Complying
40	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
41	Rajkot Raiyadhar 2017	56	15	Operational	Not Obtained CTE & CCA
42	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not Obtained CTE & CCA
43	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying with the norms.
44	Rajkot Gavaridad 2018	70	30	Operational	Complying
45	Rajkot Madhapar 2019	80	20	Operational	Not Obtained CTE & CCA
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not Obtained CTE & CCA
47	Bhavnagar Behind Excel industries	45	40	Operational	Complying
48	Jamnagar Navagam Ghed	70	65	Operational	CCA renewal rejected for not meeting with the timeline of action plan submitted with CCA application.
49	Gandhidham - Anjar	30.00	22	Operational	Complying
50	Patan	25.00	13	Operational	Not Obtained CTE & CCA
51	Nadiad	51.26	20	Operational	Not Complying
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
	Vidhyanagar				
54	Sanand	20.50	0	Non - Operational	Under Trail Run
55	Himmatnagar	17.51	6	Operational	Complying
56	Petlad	10.37	8	Operational	Not Obtained CTE & CCA
57	Dholka	13.60	8	Operational	Not Complying
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	Not Obtained CTE & CCA
66	Godhra	27.60	4	Operational	Not Complying
67	Bhuj	23.70	19	Operational	Not complying
68	Bhachau	10	4	Operational	CCA expired, not applied for renewal.
69	Anand	33	9	Operational	Not Obtained CTE & CCA
70	Anand	13.5	2.5	Operational	Not Obtained CTE & CCA
71	Surendranagar	32.3	17	Operational	Not Obtained CTE & CCA
72	Valsad-1	20.2	2	Operational	CTE issued CCA yet not applied
73	Morbi	28.8	6	Operational	Complying
Total		3485.66	2738.72		

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	75%	Completed	30/06/2021
2.	Ahmedabad Pirana	155	80%	Completed	31/03/2021
3.	Ahmedabad Maleksaban	30	5%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	Surat Bhesan	100	95%	Completed	31/03/2021
7.	SuratSinganpore	100	88%	Completed	30/06/2021
8.	SuratBhatar	115	58%	Completed	31/07/2021
9.	SuratBamroli	115	40%	Completed	30/04/2021
10.	SuratAsarma	22.5	15%	Completed	30/09/2021
11.	SuratKhajod	30	10%	Completed	30/09/2021
12.	Vadodara Kapurai	60	68%	75%	30/06/2021
13.	Vadodara Chhani	50	22%	Completed	31/12/2021
14.	Vadodara Bhayli	45	10%	Completed	28/02/2022
15.	Vadodara Sayaji garden	7.5	50%	Completed	30/06/2021
16.	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17.	Bhavnagar Axcel Industries	50	21%	Completed	31/05/2022
18.	JunagadhBilkha Road, Near CBSE School	8.2	25%	Completed	31/06/2021
19.	Rajula	5.70	0.00%	Completed	09/07/2021
20.	Bagasara	5.90	5.12%	Completed	09/07/2021
21.	Chalala	2.80	82.00%	Completed	12/04/2021
22.	Mahuva	16.30	37.61%	Completed	21/05/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
23.	Talaja	5.80	50.00%	Completed	31/05/2021
24.	Una	11.70	81.00%	Completed	25/02/2021
25.	Bantva	2.60	80.25%	Completed	28/02/2021
26.	Dehgam	7.60	92.0%	Completed	28/02/2021
27.	Mansa	5.00	15.04%	Completed	24/05/2021
28.	Tharad	4.80	Completed Under Trail Run	Completed	31/12/2020
29.	Dhanera	4.00	25.00%	Completed	15/11/2021
30.	Bhabhar	3.50	25.00%	Completed	30/07/2021
31.	Thara	3.60	20.00%	Completed	15/11/2021
32.	Kadi	12.80	35.00%	Completed	05/09/2021
33.	Unjha	11.60	69.00%	Completed	31/05/2021
34.	Visnagar-1	12.00	86.00%	Completed	04/04/2021
35.	Visnagar-2	5.30	27.00%	Completed	04/04/2021
36.	Kheralu	2.90	35.00%	Completed	10/11/2021
37.	Vijapur	4.10	20.00%	Completed	10/11/2021
38.	Radhanpur	6.00	1.00%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	10/11/2021
39.	Idar	7.40	83.00%	Completed	31/03/2021
40.	Khedbrahma	5.80	68.00%	Completed	11/03/2021
41.	Prantij	3.70	53.30%	Completed	31/03/2021
42.	Talod	3.60	0.00%	Completed	30/10/2021
43.	Vadali	3.80	0.00%	Completed	30/10/2021
44.	Jambusar	5.90	39.00%	Completed	08/10/2021
45.	Amod	3.10	10.00%	Completed	08/10/2021
46.	Bilimora	8.30	10.00%	Completed	04/03/2022
47.	Gandevi	2.60	7.00%	Completed	30/10/2021
48.	Bardoli	11.30	88.00%	Completed	08/03/2021
49.	KanakpurKansad	7.80	0.00%	Completed	After 18 months from possession of land
50.	Vyara	6.50	88.10%	Completed	31/03/2021
51.	nogapur	4.10	29.00%	Completed	30/04/2021
52.	Borsad	9.80	68.7%	Completed	30/04/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
53.	Umreth	6.10	48.00%	Completed	30/08/2021
54.	Dahod	13.70	98.00%	Completed	Physical work completed, can be commissioned after power connection.
55.	Zalod	4.60	85.00%	Completed	31/03/2021
56.	Devgadhbariya	3.80	75.00%	Completed	31/03/2021
57.	Santrampur	2.91	25.00%	Completed	30/09/2021
58.	Kalol (P)	4.77	27.00%	Completed	30/09/2021
59.	Shehra	2.80	2.00%	Completed	30/09/2021
60.	Chhotaudepur	5.00	92.00%	Completed	28/02/2021
61.	Padra	5.60	63.90%	Completed	31/07/2021
62.	Viramgam	4.50	43.00%	Completed	30/05/2021
63.	Bavla	5.80	2.00%	Completed	31/12/2021
64.	Dhandhuka	7.50	86.70%	Completed	28/02/2021
65.	Bareja	3.10	61.00%	Completed	21/02/2021
66.	Chaklasi	4.90	0.00%	Completed	After 15 months from possession of land
67.	Kapadwanj	6.20	9.00%	Completed	31/12/2021
68.	Mehmdabad	5.60	38.00%	Completed	17/11/2021
69.	Dakor	4.90	0.00%	Completed	After 15 months from possession of land
70.	Kheda	5.20	32.00%	Completed	17/11/2021
71.	Chotila-1	2.30	4.00%	Completed	30/09/2021
72.	Chotila-2	1.70	4.00%	Completed	After 15 months from possession of land
73.	Wadhwan	12.10	0.00%	Completed	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

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
					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.
74.	Dhangadhra	11.60	95.00%	Completed	28/02/2021
75.	Barwala	2.90	6.00%	Completed	09/07/2021
76.	Jasdan	8.80	Completed Under trial run	Completed	31/12/2020
77.	Harij	3.00	4.00%	Completed	31/12/2021
78.	Chanasma	2.50	0.00%	Completed	After 15 months from possession of land
79.	Ode	2.50	2.00%	Completed	09/09/2021
80.	Karjan	5.20	6.75%	Completed	09/12/2021
81.	Vadnagar	5.94	95.00%	Completed	31/12/2020
82.	Botad	32.00	86.00%	Completed	28/02/2021
83.	Morbi-2	9.30	87.60%	Completed	31/03/2021
84.	Jetpur	23.50	88.00%	Completed	31/01/2021
85.	Gondal	16.50	46.00%	Completed	30/06/2021
86.	Amreli	18.20	71.00%	Completed	31/05/2021
87.	Kalol	23.50	16.00%	Completed	31/03/2021
88.	Palanpur	21.30	3.00%	95%	31/03/2021
89.	Deesa	17.00	62.00%	Completed	31/03/2021
90.	Bharuch	29.32	79.00%	90%	31/03/2021
91.	Vapi-1	14.00	40.00%	Completed	31/03/2021
92.	Anand-3	6.50	80.00%	Completed	31/03/2021
93.	Porbandar-1	12.80	80.00%	Completed	31/03/2021
94.	Porbandar-2	19.10	90.00%	Completed	31/01/2021
95.	Damnagar	2.80	0.00%	Completed	11/02/2022
96.	Lathi	3.80	0.00%	Completed	11/02/2022
97.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1706.34			

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	Work to be Awarded	31/12/2022
2.	Vadodara Tarsali	48	DPR Stage	31/12/2022
3.	Vadodara Atladara	83	DPR Stage	31/12/2022
4.	Vadodara Gajarawadi	93	DPR Stage	31/12/2022
5.	GandhinagarSargasan	50	DPR Stage	31/12/2022
6.	Bhavnagar Akwada	19.2	Work order given	31/12/2022
7.	Jamnagar Nr Rangmati River	40	DPR Stage	31/12/2022
8.	Junagadh	15.50	DPR Stage	31/12/2022
9.	Junagadh	11.00	DPR Stage	31/12/2022
10.	Junagadh	29.50	DPR Stage	31/12/2022
11.	Balasinor	6.50	Work order given	23/01/2022
12.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
13.	Bhanvad	3.00	Under Tender evaluation	31/03/2022
14.	Savli	2.50	Under Tender evaluation	31/03/2022
15.	Visavadar	3.40	Under Tender evaluation	31/03/2022
16.	Rajpipla	5.02	Under Tender evaluation	31/03/2022
17.	Khambhat-1	6.80	Work order given	04/06/2022
18.	Khambhat-2	4.50	Work order given	04/06/2022
19.	Anklav	3.60	Work order given	04/03/2022
20.	Boriavi	3.30	Under Tender evaluation	31/03/2022
21.	Lunawada	5.60	Under Tender	31/03/2022

			evaluation	
22.	Kanjari	3.30	Under Tender evaluation	31/03/2022
23.	Okha	10.10	Under Tender evaluation	31/03/2022
24.	Beyt (near Okha)	1.20	Under Tender evaluation	31/03/2022
25.	Khambhalia	5.50	Under Tender evaluation	31/03/2022
26.	Salaya, Jamnagar	6.20	Under Tender evaluation	31/03/2022
27.	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
28.	Wankaner	5.80	Tender tobe invited	31/03/2022
29.	Chhaya	13.10	Under Tender evaluation	31/03/2022
30.	Palitana	10.81	Under Tender evaluation	31/03/2022
31.	MandviSurat	3.50	Under Tender evaluation	31/03/2022
32.	Thangadh	9.00	Work order given	07/06/2022
33.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
34.	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
35.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
36.	Babra	4.00	Tender tobe invited	31/12/2022
37.	Kodinar	5.60	Tender tobe invited	31/12/2022
38.	Sutrapada	4.00	Tender tobe invited	31/12/2022
39.	Talala	3.80	Tender tobe invited	31/12/2022
40.	Chorvad	3.70	Tender tobe invited	31/12/2022
41.	Halol	11.60	Tender tobe invited	31/12/2022
42.	Thasra	2.30	Tender tobe invited	31/12/2022
43.	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
44.	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
45.	Jamraval	2.60	Tender tobe invited	31/12/2022
46.	Dhrol	3.60	Tender tobe invited	31/12/2022
47.	Kalavad	3.60	Tender Online	31/12/2022
48.	Halvad	6.70	Under Tender evaluation	31/12/2022
49.	Maliya	2.50	Tender tobe invited	31/12/2022
50.	Kutiyana	2.90	Tender tobe invited	31/12/2022
51.	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
52.	Ranavav-2	4.50	Tender tobe invited	31/12/2022
53.	Dhoraji	12.90	Tender tobe invited	31/12/2022

54.	Bhayavadar	3.10	Tender tobe invited	31/12/2022
55.	Manavadar	4.90	Under Tender evaluation	31/12/2022
56.	Pethapur	3.80	Tender online (earlier tender rejected/ disqualified)	31/03/2022
57.	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
58.	Umargam	6.48	Under Tender evaluation	31/12/2022
59.	Dabhoi	8.96	Under Tender evaluation	31/12/2022
60.	Sikka	2.90	Tender Online	31/12/2022
61.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
62.	Mahesana-1	23.18	Tender Online	31/03/2022
63.	Mahesana-2	18.46	Tender Online	31/03/2022
64.	Jafrabad	5.4	DPR/DTP stage	31/12/2022
65.	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
66.	Shihor	8.9	Tender tobe invited	31/12/2022
67.	Mangrol	9.6	DPR/DTP stage	31/12/2022
68.	Vanthli	2.2	DPR/DTP stage	31/12/2022
69.	Modasa	12.0	DPR/DTP stage	31/12/2022
70.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
71.	Songadh	4.5	Tender tobe invited	31/12/2022
72.	Pardi	4.6	Tender tobe invited	31/12/2022
73.	Karamsad	6.0	Tender tobe invited	31/12/2022
74.	Limdi	7.4	DPR/DTP stage	31/12/2022
75.	Bhachau	1.0	Tender tobe invited	31/12/2022
76.	Rapar	5.2	Tender tobe invited	31/12/2022
77.	Upleta	8.9	DPR/DTP stage	31/12/2022
78.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

Note: 1. Earlier at the time of submission of details regarding Proposed STPs of the State, the Sr.no. was inadvertently written as 80 actually it was 78 (Sr.No. 27 & 28 were skipped by mistake.

2. Work order for STPs at Sr.No. 6,11,17,18,19& 32 have been given

3. STP at Sr. No. 58 i.ePethapur STP of Gandhinagar District will henceforth be reflected along with the other STP of Gandhinagar District at Sr.No.5.

Details of 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
1.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
2.	GandhinagarBhat	30	DPR Stage	31/12/2022

[After addition of the above two newly proposed STPs, total number of proposed STPs in the state are 78 + 2 = 80]

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)
294007-03/12/2020	River Dhadhar At Kothwada	7.65	32	5.2	2.3	>1600	>1600
293840-03/12/2020	River Dhadhar At Village Pingalwada	8.02	6.0	0.8	7.2	12	110

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**				
December 2020 (10/12/2020)	7.47	189	70	>1600	>1600
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**				
December 2020 (10/12/2020)	7.48	87	23	>1600	>1600
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**				
December 2020 (10/12/2020) ***	---	---	---	----	----
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**				
December 2020 (10/12/2020)	7.37	97	28.13	>1600	>1600

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**				
December 2020 (10/12/2020)	7.35	25	8.5	>1600	47
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**				
December 2020 (10/12/2020)	7.31	64	20.33	>1600	>1600
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**				
December 2020 (10/12/2020)	7.53	88	36.5	>1600	>1600
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**				
December 2020 (10/12/2020)	7.6	89	38.5	>1600	>1600

**** standard as per last CCA**

****STP(s) visited on 10/12/2020. Sayajigarden 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
293630-02/12/2020	Borewell At Por GIDC Office	7.74	5	0.6	1280

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,Dhadharisnotaperennial River.Whentheaccess 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 IrrigationPractices: • General Government Practice of irrigation is maintained in command area of Deo irrigation project and jojwa-wadhwana irrigationproject. • Deo irrigation project – CCA 5887Ha. • Jojwa – Wadhwanairrigatin project-6750Ha. • 15 No. of small check dam – 70 Ha. Indirectirrigation • 27 Lift Irrigation Schemes-135 Ha. Indirectirrigation • Farmer are frequently made aware to use water optimally. 3. Detail on Flood Plain ManagementZone: • 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&DabhoiTaluka are identified which might go under submergence zone. Hence according to that different lowlyingvillagesareidentifiedandpeoplearewarnedthrough 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 CETPs
November-2020

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	556	SCN Dated 11/01/2021
		BOD	30	34	
2.	M/s. Gujarat VepariMaha Mandal SahkariUdhyogikVasahat Ltd, Ahmedabad	NH_3-N	50	89.88	--
3.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	COD	250	261	SCN Dated 11/01/2021
		BOD	30	36	
4.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	516	Legal notice issued
		BOD	30	57	
5.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	SS	100	242	--
6.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	424	--
7.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	162	Action under process
8.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar	COD	500	597	Action under process
		NH_3-N	50	116.48	
9.	M/s. CETP of Kejriwal Integrated Textile Park Ltd – KITPL	SS	<5	8	--
10.	M/s. Gujarat Eco Textile Park Pvt Ltd, Palsana, Surat	SS	<60	68	Action under process
11.	M/S of Bhatgam washing ghatsudhhikaranYojanaPvt. Ltd., Bhatgam, Rajkot	COD	100	264	NOD issued on 19/12/2020
		BOD	30	85	

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
		SS	100	126	CETP is under trial run
12.	M/s Jetpur Dying & Printing Association, Jetpur, Rajkot	COD	250	610	Action under process CETP is under trial run
		BOD	100	190	
		SS	100	248	
13.	M/s Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	270	Action under process CETP is under trial run

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 December – 2020.

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
- Capacity Utilization of existing STPs: 2739 MLD
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
- No. of Operational STPs: 72
- No. of Complying STPs: 24
- No. of Non-complying STPs: 21
- STPs under maintenance / modification: 1
- STPs not obtained CTE / CC&A of GPCB: 13
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 3
- Details of STPs not available: 1
- 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	Details being prepared.

MLD:	
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: 21, ➢ Non complying: 13 (Please refer Annexure VI) *(as per CM dash board data for **November-2020**, 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	170
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: 36.42 MT/day
- No. of Hospitals and Health Care Facilities: 31286
- Status of Treatment Facility/ CBMWTF: Existing – 21, Proposed – 1

  Capacity – 126 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: 5 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 wasteinto 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:

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
1	Ahmedabad Pirana 2009	60	60	Operational	Not Complying
2	Ahmedabad Old Pirana 2004	106	106	Operational	Not Complying
3	Ahmedabad Pirana 2009	180	180	Operational	Not Complying
4	Ahmedabad Vasna 2004	126	126	Operational	Complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Not Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Complying
8	Ahmedabad Vasna 2018	48	48	Operational	Complying
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Complying
10	Ahmedabad Vinzol 2020	35	30	Operational	Not Complying
11	Ahmedabad Arvind Mill	8	8	Operational	Complying
12	Ahmedabad Rasala	1	1	Operational	Complying
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
14	Ahmedabad V S Hospital	1	1	Operational	Complying
15	Ahmedabad Nikol	0.5	0.5	Operational	---
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
17	Ahmedabad Lambha	5	2	Operational	Complying
18	Surat Singanpore 2003/2014	155	147.58	Operational	Not Complying
19	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
	1999/2015				
20	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Not Complying
21	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
22	Surat Bamroli 2008/2019	100	77.9	Operational	Not Complying
23	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
24	Surat Khajod 2011	25	21.36	Operational	Not Complying
25	Surat Asarama 2011	15	19.23	Operational	Not Complying
26	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
27	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Not Complying
28	Surat Gavier 2016	53	15.37	Operational	Complying
29	Vadodara Tarsali	52	58	Operational	Not Complying
30	Vadodara Gajarawadi	66	72	Operational	Not Complying
31	Vadodara Kapurai	43	50	Operational	Not Complying
32	Vadodara Rajivnagar	78	32	Operational	Complying
33	Vadodara Sayaji garden	8.5	7	Operational	Under modification
34	Vadodara Channi	21	25	Operational	Not Complying
35	Vadodara Atladara (old)	43	51	Operational	Not Complying
36	Vadodara Atladara (new)	43	54	Operational	Complying
37	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Complying
39	Gandhinagar Basan 2011-12	2	0.3	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
40	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
41	Rajkot Raiyadhar 2017	56	15	Operational	Not Obtained CTE & CCA
42	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not Obtained CTE & CCA
43	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying with the norms.
44	Rajkot Gavaridad 2018	70	30	Operational	Complying
45	Rajkot Madhapar 2019	80	20	Operational	Not Obtained CTE & CCA
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not Obtained CTE & CCA
47	Bhavnagar Behind Excel industries	45	40	Operational	Complying
48	Jamnagar Navagam Ghed	70	65	Operational	CCA renewal rejected for not meeting with the timeline of action plan submitted with CCA application.
49	Gandhidham - Anjar	30.00	22	Operational	Complying
50	Patan	25.00	13	Operational	Not Obtained CTE & CCA
51	Nadiad	51.26	20	Operational	Not Complying
52	Siddhpur	5.62	5	Operational	Oxidation pond
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
54	Sanand	20.50	0	Non - Operational	Under Trail Run
55	Himmatnagar	17.51	6	Operational	Complying
56	Petlad	10.37	8	Operational	Not Obtained CTE & CCA
57	Dholka	13.60	8	Operational	Not Complying
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

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
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	Not Obtained CTE & CCA
66	Godhra	27.60	4	Operational	Not Complying
67	Bhuj	23.70	19	Operational	Not complying
68	Bhachau	10	4	Operational	CCA expired, not applied for renewal.
69	Anand	33	9	Operational	Not Obtained CTE & CCA
70	Anand	13.5	2.5	Operational	Not Obtained CTE & CCA
71	Surendranagar	32.3	17	Operational	Not Obtained CTE & CCA
72	Valsad-1	20.2	2	Operational	CTE issued CCA yet not applied
73	Morbi	28.8	6	Operational	Complying
Total		3485.66	2738.72		

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	75%	Completed	30/06/2021
2.	Ahmedabad Pirana	155	80%	Completed	31/03/2021
3.	Ahmedabad Maleksaban	30	5%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	Surat Bhesan	100	95%	Completed	31/03/2021
7.	SuratSinganpore	100	88%	Completed	30/06/2021
8.	SuratBhatar	115	58%	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
9.	SuratBamroli	115	40%	Completed	30/04/2021
10.	SuratAsarma	22.5	15%	Completed	30/09/2021
11.	SuratKhajod	30	10%	Completed	30/09/2021
12.	Vadodara Kapurai	60	68%	75%	30/06/2021
13.	Vadodara Chhani	50	22%	Completed	31/12/2021
14.	Vadodara Bhayli	45	10%	Completed	28/02/2022
15.	Vadodara Sayaji garden	7.5	50%	Completed	30/06/2021
16.	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17.	Bhavnagar Axcel Industries	50	21%	Completed	31/05/2022
18.	JunagadhBilkha Road, Near CBSE School	8.2	25%	Completed	31/06/2021
19.	Rajula	5.70	0.00%	Completed	09/07/2021
20.	Bagasara	5.90	5.12%	Completed	09/07/2021
21.	Chalala	2.80	82.00%	Completed	12/04/2021
22.	Mahuva	16.30	37.61%	Completed	21/05/2021
23.	Talaja	5.80	50.00%	Completed	31/05/2021
24.	Una	11.70	81.00%	Completed	25/02/2021
25.	Bantva	2.60	80.25%	Completed	28/02/2021
26.	Dehgam	7.60	92.0%	Completed	28/02/2021
27.	Mansa	5.00	15.04%	Completed	24/05/2021
28.	Tharad	4.80	Completed Under Trail Run	Completed	31/12/2020
29.	Dhanera	4.00	25.00%	Completed	15/11/2021
30.	Bhabhar	3.50	25.00%	Completed	30/07/2021
31.	Thara	3.60	20.00%	Completed	15/11/2021
32.	Kadi	12.80	35.00%	Completed	05/09/2021
33.	Unjha	11.60	69.00%	Completed	31/05/2021
34.	Visnagar-1	12.00	86.00%	Completed	04/04/2021
35.	Visnagar-2	5.30	27.00%	Completed	04/04/2021
36.	Kheralu	2.90	35.00%	Completed	10/11/2021
37.	Vijapur	4.10	20.00%	Completed	10/11/2021
38.	Radhanpur	6.00	1.00%	98% (All civil work completed	10/11/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
				except 150 m rising main balanced due to local opposition)	
39.	Idar	7.40	83.00%	Completed	31/03/2021
40.	Khedbrahma	5.80	68.00%	Completed	11/03/2021
41.	Prantij	3.70	53.30%	Completed	31/03/2021
42.	Talod	3.60	0.00%	Completed	30/10/2021
43.	Vadali	3.80	0.00%	Completed	30/10/2021
44.	Jambusar	5.90	39.00%	Completed	08/10/2021
45.	Amod	3.10	10.00%	Completed	08/10/2021
46.	Bilimora	8.30	10.00%	Completed	04/03/2022
47.	Gandevi	2.60	7.00%	Completed	30/10/2021
48.	Bardoli	11.30	88.00%	Completed	08/03/2021
49.	KanakpurKansad	7.80	0.00%	Completed	After 18 months from possession of land
50.	Vyara	6.50	88.10%	Completed	31/03/2021
51.	nogapur	4.10	29.00%	Completed	30/04/2021
52.	Borsad	9.80	68.7%	Completed	30/04/2021
53.	Umreth	6.10	48.00%	Completed	30/08/2021
54.	Dahod	13.70	98.00%	Completed	Physical work completed, can be commissioned after power connection.
55.	Zalod	4.60	85.00%	Completed	31/03/2021
56.	Devgadhbariya	3.80	75.00%	Completed	31/03/2021
57.	Santrampur	2.91	25.00%	Completed	30/09/2021
58.	Kalol (P)	4.77	27.00%	Completed	30/09/2021
59.	Shehra	2.80	2.00%	Completed	30/09/2021
60.	Chhotaudepur	5.00	92.00%	Completed	28/02/2021
61.	Padra	5.60	63.90%	Completed	31/07/2021
62.	Viramgam	4.50	43.00%	Completed	30/05/2021
63.	Bavla	5.80	2.00%	Completed	31/12/2021
64.	Dhandhuka	7.50	86.70%	Completed	28/02/2021
65.	Bareja	3.10	61.00%	Completed	21/02/2021
66.	Chaklasi	4.90	0.00%	Completed	After 15 months from possession of land
67.	Kapadwanj	6.20	9.00%	Completed	31/12/2021
68.	Mehmdabad	5.60	38.00%	Completed	17/11/2021
69.	Dakor	4.90	0.00%	Completed	After 15 months from possession of land

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
70.	Kheda	5.20	32.00%	Completed	17/11/2021
71.	Chotila-1	2.30	4.00%	Completed	30/09/2021
72.	Chotila-2	1.70	4.00%	Completed	After 15 months from possession of land
73.	Wadhwan	12.10	0.00%	Completed	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.
74.	Dhangadhra	11.60	95.00%	Completed	28/02/2021
75.	Barwala	2.90	6.00%	Completed	09/07/2021
76.	Jasdan	8.80	Completed Under trial run	Completed	31/12/2020
77.	Harij	3.00	4.00%	Completed	31/12/2021
78.	Chanasma	2.50	0.00%	Completed	After 15 months from possession of land
79.	Ode	2.50	2.00%	Completed	09/09/2021
80.	Karjan	5.20	6.75%	Completed	09/12/2021
81.	Vadnagar	5.94	95.00%	Completed	31/12/2020
82.	Botad	32.00	86.00%	Completed	28/02/2021
83.	Morbi-2	9.30	87.60%	Completed	31/03/2021
84.	Jetpur	23.50	88.00%	Completed	31/01/2021
85.	Gondal	16.50	46.00%	Completed	30/06/2021
86.	Amreli	18.20	71.00%	Completed	31/05/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
87.	Kalol	23.50	16.00%	Completed	31/03/2021
88.	Palanpur	21.30	3.00%	95%	31/03/2021
89.	Deesa	17.00	62.00%	Completed	31/03/2021
90.	Bharuch	29.32	79.00%	90%	31/03/2021
91.	Vapi-1	14.00	40.00%	Completed	31/03/2021
92.	Anand-3	6.50	80.00%	Completed	31/03/2021
93.	Porbandar-1	12.80	80.00%	Completed	31/03/2021
94.	Porbandar-2	19.10	90.00%	Completed	31/01/2021
95.	Damnagar	2.80	0.00%	Completed	11/02/2022
96.	Lathi	3.80	0.00%	Completed	11/02/2022
97.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1706.34			

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	Work to be Awarded	31/12/2022
2.	Vadodara Tarsali	48	DPR Stage	31/12/2022
3.	Vadodara Atladara	83	DPR Stage	31/12/2022
4.	Vadodara Gajarawadi	93	DPR Stage	31/12/2022
5.	GandhinagarSargasan	50	DPR Stage	31/12/2022
6.	Bhavnagar Akwada	19.2	Work order given	31/12/2022
7.	Jamnagar Nr Rangmati River	40	DPR Stage	31/12/2022
8.	Junagadh	15.50	DPR Stage	31/12/2022
9.	Junagadh	11.00	DPR Stage	31/12/2022
10.	Junagadh	29.50	DPR Stage	31/12/2022
11.	Balasinor	6.50	Work order given	23/01/2022
12.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
13.	Bhanvad	3.00	Under Tender evaluation	31/03/2022

14.	Savli	2.50	Under Tender evaluation	31/03/2022
15.	Visavadar	3.40	Under Tender evaluation	31/03/2022
16.	Rajpipla	5.02	Under Tender evaluation	31/03/2022
17.	Khambhat-1	6.80	Work order given	04/06/2022
18.	Khambhat-2	4.50	Work order given	04/06/2022
19.	Anklav	3.60	Work order given	04/03/2022
20.	Boriavi	3.30	Under Tender evaluation	31/03/2022
21.	Lunawada	5.60	Under Tender evaluation	31/03/2022
22.	Kanjari	3.30	Under Tender evaluation	31/03/2022
23.	Okha	10.10	Under Tender evaluation	31/03/2022
24.	Beyt (near Okha)	1.20	Under Tender evaluation	31/03/2022
25.	Khambhalia	5.50	Under Tender evaluation	31/03/2022
26.	Salaya, Jamnagar	6.20	Under Tender evaluation	31/03/2022
27.	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
28.	Wankaner	5.80	Tender tobe invited	31/03/2022
29.	Chhaya	13.10	Under Tender evaluation	31/03/2022
30.	Palitana	10.81	Under Tender evaluation	31/03/2022
31.	MandviSurat	3.50	Under Tender evaluation	31/03/2022
32.	Thangadh	9.00	Work order given	07/06/2022
33.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
34.	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
35.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
36.	Babra	4.00	Tender tobe invited	31/12/2022
37.	Kodinar	5.60	Tender tobe invited	31/12/2022
38.	Sutrapada	4.00	Tender tobe invited	31/12/2022
39.	Talala	3.80	Tender tobe invited	31/12/2022
40.	Chorvad	3.70	Tender tobe invited	31/12/2022
41.	Halol	11.60	Tender tobe invited	31/12/2022
42.	Thasra	2.30	Tender tobe invited	31/12/2022
43.	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
44.	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022

45.	Jamraval	2.60	Tender tobe invited	31/12/2022
46.	Dhrol	3.60	Tender tobe invited	31/12/2022
47.	Kalavad	3.60	Tender Online	31/12/2022
48.	Halvad	6.70	Under Tender evaluation	31/12/2022
49.	Maliya	2.50	Tender tobe invited	31/12/2022
50.	Kutiyana	2.90	Tender tobe invited	31/12/2022
51.	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
52.	Ranavav-2	4.50	Tender tobe invited	31/12/2022
53.	Dhoraji	12.90	Tender tobe invited	31/12/2022
54.	Bhayavadar	3.10	Tender tobe invited	31/12/2022
55.	Manavadar	4.90	Under Tender evaluation	31/12/2022
56.	Pethapur	3.80	Tender online (earlier tender rejected/ disqualified)	31/03/2022
57.	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
58.	Umargam	6.48	Under Tender evaluation	31/12/2022
59.	Dabhoi	8.96	Under Tender evaluation	31/12/2022
60.	Sikka	2.90	Tender Online	31/12/2022
61.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
62.	Mahesana-1	23.18	Tender Online	31/03/2022
63.	Mahesana-2	18.46	Tender Online	31/03/2022
64.	Jafrabad	5.4	DPR/DTP stage	31/12/2022
65.	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
66.	Shihor	8.9	Tender tobe invited	31/12/2022
67.	Mangrol	9.6	DPR/DTP stage	31/12/2022
68.	Vanthli	2.2	DPR/DTP stage	31/12/2022
69.	Modasa	12.0	DPR/DTP stage	31/12/2022
70.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
71.	Songadh	4.5	Tender tobe invited	31/12/2022
72.	Pardi	4.6	Tender tobe invited	31/12/2022
73.	Karamsad	6.0	Tender tobe invited	31/12/2022
74.	Limdi	7.4	DPR/DTP stage	31/12/2022
75.	Bhachau	1.0	Tender tobe invited	31/12/2022
76.	Rapar	5.2	Tender tobe invited	31/12/2022
77.	Upleta	8.9	DPR/DTP stage	31/12/2022
78.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

Note: 1. Earlier at the time of submission of details regarding Proposed STPs of the State, the Sr.no. was inadvertently written as 80 actually it was 78 (Sr.No. 27 & 28 were skipped by mistake.

2. Work order for STPs at Sr.No. 6,11,17,18,19& 32 have been given

3. **STP at Sr. No. 58 i.ePethapur STP of Gandhinagar District will henceforth be reflected along with the other STP of Gandhinagar District at Sr.No.5.**

Details of 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
1.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
2.	GandhinagarBhat	30	DPR Stage	31/12/2022

[After addition of the above two newly proposed STPs, total number of proposed STPs in the state are 78 + 2 = 80]

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 December-2020:

Name of Location	Parameter					
	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Total coliform (MPN/ 100ml)	Fecal coliform (MPN/100 ml)
Triveni Sangam	6.7	7.98	2.2	11.51	<1.8	<1.8

Note:- Does not fall in any Priority as per June-2020 to Dec-2020 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 Badlapura is of Saraswati River from Badalpura 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,itisproposedtoconstructseparateenclosefor performing ritual by pilgrims and this will help in keeping the water of Triveni free frompollution. • 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 thisstreach. 2. Detail of Good IrrigationPractices: • 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 Badalpuravillagewhichhelpininfilteringofrainwater into the ground the water table of surrounding areaisreplenished and the farmers are getting indirect benefits. 3. Detail on Flood Plain ManagementZone: • The stretch of river Saraswati from Badalpura 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 SeathroughSomanath 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 CETPs
November-2020

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	556	SCN Dated 11/01/2021
		BOD	30	34	
2.	M/s. Gujarat VepariMaha Mandal SahkariUdhyogikVasahat Ltd, Ahmedabad	NH_3-N	50	89.88	--
3.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	COD	250	261	SCN Dated 11/01/2021
		BOD	30	36	
4.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	516	Legal notice issued
		BOD	30	57	
5.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	SS	100	242	--
6.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	424	--
7.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	162	Action under process
8.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar	COD	500	597	Action under process
		NH_3-N	50	116.48	
9.	M/s. CETP of Kejriwal Integrated Textile Park Ltd – KITPL	SS	<5	8	--
10	M/s. Gujarat Eco Textile Park Pvt Ltd, Palsana, Surat	SS	<60	68	Action under process
11	M/S of Bhatgam washing ghatsudhhikaranYojanaPvt. Ltd., Bhatgam, Rajkot	COD	100	264	NOD issued on 19/12/2020 CETP is under trial run
		BOD	30	85	
		SS	100	126	
12	M/s Jetpur Dying & Printing	COD	250	610	Action

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
	Association, Jetpur, Rajkot	BOD	100	190	under process CETP is under trial run
		SS	100	248	
13	M/s Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	270	Action under process CETP is under trial run

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 December– 2020.

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
- Capacity Utilization of existing STPs: 2739 MLD
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
- No. of Operational STPs:72
- No. of Complying STPs: 24
- No. of Non-complying STPs: 21
- STPs under maintenance / modification: 1
- STPs not obtained CTE / CC&A of GPCB: 13
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 3
- Details of STPs not available: 1
- 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	Details are being prepared.

MLD:	
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste includeLandfillable, 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: 21, ➢ Non complying: 13 (Please refer Annexure VI) *(as per CM dash board data for **November-2020**, 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	170
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing	• There are total No. 755 of Plants for Vermi

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	/ 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: 36.42 MT/day
- No. of Hospitals and Health Care Facilities: 31286
- Status of Treatment Facility/ CBMWTF: Existing – 21, Proposed – 1

  Capacity – 126 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: 5 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: 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
1	Ahmedabad Pirana 2009	60	60	Operational	Not Complying
2	Ahmedabad Old Pirana 2004	106	106	Operational	Not Complying
3	Ahmedabad Pirana 2009	180	180	Operational	Not Complying
4	Ahmedabad Vasna 2004	126	126	Operational	Complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Not Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Complying
8	Ahmedabad Vasna 2018	48	48	Operational	Complying
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Complying
10	Ahmedabad Vinzol 2020	35	30	Operational	Not Complying
11	Ahmedabad Arvind Mill	8	8	Operational	Complying
12	Ahmedabad Rasala	1	1	Operational	Complying
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
14	Ahmedabad V S Hospital	1	1	Operational	Complying
15	Ahmedabad Nikol	0.5	0.5	Operational	---
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
17	Ahmedabad Lambha	5	2	Operational	Complying
18	Surat Singanpore 2003/2014	155	147.58	Operational	Not Complying
19	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
	1999/2015				
20	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Not Complying
21	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
22	Surat Bamroli 2008/2019	100	77.9	Operational	Not Complying
23	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
24	Surat Khajod 2011	25	21.36	Operational	Not Complying
25	Surat Asarama 2011	15	19.23	Operational	Not Complying
26	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
27	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Not Complying
28	Surat Gavier 2016	53	15.37	Operational	Complying
29	Vadodara Tarsali	52	58	Operational	Not Complying
30	Vadodara Gajarawadi	66	72	Operational	Not Complying
31	Vadodara Kapurai	43	50	Operational	Not Complying
32	Vadodara Rajivnagar	78	32	Operational	Complying
33	Vadodara Sayaji garden	8.5	7	Operational	Under modification
34	Vadodara Channi	21	25	Operational	Not Complying
35	Vadodara Atladara (old)	43	51	Operational	Not Complying
36	Vadodara Atladara (new)	43	54	Operational	Complying
37	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Complying
39	Gandhinagar Basan 2011-12	2	0.3	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
40	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
41	Rajkot Raiyadhar 2017	56	15	Operational	Not Obtained CTE & CCA
42	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not Obtained CTE & CCA
43	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying with the norms.
44	Rajkot Gavaridad 2018	70	30	Operational	Complying
45	Rajkot Madhapar 2019	80	20	Operational	Not Obtained CTE & CCA
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not Obtained CTE & CCA
47	Bhavnagar Behind Excel industries	45	40	Operational	Complying
48	Jamnagar Navagam Ghed	70	65	Operational	CCA renewal rejected for not meeting with the timeline of action plan submitted with CCA application.
49	Gandhidham - Anjar	30.00	22	Operational	Complying
50	Patan	25.00	13	Operational	Not Obtained CTE & CCA
51	Nadiad	51.26	20	Operational	Not Complying
52	Siddhpur	5.62	5	Operational	Oxidation pond
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
54	Sanand	20.50	0	Non - Operational	Under Trail Run
55	Himmatnagar	17.51	6	Operational	Complying
56	Petlad	10.37	8	Operational	Not Obtained CTE & CCA
57	Dholka	13.60	8	Operational	Not Complying
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

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
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	Not Obtained CTE & CCA
66	Godhra	27.60	4	Operational	Not Complying
67	Bhuj	23.70	19	Operational	Not complying
68	Bhachau	10	4	Operational	CCA expired, not applied for renewal.
69	Anand	33	9	Operational	Not Obtained CTE & CCA
70	Anand	13.5	2.5	Operational	Not Obtained CTE & CCA
71	Surendranagar	32.3	17	Operational	Not Obtained CTE & CCA
72	Valsad-1	20.2	2	Operational	CTE issued CCA yet not applied
73	Morbi	28.8	6	Operational	Complying
Total		3485.66	2738.72		

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	75%	Completed	30/06/2021
2.	Ahmedabad Pirana	155	80%	Completed	31/03/2021
3.	Ahmedabad Maleksaban	30	5%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	Surat Bhesan	100	95%	Completed	31/03/2021
7.	SuratSinganpore	100	88%	Completed	30/06/2021
8.	SuratBhatar	115	58%	Completed	31/07/2021
9.	SuratBamroli	115	40%	Completed	30/04/2021
10.	SuratAsarma	22.5	15%	Completed	30/09/2021
11.	SuratKhajod	30	10%	Completed	30/09/2021
12.	Vadodara Kapurai	60	68%	75%	30/06/2021
13.	Vadodara Chhani	50	22%	Completed	31/12/2021
14.	Vadodara Bhayli	45	10%	Completed	28/02/2022
15.	Vadodara Sayaji garden	7.5	50%	Completed	30/06/2021
16.	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17.	Bhavnagar Axcel Industries	50	21%	Completed	31/05/2022
18.	JunagadhBilkha Road, Near CBSE School	8.2	25%	Completed	31/06/2021
19.	Rajula	5.70	0.00%	Completed	09/07/2021
20.	Bagasara	5.90	5.12%	Completed	09/07/2021
21.	Chalala	2.80	82.00%	Completed	12/04/2021
22.	Mahuva	16.30	37.61%	Completed	21/05/2021
23.	Talaja	5.80	50.00%	Completed	31/05/2021
24.	Una	11.70	81.00%	Completed	25/02/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
25.	Bantva	2.60	80.25%	Completed	28/02/2021
26.	Dehgam	7.60	92.0%	Completed	28/02/2021
27.	Mansa	5.00	15.04%	Completed	24/05/2021
28.	Tharad	4.80	Completed Under Trail Run	Completed	31/12/2020
29.	Dhanera	4.00	25.00%	Completed	15/11/2021
30.	Bhabhar	3.50	25.00%	Completed	30/07/2021
31.	Thara	3.60	20.00%	Completed	15/11/2021
32.	Kadi	12.80	35.00%	Completed	05/09/2021
33.	Unjha	11.60	69.00%	Completed	31/05/2021
34.	Visnagar-1	12.00	86.00%	Completed	04/04/2021
35.	Visnagar-2	5.30	27.00%	Completed	04/04/2021
36.	Kheralu	2.90	35.00%	Completed	10/11/2021
37.	Vijapur	4.10	20.00%	Completed	10/11/2021
38.	Radhanpur	6.00	1.00%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	10/11/2021
39.	Idar	7.40	83.00%	Completed	31/03/2021
40.	Khedbrahma	5.80	68.00%	Completed	11/03/2021
41.	Prantij	3.70	53.30%	Completed	31/03/2021
42.	Talod	3.60	0.00%	Completed	30/10/2021
43.	Vadali	3.80	0.00%	Completed	30/10/2021
44.	Jambusar	5.90	39.00%	Completed	08/10/2021
45.	Amod	3.10	10.00%	Completed	08/10/2021
46.	Bilimora	8.30	10.00%	Completed	04/03/2022
47.	Gandevi	2.60	7.00%	Completed	30/10/2021
48.	Bardoli	11.30	88.00%	Completed	08/03/2021
49.	KanakpurKansad	7.80	0.00%	Completed	After 18 months from possession of land
50.	Vyara	6.50	88.10%	Completed	31/03/2021
51.	nogapur	4.10	29.00%	Completed	30/04/2021
52.	Borsad	9.80	68.7%	Completed	30/04/2021
53.	Umreth	6.10	48.00%	Completed	30/08/2021
54.	Dahod	13.70	98.00%	Completed	Physical work completed, can be commissioned after power connection.
55.	Zalod	4.60	85.00%	Completed	31/03/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
56.	Devgadhbariya	3.80	75.00%	Completed	31/03/2021
57.	Santrampur	2.91	25.00%	Completed	30/09/2021
58.	Kalol (P)	4.77	27.00%	Completed	30/09/2021
59.	Shehra	2.80	2.00%	Completed	30/09/2021
60.	Chhotaudepur	5.00	92.00%	Completed	28/02/2021
61.	Padra	5.60	63.90%	Completed	31/07/2021
62.	Viramgam	4.50	43.00%	Completed	30/05/2021
63.	Bavla	5.80	2.00%	Completed	31/12/2021
64.	Dhandhuka	7.50	86.70%	Completed	28/02/2021
65.	Bareja	3.10	61.00%	Completed	21/02/2021
66.	Chaklasi	4.90	0.00%	Completed	After 15 months from possession of land
67.	Kapadwanj	6.20	9.00%	Completed	31/12/2021
68.	Mehmdabad	5.60	38.00%	Completed	17/11/2021
69.	Dakor	4.90	0.00%	Completed	After 15 months from possession of land
70.	Kheda	5.20	32.00%	Completed	17/11/2021
71.	Chotila-1	2.30	4.00%	Completed	30/09/2021
72.	Chotila-2	1.70	4.00%	Completed	After 15 months from possession of land
73.	Wadhwan	12.10	0.00%	Completed	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

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
					STP.
74.	Dhangadhra	11.60	95.00%	Completed	28/02/2021
75.	Barwala	2.90	6.00%	Completed	09/07/2021
76.	Jasdan	8.80	Completed Under trial run	Completed	31/12/2020
77.	Harij	3.00	4.00%	Completed	31/12/2021
78.	Chanasma	2.50	0.00%	Completed	After 15 months from possession of land
79.	Ode	2.50	2.00%	Completed	09/09/2021
80.	Karjan	5.20	6.75%	Completed	09/12/2021
81.	Vadnagar	5.94	95.00%	Completed	31/12/2020
82.	Botad	32.00	86.00%	Completed	28/02/2021
83.	Morbi-2	9.30	87.60%	Completed	31/03/2021
84.	Jetpur	23.50	88.00%	Completed	31/01/2021
85.	Gondal	16.50	46.00%	Completed	30/06/2021
86.	Amreli	18.20	71.00%	Completed	31/05/2021
87.	Kalol	23.50	16.00%	Completed	31/03/2021
88.	Palanpur	21.30	3.00%	95%	31/03/2021
89.	Deesa	17.00	62.00%	Completed	31/03/2021
90.	Bharuch	29.32	79.00%	90%	31/03/2021
91.	Vapi-1	14.00	40.00%	Completed	31/03/2021
92.	Anand-3	6.50	80.00%	Completed	31/03/2021
93.	Porbandar-1	12.80	80.00%	Completed	31/03/2021
94.	Porbandar-2	19.10	90.00%	Completed	31/01/2021
95.	Damnagar	2.80	0.00%	Completed	11/02/2022
96.	Lathi	3.80	0.00%	Completed	11/02/2022
97.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1706.34			

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	Work to be Awarded	31/12/2022
2.	Vadodara Tarsali	48	DPR Stage	31/12/2022
3.	Vadodara Atladara	83	DPR Stage	31/12/2022
4.	Vadodara Gajarawadi	93	DPR Stage	31/12/2022
5.	GandhinagarSargasan	50	DPR Stage	31/12/2022
6.	Bhavnagar Akwada	19.2	Work order given	31/12/2022
7.	Jamnagar Nr Rangmati River	40	DPR Stage	31/12/2022
8.	Junagadh	15.50	DPR Stage	31/12/2022
9.	Junagadh	11.00	DPR Stage	31/12/2022
10.	Junagadh	29.50	DPR Stage	31/12/2022
11.	Balasinor	6.50	Work order given	23/01/2022
12.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
13.	Bhanvad	3.00	Under Tender evaluation	31/03/2022
14.	Savli	2.50	Under Tender evaluation	31/03/2022
15.	Visavadar	3.40	Under Tender evaluation	31/03/2022
16.	Rajpipla	5.02	Under Tender evaluation	31/03/2022
17.	Khambhat-1	6.80	Work order given	04/06/2022
18.	Khambhat-2	4.50	Work order given	04/06/2022
19.	Anklav	3.60	Work order given	04/03/2022
20.	Boriavi	3.30	Under Tender evaluation	31/03/2022
21.	Lunawada	5.60	Under Tender evaluation	31/03/2022
22.	Kanjari	3.30	Under Tender evaluation	31/03/2022
23.	Okha	10.10	Under Tender evaluation	31/03/2022
24.	Beyt (near Okha)	1.20	Under Tender evaluation	31/03/2022
25.	Khambhalia	5.50	Under Tender evaluation	31/03/2022
26.	Salaya, Jamnagar	6.20	Under Tender evaluation	31/03/2022
27.	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022

28.	Wankaner	5.80	Tender tobe invited	31/03/2022
29.	Chhaya	13.10	Under Tender evaluation	31/03/2022
30.	Palitana	10.81	Under Tender evaluation	31/03/2022
31.	MandviSurat	3.50	Under Tender evaluation	31/03/2022
32.	Thangadh	9.00	Work order given	07/06/2022
33.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
34.	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
35.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
36.	Babra	4.00	Tender tobe invited	31/12/2022
37.	Kodinar	5.60	Tender tobe invited	31/12/2022
38.	Sutrapada	4.00	Tender tobe invited	31/12/2022
39.	Talala	3.80	Tender tobe invited	31/12/2022
40.	Chorvad	3.70	Tender tobe invited	31/12/2022
41.	Halol	11.60	Tender tobe invited	31/12/2022
42.	Thasra	2.30	Tender tobe invited	31/12/2022
43.	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
44.	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
45.	Jamraval	2.60	Tender tobe invited	31/12/2022
46.	Dhrol	3.60	Tender tobe invited	31/12/2022
47.	Kalavad	3.60	Tender Online	31/12/2022
48.	Halvad	6.70	Under Tender evaluation	31/12/2022
49.	Maliya	2.50	Tender tobe invited	31/12/2022
50.	Kutiyana	2.90	Tender tobe invited	31/12/2022
51.	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
52.	Ranavav-2	4.50	Tender tobe invited	31/12/2022
53.	Dhoraji	12.90	Tender tobe invited	31/12/2022
54.	Bhayavadar	3.10	Tender tobe invited	31/12/2022
55.	Manavadar	4.90	Under Tender evaluation	31/12/2022
56.	Pethapur	3.80	Tender online (earlier tender rejected/ disqualified)	31/03/2022
57.	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
58.	Umargam	6.48	Under Tender evaluation	31/12/2022
59.	Dabhoi	8.96	Under Tender evaluation	31/12/2022
60.	Sikka	2.90	Tender Online	31/12/2022
61.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
62.	Mahesana-1	23.18	Tender Online	31/03/2022
63.	Mahesana-2	18.46	Tender Online	31/03/2022

64.	Jafrabad	5.4	DPR/DTP stage	31/12/2022
65.	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
66.	Shihor	8.9	Tender tobe invited	31/12/2022
67.	Mangrol	9.6	DPR/DTP stage	31/12/2022
68.	Vanthli	2.2	DPR/DTP stage	31/12/2022
69.	Modasa	12.0	DPR/DTP stage	31/12/2022
70.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
71.	Songadh	4.5	Tender tobe invited	31/12/2022
72.	Pardi	4.6	Tender tobe invited	31/12/2022
73.	Karamsad	6.0	Tender tobe invited	31/12/2022
74.	Limdi	7.4	DPR/DTP stage	31/12/2022
75.	Bhachau	1.0	Tender tobe invited	31/12/2022
76.	Rapar	5.2	Tender tobe invited	31/12/2022
77.	Upleta	8.9	DPR/DTP stage	31/12/2022
78.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

Note: 1. Earlier at the time of submission of details regarding Proposed STPs of the State, the Sr.no. was inadvertently written as 80 actually it was 78 (Sr.No. 27 & 28 were skipped by mistake.

2. Work order for STPs at Sr.No. 6,11,17,18,19& 32 have been given

3. STP at Sr. No. 58 i.ePethapur STP of Gandhinagar District will henceforth be reflected along with the other STP of Gandhinagar District at Sr.No.5.

Details of 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
1.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
2.	GandhinagarBhat	30	DPR Stage	31/12/2022

[After addition of the above two newly proposed STPs, total number of proposed STPs in the state are 78 + 2 = 80]

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 December-2020:

Month	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)
Dec-20	43527	At village Dadhal	7.06	8.0	0.44	11	94	33

Annexure-II(B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River for December-2020:

Month	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
Dec-20	50637	Jitali Water works	7.60	<5	5	0.034	BDL	BDL	0.078	0.110	--	0.085	BDL

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	HiraporGramPanchayat- 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 leanperiod. • 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 IrrigationPractices: • General government of irrigation is maintained in command area of KarjanProject. • 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 rotationperiod. • As such no water logging issues are notice due to irrigation commandarea. 3. Detail on Flood Plain ManagementZone: • NIL

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 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 CETPs
November-2020

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	556	SCN Dated 11/01/2021
		BOD	30	34	
2.	M/s. Gujarat VepariMaha Mandal SahkariUdhyogikVasahat Ltd, Ahmedabad	NH_3-N	50	89.88	--
3.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	COD	250	261	SCN Dated 11/01/2021
		BOD	30	36	
4.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	516	Legal notice issued
		BOD	30	57	
5.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	SS	100	242	--
6.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	424	--
7.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	162	Action under process
8.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar	COD	500	597	Action under process
		NH_3-N	50	116.48	
9.	M/s. CETP of Kejriwal Integrated Textile Park Ltd – KITPL	SS	<5	8	--
10	M/s. Gujarat Eco Textile Park Pvt Ltd, Palsana, Surat	SS	<60	68	Action under process
11	M/S of Bhatgam washing ghatsudhhikaranYojanaPvt. Ltd., Bhatgam, Rajkot	COD	100	264	NOD issued on 19/12/2020 CETP is under trial run
		BOD	30	85	
		SS	100	126	
12	M/s Jetpur Dying & Printing	COD	250	610	Action

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
	Association, Jetpur, Rajkot	BOD	100	190	under process CETP is under trial run
		SS	100	248	
13	M/s Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	270	Action under process CETP is under trial run

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 December – 2020.

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
- Capacity Utilization of existing STPs: 2739 MLD
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
- No. of Operational STPs:72
- No. of Complying STPs: 24
- No. of Non-complying STPs: 21
- STPs under maintenance / modification: 1
- STPs not obtained CTE / CC&A of GPCB: 13
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 3
- Details of STPs not available: 1
- 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 includeLandfillable, 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: 21, ➢ Non complying: 13 (Please refer Annexure VI) *(as per CM dash board data for **November-2020**, 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	170
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: 36.42 MT/day
- No. of Hospitals and Health Care Facilities: 31286
- Status of Treatment Facility/ CBMWTF: Existing – 21, Proposed – 1
  Capacity – 126 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: 5 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 (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.	**Vapi Namdha (14 MLD)**	Work in Progress. 50% overall work Completed. (time line March-2021)
2.	**Vapi Chandor (29.53 MLD)**	Revised DPR under preparation. (Revised timeline September 2022)
3.	**Vapi Notified Area Authority 10 (5+5) MLD**	Detailed project report submitted at Head office on 14/09/2020. Expected

	Capacity increase, from 5 MLD to 10 MLD, proposed during 8th RRC considering the future demand.	to complete by March -2022.

CETPs:

Sr. No.	CETP Proposed, if any	Status
1.	Expansion of the existing CETP of **VGEL from** 55 to 70 MLD.	EC is pending in view of Hon'NGT order dated 23/08/2019 regarding environment management in Critically & Severely polluted areas and consideration of activities / projects in such areas. The project will be completed within 6 months from obtaining EC. Only after obtaining EC by CETP, GPCB will allow further expansion of CETP. 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
1	Ahmedabad Pirana 2009	60	60	Operational	Not Complying
2	Ahmedabad Old Pirana 2004	106	106	Operational	Not Complying
3	Ahmedabad Pirana 2009	180	180	Operational	Not Complying
4	Ahmedabad Vasna 2004	126	126	Operational	Complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Not Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Complying
8	Ahmedabad Vasna 2018	48	48	Operational	Complying
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Complying
10	Ahmedabad Vinzol 2020	35	30	Operational	Not Complying
11	Ahmedabad Arvind Mill	8	8	Operational	Complying
12	Ahmedabad Rasala	1	1	Operational	Complying
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
14	Ahmedabad V S Hospital	1	1	Operational	Complying
15	Ahmedabad Nikol	0.5	0.5	Operational	---
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
17	Ahmedabad Lambha	5	2	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
18	Surat Singanpore 2003/2014	155	147.58	Operational	Not Complying
19	Surat Karanj 1999/2015	140	136.59	Operational	Complying
20	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Not Complying
21	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
22	Surat Bamroli 2008/2019	100	77.9	Operational	Not Complying
23	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
24	Surat Khajod 2011	25	21.36	Operational	Not Complying
25	Surat Asarama 2011	15	19.23	Operational	Not Complying
26	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
27	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Not Complying
28	Surat Gavier 2016	53	15.37	Operational	Complying
29	Vadodara Tarsali	52	58	Operational	Not Complying
30	Vadodara Gajarawadi	66	72	Operational	Not Complying
31	Vadodara Kapurai	43	50	Operational	Not Complying
32	Vadodara Rajivnagar	78	32	Operational	Complying
33	Vadodara Sayaji garden	8.5	7	Operational	Under modification
34	Vadodara Channi	21	25	Operational	Not Complying
35	Vadodara Atladara (old)	43	51	Operational	Not Complying
36	Vadodara Atladara (new)	43	54	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
37	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Complying
39	Gandhinagar Basan 2011-12	2	0.3	Operational	Complying
40	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
41	Rajkot Raiyadhar 2017	56	15	Operational	Not Obtained CTE & CCA
42	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not Obtained CTE & CCA
43	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying with the norms.
44	Rajkot Gavaridad 2018	70	30	Operational	Complying
45	Rajkot Madhapar 2019	80	20	Operational	Not Obtained CTE & CCA
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not Obtained CTE & CCA
47	Bhavnagar Behind Excel industries	45	40	Operational	Complying
48	Jamnagar Navagam Ghed	70	65	Operational	CCA renewal rejected for not meeting with the timeline of action plan submitted with CCA application.
49	Gandhidham - Anjar	30.00	22	Operational	Complying
50	Patan	25.00	13	Operational	Not Obtained CTE & CCA
51	Nadiad	51.26	20	Operational	Not Complying
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
	Vidhyanagar				
54	Sanand	20.50	0	Non - Operational	Under Trail Run
55	Himmatnagar	17.51	6	Operational	Complying
56	Petlad	10.37	8	Operational	Not Obtained CTE & CCA
57	Dholka	13.60	8	Operational	Not Complying
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	Not Obtained CTE & CCA
66	Godhra	27.60	4	Operational	Not Complying
67	Bhuj	23.70	19	Operational	Not complying
68	Bhachau	10	4	Operational	CCA expired, not applied for renewal.
69	Anand	33	9	Operational	Not Obtained CTE & CCA
70	Anand	13.5	2.5	Operational	Not Obtained CTE & CCA
71	Surendranagar	32.3	17	Operational	Not Obtained CTE & CCA
72	Valsad-1	20.2	2	Operational	CTE issued CCA yet not applied
73	Morbi	28.8	6	Operational	Complying
Total		3485.66	2738.72		

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	75%	Completed	30/06/2021
2.	Ahmedabad Pirana	155	80%	Completed	31/03/2021
3.	Ahmedabad Maleksaban	30	5%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	Surat Bhesan	100	95%	Completed	31/03/2021
7.	SuratSinganpore	100	88%	Completed	30/06/2021
8.	SuratBhatar	115	58%	Completed	31/07/2021
9.	SuratBamroli	115	40%	Completed	30/04/2021
10.	SuratAsarma	22.5	15%	Completed	30/09/2021
11.	SuratKhajod	30	10%	Completed	30/09/2021
12.	Vadodara Kapurai	60	68%	75%	30/06/2021
13.	Vadodara Chhani	50	22%	Completed	31/12/2021
14.	Vadodara Bhayli	45	10%	Completed	28/02/2022
15.	Vadodara Sayaji garden	7.5	50%	Completed	30/06/2021
16.	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17.	Bhavnagar Axcel Industries	50	21%	Completed	31/05/2022
18.	JunagadhBilkha Road, Near CBSE School	8.2	25%	Completed	31/06/2021
19.	Rajula	5.70	0.00%	Completed	09/07/2021
20.	Bagasara	5.90	5.12%	Completed	09/07/2021
21.	Chalala	2.80	82.00%	Completed	12/04/2021
22.	Mahuva	16.30	37.61%	Completed	21/05/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
23.	Talaja	5.80	50.00%	Completed	31/05/2021
24.	Una	11.70	81.00%	Completed	25/02/2021
25.	Bantva	2.60	80.25%	Completed	28/02/2021
26.	Dehgam	7.60	92.0%	Completed	28/02/2021
27.	Mansa	5.00	15.04%	Completed	24/05/2021
28.	Tharad	4.80	Completed Under Trail Run	Completed	31/12/2020
29.	Dhanera	4.00	25.00%	Completed	15/11/2021
30.	Bhabhar	3.50	25.00%	Completed	30/07/2021
31.	Thara	3.60	20.00%	Completed	15/11/2021
32.	Kadi	12.80	35.00%	Completed	05/09/2021
33.	Unjha	11.60	69.00%	Completed	31/05/2021
34.	Visnagar-1	12.00	86.00%	Completed	04/04/2021
35.	Visnagar-2	5.30	27.00%	Completed	04/04/2021
36.	Kheralu	2.90	35.00%	Completed	10/11/2021
37.	Vijapur	4.10	20.00%	Completed	10/11/2021
38.	Radhanpur	6.00	1.00%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	10/11/2021
39.	Idar	7.40	83.00%	Completed	31/03/2021
40.	Khedbrahma	5.80	68.00%	Completed	11/03/2021
41.	Prantij	3.70	53.30%	Completed	31/03/2021
42.	Talod	3.60	0.00%	Completed	30/10/2021
43.	Vadali	3.80	0.00%	Completed	30/10/2021
44.	Jambusar	5.90	39.00%	Completed	08/10/2021
45.	Amod	3.10	10.00%	Completed	08/10/2021
46.	Bilimora	8.30	10.00%	Completed	04/03/2022
47.	Gandevi	2.60	7.00%	Completed	30/10/2021
48.	Bardoli	11.30	88.00%	Completed	08/03/2021
49.	KanakpurKansad	7.80	0.00%	Completed	After 18 months from possession of land
50.	Vyara	6.50	88.10%	Completed	31/03/2021
51.	nogapur	4.10	29.00%	Completed	30/04/2021
52.	Borsad	9.80	68.7%	Completed	30/04/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
53.	Umreth	6.10	48.00%	Completed	30/08/2021
54.	Dahod	13.70	98.00%	Completed	Physical work completed, can be commissioned after power connection.
55.	Zalod	4.60	85.00%	Completed	31/03/2021
56.	Devgadhbariya	3.80	75.00%	Completed	31/03/2021
57.	Santrampur	2.91	25.00%	Completed	30/09/2021
58.	Kalol (P)	4.77	27.00%	Completed	30/09/2021
59.	Shehra	2.80	2.00%	Completed	30/09/2021
60.	Chhotaudepur	5.00	92.00%	Completed	28/02/2021
61.	Padra	5.60	63.90%	Completed	31/07/2021
62.	Viramgam	4.50	43.00%	Completed	30/05/2021
63.	Bavla	5.80	2.00%	Completed	31/12/2021
64.	Dhandhuka	7.50	86.70%	Completed	28/02/2021
65.	Bareja	3.10	61.00%	Completed	21/02/2021
66.	Chaklasi	4.90	0.00%	Completed	After 15 months from possession of land
67.	Kapadwanj	6.20	9.00%	Completed	31/12/2021
68.	Mehmdabad	5.60	38.00%	Completed	17/11/2021
69.	Dakor	4.90	0.00%	Completed	After 15 months from possession of land
70.	Kheda	5.20	32.00%	Completed	17/11/2021
71.	Chotila-1	2.30	4.00%	Completed	30/09/2021
72.	Chotila-2	1.70	4.00%	Completed	After 15 months from possession of land
73.	Wadhwan	12.10	0.00%	Completed	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

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
					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.
74.	Dhangadhra	11.60	95.00%	Completed	28/02/2021
75.	Barwala	2.90	6.00%	Completed	09/07/2021
76.	Jasdan	8.80	Completed Under trial run	Completed	31/12/2020
77.	Harij	3.00	4.00%	Completed	31/12/2021
78.	Chanasma	2.50	0.00%	Completed	After 15 months from possession of land
79.	Ode	2.50	2.00%	Completed	09/09/2021
80.	Karjan	5.20	6.75%	Completed	09/12/2021
81.	Vadnagar	5.94	95.00%	Completed	31/12/2020
82.	Botad	32.00	86.00%	Completed	28/02/2021
83.	Morbi-2	9.30	87.60%	Completed	31/03/2021
84.	Jetpur	23.50	88.00%	Completed	31/01/2021
85.	Gondal	16.50	46.00%	Completed	30/06/2021
86.	Amreli	18.20	71.00%	Completed	31/05/2021
87.	Kalol	23.50	16.00%	Completed	31/03/2021
88.	Palanpur	21.30	3.00%	95%	31/03/2021
89.	Deesa	17.00	62.00%	Completed	31/03/2021
90.	Bharuch	29.32	79.00%	90%	31/03/2021
91.	Vapi-1	14.00	40.00%	Completed	31/03/2021
92.	Anand-3	6.50	80.00%	Completed	31/03/2021
93.	Porbandar-1	12.80	80.00%	Completed	31/03/2021
94.	Porbandar-2	19.10	90.00%	Completed	31/01/2021
95.	Damnagar	2.80	0.00%	Completed	11/02/2022
96.	Lathi	3.80	0.00%	Completed	11/02/2022
97.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1706.34			

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	Work to be Awarded	31/12/2022
2.	Vadodara Tarsali	48	DPR Stage	31/12/2022
3.	Vadodara Atladara	83	DPR Stage	31/12/2022
4.	Vadodara Gajarawadi	93	DPR Stage	31/12/2022
5.	GandhinagarSargasan	50	DPR Stage	31/12/2022
6.	Bhavnagar Akwada	19.2	Work order given	31/12/2022
7.	Jamnagar Nr Rangmati River	40	DPR Stage	31/12/2022
8.	Junagadh	15.50	DPR Stage	31/12/2022
9.	Junagadh	11.00	DPR Stage	31/12/2022
10.	Junagadh	29.50	DPR Stage	31/12/2022
11.	Balasinor	6.50	Work order given	23/01/2022
12.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
13.	Bhanvad	3.00	Under Tender evaluation	31/03/2022
14.	Savli	2.50	Under Tender evaluation	31/03/2022
15.	Visavadar	3.40	Under Tender evaluation	31/03/2022
16.	Rajpipla	5.02	Under Tender evaluation	31/03/2022
17.	Khambhat-1	6.80	Work order given	04/06/2022
18.	Khambhat-2	4.50	Work order given	04/06/2022
19.	Anklav	3.60	Work order given	04/03/2022
20.	Boriavi	3.30	Under Tender evaluation	31/03/2022
21.	Lunawada	5.60	Under Tender	31/03/2022

			evaluation	
22.	Kanjari	3.30	Under Tender evaluation	31/03/2022
23.	Okha	10.10	Under Tender evaluation	31/03/2022
24.	Beyt (near Okha)	1.20	Under Tender evaluation	31/03/2022
25.	Khambhalia	5.50	Under Tender evaluation	31/03/2022
26.	Salaya, Jamnagar	6.20	Under Tender evaluation	31/03/2022
27.	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
28.	Wankaner	5.80	Tender tobe invited	31/03/2022
29.	Chhaya	13.10	Under Tender evaluation	31/03/2022
30.	Palitana	10.81	Under Tender evaluation	31/03/2022
31.	MandviSurat	3.50	Under Tender evaluation	31/03/2022
32.	Thangadh	9.00	Work order given	07/06/2022
33.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
34.	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
35.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
36.	Babra	4.00	Tender tobe invited	31/12/2022
37.	Kodinar	5.60	Tender tobe invited	31/12/2022
38.	Sutrapada	4.00	Tender tobe invited	31/12/2022
39.	Talala	3.80	Tender tobe invited	31/12/2022
40.	Chorvad	3.70	Tender tobe invited	31/12/2022
41.	Halol	11.60	Tender tobe invited	31/12/2022
42.	Thasra	2.30	Tender tobe invited	31/12/2022
43.	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
44.	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
45.	Jamraval	2.60	Tender tobe invited	31/12/2022
46.	Dhrol	3.60	Tender tobe invited	31/12/2022
47.	Kalavad	3.60	Tender Online	31/12/2022
48.	Halvad	6.70	Under Tender evaluation	31/12/2022
49.	Maliya	2.50	Tender tobe invited	31/12/2022
50.	Kutiyana	2.90	Tender tobe invited	31/12/2022
51.	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
52.	Ranavav-2	4.50	Tender tobe invited	31/12/2022
53.	Dhoraji	12.90	Tender tobe invited	31/12/2022

54.	Bhayavadar	3.10	Tender tobe invited	31/12/2022
55.	Manavadar	4.90	Under Tender evaluation	31/12/2022
56.	Pethapur	3.80	Tender online (earlier tender rejected/ disqualified)	31/03/2022
57.	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
58.	Umargam	6.48	Under Tender evaluation	31/12/2022
59.	Dabhoi	8.96	Under Tender evaluation	31/12/2022
60.	Sikka	2.90	Tender Online	31/12/2022
61.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
62.	Mahesana-1	23.18	Tender Online	31/03/2022
63.	Mahesana-2	18.46	Tender Online	31/03/2022
64.	Jafrabad	5.4	DPR/DTP stage	31/12/2022
65.	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
66.	Shihor	8.9	Tender tobe invited	31/12/2022
67.	Mangrol	9.6	DPR/DTP stage	31/12/2022
68.	Vanthli	2.2	DPR/DTP stage	31/12/2022
69.	Modasa	12.0	DPR/DTP stage	31/12/2022
70.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
71.	Songadh	4.5	Tender tobe invited	31/12/2022
72.	Pardi	4.6	Tender tobe invited	31/12/2022
73.	Karamsad	6.0	Tender tobe invited	31/12/2022
74.	Limdi	7.4	DPR/DTP stage	31/12/2022
75.	Bhachau	1.0	Tender tobe invited	31/12/2022
76.	Rapar	5.2	Tender tobe invited	31/12/2022
77.	Upleta	8.9	DPR/DTP stage	31/12/2022
78.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

Note: 1. Earlier at the time of submission of details regarding Proposed STPs of the State, the Sr.no. was inadvertently written as 80 actually it was 78 (Sr.No. 27 & 28 were skipped by mistake.

2. Work order for STPs at Sr.No. 6,11,17,18,19& 32 have been given

3. STP at Sr. No. 58 i.ePethapur STP of Gandhinagar District will henceforth be reflected along with the other STP of Gandhinagar District at Sr.No.5.

Details of 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
1.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
2.	GandhinagarBhat	30	DPR Stage	31/12/2022

[After addition of the above two newly proposed STPs, total number of proposed STPs in the state are 78 + 2 = 80]

Annexure-II

XIII. Progress/Status Report of the River/PRS water quality Monitoring December – 2020:

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
04/12/2020	GIDC Vapi Weir	7.10	7.84	0.5	9.0	11.0	43.0
04/12/2020	Zari Causeway Kachigam	6.20	7.91	1.3	16.0	920.0	1600.0
07/12/2020	Village Namdha	6.30	7.98	1.3	18.0	38	110.0

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

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)	KalkadaKhadi (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):

SampDt	Type	BOD		COD		NH3		pH		SS	
		Inlet	Outlet	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet
14/12/2020	ROU	225	30	1035	252	44.80	42.56	6.79	7.61	300	78
Standards			**30**		**250**		**50**		**6.5-8.5**		**100**
		Complying									

Annexure-II (D)

Progress/Status Report of the River/PRS ground water quality monitoring December– 2020

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)	SS	Iron	Lead	Nickel
04/12/2020	Borewell at JillaPanchayat School, KantaFaliya, Village Namdha	5.70	7.88	0.5	8.00	<2	<2	4.00	0.207	BDL	BDL

Zinc	Manganese	Nitrite	Nitrate	Hexavalent Chromium	Total Chromium	Percent Sodium	NH3	Total KejeldahlNirtogen	TDS	Conductivity
0.047	0.054	0.014	0.44	BDL	BDL	8.89	0.28	1.12	256.00	466.00

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 enoughflowisavailablehencequestiondoesnotarise. 2. Detail of Good IrrigationPractices: • General Government Practice of irrigation is maintained in command area of Damangangareservoirproject. • Farmers are made aware to use wateroptimally. • Canal System of Damanganga project are fully linedso as to minimize seepagelosses. • As such no water logging issue noticed so far in the command area of Damangangareservoirproject. 3. Detail on Flood Plain ManagementZone: • 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 CETPs
November-2020

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	556	SCN Dated 11/01/2021
		BOD	30	34	
2.	M/s. Gujarat VepariMaha Mandal SahkariUdhyogikVasahat Ltd, Ahmedabad	NH_3-N	50	89.88	--
3.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	COD	250	261	SCN Dated 11/01/2021
		BOD	30	36	
4.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	516	Legal notice issued
		BOD	30	57	
5.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	SS	100	242	--
6.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	424	--
7.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	162	Action under process
8.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar	COD	500	597	Action under process
		NH_3-N	50	116.48	
9.	M/s. CETP of Kejriwal Integrated Textile Park Ltd – KITPL	SS	<5	8	--
10.	M/s. Gujarat Eco Textile Park Pvt Ltd, Palsana, Surat	SS	<60	68	Action under process
11.	M/S of Bhatgam washing ghatsudhhikaranYojanaPvt. Ltd., Bhatgam, Rajkot	COD	100	264	NOD issued on 19/12/2020
		BOD	30	85	

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
		SS	100	126	CETP is under trial run
12.	M/s Jetpur Dying & Printing Association, Jetpur, Rajkot	COD	250	610	Action under process CETP is under trial run
		BOD	100	190	
		SS	100	248	
13.	M/s Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	270	Action under process CETP is under trial run

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 December – 2020.

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
- Capacity Utilization of existing STPs: 2739 MLD
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
- No. of Operational STPs:72
- No. of Complying STPs: 24
- No. of Non-complying STPs: 21
- STPs under maintenance / modification: 1
- STPs not obtained CTE / CC&A of GPCB: 13
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 3
- Details of STPs not available: 1
- 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 includeLandfillable, 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: 21, ➢ Non complying: 13 (Please refer Annexure VI) *(as per CM dash board data for **November-2020**, 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	170
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: 36.42 MT/day
- No. of Hospitals and Health Care Facilities: 31286
- Status of Treatment Facility/ CBMWTF: Existing – 21, Proposed – 1
  Capacity – 126 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: 5 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 (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.	15 MLD STP by Vapi Notified Area Authority (For PRS Kolak) (considering future demand 10 to 15 MLD is proposed during 8th RRC meeting.)	Project report submitted at Head Office on 14/09/2020.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
1	Ahmedabad Pirana 2009	60	60	Operational	Not Complying
2	Ahmedabad Old Pirana 2004	106	106	Operational	Not Complying
3	Ahmedabad Pirana 2009	180	180	Operational	Not Complying
4	Ahmedabad Vasna 2004	126	126	Operational	Complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Not Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Complying
8	Ahmedabad Vasna 2018	48	48	Operational	Complying
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Complying
10	Ahmedabad Vinzol 2020	35	30	Operational	Not Complying
11	Ahmedabad Arvind Mill	8	8	Operational	Complying
12	Ahmedabad Rasala	1	1	Operational	Complying
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
14	Ahmedabad V S Hospital	1	1	Operational	Complying
15	Ahmedabad Nikol	0.5	0.5	Operational	---
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
17	Ahmedabad Lambha	5	2	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
18	Surat Singanpore 2003/2014	155	147.58	Operational	Not Complying
19	Surat Karanj 1999/2015	140	136.59	Operational	Complying
20	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Not Complying
21	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
22	Surat Bamroli 2008/2019	100	77.9	Operational	Not Complying
23	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
24	Surat Khajod 2011	25	21.36	Operational	Not Complying
25	Surat Asarama 2011	15	19.23	Operational	Not Complying
26	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
27	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Not Complying
28	Surat Gavier 2016	53	15.37	Operational	Complying
29	Vadodara Tarsali	52	58	Operational	Not Complying
30	Vadodara Gajarawadi	66	72	Operational	Not Complying
31	Vadodara Kapurai	43	50	Operational	Not Complying
32	Vadodara Rajivnagar	78	32	Operational	Complying
33	Vadodara Sayaji garden	8.5	7	Operational	Under modification
34	Vadodara Channi	21	25	Operational	Not Complying
35	Vadodara Atladara (old)	43	51	Operational	Not Complying
36	Vadodara Atladara (new)	43	54	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
37	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Complying
39	Gandhinagar Basan 2011-12	2	0.3	Operational	Complying
40	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
41	Rajkot Raiyadhar 2017	56	15	Operational	Not Obtained CTE & CCA
42	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not Obtained CTE & CCA
43	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying with the norms.
44	Rajkot Gavaridad 2018	70	30	Operational	Complying
45	Rajkot Madhapar 2019	80	20	Operational	Not Obtained CTE & CCA
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not Obtained CTE & CCA
47	Bhavnagar Behind Excel industries	45	40	Operational	Complying
48	Jamnagar Navagam Ghed	70	65	Operational	CCA renewal rejected for not meeting with the timeline of action plan submitted with CCA application.
49	Gandhidham - Anjar	30.00	22	Operational	Complying
50	Patan	25.00	13	Operational	Not Obtained CTE & CCA
51	Nadiad	51.26	20	Operational	Not Complying
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
	Vidhyanagar				
54	Sanand	20.50	0	Non - Operational	Under Trail Run
55	Himmatnagar	17.51	6	Operational	Complying
56	Petlad	10.37	8	Operational	Not Obtained CTE & CCA
57	Dholka	13.60	8	Operational	Not Complying
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	Not Obtained CTE & CCA
66	Godhra	27.60	4	Operational	Not Complying
67	Bhuj	23.70	19	Operational	Not complying
68	Bhachau	10	4	Operational	CCA expired, not applied for renewal.
69	Anand	33	9	Operational	Not Obtained CTE & CCA
70	Anand	13.5	2.5	Operational	Not Obtained CTE & CCA
71	Surendranagar	32.3	17	Operational	Not Obtained CTE & CCA
72	Valsad-1	20.2	2	Operational	CTE issued CCA yet not applied
73	Morbi	28.8	6	Operational	Complying
Total		3485.66	2738.72		

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	75%	Completed	30/06/2021
2.	Ahmedabad Pirana	155	80%	Completed	31/03/2021
3.	Ahmedabad Maleksaban	30	5%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	Surat Bhesan	100	95%	Completed	31/03/2021
7.	SuratSinganpore	100	88%	Completed	30/06/2021
8.	SuratBhatar	115	58%	Completed	31/07/2021
9.	SuratBamroli	115	40%	Completed	30/04/2021
10.	SuratAsarma	22.5	15%	Completed	30/09/2021
11.	SuratKhajod	30	10%	Completed	30/09/2021
12.	Vadodara Kapurai	60	68%	75%	30/06/2021
13.	Vadodara Chhani	50	22%	Completed	31/12/2021
14.	Vadodara Bhayli	45	10%	Completed	28/02/2022
15.	Vadodara Sayaji garden	7.5	50%	Completed	30/06/2021
16.	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17.	Bhavnagar Axcel Industries	50	21%	Completed	31/05/2022
18.	JunagadhBilkha Road, Near CBSE School	8.2	25%	Completed	31/06/2021
19.	Rajula	5.70	0.00%	Completed	09/07/2021
20.	Bagasara	5.90	5.12%	Completed	09/07/2021
21.	Chalala	2.80	82.00%	Completed	12/04/2021
22.	Mahuva	16.30	37.61%	Completed	21/05/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
23.	Talaja	5.80	50.00%	Completed	31/05/2021
24.	Una	11.70	81.00%	Completed	25/02/2021
25.	Bantva	2.60	80.25%	Completed	28/02/2021
26.	Dehgam	7.60	92.0%	Completed	28/02/2021
27.	Mansa	5.00	15.04%	Completed	24/05/2021
28.	Tharad	4.80	Completed Under Trail Run	Completed	31/12/2020
29.	Dhanera	4.00	25.00%	Completed	15/11/2021
30.	Bhabhar	3.50	25.00%	Completed	30/07/2021
31.	Thara	3.60	20.00%	Completed	15/11/2021
32.	Kadi	12.80	35.00%	Completed	05/09/2021
33.	Unjha	11.60	69.00%	Completed	31/05/2021
34.	Visnagar-1	12.00	86.00%	Completed	04/04/2021
35.	Visnagar-2	5.30	27.00%	Completed	04/04/2021
36.	Kheralu	2.90	35.00%	Completed	10/11/2021
37.	Vijapur	4.10	20.00%	Completed	10/11/2021
38.	Radhanpur	6.00	1.00%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	10/11/2021
39.	Idar	7.40	83.00%	Completed	31/03/2021
40.	Khedbrahma	5.80	68.00%	Completed	11/03/2021
41.	Prantij	3.70	53.30%	Completed	31/03/2021
42.	Talod	3.60	0.00%	Completed	30/10/2021
43.	Vadali	3.80	0.00%	Completed	30/10/2021
44.	Jambusar	5.90	39.00%	Completed	08/10/2021
45.	Amod	3.10	10.00%	Completed	08/10/2021
46.	Bilimora	8.30	10.00%	Completed	04/03/2022
47.	Gandevi	2.60	7.00%	Completed	30/10/2021
48.	Bardoli	11.30	88.00%	Completed	08/03/2021
49.	KanakpurKansad	7.80	0.00%	Completed	After 18 months from possession of land
50.	Vyara	6.50	88.10%	Completed	31/03/2021
51.	nogapur	4.10	29.00%	Completed	30/04/2021
52.	Borsad	9.80	68.7%	Completed	30/04/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
53.	Umreth	6.10	48.00%	Completed	30/08/2021
54.	Dahod	13.70	98.00%	Completed	Physical work completed, can be commissioned after power connection.
55.	Zalod	4.60	85.00%	Completed	31/03/2021
56.	Devgadhbariya	3.80	75.00%	Completed	31/03/2021
57.	Santrampur	2.91	25.00%	Completed	30/09/2021
58.	Kalol (P)	4.77	27.00%	Completed	30/09/2021
59.	Shehra	2.80	2.00%	Completed	30/09/2021
60.	Chhotaudepur	5.00	92.00%	Completed	28/02/2021
61.	Padra	5.60	63.90%	Completed	31/07/2021
62.	Viramgam	4.50	43.00%	Completed	30/05/2021
63.	Bavla	5.80	2.00%	Completed	31/12/2021
64.	Dhandhuka	7.50	86.70%	Completed	28/02/2021
65.	Bareja	3.10	61.00%	Completed	21/02/2021
66.	Chaklasi	4.90	0.00%	Completed	After 15 months from possession of land
67.	Kapadwanj	6.20	9.00%	Completed	31/12/2021
68.	Mehmdabad	5.60	38.00%	Completed	17/11/2021
69.	Dakor	4.90	0.00%	Completed	After 15 months from possession of land
70.	Kheda	5.20	32.00%	Completed	17/11/2021
71.	Chotila-1	2.30	4.00%	Completed	30/09/2021
72.	Chotila-2	1.70	4.00%	Completed	After 15 months from possession of land
73.	Wadhwan	12.10	0.00%	Completed	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

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
					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.
74.	Dhangadhra	11.60	95.00%	Completed	28/02/2021
75.	Barwala	2.90	6.00%	Completed	09/07/2021
76.	Jasdan	8.80	Completed Under trial run	Completed	31/12/2020
77.	Harij	3.00	4.00%	Completed	31/12/2021
78.	Chanasma	2.50	0.00%	Completed	After 15 months from possession of land
79.	Ode	2.50	2.00%	Completed	09/09/2021
80.	Karjan	5.20	6.75%	Completed	09/12/2021
81.	Vadnagar	5.94	95.00%	Completed	31/12/2020
82.	Botad	32.00	86.00%	Completed	28/02/2021
83.	Morbi-2	9.30	87.60%	Completed	31/03/2021
84.	Jetpur	23.50	88.00%	Completed	31/01/2021
85.	Gondal	16.50	46.00%	Completed	30/06/2021
86.	Amreli	18.20	71.00%	Completed	31/05/2021
87.	Kalol	23.50	16.00%	Completed	31/03/2021
88.	Palanpur	21.30	3.00%	95%	31/03/2021
89.	Deesa	17.00	62.00%	Completed	31/03/2021
90.	Bharuch	29.32	79.00%	90%	31/03/2021
91.	Vapi-1	14.00	40.00%	Completed	31/03/2021
92.	Anand-3	6.50	80.00%	Completed	31/03/2021
93.	Porbandar-1	12.80	80.00%	Completed	31/03/2021
94.	Porbandar-2	19.10	90.00%	Completed	31/01/2021
95.	Damnagar	2.80	0.00%	Completed	11/02/2022
96.	Lathi	3.80	0.00%	Completed	11/02/2022
97.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1706.34			

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	Work to be Awarded	31/12/2022
2.	Vadodara Tarsali	48	DPR Stage	31/12/2022
3.	Vadodara Atladara	83	DPR Stage	31/12/2022
4.	Vadodara Gajarawadi	93	DPR Stage	31/12/2022
5.	GandhinagarSargasan	50	DPR Stage	31/12/2022
6.	Bhavnagar Akwada	19.2	Work order given	31/12/2022
7.	Jamnagar Nr Rangmati River	40	DPR Stage	31/12/2022
8.	Junagadh	15.50	DPR Stage	31/12/2022
9.	Junagadh	11.00	DPR Stage	31/12/2022
10.	Junagadh	29.50	DPR Stage	31/12/2022
11.	Balasinor	6.50	Work order given	23/01/2022
12.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
13.	Bhanvad	3.00	Under Tender evaluation	31/03/2022
14.	Savli	2.50	Under Tender evaluation	31/03/2022
15.	Visavadar	3.40	Under Tender evaluation	31/03/2022
16.	Rajpipla	5.02	Under Tender evaluation	31/03/2022
17.	Khambhat-1	6.80	Work order given	04/06/2022
18.	Khambhat-2	4.50	Work order given	04/06/2022
19.	Anklav	3.60	Work order given	04/03/2022
20.	Boriavi	3.30	Under Tender evaluation	31/03/2022
21.	Lunawada	5.60	Under Tender	31/03/2022

			evaluation	
22.	Kanjari	3.30	Under Tender evaluation	31/03/2022
23.	Okha	10.10	Under Tender evaluation	31/03/2022
24.	Beyt (near Okha)	1.20	Under Tender evaluation	31/03/2022
25.	Khambhalia	5.50	Under Tender evaluation	31/03/2022
26.	Salaya, Jamnagar	6.20	Under Tender evaluation	31/03/2022
27.	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
28.	Wankaner	5.80	Tender tobe invited	31/03/2022
29.	Chhaya	13.10	Under Tender evaluation	31/03/2022
30.	Palitana	10.81	Under Tender evaluation	31/03/2022
31.	MandviSurat	3.50	Under Tender evaluation	31/03/2022
32.	Thangadh	9.00	Work order given	07/06/2022
33.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
34.	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
35.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
36.	Babra	4.00	Tender tobe invited	31/12/2022
37.	Kodinar	5.60	Tender tobe invited	31/12/2022
38.	Sutrapada	4.00	Tender tobe invited	31/12/2022
39.	Talala	3.80	Tender tobe invited	31/12/2022
40.	Chorvad	3.70	Tender tobe invited	31/12/2022
41.	Halol	11.60	Tender tobe invited	31/12/2022
42.	Thasra	2.30	Tender tobe invited	31/12/2022
43.	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
44.	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
45.	Jamraval	2.60	Tender tobe invited	31/12/2022
46.	Dhrol	3.60	Tender tobe invited	31/12/2022
47.	Kalavad	3.60	Tender Online	31/12/2022
48.	Halvad	6.70	Under Tender evaluation	31/12/2022
49.	Maliya	2.50	Tender tobe invited	31/12/2022
50.	Kutiyana	2.90	Tender tobe invited	31/12/2022
51.	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
52.	Ranavav-2	4.50	Tender tobe invited	31/12/2022
53.	Dhoraji	12.90	Tender tobe invited	31/12/2022

54.	Bhayavadar	3.10	Tender tobe invited	31/12/2022
55.	Manavadar	4.90	Under Tender evaluation	31/12/2022
56.	Pethapur	3.80	Tender online (earlier tender rejected/ disqualified)	31/03/2022
57.	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
58.	Umargam	6.48	Under Tender evaluation	31/12/2022
59.	Dabhoi	8.96	Under Tender evaluation	31/12/2022
60.	Sikka	2.90	Tender Online	31/12/2022
61.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
62.	Mahesana-1	23.18	Tender Online	31/03/2022
63.	Mahesana-2	18.46	Tender Online	31/03/2022
64.	Jafrabad	5.4	DPR/DTP stage	31/12/2022
65.	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
66.	Shihor	8.9	Tender tobe invited	31/12/2022
67.	Mangrol	9.6	DPR/DTP stage	31/12/2022
68.	Vanthli	2.2	DPR/DTP stage	31/12/2022
69.	Modasa	12.0	DPR/DTP stage	31/12/2022
70.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
71.	Songadh	4.5	Tender tobe invited	31/12/2022
72.	Pardi	4.6	Tender tobe invited	31/12/2022
73.	Karamsad	6.0	Tender tobe invited	31/12/2022
74.	Limdi	7.4	DPR/DTP stage	31/12/2022
75.	Bhachau	1.0	Tender tobe invited	31/12/2022
76.	Rapar	5.2	Tender tobe invited	31/12/2022
77.	Upleta	8.9	DPR/DTP stage	31/12/2022
78.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

Note: 1. Earlier at the time of submission of details regarding Proposed STPs of the State, the Sr.no. was inadvertently written as 80 actually it was 78 (Sr.No. 27 & 28 were skipped by mistake.

2. Work order for STPs at Sr.No. 6,11,17,18,19& 32 have been given

3. STP at Sr. No. 58 i.ePethapur STP of Gandhinagar District will henceforth be reflected along with the other STP of Gandhinagar District at Sr.No.5.

Details of 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
1.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
2.	GandhinagarBhat	30	DPR Stage	31/12/2022

[After addition of the above two newly proposed STPs, total number of proposed STPs in the state are 78 + 2 = 80]

Annexure-II

XIII. Progress/Status Report of the River/PRS water quality Monitoring (December- 2020):

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
03/12/2020	River Kolak at N H No. 8, Morai	6.90	7.81	0.70	9.0	15	49
03/12/2020	River Kolak at Pataliya Bridge	6.10	7.86	1.10	12.0	350	920

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

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 (December- 2020):

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)	SS	Iron	Lead	Nickel
03/12/2020	Borewell at KoteshwarMahadev Temple, Vatar	6.10	7.78	0.6	8.0	<2.0	<2.0	6.0	0.623	BDL	BDL

Zinc	Manganese	Nitrite	Nitrate	Hexavalent Chromium	Total Chromium	Percent Sodium	Ammonical Nitrogen	Total KejeldahlNirtogen	TDS	Conductivity
0.814	0.040	BDL	0.44	BDL	0.022	9.41	0.28	1.12	462	824

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 tosalvav)	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 CETPs
November-2020

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	556	SCN Dated 11/01/2021
		BOD	30	34	
2.	M/s. Gujarat VepariMaha Mandal SahkariUdhyogikVasahat Ltd, Ahmedabad	NH_3-N	50	89.88	--
3.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	COD	250	261	SCN Dated 11/01/2021
		BOD	30	36	
4.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	516	Legal notice issued
		BOD	30	57	
5.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	SS	100	242	--
6.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	424	--
7.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	162	Action under process
8.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar	COD	500	597	Action under process
		NH_3-N	50	116.48	
9.	M/s. CETP of Kejriwal Integrated Textile Park Ltd – KITPL	SS	<5	8	--
10.	M/s. Gujarat Eco Textile Park Pvt Ltd, Palsana, Surat	SS	<60	68	Action under process
11.	M/S of Bhatgam washing ghatsudhhikaranYojanaPvt. Ltd., Bhatgam, Rajkot	COD	100	264	NOD issued on 19/12/2020 CETP is under trial run
		BOD	30	85	
		SS	100	126	
12.	M/s Jetpur Dying & Printing	COD	250	610	Action

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
	Association, Jetpur, Rajkot	BOD	100	190	under process CETP is under trial run
		SS	100	248	
13.	M/s Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	270	Action under process CETP is under trial run

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 December – 2020.

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
- Capacity Utilization of existing STPs: 2739 MLD
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
- No. of Operational STPs:73
- No. of Complying STPs: 24
- No. of Non-complying STPs: 21
- STPs under maintenance / modification: 1
- STPs not obtained CTE / CC&A of GPCB: 13
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 3
- Details of STPs not available: 1
- 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	Details are being prepared.

MLD:	
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste includeLandfillable, 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: 21, ➢ Non complying: 13 (Please refer Annexure VI) *(as per CM dash board data for **November-2020**, 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	170
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of	• There are total No. 755 of Plants for

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	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: 36.42 MT/day
- No. of Hospitals and Health Care Facilities: 31286
- Status of Treatment Facility/ CBMWTF: Existing – 21, Proposed – 1

  Capacity – 126 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: 5 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
1	Ahmedabad Pirana 2009	60	60	Operational	Not Complying
2	Ahmedabad Old Pirana 2004	106	106	Operational	Not Complying
3	Ahmedabad Pirana 2009	180	180	Operational	Not Complying
4	Ahmedabad Vasna 2004	126	126	Operational	Complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Not Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Complying
8	Ahmedabad Vasna 2018	48	48	Operational	Complying
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Complying
10	Ahmedabad Vinzol 2020	35	30	Operational	Not Complying
11	Ahmedabad Arvind Mill	8	8	Operational	Complying
12	Ahmedabad Rasala	1	1	Operational	Complying
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
14	Ahmedabad V S Hospital	1	1	Operational	Complying
15	Ahmedabad Nikol	0.5	0.5	Operational	---
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
17	Ahmedabad Lambha	5	2	Operational	Complying
18	Surat Singanpore 2003/2014	155	147.58	Operational	Not Complying
19	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
	1999/2015				
20	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Not Complying
21	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
22	Surat Bamroli 2008/2019	100	77.9	Operational	Not Complying
23	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
24	Surat Khajod 2011	25	21.36	Operational	Not Complying
25	Surat Asarama 2011	15	19.23	Operational	Not Complying
26	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
27	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Not Complying
28	Surat Gavier 2016	53	15.37	Operational	Complying
29	Vadodara Tarsali	52	58	Operational	Not Complying
30	Vadodara Gajarawadi	66	72	Operational	Not Complying
31	Vadodara Kapurai	43	50	Operational	Not Complying
32	Vadodara Rajivnagar	78	32	Operational	Complying
33	Vadodara Sayaji garden	8.5	7	Operational	Under modification
34	Vadodara Channi	21	25	Operational	Not Complying
35	Vadodara Atladara (old)	43	51	Operational	Not Complying
36	Vadodara Atladara (new)	43	54	Operational	Complying
37	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Complying
39	Gandhinagar Basan 2011-12	2	0.3	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
40	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
41	Rajkot Raiyadhar 2017	56	15	Operational	Not Obtained CTE & CCA
42	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not Obtained CTE & CCA
43	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying with the norms.
44	Rajkot Gavaridad 2018	70	30	Operational	Complying
45	Rajkot Madhapar 2019	80	20	Operational	Not Obtained CTE & CCA
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not Obtained CTE & CCA
47	Bhavnagar Behind Excel industries	45	40	Operational	Complying
48	Jamnagar Navagam Ghed	70	65	Operational	CCA renewal rejected for not meeting with the timeline of action plan submitted with CCA application.
49	Gandhidham - Anjar	30.00	22	Operational	Complying
50	Patan	25.00	13	Operational	Not Obtained CTE & CCA
51	Nadiad	51.26	20	Operational	Not Complying
52	Siddhpur	5.62	5	Operational	Oxidation pond
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
54	Sanand	20.50	0	Non - Operational	Under Trail Run
55	Himmatnagar	17.51	6	Operational	Complying
56	Petlad	10.37	8	Operational	Not Obtained CTE & CCA
57	Dholka	13.60	8	Operational	Not Complying
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

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
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	Not Obtained CTE & CCA
66	Godhra	27.60	4	Operational	Not Complying
67	Bhuj	23.70	19	Operational	Not complying
68	Bhachau	10	4	Operational	CCA expired, not applied for renewal.
69	Anand	33	9	Operational	Not Obtained CTE & CCA
70	Anand	13.5	2.5	Operational	Not Obtained CTE & CCA
71	Surendranagar	32.3	17	Operational	Not Obtained CTE & CCA
72	Valsad-1	20.2	2	Operational	CTE issued CCA yet not applied
73	Morbi	28.8	6	Operational	Complying
Total		3485.66	2738.72		

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	75%	Completed	30/06/2021
2.	Ahmedabad Pirana	155	80%	Completed	31/03/2021
3.	Ahmedabad Maleksaban	30	5%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	Surat Bhesan	100	95%	Completed	31/03/2021
7.	SuratSinganpore	100	88%	Completed	30/06/2021
8.	SuratBhatar	115	58%	Completed	31/07/2021
9.	SuratBamroli	115	40%	Completed	30/04/2021
10.	SuratAsarma	22.5	15%	Completed	30/09/2021
11.	SuratKhajod	30	10%	Completed	30/09/2021
12.	Vadodara Kapurai	60	68%	75%	30/06/2021
13.	Vadodara Chhani	50	22%	Completed	31/12/2021
14.	Vadodara Bhayli	45	10%	Completed	28/02/2022
15.	Vadodara Sayaji garden	7.5	50%	Completed	30/06/2021
16.	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17.	Bhavnagar Axcel Industries	50	21%	Completed	31/05/2022
18.	JunagadhBilkha Road, Near CBSE School	8.2	25%	Completed	31/06/2021
19.	Rajula	5.70	0.00%	Completed	09/07/2021
20.	Bagasara	5.90	5.12%	Completed	09/07/2021
21.	Chalala	2.80	82.00%	Completed	12/04/2021
22.	Mahuva	16.30	37.61%	Completed	21/05/2021
23.	Talaja	5.80	50.00%	Completed	31/05/2021
24.	Una	11.70	81.00%	Completed	25/02/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
25.	Bantva	2.60	80.25%	Completed	28/02/2021
26.	Dehgam	7.60	92.0%	Completed	28/02/2021
27.	Mansa	5.00	15.04%	Completed	24/05/2021
28.	Tharad	4.80	Completed Under Trail Run	Completed	31/12/2020
29.	Dhanera	4.00	25.00%	Completed	15/11/2021
30.	Bhabhar	3.50	25.00%	Completed	30/07/2021
31.	Thara	3.60	20.00%	Completed	15/11/2021
32.	Kadi	12.80	35.00%	Completed	05/09/2021
33.	Unjha	11.60	69.00%	Completed	31/05/2021
34.	Visnagar-1	12.00	86.00%	Completed	04/04/2021
35.	Visnagar-2	5.30	27.00%	Completed	04/04/2021
36.	Kheralu	2.90	35.00%	Completed	10/11/2021
37.	Vijapur	4.10	20.00%	Completed	10/11/2021
38.	Radhanpur	6.00	1.00%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	10/11/2021
39.	Idar	7.40	83.00%	Completed	31/03/2021
40.	Khedbrahma	5.80	68.00%	Completed	11/03/2021
41.	Prantij	3.70	53.30%	Completed	31/03/2021
42.	Talod	3.60	0.00%	Completed	30/10/2021
43.	Vadali	3.80	0.00%	Completed	30/10/2021
44.	Jambusar	5.90	39.00%	Completed	08/10/2021
45.	Amod	3.10	10.00%	Completed	08/10/2021
46.	Bilimora	8.30	10.00%	Completed	04/03/2022
47.	Gandevi	2.60	7.00%	Completed	30/10/2021
48.	Bardoli	11.30	88.00%	Completed	08/03/2021
49.	KanakpurKansad	7.80	0.00%	Completed	After 18 months from possession of land
50.	Vyara	6.50	88.10%	Completed	31/03/2021
51.	nogapur	4.10	29.00%	Completed	30/04/2021
52.	Borsad	9.80	68.7%	Completed	30/04/2021
53.	Umreth	6.10	48.00%	Completed	30/08/2021
54.	Dahod	13.70	98.00%	Completed	Physical work completed, can be commissioned after power connection.
55.	Zalod	4.60	85.00%	Completed	31/03/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
56.	Devgadhbariya	3.80	75.00%	Completed	31/03/2021
57.	Santrampur	2.91	25.00%	Completed	30/09/2021
58.	Kalol (P)	4.77	27.00%	Completed	30/09/2021
59.	Shehra	2.80	2.00%	Completed	30/09/2021
60.	Chhotaudepur	5.00	92.00%	Completed	28/02/2021
61.	Padra	5.60	63.90%	Completed	31/07/2021
62.	Viramgam	4.50	43.00%	Completed	30/05/2021
63.	Bavla	5.80	2.00%	Completed	31/12/2021
64.	Dhandhuka	7.50	86.70%	Completed	28/02/2021
65.	Bareja	3.10	61.00%	Completed	21/02/2021
66.	Chaklasi	4.90	0.00%	Completed	After 15 months from possession of land
67.	Kapadwanj	6.20	9.00%	Completed	31/12/2021
68.	Mehmdabad	5.60	38.00%	Completed	17/11/2021
69.	Dakor	4.90	0.00%	Completed	After 15 months from possession of land
70.	Kheda	5.20	32.00%	Completed	17/11/2021
71.	Chotila-1	2.30	4.00%	Completed	30/09/2021
72.	Chotila-2	1.70	4.00%	Completed	After 15 months from possession of land
73.	Wadhwan	12.10	0.00%	Completed	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

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
					STP.
74.	Dhangadhra	11.60	95.00%	Completed	28/02/2021
75.	Barwala	2.90	6.00%	Completed	09/07/2021
76.	Jasdan	8.80	Completed Under trial run	Completed	31/12/2020
77.	Harij	3.00	4.00%	Completed	31/12/2021
78.	Chanasma	2.50	0.00%	Completed	After 15 months from possession of land
79.	Ode	2.50	2.00%	Completed	09/09/2021
80.	Karjan	5.20	6.75%	Completed	09/12/2021
81.	Vadnagar	5.94	95.00%	Completed	31/12/2020
82.	Botad	32.00	86.00%	Completed	28/02/2021
83.	Morbi-2	9.30	87.60%	Completed	31/03/2021
84.	Jetpur	23.50	88.00%	Completed	31/01/2021
85.	Gondal	16.50	46.00%	Completed	30/06/2021
86.	Amreli	18.20	71.00%	Completed	31/05/2021
87.	Kalol	23.50	16.00%	Completed	31/03/2021
88.	Palanpur	21.30	3.00%	95%	31/03/2021
89.	Deesa	17.00	62.00%	Completed	31/03/2021
90.	Bharuch	29.32	79.00%	90%	31/03/2021
91.	Vapi-1	14.00	40.00%	Completed	31/03/2021
92.	Anand-3	6.50	80.00%	Completed	31/03/2021
93.	Porbandar-1	12.80	80.00%	Completed	31/03/2021
94.	Porbandar-2	19.10	90.00%	Completed	31/01/2021
95.	Damnagar	2.80	0.00%	Completed	11/02/2022
96.	Lathi	3.80	0.00%	Completed	11/02/2022
97.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1706.34			

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	Work to be Awarded	31/12/2022
2.	Vadodara Tarsali	48	DPR Stage	31/12/2022
3.	Vadodara Atladara	83	DPR Stage	31/12/2022
4.	Vadodara Gajarawadi	93	DPR Stage	31/12/2022
5.	GandhinagarSargasan	50	DPR Stage	31/12/2022
6.	Bhavnagar Akwada	19.2	Work order given	31/12/2022
7.	Jamnagar Nr Rangmati River	40	DPR Stage	31/12/2022
8.	Junagadh	15.50	DPR Stage	31/12/2022
9.	Junagadh	11.00	DPR Stage	31/12/2022
10.	Junagadh	29.50	DPR Stage	31/12/2022
11.	Balasinor	6.50	Work order given	23/01/2022
12.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
13.	Bhanvad	3.00	Under Tender evaluation	31/03/2022
14.	Savli	2.50	Under Tender evaluation	31/03/2022
15.	Visavadar	3.40	Under Tender evaluation	31/03/2022
16.	Rajpipla	5.02	Under Tender evaluation	31/03/2022
17.	Khambhat-1	6.80	Work order given	04/06/2022
18.	Khambhat-2	4.50	Work order given	04/06/2022
19.	Anklav	3.60	Work order given	04/03/2022
20.	Boriavi	3.30	Under Tender evaluation	31/03/2022
21.	Lunawada	5.60	Under Tender evaluation	31/03/2022
22.	Kanjari	3.30	Under Tender evaluation	31/03/2022
23.	Okha	10.10	Under Tender evaluation	31/03/2022
24.	Beyt (near Okha)	1.20	Under Tender	31/03/2022

			evaluation	
25.	Khambhalia	5.50	Under Tender evaluation	31/03/2022
26.	Salaya, Jamnagar	6.20	Under Tender evaluation	31/03/2022
27.	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
28.	Wankaner	5.80	Tender tobe invited	31/03/2022
29.	Chhaya	13.10	Under Tender evaluation	31/03/2022
30.	Palitana	10.81	Under Tender evaluation	31/03/2022
31.	MandviSurat	3.50	Under Tender evaluation	31/03/2022
32.	Thangadh	9.00	Work order given	07/06/2022
33.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
34.	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
35.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
36.	Babra	4.00	Tender tobe invited	31/12/2022
37.	Kodinar	5.60	Tender tobe invited	31/12/2022
38.	Sutrapada	4.00	Tender tobe invited	31/12/2022
39.	Talala	3.80	Tender tobe invited	31/12/2022
40.	Chorvad	3.70	Tender tobe invited	31/12/2022
41.	Halol	11.60	Tender tobe invited	31/12/2022
42.	Thasra	2.30	Tender tobe invited	31/12/2022
43.	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
44.	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
45.	Jamraval	2.60	Tender tobe invited	31/12/2022
46.	Dhrol	3.60	Tender tobe invited	31/12/2022
47.	Kalavad	3.60	Tender Online	31/12/2022
48.	Halvad	6.70	Under Tender evaluation	31/12/2022
49.	Maliya	2.50	Tender tobe invited	31/12/2022
50.	Kutiyana	2.90	Tender tobe invited	31/12/2022
51.	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
52.	Ranavav-2	4.50	Tender tobe invited	31/12/2022
53.	Dhoraji	12.90	Tender tobe invited	31/12/2022
54.	Bhayavadar	3.10	Tender tobe invited	31/12/2022
55.	Manavadar	4.90	Under Tender evaluation	31/12/2022
56.	Pethapur	3.80	Tender online (earlier tender rejected/ disqualified)	31/03/2022
57.	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
58.	Umargam	6.48	Under Tender	31/12/2022

			evaluation	
59.	Dabhoi	8.96	Under Tender evaluation	31/12/2022
60.	Sikka	2.90	Tender Online	31/12/2022
61.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
62.	Mahesana-1	23.18	Tender Online	31/03/2022
63.	Mahesana-2	18.46	Tender Online	31/03/2022
64.	Jafrabad	5.4	DPR/DTP stage	31/12/2022
65.	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
66.	Shihor	8.9	Tender tobe invited	31/12/2022
67.	Mangrol	9.6	DPR/DTP stage	31/12/2022
68.	Vanthli	2.2	DPR/DTP stage	31/12/2022
69.	Modasa	12.0	DPR/DTP stage	31/12/2022
70.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
71.	Songadh	4.5	Tender tobe invited	31/12/2022
72.	Pardi	4.6	Tender tobe invited	31/12/2022
73.	Karamsad	6.0	Tender tobe invited	31/12/2022
74.	Limdi	7.4	DPR/DTP stage	31/12/2022
75.	Bhachau	1.0	Tender tobe invited	31/12/2022
76.	Rapar	5.2	Tender tobe invited	31/12/2022
77.	Upleta	8.9	DPR/DTP stage	31/12/2022
78.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

Note: 1. Earlier at the time of submission of details regarding Proposed STPs of the State, the Sr.no. was inadvertently written as 80 actually it was 78 (Sr.No. 27 & 28 were skipped by mistake.

2. Work order for STPs at Sr.No. 6,11,17,18,19& 32 have been given

3. STP at Sr. No. 58 i.ePethapur STP of Gandhinagar District will henceforth be reflected along with the other STP of Gandhinagar District at Sr.No.5.

Details of 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
1.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
2.	GandhinagarBhat	30	DPR Stage	31/12/2022

[After addition of the above two newly proposed STPs, total number of proposed STPs in the state are 78 + 2 = 80]

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)
December 2020	River Mahi at Sevalia	8.5	7.95	0.6	5.0	4	47

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

Annexure-III

Details w.r.t point no.XV, XVI, XVII & XVIIIgiven 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 peravailability. 2. Detail of Good IrrigationPractices: • 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 ManagementZone: • 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 CETPs
November-2020

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	556	SCN Dated 11/01/2021
		BOD	30	34	
2.	M/s. Gujarat VepariMaha Mandal SahkariUdhyogikVasahat Ltd, Ahmedabad	NH_3-N	50	89.88	--
3.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	COD	250	261	SCN Dated 11/01/2021
		BOD	30	36	
4.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	516	Legal notice issued
		BOD	30	57	
5.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	SS	100	242	--
6.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	424	--
7.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	162	Action under process
8.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar	COD	500	597	Action under process
		NH_3-N	50	116.48	
9.	M/s. CETP of Kejriwal Integrated Textile Park Ltd – KITPL	SS	<5	8	--
10.	M/s. Gujarat Eco Textile Park Pvt Ltd, Palsana, Surat	SS	<60	68	Action under process
11.	M/S of Bhatgam washing ghatsudhhikaranYojanaPvt. Ltd., Bhatgam, Rajkot	COD	100	264	NOD issued on 19/12/2020 CETP is under trial run
		BOD	30	85	
		SS	100	126	
12.	M/s Jetpur Dying & Printing	COD	250	610	Action

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
	Association, Jetpur, Rajkot	BOD	100	190	under process CETP is under trial run
		SS	100	248	
13.	M/s Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	270	Action under process CETP is under trial run

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 December – 2020.

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
- Capacity Utilization of existing STPs: 2739 MLD
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
- No. of Operational STPs: 72
- No. of Complying STPs: 24
- No. of Non-complying STPs: 21
- STPs under maintenance / modification: 1
- STPs not obtained CTE / CC&A of GPCB: 13
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 3
- Details of STPs not available: 1
- 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 includeLandfillable, 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: 21, ➢ Non complying: 13 (Please refer Annexure VI) *(as per CM dash board data for **November-2020**, 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	170
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: 36.42 MT/day
- No. of Hospitals and Health Care Facilities: 31286
- Status of Treatment Facility/ CBMWTF: Existing – 21, Proposed – 1
  Capacity – 126 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: 5 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, 32% 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. Asked to submit incremental progress details and revised

		timeline proposal along with justification for elongated time limit.

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
1	Ahmedabad Pirana 2009	60	60	Operational	Not Complying
2	Ahmedabad Old Pirana 2004	106	106	Operational	Not Complying
3	Ahmedabad Pirana 2009	180	180	Operational	Not Complying
4	Ahmedabad Vasna 2004	126	126	Operational	Complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Not Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Complying
8	Ahmedabad Vasna 2018	48	48	Operational	Complying
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Complying
10	Ahmedabad Vinzol 2020	35	30	Operational	Not Complying
11	Ahmedabad Arvind Mill	8	8	Operational	Complying
12	Ahmedabad Rasala	1	1	Operational	Complying
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
14	Ahmedabad V S Hospital	1	1	Operational	Complying
15	Ahmedabad Nikol	0.5	0.5	Operational	---
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
17	Ahmedabad Lambha	5	2	Operational	Complying
18	Surat Singanpore 2003/2014	155	147.58	Operational	Not Complying
19	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
	1999/2015				
20	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Not Complying
21	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
22	Surat Bamroli 2008/2019	100	77.9	Operational	Not Complying
23	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
24	Surat Khajod 2011	25	21.36	Operational	Not Complying
25	Surat Asarama 2011	15	19.23	Operational	Not Complying
26	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
27	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Not Complying
28	Surat Gavier 2016	53	15.37	Operational	Complying
29	Vadodara Tarsali	52	58	Operational	Not Complying
30	Vadodara Gajarawadi	66	72	Operational	Not Complying
31	Vadodara Kapurai	43	50	Operational	Not Complying
32	Vadodara Rajivnagar	78	32	Operational	Complying
33	Vadodara Sayaji garden	8.5	7	Operational	Under modification
34	Vadodara Channi	21	25	Operational	Not Complying
35	Vadodara Atladara (old)	43	51	Operational	Not Complying
36	Vadodara Atladara (new)	43	54	Operational	Complying
37	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Complying
39	Gandhinagar Basan 2011-12	2	0.3	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
40	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
41	Rajkot Raiyadhar 2017	56	15	Operational	Not Obtained CTE & CCA
42	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not Obtained CTE & CCA
43	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying with the norms.
44	Rajkot Gavaridad 2018	70	30	Operational	Complying
45	Rajkot Madhapar 2019	80	20	Operational	Not Obtained CTE & CCA
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not Obtained CTE & CCA
47	Bhavnagar Behind Excel industries	45	40	Operational	Complying
48	Jamnagar Navagam Ghed	70	65	Operational	CCA renewal rejected for not meeting with the timeline of action plan submitted with CCA application.
49	Gandhidham - Anjar	30.00	22	Operational	Complying
50	Patan	25.00	13	Operational	Not Obtained CTE & CCA
51	Nadiad	51.26	20	Operational	Not Complying
52	Siddhpur	5.62	5	Operational	Oxidation pond
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
54	Sanand	20.50	0	Non - Operational	Under Trail Run
55	Himmatnagar	17.51	6	Operational	Complying
56	Petlad	10.37	8	Operational	Not Obtained CTE & CCA
57	Dholka	13.60	8	Operational	Not Complying
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

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
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	Not Obtained CTE & CCA
66	Godhra	27.60	4	Operational	Not Complying
67	Bhuj	23.70	19	Operational	Not complying
68	Bhachau	10	4	Operational	CCA expired, not applied for renewal.
69	Anand	33	9	Operational	Not Obtained CTE & CCA
70	Anand	13.5	2.5	Operational	Not Obtained CTE & CCA
71	Surendranagar	32.3	17	Operational	Not Obtained CTE & CCA
72	Valsad-1	20.2	2	Operational	CTE issued CCA yet not applied
73	Morbi	28.8	6	Operational	Complying
Total		3485.66	2738.72		

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	75%	Completed	30/06/2021
2.	Ahmedabad Pirana	155	80%	Completed	31/03/2021
3.	Ahmedabad Maleksaban	30	5%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	Surat Bhesan	100	95%	Completed	31/03/2021
7.	SuratSinganpore	100	88%	Completed	30/06/2021
8.	SuratBhatar	115	58%	Completed	31/07/2021
9.	SuratBamroli	115	40%	Completed	30/04/2021
10.	SuratAsarma	22.5	15%	Completed	30/09/2021
11.	SuratKhajod	30	10%	Completed	30/09/2021
12.	Vadodara Kapurai	60	68%	75%	30/06/2021
13.	Vadodara Chhani	50	22%	Completed	31/12/2021
14.	Vadodara Bhayli	45	10%	Completed	28/02/2022
15.	Vadodara Sayaji garden	7.5	50%	Completed	30/06/2021
16.	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17.	Bhavnagar Axcel Industries	50	21%	Completed	31/05/2022
18.	JunagadhBilkha Road, Near CBSE School	8.2	25%	Completed	31/06/2021
19.	Rajula	5.70	0.00%	Completed	09/07/2021
20.	Bagasara	5.90	5.12%	Completed	09/07/2021
21.	Chalala	2.80	82.00%	Completed	12/04/2021
22.	Mahuva	16.30	37.61%	Completed	21/05/2021
23.	Talaja	5.80	50.00%	Completed	31/05/2021
24.	Una	11.70	81.00%	Completed	25/02/2021
25.	Bantva	2.60	80.25%	Completed	28/02/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
26.	Dehgam	7.60	92.0%	Completed	28/02/2021
27.	Mansa	5.00	15.04%	Completed	24/05/2021
28.	Tharad	4.80	Completed Under Trail Run	Completed	31/12/2020
29.	Dhanera	4.00	25.00%	Completed	15/11/2021
30.	Bhabhar	3.50	25.00%	Completed	30/07/2021
31.	Thara	3.60	20.00%	Completed	15/11/2021
32.	Kadi	12.80	35.00%	Completed	05/09/2021
33.	Unjha	11.60	69.00%	Completed	31/05/2021
34.	Visnagar-1	12.00	86.00%	Completed	04/04/2021
35.	Visnagar-2	5.30	27.00%	Completed	04/04/2021
36.	Kheralu	2.90	35.00%	Completed	10/11/2021
37.	Vijapur	4.10	20.00%	Completed	10/11/2021
38.	Radhanpur	6.00	1.00%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	10/11/2021
39.	Idar	7.40	83.00%	Completed	31/03/2021
40.	Khedbrahma	5.80	68.00%	Completed	11/03/2021
41.	Prantij	3.70	53.30%	Completed	31/03/2021
42.	Talod	3.60	0.00%	Completed	30/10/2021
43.	Vadali	3.80	0.00%	Completed	30/10/2021
44.	Jambusar	5.90	39.00%	Completed	08/10/2021
45.	Amod	3.10	10.00%	Completed	08/10/2021
46.	Bilimora	8.30	10.00%	Completed	04/03/2022
47.	Gandevi	2.60	7.00%	Completed	30/10/2021
48.	Bardoli	11.30	88.00%	Completed	08/03/2021
49.	KanakpurKansad	7.80	0.00%	Completed	After 18 months from possession of land
50.	Vyara	6.50	88.10%	Completed	31/03/2021
51.	nogapur	4.10	29.00%	Completed	30/04/2021
52.	Borsad	9.80	68.7%	Completed	30/04/2021
53.	Umreth	6.10	48.00%	Completed	30/08/2021
54.	Dahod	13.70	98.00%	Completed	Physical work completed, can be commissioned after power connection.
55.	Zalod	4.60	85.00%	Completed	31/03/2021
56.	Devgadhbariya	3.80	75.00%	Completed	31/03/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
57.	Santrampur	2.91	25.00%	Completed	30/09/2021
58.	Kalol (P)	4.77	27.00%	Completed	30/09/2021
59.	Shehra	2.80	2.00%	Completed	30/09/2021
60.	Chhotaudepur	5.00	92.00%	Completed	28/02/2021
61.	Padra	5.60	63.90%	Completed	31/07/2021
62.	Viramgam	4.50	43.00%	Completed	30/05/2021
63.	Bavla	5.80	2.00%	Completed	31/12/2021
64.	Dhandhuka	7.50	86.70%	Completed	28/02/2021
65.	Bareja	3.10	61.00%	Completed	21/02/2021
66.	Chaklasi	4.90	0.00%	Completed	After 15 months from possession of land
67.	Kapadwanj	6.20	9.00%	Completed	31/12/2021
68.	Mehmdabad	5.60	38.00%	Completed	17/11/2021
69.	Dakor	4.90	0.00%	Completed	After 15 months from possession of land
70.	Kheda	5.20	32.00%	Completed	17/11/2021
71.	Chotila-1	2.30	4.00%	Completed	30/09/2021
72.	Chotila-2	1.70	4.00%	Completed	After 15 months from possession of land
73.	Wadhwan	12.10	0.00%	Completed	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.

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
74.	Dhangadhra	11.60	95.00%	Completed	28/02/2021
75.	Barwala	2.90	6.00%	Completed	09/07/2021
76.	Jasdan	8.80	Completed Under trial run	Completed	31/12/2020
77.	Harij	3.00	4.00%	Completed	31/12/2021
78.	Chanasma	2.50	0.00%	Completed	After 15 months from possession of land
79.	Ode	2.50	2.00%	Completed	09/09/2021
80.	Karjan	5.20	6.75%	Completed	09/12/2021
81.	Vadnagar	5.94	95.00%	Completed	31/12/2020
82.	Botad	32.00	86.00%	Completed	28/02/2021
83.	Morbi-2	9.30	87.60%	Completed	31/03/2021
84.	Jetpur	23.50	88.00%	Completed	31/01/2021
85.	Gondal	16.50	46.00%	Completed	30/06/2021
86.	Amreli	18.20	71.00%	Completed	31/05/2021
87.	Kalol	23.50	16.00%	Completed	31/03/2021
88.	Palanpur	21.30	3.00%	95%	31/03/2021
89.	Deesa	17.00	62.00%	Completed	31/03/2021
90.	Bharuch	29.32	79.00%	90%	31/03/2021
91.	Vapi-1	14.00	40.00%	Completed	31/03/2021
92.	Anand-3	6.50	80.00%	Completed	31/03/2021
93.	Porbandar-1	12.80	80.00%	Completed	31/03/2021
94.	Porbandar-2	19.10	90.00%	Completed	31/01/2021
95.	Damnagar	2.80	0.00%	Completed	11/02/2022
96.	Lathi	3.80	0.00%	Completed	11/02/2022
97.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1706.34			

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	Work to be Awarded	31/12/2022
2.	Vadodara Tarsali	48	DPR Stage	31/12/2022
3.	Vadodara Atladara	83	DPR Stage	31/12/2022

4.	Vadodara Gajarawadi	93	DPR Stage	31/12/2022
5.	GandhinagarSargasan	50	DPR Stage	31/12/2022
6.	Bhavnagar Akwada	19.2	Work order given	31/12/2022
7.	Jamnagar Nr Rangmati River	40	DPR Stage	31/12/2022
8.	Junagadh	15.50	DPR Stage	31/12/2022
9.	Junagadh	11.00	DPR Stage	31/12/2022
10.	Junagadh	29.50	DPR Stage	31/12/2022
11.	Balasinor	6.50	Work order given	23/01/2022
12.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
13.	Bhanvad	3.00	Under Tender evaluation	31/03/2022
14.	Savli	2.50	Under Tender evaluation	31/03/2022
15.	Visavadar	3.40	Under Tender evaluation	31/03/2022
16.	Rajpipla	5.02	Under Tender evaluation	31/03/2022
17.	Khambhat-1	6.80	Work order given	04/06/2022
18.	Khambhat-2	4.50	Work order given	04/06/2022
19.	Anklav	3.60	Work order given	04/03/2022
20.	Boriavi	3.30	Under Tender evaluation	31/03/2022
21.	Lunawada	5.60	Under Tender evaluation	31/03/2022
22.	Kanjari	3.30	Under Tender evaluation	31/03/2022
23.	Okha	10.10	Under Tender evaluation	31/03/2022
24.	Beyt (near Okha)	1.20	Under Tender evaluation	31/03/2022
25.	Khambhalia	5.50	Under Tender evaluation	31/03/2022
26.	Salaya, Jamnagar	6.20	Under Tender evaluation	31/03/2022
27.	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
28.	Wankaner	5.80	Tender tobe invited	31/03/2022
29.	Chhaya	13.10	Under Tender evaluation	31/03/2022
30.	Palitana	10.81	Under Tender evaluation	31/03/2022

31.	MandviSurat	3.50	Under Tender evaluation	31/03/2022
32.	Thangadh	9.00	Work order given	07/06/2022
33.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
34.	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
35.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
36.	Babra	4.00	Tender tobe invited	31/12/2022
37.	Kodinar	5.60	Tender tobe invited	31/12/2022
38.	Sutrapada	4.00	Tender tobe invited	31/12/2022
39.	Talala	3.80	Tender tobe invited	31/12/2022
40.	Chorvad	3.70	Tender tobe invited	31/12/2022
41.	Halol	11.60	Tender tobe invited	31/12/2022
42.	Thasra	2.30	Tender tobe invited	31/12/2022
43.	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
44.	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
45.	Jamraval	2.60	Tender tobe invited	31/12/2022
46.	Dhrol	3.60	Tender tobe invited	31/12/2022
47.	Kalavad	3.60	Tender Online	31/12/2022
48.	Halvad	6.70	Under Tender evaluation	31/12/2022
49.	Maliya	2.50	Tender tobe invited	31/12/2022
50.	Kutiyana	2.90	Tender tobe invited	31/12/2022
51.	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
52.	Ranavav-2	4.50	Tender tobe invited	31/12/2022
53.	Dhoraji	12.90	Tender tobe invited	31/12/2022
54.	Bhayavadar	3.10	Tender tobe invited	31/12/2022
55.	Manavadar	4.90	Under Tender evaluation	31/12/2022
56.	Pethapur	3.80	Tender online (earlier tender rejected/ disqualified)	31/03/2022
57.	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
58.	Umargam	6.48	Under Tender evaluation	31/12/2022
59.	Dabhoi	8.96	Under Tender evaluation	31/12/2022
60.	Sikka	2.90	Tender Online	31/12/2022
61.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
62.	Mahesana-1	23.18	Tender Online	31/03/2022
63.	Mahesana-2	18.46	Tender Online	31/03/2022
64.	Jafrabad	5.4	DPR/DTP stage	31/12/2022
65.	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
66.	Shihor	8.9	Tender tobe invited	31/12/2022
67.	Mangrol	9.6	DPR/DTP stage	31/12/2022
68.	Vanthli	2.2	DPR/DTP stage	31/12/2022

69.	Modasa	12.0	DPR/DTP stage	31/12/2022
70.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
71.	Songadh	4.5	Tender tobe invited	31/12/2022
72.	Pardi	4.6	Tender tobe invited	31/12/2022
73.	Karamsad	6.0	Tender tobe invited	31/12/2022
74.	Limdi	7.4	DPR/DTP stage	31/12/2022
75.	Bhachau	1.0	Tender tobe invited	31/12/2022
76.	Rapar	5.2	Tender tobe invited	31/12/2022
77.	Upleta	8.9	DPR/DTP stage	31/12/2022
78.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

Note: 1. Earlier at the time of submission of details regarding Proposed STPs of the State, the Sr.no. was inadvertently written as 80 actually it was 78 (Sr.No. 27 & 28 were skipped by mistake.

2. Work order for STPs at Sr.No. 6,11,17,18,19& 32 have been given

3. STP at Sr. No. 58 i.ePethapur STP of Gandhinagar District will henceforth be reflected along with the other STP of Gandhinagar District at Sr.No.5.

Details of 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
1.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
2.	GandhinagarBhat	30	DPR Stage	31/12/2022

[After addition of the above two newly proposed STPs, total number of proposed STPs in the state are 78 + 2 = 80]

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 December-2020:

Month	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
December 2020	River Shedhi at KhedaMatar Bridge	4.2	7.83	2.4	18	120	350

Annexure-II(B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River for October-2020:

Month	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)
October 2020 (Half yearly)	BorewellNadiad GIDC Water Works	Not Applicable	7.51	0.53	14

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

NadiadSTPResults (December-2020)

Sample Date	sampling point	BOD (mg/l)	COD (mg/l)	FC (MPN/100 ml)	pH	SS (mg/l)	TC (MPN/100 ml)	TDS (mg/l)	TMP	NH3-N

04/12/2020	Final Outlet of the STP	17	57	>1600	7.64	84	>1600	1432	28	6.78
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	Shedi	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 IrrigationPractices: NA 3. Detail on Flood Plain ManagementZone: 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 CETPs
November-2020

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	556	SCN Dated 11/01/2021
		BOD	30	34	
2.	M/s. Gujarat VepariMaha Mandal SahkariUdhyogikVasahat Ltd, Ahmedabad	NH_3-N	50	89.88	--
3.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	COD	250	261	SCN Dated 11/01/2021
		BOD	30	36	
4.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	516	Legal notice issued
		BOD	30	57	
5.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	SS	100	242	--
6.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	424	--
7.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	162	Action under process
8.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar	COD	500	597	Action under process
		NH_3-N	50	116.48	
9.	M/s. CETP of Kejriwal Integrated Textile Park Ltd – KITPL	SS	<5	8	--
10.	M/s. Gujarat Eco Textile Park Pvt Ltd, Palsana, Surat	SS	<60	68	Action under process
11.	M/S of Bhatgam washing ghatsudhhikaranYojanaPvt. Ltd., Bhatgam, Rajkot	COD	100	264	NOD issued on 19/12/2020
		BOD	30	85	

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
		SS	100	126	CETP is under trial run
12.	M/s Jetpur Dying & Printing Association, Jetpur, Rajkot	COD	250	610	Action under process CETP is under trial run
		BOD	100	190	
		SS	100	248	
13.	M/s Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	270	Action under process CETP is under trial run

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 December – 2020.

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
- Capacity Utilization of existing STPs: 2739 MLD
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
- No. of Operational STPs: 72
- No. of Complying STPs: 24
- No. of Non-complying STPs: 21
- STPs under maintenance / modification: 1
- STPs not obtained CTE / CC&A of GPCB: 13
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 3
- Details of STPs not available: 1
- 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	Details are being prepared.

MLD:	
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste includeLandfillable, 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: 21, ➢ Non complying: 13 (Please refer Annexure VII) *(as per CM dash board data for **November-2020**, 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	170
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing	• There are total No. 755 of Plants for Vermi /

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	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: 36.42 MT/day
- No. of Hospitals and Health Care Facilities: 31286
- Status of Treatment Facility/ CBMWTF: Existing – 21, Proposed – 1

  Capacity – 126 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: 5 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 wasteinto 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.	Signapore (100MLD) – Expansion	Work in Progress.88% completed. (Revised timeline 30/06/2021)
2.	Gavier (53 MLD) – Expansion	Existing STP. Enhancement of capacity utilization is under process.
3.	Bhatar (115MLD) – Expansion	58% work completed. (Revised timeline 31/07/2021)
4.	Bhesan (100 MLD) – Expansion	95% completed. (Revised timeline 31/03/2021)
5.	STPs under Tapi SuddhikaranYojana (Total 51 STPs by SUDA and GWSSB)	Land issues in 18 STPs have been sorted out from the total 54 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
1	Ahmedabad Pirana 2009	60	60	Operational	Not Complying
2	Ahmedabad Old Pirana 2004	106	106	Operational	Not Complying
3	Ahmedabad Pirana 2009	180	180	Operational	Not Complying
4	Ahmedabad Vasna 2004	126	126	Operational	Complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Not Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Complying
8	Ahmedabad Vasna 2018	48	48	Operational	Complying
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Complying
10	Ahmedabad Vinzol 2020	35	30	Operational	Not Complying
11	Ahmedabad Arvind Mill	8	8	Operational	Complying
12	Ahmedabad Rasala	1	1	Operational	Complying
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
14	Ahmedabad V S Hospital	1	1	Operational	Complying
15	Ahmedabad Nikol	0.5	0.5	Operational	---
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
17	Ahmedabad Lambha	5	2	Operational	Complying
18	Surat Singanpore 2003/2014	155	147.58	Operational	Not Complying
19	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
	1999/2015				
20	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Not Complying
21	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
22	Surat Bamroli 2008/2019	100	77.9	Operational	Not Complying
23	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
24	Surat Khajod 2011	25	21.36	Operational	Not Complying
25	Surat Asarama 2011	15	19.23	Operational	Not Complying
26	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
27	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Not Complying
28	Surat Gavier 2016	53	15.37	Operational	Complying
29	Vadodara Tarsali	52	58	Operational	Not Complying
30	Vadodara Gajarawadi	66	72	Operational	Not Complying
31	Vadodara Kapurai	43	50	Operational	Not Complying
32	Vadodara Rajivnagar	78	32	Operational	Complying
33	Vadodara Sayaji garden	8.5	7	Operational	Under modification
34	Vadodara Channi	21	25	Operational	Not Complying
35	Vadodara Atladara (old)	43	51	Operational	Not Complying
36	Vadodara Atladara (new)	43	54	Operational	Complying
37	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Complying
39	Gandhinagar Basan 2011-12	2	0.3	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
40	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
41	Rajkot Raiyadhar 2017	56	15	Operational	Not Obtained CTE & CCA
42	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not Obtained CTE & CCA
43	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying with the norms.
44	Rajkot Gavaridad 2018	70	30	Operational	Complying
45	Rajkot Madhapar 2019	80	20	Operational	Not Obtained CTE & CCA
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not Obtained CTE & CCA
47	Bhavnagar Behind Excel industries	45	40	Operational	Complying
48	Jamnagar Navagam Ghed	70	65	Operational	CCA renewal rejected for not meeting with the timeline of action plan submitted with CCA application.
49	Gandhidham - Anjar	30.00	22	Operational	Complying
50	Patan	25.00	13	Operational	Not Obtained CTE & CCA
51	Nadiad	51.26	20	Operational	Not Complying
52	Siddhpur	5.62	5	Operational	Oxidation pond
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
54	Sanand	20.50	0	Non - Operational	Under Trail Run
55	Himmatnagar	17.51	6	Operational	Complying
56	Petlad	10.37	8	Operational	Not Obtained CTE & CCA
57	Dholka	13.60	8	Operational	Not Complying
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

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
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	Not Obtained CTE & CCA
66	Godhra	27.60	4	Operational	Not Complying
67	Bhuj	23.70	19	Operational	Not complying
68	Bhachau	10	4	Operational	CCA expired, not applied for renewal.
69	Anand	33	9	Operational	Not Obtained CTE & CCA
70	Anand	13.5	2.5	Operational	Not Obtained CTE & CCA
71	Surendranagar	32.3	17	Operational	Not Obtained CTE & CCA
72	Valsad-1	20.2	2	Operational	CTE issued CCA yet not applied
73	Morbi	28.8	6	Operational	Complying
Total		3485.66	2738.72		

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	75%	Completed	30/06/2021
2.	Ahmedabad Pirana	155	80%	Completed	31/03/2021
3.	Ahmedabad Maleksaban	30	5%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	Surat Bhesan	100	95%	Completed	31/03/2021
7.	SuratSinganpore	100	88%	Completed	30/06/2021
8.	SuratBhatar	115	58%	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
9.	SuratBamroli	115	40%	Completed	30/04/2021
10.	SuratAsarma	22.5	15%	Completed	30/09/2021
11.	SuratKhajod	30	10%	Completed	30/09/2021
12.	Vadodara Kapurai	60	68%	75%	30/06/2021
13.	Vadodara Chhani	50	22%	Completed	31/12/2021
14.	Vadodara Bhayli	45	10%	Completed	28/02/2022
15.	Vadodara Sayaji garden	7.5	50%	Completed	30/06/2021
16.	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17.	Bhavnagar Axcel Industries	50	21%	Completed	31/05/2022
18.	JunagadhBilkha Road, Near CBSE School	8.2	25%	Completed	31/06/2021
19.	Rajula	5.70	0.00%	Completed	09/07/2021
20.	Bagasara	5.90	5.12%	Completed	09/07/2021
21.	Chalala	2.80	82.00%	Completed	12/04/2021
22.	Mahuva	16.30	37.61%	Completed	21/05/2021
23.	Talaja	5.80	50.00%	Completed	31/05/2021
24.	Una	11.70	81.00%	Completed	25/02/2021
25.	Bantva	2.60	80.25%	Completed	28/02/2021
26.	Dehgam	7.60	92.0%	Completed	28/02/2021
27.	Mansa	5.00	15.04%	Completed	24/05/2021
28.	Tharad	4.80	Completed Under Trail Run	Completed	31/12/2020
29.	Dhanera	4.00	25.00%	Completed	15/11/2021
30.	Bhabhar	3.50	25.00%	Completed	30/07/2021
31.	Thara	3.60	20.00%	Completed	15/11/2021
32.	Kadi	12.80	35.00%	Completed	05/09/2021
33.	Unjha	11.60	69.00%	Completed	31/05/2021
34.	Visnagar-1	12.00	86.00%	Completed	04/04/2021
35.	Visnagar-2	5.30	27.00%	Completed	04/04/2021
36.	Kheralu	2.90	35.00%	Completed	10/11/2021
37.	Vijapur	4.10	20.00%	Completed	10/11/2021
38.	Radhanpur	6.00	1.00%	98% (All civil work completed	10/11/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
				except 150 m rising main balanced due to local opposition)	
39.	Idar	7.40	83.00%	Completed	31/03/2021
40.	Khedbrahma	5.80	68.00%	Completed	11/03/2021
41.	Prantij	3.70	53.30%	Completed	31/03/2021
42.	Talod	3.60	0.00%	Completed	30/10/2021
43.	Vadali	3.80	0.00%	Completed	30/10/2021
44.	Jambusar	5.90	39.00%	Completed	08/10/2021
45.	Amod	3.10	10.00%	Completed	08/10/2021
46.	Bilimora	8.30	10.00%	Completed	04/03/2022
47.	Gandevi	2.60	7.00%	Completed	30/10/2021
48.	Bardoli	11.30	88.00%	Completed	08/03/2021
49.	KanakpurKansad	7.80	0.00%	Completed	After 18 months from possession of land
50.	Vyara	6.50	88.10%	Completed	31/03/2021
51.	nogapur	4.10	29.00%	Completed	30/04/2021
52.	Borsad	9.80	68.7%	Completed	30/04/2021
53.	Umreth	6.10	48.00%	Completed	30/08/2021
54.	Dahod	13.70	98.00%	Completed	Physical work completed, can be commissioned after power connection.
55.	Zalod	4.60	85.00%	Completed	31/03/2021
56.	Devgadhbariya	3.80	75.00%	Completed	31/03/2021
57.	Santrampur	2.91	25.00%	Completed	30/09/2021
58.	Kalol (P)	4.77	27.00%	Completed	30/09/2021
59.	Shehra	2.80	2.00%	Completed	30/09/2021
60.	Chhotaudepur	5.00	92.00%	Completed	28/02/2021
61.	Padra	5.60	63.90%	Completed	31/07/2021
62.	Viramgam	4.50	43.00%	Completed	30/05/2021
63.	Bavla	5.80	2.00%	Completed	31/12/2021
64.	Dhandhuka	7.50	86.70%	Completed	28/02/2021
65.	Bareja	3.10	61.00%	Completed	21/02/2021
66.	Chaklasi	4.90	0.00%	Completed	After 15 months from possession of land
67.	Kapadwanj	6.20	9.00%	Completed	31/12/2021
68.	Mehmdabad	5.60	38.00%	Completed	17/11/2021
69.	Dakor	4.90	0.00%	Completed	After 15 months from possession of land

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
70.	Kheda	5.20	32.00%	Completed	17/11/2021
71.	Chotila-1	2.30	4.00%	Completed	30/09/2021
72.	Chotila-2	1.70	4.00%	Completed	After 15 months from possession of land
73.	Wadhwan	12.10	0.00%	Completed	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.
74.	Dhangadhra	11.60	95.00%	Completed	28/02/2021
75.	Barwala	2.90	6.00%	Completed	09/07/2021
76.	Jasdan	8.80	Completed Under trial run	Completed	31/12/2020
77.	Harij	3.00	4.00%	Completed	31/12/2021
78.	Chanasma	2.50	0.00%	Completed	After 15 months from possession of land
79.	Ode	2.50	2.00%	Completed	09/09/2021
80.	Karjan	5.20	6.75%	Completed	09/12/2021
81.	Vadnagar	5.94	95.00%	Completed	31/12/2020
82.	Botad	32.00	86.00%	Completed	28/02/2021
83.	Morbi-2	9.30	87.60%	Completed	31/03/2021
84.	Jetpur	23.50	88.00%	Completed	31/01/2021
85.	Gondal	16.50	46.00%	Completed	30/06/2021
86.	Amreli	18.20	71.00%	Completed	31/05/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
87.	Kalol	23.50	16.00%	Completed	31/03/2021
88.	Palanpur	21.30	3.00%	95%	31/03/2021
89.	Deesa	17.00	62.00%	Completed	31/03/2021
90.	Bharuch	29.32	79.00%	90%	31/03/2021
91.	Vapi-1	14.00	40.00%	Completed	31/03/2021
92.	Anand-3	6.50	80.00%	Completed	31/03/2021
93.	Porbandar-1	12.80	80.00%	Completed	31/03/2021
94.	Porbandar-2	19.10	90.00%	Completed	31/01/2021
95.	Damnagar	2.80	0.00%	Completed	11/02/2022
96.	Lathi	3.80	0.00%	Completed	11/02/2022
97.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1706.34			

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	Work to be Awarded	31/12/2022
2.	Vadodara Tarsali	48	DPR Stage	31/12/2022
3.	Vadodara Atladara	83	DPR Stage	31/12/2022
4.	Vadodara Gajarawadi	93	DPR Stage	31/12/2022
5.	GandhinagarSargasan	50	DPR Stage	31/12/2022
6.	Bhavnagar Akwada	19.2	Work order given	31/12/2022
7.	Jamnagar Nr Rangmati River	40	DPR Stage	31/12/2022
8.	Junagadh	15.50	DPR Stage	31/12/2022
9.	Junagadh	11.00	DPR Stage	31/12/2022
10.	Junagadh	29.50	DPR Stage	31/12/2022
11.	Balasinor	6.50	Work order given	23/01/2022
12.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
13.	Bhanvad	3.00	Under Tender evaluation	31/03/2022

14.	Savli	2.50	Under Tender evaluation	31/03/2022
15.	Visavadar	3.40	Under Tender evaluation	31/03/2022
16.	Rajpipla	5.02	Under Tender evaluation	31/03/2022
17.	Khambhat-1	6.80	Work order given	04/06/2022
18.	Khambhat-2	4.50	Work order given	04/06/2022
19.	Anklav	3.60	Work order given	04/03/2022
20.	Boriavi	3.30	Under Tender evaluation	31/03/2022
21.	Lunawada	5.60	Under Tender evaluation	31/03/2022
22.	Kanjari	3.30	Under Tender evaluation	31/03/2022
23.	Okha	10.10	Under Tender evaluation	31/03/2022
24.	Beyt (near Okha)	1.20	Under Tender evaluation	31/03/2022
25.	Khambhalia	5.50	Under Tender evaluation	31/03/2022
26.	Salaya, Jamnagar	6.20	Under Tender evaluation	31/03/2022
27.	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
28.	Wankaner	5.80	Tender tobe invited	31/03/2022
29.	Chhaya	13.10	Under Tender evaluation	31/03/2022
30.	Palitana	10.81	Under Tender evaluation	31/03/2022
31.	MandviSurat	3.50	Under Tender evaluation	31/03/2022
32.	Thangadh	9.00	Work order given	07/06/2022
33.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
34.	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
35.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
36.	Babra	4.00	Tender tobe invited	31/12/2022
37.	Kodinar	5.60	Tender tobe invited	31/12/2022
38.	Sutrapada	4.00	Tender tobe invited	31/12/2022
39.	Talala	3.80	Tender tobe invited	31/12/2022
40.	Chorvad	3.70	Tender tobe invited	31/12/2022
41.	Halol	11.60	Tender tobe invited	31/12/2022
42.	Thasra	2.30	Tender tobe invited	31/12/2022
43.	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
44.	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022

45.	Jamraval	2.60	Tender tobe invited	31/12/2022
46.	Dhrol	3.60	Tender tobe invited	31/12/2022
47.	Kalavad	3.60	Tender Online	31/12/2022
48.	Halvad	6.70	Under Tender evaluation	31/12/2022
49.	Maliya	2.50	Tender tobe invited	31/12/2022
50.	Kutiyana	2.90	Tender tobe invited	31/12/2022
51.	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
52.	Ranavav-2	4.50	Tender tobe invited	31/12/2022
53.	Dhoraji	12.90	Tender tobe invited	31/12/2022
54.	Bhayavadar	3.10	Tender tobe invited	31/12/2022
55.	Manavadar	4.90	Under Tender evaluation	31/12/2022
56.	Pethapur	3.80	Tender online (earlier tender rejected/ disqualified)	31/03/2022
57.	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
58.	Umargam	6.48	Under Tender evaluation	31/12/2022
59.	Dabhoi	8.96	Under Tender evaluation	31/12/2022
60.	Sikka	2.90	Tender Online	31/12/2022
61.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
62.	Mahesana-1	23.18	Tender Online	31/03/2022
63.	Mahesana-2	18.46	Tender Online	31/03/2022
64.	Jafrabad	5.4	DPR/DTP stage	31/12/2022
65.	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
66.	Shihor	8.9	Tender tobe invited	31/12/2022
67.	Mangrol	9.6	DPR/DTP stage	31/12/2022
68.	Vanthli	2.2	DPR/DTP stage	31/12/2022
69.	Modasa	12.0	DPR/DTP stage	31/12/2022
70.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
71.	Songadh	4.5	Tender tobe invited	31/12/2022
72.	Pardi	4.6	Tender tobe invited	31/12/2022
73.	Karamsad	6.0	Tender tobe invited	31/12/2022
74.	Limdi	7.4	DPR/DTP stage	31/12/2022
75.	Bhachau	1.0	Tender tobe invited	31/12/2022
76.	Rapar	5.2	Tender tobe invited	31/12/2022
77.	Upleta	8.9	DPR/DTP stage	31/12/2022
78.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

Note: 1. Earlier at the time of submission of details regarding Proposed STPs of the State, the Sr.no. was inadvertently written as 80 actually it was 78 (Sr.No. 27 & 28 were skipped by mistake.

2. Work order for STPs at Sr.No. 6,11,17,18,19& 32 have been given

3. **STP at Sr. No. 58 i.ePethapur STP of Gandhinagar District will henceforth be reflected along with the other STP of Gandhinagar District at Sr.No.5.**

Details of 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
1.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
2.	GandhinagarBhat	30	DPR Stage	31/12/2022

[After addition of the above two newly proposed STPs, total number of proposed STPs in the state are 78 + 2 = 80]

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 December-2020:

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
01-12-2020	Kathor, N.H. 8	7.2	7.76	0.5	6	10	48
01-12-2020	Varachha Bridge	7.0	7.7	0.6	9	14	63
02-12-2020	ONGC Bridge	5.8	7.37	1.4	18	23	150
01-12-2020	Rander	7.1	7.8	0.42	4	11	46
02-12-2020	Swamivivekanand Bridge	6.8	6.95	1.1	12	17	63
02-12-2020	Sardar Bridge	6.9	7.05	1.2	14	23	70
03-11-2020	Umara Temple	6.3	7.28	0.6	-	40	350

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	October-2020	0.32	3.1	1.8	0.44	43.78	0.28	8.09	6	88	300	11	840	1.68	29
BORE WELL OF SHREE SAI ASHA PETROL PUMP(IOC),BHATHA	October-2020	0.62	2.8	1.8	2.5	141.1	0.84	7.77	4	210	960	15	2676	3.08	31

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**	01/12/2020	7.47	26	20	540
2	**Sewage Treatment Plant-Gavier, Surat**	02/12/2020	7.52	24	14	920

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 leanperiod. • 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 duringtheabove period, however during December to Mayaverage 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 IrrigationPractices: • General Government practice of irrigation is maintained in command area of Ukai - Kakrapar Project. • Farmers are made aware to use wateroptimally. • 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 villagesae warned through early waning arrangement in consultation with RevenueDept. • 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.XIXgiven 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, AranyaBhavan)	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 TapiSuddhikaranYojana (Source: GUDM)

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)	Singanpore STP Upgradation & expansion (100 mld) SMC	Work in Progress	85%	Apr-21	Jun-2021	Delay due to Covid-19.
	Bhatar STP Augmentation (115 mld) SMC	Work in Progress	57%	Apr-21	July-2021	Delay due to Covid-19.
	Bhesan STP Augmentation (100 mld) SMC	Work in Progress	93%	Dec-20	Mar-2021	Delay due to Covid-19.
	Kamrej- Valak creek (43.24 mld) SUDA	Work in Progress	2.5%	Feb-22	March-2022	Land Possession received, Delay due to Covid-19.
Tapi (Priority IV)	Kamrej- Varachha Creek (51.72 mld) SUDA	Work in Progress	0%	Feb-22	March-2022	Land Possession received, Delay due to Covid-19.

	Bharthana SPS 1 at TPS-83 (22.7 mld) SUDA	**Tender invited.**	**0%**	**Feb-22**	**September-2022**	**Delay in Land Possession.**
	Kamrej- Kamrej 1 (18.5 mld) SUDA	**Tender invited.**	**0%**	**Feb-22**	**September-2022**	**Delay in Land Possession.**
	Kamrej- Dungra (0.67 mld) SUDA	**Tender invited. subject to land possession**	**0%**	**Feb-22**	**September-2022**	**Hon. Collector Shri submitted proposal for land to State Government on dated: 19/09/2020 Possession is yet to be received. Delay due to Land Possession .**
	Kamrej- Kholeshwar (0.33 mld) SUDA	**Tender invited. subject to land possession**	**0%**	**Feb-22**	**September-2022**	**Hon. Collector Shri submitted proposal for land to State Government on dated: 19/09/2020 Possession is yet to be received. Delay due to Land Possession .**
	Kamrej- Vav- 1 (16.09 mld) SUDA	**Tender invited. subject to land possession**	**0%**	**Feb-22**	**September-2022**	**Hon. Collector shri visited the site. Instruction given to Mamlatdar on dated 27.08.2020 to submit proposal to provide the remaining land other than Smashangruh.**
	Kamrej- Laskana (5.17 mld) SUDA	**Tender invited. subject to land possession**	**0%**	**Feb-22**	**September-2022**	**Hon. Collector Shri submitted proposal for land to State Government on dated: 19/09/2020 Possession is yet to be received. Delay due to Land Possession .**

	Kamrej – Kolibharthana (4.3 mld) SUDA	**Tender invited. subject to land possession**	**0%**	**Feb-22**	**September-2022**	**Hon. Collector Shri submitted proposal for land to State Government on dated: 19/09/2020 Possession is yet to be received. Delay due to Land Possession .**
	Kamrej- Pasodara (4.15 mld) SUDA	**Tender invited. subject to land possession**	**0%**	**Feb-22**	**September-2022**	**Hon. Collector Shri submitted proposal for land to State Government on dated: 19/09/2020 Possession is yet to be received. Delay due to Land Possession .**
	Kamrej- Karjan (1 mld) SUDA	**Tender invited. subject to land possession**	**0%**	**Feb-22**	**September-2022**	**Hon. Collector Shri submitted proposal for land to State Government on dated: 19/09/2020 Possession is yet to be received. Delay due to Land Possession .**
	Kamrej- Dhoran Creek (1.18 mld) SUDA	**Tender invited. subject to land possession**	**0%**	**Feb-22**	**September-2022**	**Feasible Government land not available, So SUDA put up proposal to Irrigation Department for creek paikee land.**
	Kamrej- Dhoran Pardi-2 (12.5 mld) SUDA	**Tender invited. subject to land possession**	**0%**	**Feb-22**	**September-2022**	**Hon. Collector Shri submitted proposal for land to State Government on dated: 19/09/2020 Possession is yet to be received. Delay due to Land Possession .**
	Kamrej- Kathor (16 mld) SUDA	**Tender invited. subject to land possession**	**0%**	**Feb-22**	**September-2022**	**Land possession is yet to be received from DDO shri. Delay due to Land Possession.**

STP name	STP Capacity (in MLD)	LOI date	Name of Agency	Tender Cost (Rs. in crore)	Progress	Remarks (land availability / status of land/other issue)
Cluster-1						
Kamrej- Timba	**0.75**	**16/ 09/ 2020**	**M/s. L.C Infra Project Pvt.Ltd Ahmedabad (JV) Krishna Constructions Company**	**57.77**	**Work in Progress (5%)**	**Land is available.**
Kamrej- Sevni	**5.18**					**Land allotment proposal is with Collector, Surat**
Kamrej- JatBharthana	**0.17**					
Kamrej- Maachi	**0.16**					**Land is available**
Kamrej- Dhatva	**0.34**					**Present Land allotment proposal was filed by Collector. New land proposal to be done.**
Cluster-2						
Kamrej- Ghala	**1.39**	**16/ 09/2020**	**M/s. L.C Infra Project Pvt.Ltd**	**34.66**	**Working Survey under Progress**	**Land allotment proposal is with Collector, Surat**

Mandvi- Bodhan Village	**1.3**		**Ahmedabad (JV) Krishna Constructions Company**			**Land is available**
Mandvi- Khanjroli	**0.29**					**Land allotment proposal is with Revenue Department.**
Cluster-3						
Bardoli- Vaghecha	**0.28**	**16/ 09/ 2020.**	**M/s. N.C.C Infraspace Pvt. Ltd (JV) OASIS ,EPC Solution Ltd Ahmedabad**	**35.48**	**Work in Progress (5%)**	**Present Land allotment proposal was filed by Collector. New land proposal to be done.**
Bardoli- Bhamaiya	**0.17**					**Land is available**
Bardoli- Mori	**0.15**					**Present Land allotment proposal was filed by Collector. New land proposal to be done.**
Mandvi- Tarsada	**0.82**					**Land allotment proposal is with Collector, Surat**
Cluster-4						

Mandvi- Punagam + Unn Kosadi	**0.65**	**16/ 09/ 2020.**	**M/s. N.C.C Infraspace Pvt. Ltd (JV) OASIS ,EPC Solution Ltd Ahmedabad**	**19.76**	**Working Survey under Progress**	**Common land for both STPs. Land allotment proposal is with Revenue Department.**
Mandvi- Gamtalav Bujrang + Uskhed Khurd	**0.45**					**Common land for both STPs. Land allotment proposal is with Revenue Department.**

STP name	**STP Capacity (in MLD)**	**Present Status**	**Expected Date of Completion**	**Remarks (land availability / status of land/other issue)**
Creek Regions				
Cluster-5				
Mandvi-Koliwad	**0.23**	**Technical Sanction given in 165th TSC Committee of GWSSB. Tender is online. Last date of bid submission is dt. 15/01/2021**	**31-12-2022**	**Land allotment proposal is with Collector, Surat**
Mandvi- Ratania	**0.18**			**Land allotment proposal is with Revenue Department.**
Cluster-6				

Mandvi-Vadod	**0.14**	**Technical Sanction given in 165th TSC Committee of GWSSB. Tender to be invited**	**31-12-2022**	**Land allotment proposal is with Collector, Surat**
Mandvi- Munjalav	**0.44**			
Mandvi- dharmapur	**0.52**			
Mandvi-Nogama	**0.32**			
Mandvi-Kolakui	**0.15**			
Mandvi-ushker & togapur	**0.15**			
Cluster-7				
Mandvi-Kharoli	**0.54**	**Technical Sanction given in 165th TSC Committee of GWSSB. Tender to be invited**	**31-12-2022**	**Land allotment proposal is with Collector, Surat**
Mandvi-Gavachhi	**0.45**			
Mandvi-Kudashi	**0.08**			
Mandvi-Naren	**0.46**			
Mandvi-Pipariya	**0.25**			
Mandvi-Kevadia	**0.21**			
Creek Regions				
Cluster-8				
Mandvi-godavadi	**0.82**	**Technical Sanction given in 165th TSC Committee of GWSSB. Tender to be invited**	**31-12-2022**	**Land allotment proposal is with Collector, Surat**
Mandvi-Kamlapor	**0.33**			**Land is available**
Mandvi-Nanadpor	**0.34**			**Land allotment proposal is with**

				Collector, Surat
Mandvi-Umarsadi	**0.4**			**Land allotment proposal is with Collector, Surat**
Cluster-9				
Bardoli-Kadod-haripura	**2.64**	**Technical Sanction given in 165th TSC Committee of GWSSB. Tender is online. Last date of bid submission is dt. 15/01/2021**	**31-12-2022**	**Land allotment proposal is with Collector, Surat for STP and 1 no. of SPS. Tharav yet to be received for 2 Nos. of SPS from panchayat**
Bardoli-Jakhala	**0.18**			**Land allotment proposal is with Collector, Surat**
Bardoli-Miyawadi	**0.08**			**Panchayat Tharav to be received.**
Bardoli-Masad	**0.46**			
Mandvi STP	**3.5**	**Tender under Technical Evaluation (2nd attempt)**	**31-08-2022**	**Land is available**
Total	**24.97**			

Annexure-VII

Non-Complying CETPs
November-2020

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	556	SCN Dated 11/01/2021
		BOD	30	34	
2.	M/s. Gujarat VepariMaha Mandal SahkariUdhyogikVasahat Ltd, Ahmedabad	NH_3-N	50	89.88	--
3.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	COD	250	261	SCN Dated 11/01/2021
		BOD	30	36	
4.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	516	Legal notice issued
		BOD	30	57	
5.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	SS	100	242	--
6.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	424	--
7.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	162	Action under process
8.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar	COD	500	597	Action under process
		NH_3-N	50	116.48	
9.	M/s. CETP of Kejriwal Integrated Textile Park Ltd – KITPL	SS	<5	8	--
10	M/s. Gujarat Eco Textile Park Pvt Ltd, Palsana, Surat	SS	<60	68	Action under process
11	M/S of Bhatgam washing ghatsudhhikaranYojanaPvt. Ltd., Bhatgam, Rajkot	COD	100	264	NOD issued on 19/12/2020 CETP is under trial run
		BOD	30	85	
		SS	100	126	
12	M/s Jetpur Dying & Printing	COD	250	610	Action

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
	Association, Jetpur, Rajkot	BOD	100	190	under process CETP is under trial run
		SS	100	248	
13	M/s Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	270	Action under process CETP is under trial run

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 December – 2020.

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
- Capacity Utilization of existing STPs: 2739 MLD
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
- No. of Operational STPs:72
- No. of Complying STPs: 24
- No. of Non-complying STPs: 21
- STPs under maintenance / modification: 1
- STPs not obtained CTE / CC&A of GPCB: 13
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 3
- Details of STPs not available: 1
- 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	Details are being prepared.

MLD:	
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste includeLandfillable, 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: 21, ➢ Non complying: 13 (Please refer Annexure VI) *(as per CM dash board data for **November-2020**, 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	170
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of	• There are total No. 755 of Plants for Vermi

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	/ 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: 36.42 MT/day
- No. of Hospitals and Health Care Facilities: 31286
- Status of Treatment Facility/ CBMWTF: Existing – 21, Proposed – 1

  Capacity – 126 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: 5 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 &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. hasestablished 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.	**Details of proposed STPs Proposed, if any**	**Status**
1.	13.70 MLD of STP(DahodNagarpalika):	98% work completed. Physical work completed, can be commissioned after power connection.
2.	4.60 MLD of STP(ZalodNagarpalika)	85 % wok completed. (Revised timeline 31/03/2021)

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
1	Ahmedabad Pirana 2009	60	60	Operational	Not Complying
2	Ahmedabad Old Pirana 2004	106	106	Operational	Not Complying
3	Ahmedabad Pirana 2009	180	180	Operational	Not Complying
4	Ahmedabad Vasna 2004	126	126	Operational	Complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Not Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Complying
8	Ahmedabad Vasna 2018	48	48	Operational	Complying
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Complying
10	Ahmedabad Vinzol 2020	35	30	Operational	Not Complying
11	Ahmedabad Arvind Mill	8	8	Operational	Complying
12	Ahmedabad Rasala	1	1	Operational	Complying
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
14	Ahmedabad V S Hospital	1	1	Operational	Complying
15	Ahmedabad Nikol	0.5	0.5	Operational	---
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
17	Ahmedabad Lambha	5	2	Operational	Complying
18	Surat Singanpore 2003/2014	155	147.58	Operational	Not Complying
19	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
	1999/2015				
20	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Not Complying
21	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
22	Surat Bamroli 2008/2019	100	77.9	Operational	Not Complying
23	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
24	Surat Khajod 2011	25	21.36	Operational	Not Complying
25	Surat Asarama 2011	15	19.23	Operational	Not Complying
26	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
27	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Not Complying
28	Surat Gavier 2016	53	15.37	Operational	Complying
29	Vadodara Tarsali	52	58	Operational	Not Complying
30	Vadodara Gajarawadi	66	72	Operational	Not Complying
31	Vadodara Kapurai	43	50	Operational	Not Complying
32	Vadodara Rajivnagar	78	32	Operational	Complying
33	Vadodara Sayaji garden	8.5	7	Operational	Under modification
34	Vadodara Channi	21	25	Operational	Not Complying
35	Vadodara Atladara (old)	43	51	Operational	Not Complying
36	Vadodara Atladara (new)	43	54	Operational	Complying
37	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Complying
39	Gandhinagar Basan 2011-12	2	0.3	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
40	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
41	Rajkot Raiyadhar 2017	56	15	Operational	Not Obtained CTE & CCA
42	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not Obtained CTE & CCA
43	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying with the norms.
44	Rajkot Gavaridad 2018	70	30	Operational	Complying
45	Rajkot Madhapar 2019	80	20	Operational	Not Obtained CTE & CCA
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not Obtained CTE & CCA
47	Bhavnagar Behind Excel industries	45	40	Operational	Complying
48	Jamnagar Navagam Ghed	70	65	Operational	CCA renewal rejected for not meeting with the timeline of action plan submitted with CCA application.
49	Gandhidham - Anjar	30.00	22	Operational	Complying
50	Patan	25.00	13	Operational	Not Obtained CTE & CCA
51	Nadiad	51.26	20	Operational	Not Complying
52	Siddhpur	5.62	5	Operational	Oxidation pond
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
54	Sanand	20.50	0	Non -Operational	Under Trail Run
55	Himmatnagar	17.51	6	Operational	Complying
56	Petlad	10.37	8	Operational	Not Obtained CTE & CCA
57	Dholka	13.60	8	Operational	Not Complying
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

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
63	Patadi	2.80	1.33	Operational	Oxidation Pond
64	Sojitra	2.30	2	Operational	Oxidation Pond
65	Dwarka	7.50	2.28	Operational	Not Obtained CTE & CCA
66	Godhra	27.60	4	Operational	Not Complying
67	Bhuj	23.70	19	Operational	Not complying
68	Bhachau	10	4	Operational	CCA expired, not applied for renewal.
69	Anand	33	9	Operational	Not Obtained CTE & CCA
70	Anand	13.5	2.5	Operational	Not Obtained CTE & CCA
71	Surendranagar	32.3	17	Operational	Not Obtained CTE & CCA
72	Valsad-1	20.2	2	Operational	CTE issued CCA yet not applied
73	Morbi	28.8	6	Operational	Complying
Total		3485.66	2738.72		

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	75%	Completed	30/06/2021
2.	Ahmedabad Pirana	155	80%	Completed	31/03/2021
3.	Ahmedabad Maleksaban	30	5%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	Surat Bhesan	100	95%	Completed	31/03/2021
7.	SuratSinganpore	100	88%	Completed	30/06/2021
8.	SuratBhatar	115	58%	Completed	31/07/2021
9.	SuratBamroli	115	40%	Completed	30/04/2021
10.	SuratAsarma	22.5	15%	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
11.	SuratKhajod	30	10%	Completed	30/09/2021
12.	Vadodara Kapurai	60	68%	75%	30/06/2021
13.	Vadodara Chhani	50	22%	Completed	31/12/2021
14.	Vadodara Bhayli	45	10%	Completed	28/02/2022
15.	Vadodara Sayaji garden	7.5	50%	Completed	30/06/2021
16.	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17.	Bhavnagar Axcel Industries	50	21%	Completed	31/05/2022
18.	JunagadhBilkha Road, Near CBSE School	8.2	25%	Completed	31/06/2021
19.	Rajula	5.70	0.00%	Completed	09/07/2021
20.	Bagasara	5.90	5.12%	Completed	09/07/2021
21.	Chalala	2.80	82.00%	Completed	12/04/2021
22.	Mahuva	16.30	37.61%	Completed	21/05/2021
23.	Talaja	5.80	50.00%	Completed	31/05/2021
24.	Una	11.70	81.00%	Completed	25/02/2021
25.	Bantva	2.60	80.25%	Completed	28/02/2021
26.	Dehgam	7.60	92.0%	Completed	28/02/2021
27.	Mansa	5.00	15.04%	Completed	24/05/2021
28.	Tharad	4.80	Completed Under Trail Run	Completed	31/12/2020
29.	Dhanera	4.00	25.00%	Completed	15/11/2021
30.	Bhabhar	3.50	25.00%	Completed	30/07/2021
31.	Thara	3.60	20.00%	Completed	15/11/2021
32.	Kadi	12.80	35.00%	Completed	05/09/2021
33.	Unjha	11.60	69.00%	Completed	31/05/2021
34.	Visnagar-1	12.00	86.00%	Completed	04/04/2021
35.	Visnagar-2	5.30	27.00%	Completed	04/04/2021
36.	Kheralu	2.90	35.00%	Completed	10/11/2021
37.	Vijapur	4.10	20.00%	Completed	10/11/2021
38.	Radhanpur	6.00	1.00%	98% (All civil work completed except 150 m rising main	10/11/2021

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)	
39.	Idar	7.40	83.00%	Completed	31/03/2021
40.	Khedbrahma	5.80	68.00%	Completed	11/03/2021
41.	Prantij	3.70	53.30%	Completed	31/03/2021
42.	Talod	3.60	0.00%	Completed	30/10/2021
43.	Vadali	3.80	0.00%	Completed	30/10/2021
44.	Jambusar	5.90	39.00%	Completed	08/10/2021
45.	Amod	3.10	10.00%	Completed	08/10/2021
46.	Bilimora	8.30	10.00%	Completed	04/03/2022
47.	Gandevi	2.60	7.00%	Completed	30/10/2021
48.	Bardoli	11.30	88.00%	Completed	08/03/2021
49.	KanakpurKansad	7.80	0.00%	Completed	After 18 months from possession of land
50.	Vyara	6.50	88.10%	Completed	31/03/2021
51.	nogapur	4.10	29.00%	Completed	30/04/2021
52.	Borsad	9.80	68.7%	Completed	30/04/2021
53.	Umreth	6.10	48.00%	Completed	30/08/2021
54.	Dahod	13.70	98.00%	Completed	Physical work completed, can be commissioned after power connection.
55.	Zalod	4.60	85.00%	Completed	31/03/2021
56.	Devgadhbariya	3.80	75.00%	Completed	31/03/2021
57.	Santrampur	2.91	25.00%	Completed	30/09/2021
58.	Kalol (P)	4.77	27.00%	Completed	30/09/2021
59.	Shehra	2.80	2.00%	Completed	30/09/2021
60.	Chhotaudepur	5.00	92.00%	Completed	28/02/2021
61.	Padra	5.60	63.90%	Completed	31/07/2021
62.	Viramgam	4.50	43.00%	Completed	30/05/2021
63.	Bavla	5.80	2.00%	Completed	31/12/2021
64.	Dhandhuka	7.50	86.70%	Completed	28/02/2021
65.	Bareja	3.10	61.00%	Completed	21/02/2021
66.	Chaklasi	4.90	0.00%	Completed	After 15 months from possession of land
67.	Kapadwanj	6.20	9.00%	Completed	31/12/2021
68.	Mehmdabad	5.60	38.00%	Completed	17/11/2021
69.	Dakor	4.90	0.00%	Completed	After 15 months from possession of land
70.	Kheda	5.20	32.00%	Completed	17/11/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
71.	Chotila-1	2.30	4.00%	Completed	30/09/2021
72.	Chotila-2	1.70	4.00%	Completed	After 15 months from possession of land
73.	Wadhwan	12.10	0.00%	Completed	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.
74.	Dhangadhra	11.60	95.00%	Completed	28/02/2021
75.	Barwala	2.90	6.00%	Completed	09/07/2021
76.	Jasdan	8.80	Completed Under trial run	Completed	31/12/2020
77.	Harij	3.00	4.00%	Completed	31/12/2021
78.	Chanasma	2.50	0.00%	Completed	After 15 months from possession of land
79.	Ode	2.50	2.00%	Completed	09/09/2021
80.	Karjan	5.20	6.75%	Completed	09/12/2021
81.	Vadnagar	5.94	95.00%	Completed	31/12/2020
82.	Botad	32.00	86.00%	Completed	28/02/2021
83.	Morbi-2	9.30	87.60%	Completed	31/03/2021
84.	Jetpur	23.50	88.00%	Completed	31/01/2021
85.	Gondal	16.50	46.00%	Completed	30/06/2021
86.	Amreli	18.20	71.00%	Completed	31/05/2021
87.	Kalol	23.50	16.00%	Completed	31/03/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
88.	Palanpur	21.30	3.00%	95%	31/03/2021
89.	Deesa	17.00	62.00%	Completed	31/03/2021
90.	Bharuch	29.32	79.00%	90%	31/03/2021
91.	Vapi-1	14.00	40.00%	Completed	31/03/2021
92.	Anand-3	6.50	80.00%	Completed	31/03/2021
93.	Porbandar-1	12.80	80.00%	Completed	31/03/2021
94.	Porbandar-2	19.10	90.00%	Completed	31/01/2021
95.	Damnagar	2.80	0.00%	Completed	11/02/2022
96.	Lathi	3.80	0.00%	Completed	11/02/2022
97.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1706.34			

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	Work to be Awarded	31/12/2022
2.	Vadodara Tarsali	48	DPR Stage	31/12/2022
3.	Vadodara Atladara	83	DPR Stage	31/12/2022
4.	Vadodara Gajarawadi	93	DPR Stage	31/12/2022
5.	GandhinagarSargasan	50	DPR Stage	31/12/2022
6.	Bhavnagar Akwada	19.2	Work order given	31/12/2022
7.	Jamnagar Nr Rangmati River	40	DPR Stage	31/12/2022
8.	Junagadh	15.50	DPR Stage	31/12/2022
9.	Junagadh	11.00	DPR Stage	31/12/2022
10.	Junagadh	29.50	DPR Stage	31/12/2022
11.	Balasinor	6.50	Work order given	23/01/2022
12.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
13.	Bhanvad	3.00	Under Tender evaluation	31/03/2022
14.	Savli	2.50	Under Tender	31/03/2022

			evaluation	
15.	Visavadar	3.40	Under Tender evaluation	31/03/2022
16.	Rajpipla	5.02	Under Tender evaluation	31/03/2022
17.	Khambhat-1	6.80	Work order given	04/06/2022
18.	Khambhat-2	4.50	Work order given	04/06/2022
19.	Anklav	3.60	Work order given	04/03/2022
20.	Boriavi	3.30	Under Tender evaluation	31/03/2022
21.	Lunawada	5.60	Under Tender evaluation	31/03/2022
22.	Kanjari	3.30	Under Tender evaluation	31/03/2022
23.	Okha	10.10	Under Tender evaluation	31/03/2022
24.	Beyt (near Okha)	1.20	Under Tender evaluation	31/03/2022
25.	Khambhalia	5.50	Under Tender evaluation	31/03/2022
26.	Salaya, Jamnagar	6.20	Under Tender evaluation	31/03/2022
27.	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
28.	Wankaner	5.80	Tender tobe invited	31/03/2022
29.	Chhaya	13.10	Under Tender evaluation	31/03/2022
30.	Palitana	10.81	Under Tender evaluation	31/03/2022
31.	MandviSurat	3.50	Under Tender evaluation	31/03/2022
32.	Thangadh	9.00	Work order given	07/06/2022
33.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
34.	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
35.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
36.	Babra	4.00	Tender tobe invited	31/12/2022
37.	Kodinar	5.60	Tender tobe invited	31/12/2022
38.	Sutrapada	4.00	Tender tobe invited	31/12/2022
39.	Talala	3.80	Tender tobe invited	31/12/2022
40.	Chorvad	3.70	Tender tobe invited	31/12/2022
41.	Halol	11.60	Tender tobe invited	31/12/2022
42.	Thasra	2.30	Tender tobe invited	31/12/2022
43.	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
44.	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022

45.	Jamraval	2.60	Tender tobe invited	31/12/2022
46.	Dhrol	3.60	Tender tobe invited	31/12/2022
47.	Kalavad	3.60	Tender Online	31/12/2022
48.	Halvad	6.70	Under Tender evaluation	31/12/2022
49.	Maliya	2.50	Tender tobe invited	31/12/2022
50.	Kutiyana	2.90	Tender tobe invited	31/12/2022
51.	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
52.	Ranavav-2	4.50	Tender tobe invited	31/12/2022
53.	Dhoraji	12.90	Tender tobe invited	31/12/2022
54.	Bhayavadar	3.10	Tender tobe invited	31/12/2022
55.	Manavadar	4.90	Under Tender evaluation	31/12/2022
56.	Pethapur	3.80	Tender online (earlier tender rejected/ disqualified)	31/03/2022
57.	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
58.	Umargam	6.48	Under Tender evaluation	31/12/2022
59.	Dabhoi	8.96	Under Tender evaluation	31/12/2022
60.	Sikka	2.90	Tender Online	31/12/2022
61.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
62.	Mahesana-1	23.18	Tender Online	31/03/2022
63.	Mahesana-2	18.46	Tender Online	31/03/2022
64.	Jafrabad	5.4	DPR/DTP stage	31/12/2022
65.	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
66.	Shihor	8.9	Tender tobe invited	31/12/2022
67.	Mangrol	9.6	DPR/DTP stage	31/12/2022
68.	Vanthli	2.2	DPR/DTP stage	31/12/2022
69.	Modasa	12.0	DPR/DTP stage	31/12/2022
70.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
71.	Songadh	4.5	Tender tobe invited	31/12/2022
72.	Pardi	4.6	Tender tobe invited	31/12/2022
73.	Karamsad	6.0	Tender tobe invited	31/12/2022
74.	Limdi	7.4	DPR/DTP stage	31/12/2022
75.	Bhachau	1.0	Tender tobe invited	31/12/2022
76.	Rapar	5.2	Tender tobe invited	31/12/2022
77.	Upleta	8.9	DPR/DTP stage	31/12/2022
78.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

Note: 1. Earlier at the time of submission of details regarding Proposed STPs of the State, the Sr.no. was inadvertently written as 80 actually it was 78 (Sr.No. 27 & 28 were skipped by mistake.

2. Work order for STPs at Sr.No. 6,11,17,18,19& 32 have been given

3. STP at Sr. No. 58 i.ePethapur STP of Gandhinagar District will henceforth be reflected along with the other STP of Gandhinagar District at Sr.No.5.

Details of 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
1.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
2.	GandhinagarBhat	30	DPR Stage	31/12/2022

[After addition of the above two newly proposed STPs, total number of proposed STPs in the state are 78 + 2 = 80]

Annexure-II

XIII. Progress/Status Report of the River/PRS water quality Monitoring (December– 2020):

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.	0.5	7	7.1	11	8.25	94	238

Note: Does not fall in any Priority as per the MPRs of June-2020 to December 2020.

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 (December– 2020):

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	0.5	15	3.0	<2	7.12	<2	816
Well At Hindu Dharamashala, Station Road, Dahod	0.5	13	4.2	<2	7.71	<2	432

Annexure-III

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

Sr.No	River name	Details/Status
1	Anas	1. Environmental flow: • 735 MCM (As per MoEF&CCNorms) Proposed plan to achieve minimum e-flow: There is lessinflowfromDecembertoMayinAnasRiverhence there is no question of releasing water during above period, however December to May, Average flowin river Anas is 600 Cusecs hence question does not arise. 2. Detail of Good irrigationPractices: • NA 3. Detail on Flood Plain ManagementZone: • 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 CETPs
November-2020

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	556	SCN Dated 11/01/2021
		BOD	30	34	
2.	M/s. Gujarat VepariMaha Mandal SahkariUdhyogikVasahat Ltd, Ahmedabad	NH_3-N	50	89.88	--
3.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	COD	250	261	SCN Dated 11/01/2021
		BOD	30	36	
4.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	516	Legal notice issued
		BOD	30	57	
5.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	SS	100	242	--
6.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	424	--
7.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	162	Action under process
8.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar	COD	500	597	Action under process
		NH_3-N	50	116.48	
9.	M/s. CETP of Kejriwal Integrated Textile Park Ltd – KITPL	SS	<5	8	--
10	M/s. Gujarat Eco Textile Park Pvt Ltd, Palsana, Surat	SS	<60	68	Action under process
11	M/S of Bhatgam washing ghatsudhhikaranYojanaPvt. Ltd., Bhatgam, Rajkot	COD	100	264	NOD issued on 19/12/2020 CETP is under trial run
		BOD	30	85	
		SS	100	126	
12	M/s Jetpur Dying & Printing	COD	250	610	Action

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
	Association, Jetpur, Rajkot	BOD	100	190	under process CETP is under trial run
		SS	100	248	
13	M/s Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	270	Action under process CETP is under trial run

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 forDecember – 2020.

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
- Capacity Utilization of existing STPs: 2739 MLD
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
- No. of Operational STPs:72
- No. of Complying STPs: 24
- No. of Non-complying STPs: 21
- STPs under maintenance / modification: 1
- STPs not obtained CTE / CC&A of GPCB: 13
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 3
- Details of STPs not available: 1
- 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 includeLandfillable, 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: 21, ➢ Non complying: 13 (Please refer Annexure VI) *(as per CM dash board data for **November-2020**, 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	170
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing MSW processing facilities in TPD	• There are total No. 755 of Plants for Vermi / Aerobic/ anaerobic Composting of

(bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF	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: 36.42 MT/day
- No. of Hospitals and Health Care Facilities: 31286
- Status of Treatment Facility/ CBMWTF: Existing – 21, Proposed – 1

  Capacity – 126 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: 5 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 &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 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, 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:

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. New installations of Sedimentation tank, Casket cooling system, Disk flotation, Ultrafiltration and RO plant are proposed for up-gradation and reuse of treated waste water by member units. Land leveling & Compound wall / Gabion wall under Progress. (Completion in 2021)

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
1	Ahmedabad Pirana 2009	60	60	Operational	Not Complying
2	Ahmedabad Old Pirana 2004	106	106	Operational	Not Complying
3	Ahmedabad Pirana 2009	180	180	Operational	Not Complying
4	Ahmedabad Vasna 2004	126	126	Operational	Complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Not Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Complying
8	Ahmedabad Vasna 2018	48	48	Operational	Complying
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Complying
10	Ahmedabad Vinzol 2020	35	30	Operational	Not Complying
11	Ahmedabad Arvind Mill	8	8	Operational	Complying
12	Ahmedabad Rasala	1	1	Operational	Complying
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
14	Ahmedabad V S Hospital	1	1	Operational	Complying
15	Ahmedabad Nikol	0.5	0.5	Operational	---
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
17	Ahmedabad Lambha	5	2	Operational	Complying
18	Surat Singanpore 2003/2014	155	147.58	Operational	Not Complying
19	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
	1999/2015				
20	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Not Complying
21	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
22	Surat Bamroli 2008/2019	100	77.9	Operational	Not Complying
23	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
24	Surat Khajod 2011	25	21.36	Operational	Not Complying
25	Surat Asarama 2011	15	19.23	Operational	Not Complying
26	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
27	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Not Complying
28	Surat Gavier 2016	53	15.37	Operational	Complying
29	Vadodara Tarsali	52	58	Operational	Not Complying
30	Vadodara Gajarawadi	66	72	Operational	Not Complying
31	Vadodara Kapurai	43	50	Operational	Not Complying
32	Vadodara Rajivnagar	78	32	Operational	Complying
33	Vadodara Sayaji garden	8.5	7	Operational	Under modification
34	Vadodara Channi	21	25	Operational	Not Complying
35	Vadodara Atladara (old)	43	51	Operational	Not Complying
36	Vadodara Atladara (new)	43	54	Operational	Complying
37	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Complying
39	Gandhinagar Basan 2011-12	2	0.3	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
40	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
41	Rajkot Raiyadhar 2017	56	15	Operational	Not Obtained CTE & CCA
42	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not Obtained CTE & CCA
43	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying with the norms.
44	Rajkot Gavaridad 2018	70	30	Operational	Complying
45	Rajkot Madhapar 2019	80	20	Operational	Not Obtained CTE & CCA
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not Obtained CTE & CCA
47	Bhavnagar Behind Excel industries	45	40	Operational	Complying
48	Jamnagar Navagam Ghed	70	65	Operational	CCA renewal rejected for not meeting with the timeline of action plan submitted with CCA application.
49	Gandhidham - Anjar	30.00	22	Operational	Complying
50	Patan	25.00	13	Operational	Not Obtained CTE & CCA
51	Nadiad	51.26	20	Operational	Not Complying
52	Siddhpur	5.62	5	Operational	Oxidation pond
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
54	Sanand	20.50	0	Non - Operational	Under Trail Run
55	Himmatnagar	17.51	6	Operational	Complying
56	Petlad	10.37	8	Operational	Not Obtained CTE & CCA
57	Dholka	13.60	8	Operational	Not Complying
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

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
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	Not Obtained CTE & CCA
66	Godhra	27.60	4	Operational	Not Complying
67	Bhuj	23.70	19	Operational	Not complying
68	Bhachau	10	4	Operational	CCA expired, not applied for renewal.
69	Anand	33	9	Operational	Not Obtained CTE & CCA
70	Anand	13.5	2.5	Operational	Not Obtained CTE & CCA
71	Surendranagar	32.3	17	Operational	Not Obtained CTE & CCA
72	Valsad-1	20.2	2	Operational	CTE issued CCA yet not applied
73	Morbi	28.8	6	Operational	Complying
Total		3485.66	2738.72		

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	75%	Completed	30/06/2021
2.	Ahmedabad Pirana	155	80%	Completed	31/03/2021
3.	Ahmedabad Maleksaban	30	5%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	Surat Bhesan	100	95%	Completed	31/03/2021
7.	SuratSinganpore	100	88%	Completed	30/06/2021
8.	SuratBhatar	115	58%	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
9.	SuratBamroli	115	40%	Completed	30/04/2021
10.	SuratAsarma	22.5	15%	Completed	30/09/2021
11.	SuratKhajod	30	10%	Completed	30/09/2021
12.	Vadodara Kapurai	60	68%	75%	30/06/2021
13.	Vadodara Chhani	50	22%	Completed	31/12/2021
14.	Vadodara Bhayli	45	10%	Completed	28/02/2022
15.	Vadodara Sayaji garden	7.5	50%	Completed	30/06/2021
16.	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17.	Bhavnagar Axcel Industries	50	21%	Completed	31/05/2022
18.	JunagadhBilkha Road, Near CBSE School	8.2	25%	Completed	31/06/2021
19.	Rajula	5.70	0.00%	Completed	09/07/2021
20.	Bagasara	5.90	5.12%	Completed	09/07/2021
21.	Chalala	2.80	82.00%	Completed	12/04/2021
22.	Mahuva	16.30	37.61%	Completed	21/05/2021
23.	Talaja	5.80	50.00%	Completed	31/05/2021
24.	Una	11.70	81.00%	Completed	25/02/2021
25.	Bantva	2.60	80.25%	Completed	28/02/2021
26.	Dehgam	7.60	92.0%	Completed	28/02/2021
27.	Mansa	5.00	15.04%	Completed	24/05/2021
28.	Tharad	4.80	Completed Under Trail Run	Completed	31/12/2020
29.	Dhanera	4.00	25.00%	Completed	15/11/2021
30.	Bhabhar	3.50	25.00%	Completed	30/07/2021
31.	Thara	3.60	20.00%	Completed	15/11/2021
32.	Kadi	12.80	35.00%	Completed	05/09/2021
33.	Unjha	11.60	69.00%	Completed	31/05/2021
34.	Visnagar-1	12.00	86.00%	Completed	04/04/2021
35.	Visnagar-2	5.30	27.00%	Completed	04/04/2021
36.	Kheralu	2.90	35.00%	Completed	10/11/2021
37.	Vijapur	4.10	20.00%	Completed	10/11/2021
38.	Radhanpur	6.00	1.00%	98% (All civil work completed	10/11/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
				except 150 m rising main balanced due to local opposition)	
39.	Idar	7.40	83.00%	Completed	31/03/2021
40.	Khedbrahma	5.80	68.00%	Completed	11/03/2021
41.	Prantij	3.70	53.30%	Completed	31/03/2021
42.	Talod	3.60	0.00%	Completed	30/10/2021
43.	Vadali	3.80	0.00%	Completed	30/10/2021
44.	Jambusar	5.90	39.00%	Completed	08/10/2021
45.	Amod	3.10	10.00%	Completed	08/10/2021
46.	Bilimora	8.30	10.00%	Completed	04/03/2022
47.	Gandevi	2.60	7.00%	Completed	30/10/2021
48.	Bardoli	11.30	88.00%	Completed	08/03/2021
49.	KanakpurKansad	7.80	0.00%	Completed	After 18 months from possession of land
50.	Vyara	6.50	88.10%	Completed	31/03/2021
51.	nogapur	4.10	29.00%	Completed	30/04/2021
52.	Borsad	9.80	68.7%	Completed	30/04/2021
53.	Umreth	6.10	48.00%	Completed	30/08/2021
54.	Dahod	13.70	98.00%	Completed	Physical work completed, can be commissioned after power connection.
55.	Zalod	4.60	85.00%	Completed	31/03/2021
56.	Devgadhbariya	3.80	75.00%	Completed	31/03/2021
57.	Santrampur	2.91	25.00%	Completed	30/09/2021
58.	Kalol (P)	4.77	27.00%	Completed	30/09/2021
59.	Shehra	2.80	2.00%	Completed	30/09/2021
60.	Chhotaudepur	5.00	92.00%	Completed	28/02/2021
61.	Padra	5.60	63.90%	Completed	31/07/2021
62.	Viramgam	4.50	43.00%	Completed	30/05/2021
63.	Bavla	5.80	2.00%	Completed	31/12/2021
64.	Dhandhuka	7.50	86.70%	Completed	28/02/2021
65.	Bareja	3.10	61.00%	Completed	21/02/2021
66.	Chaklasi	4.90	0.00%	Completed	After 15 months from possession of land
67.	Kapadwanj	6.20	9.00%	Completed	31/12/2021
68.	Mehmdabad	5.60	38.00%	Completed	17/11/2021
69.	Dakor	4.90	0.00%	Completed	After 15 months from possession of land

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
70.	Kheda	5.20	32.00%	Completed	17/11/2021
71.	Chotila-1	2.30	4.00%	Completed	30/09/2021
72.	Chotila-2	1.70	4.00%	Completed	After 15 months from possession of land
73.	Wadhwan	12.10	0.00%	Completed	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.
74.	Dhangadhra	11.60	95.00%	Completed	28/02/2021
75.	Barwala	2.90	6.00%	Completed	09/07/2021
76.	Jasdan	8.80	Completed Under trial run	Completed	31/12/2020
77.	Harij	3.00	4.00%	Completed	31/12/2021
78.	Chanasma	2.50	0.00%	Completed	After 15 months from possession of land
79.	Ode	2.50	2.00%	Completed	09/09/2021
80.	Karjan	5.20	6.75%	Completed	09/12/2021
81.	Vadnagar	5.94	95.00%	Completed	31/12/2020
82.	Botad	32.00	86.00%	Completed	28/02/2021
83.	Morbi-2	9.30	87.60%	Completed	31/03/2021
84.	Jetpur	23.50	88.00%	Completed	31/01/2021
85.	Gondal	16.50	46.00%	Completed	30/06/2021
86.	Amreli	18.20	71.00%	Completed	31/05/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
87.	Kalol	23.50	16.00%	Completed	31/03/2021
88.	Palanpur	21.30	3.00%	95%	31/03/2021
89.	Deesa	17.00	62.00%	Completed	31/03/2021
90.	Bharuch	29.32	79.00%	90%	31/03/2021
91.	Vapi-1	14.00	40.00%	Completed	31/03/2021
92.	Anand-3	6.50	80.00%	Completed	31/03/2021
93.	Porbandar-1	12.80	80.00%	Completed	31/03/2021
94.	Porbandar-2	19.10	90.00%	Completed	31/01/2021
95.	Damnagar	2.80	0.00%	Completed	11/02/2022
96.	Lathi	3.80	0.00%	Completed	11/02/2022
97.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1706.34			

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	Work to be Awarded	31/12/2022
2.	Vadodara Tarsali	48	DPR Stage	31/12/2022
3.	Vadodara Atladara	83	DPR Stage	31/12/2022
4.	Vadodara Gajarawadi	93	DPR Stage	31/12/2022
5.	GandhinagarSargasan	50	DPR Stage	31/12/2022
6.	Bhavnagar Akwada	19.2	Work order given	31/12/2022
7.	Jamnagar Nr Rangmati River	40	DPR Stage	31/12/2022
8.	Junagadh	15.50	DPR Stage	31/12/2022
9.	Junagadh	11.00	DPR Stage	31/12/2022
10.	Junagadh	29.50	DPR Stage	31/12/2022
11.	Balasinor	6.50	Work order given	23/01/2022
12.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
13.	Bhanvad	3.00	Under Tender evaluation	31/03/2022

14.	Savli	2.50	Under Tender evaluation	31/03/2022
15.	Visavadar	3.40	Under Tender evaluation	31/03/2022
16.	Rajpipla	5.02	Under Tender evaluation	31/03/2022
17.	Khambhat-1	6.80	Work order given	04/06/2022
18.	Khambhat-2	4.50	Work order given	04/06/2022
19.	Anklav	3.60	Work order given	04/03/2022
20.	Boriavi	3.30	Under Tender evaluation	31/03/2022
21.	Lunawada	5.60	Under Tender evaluation	31/03/2022
22.	Kanjari	3.30	Under Tender evaluation	31/03/2022
23.	Okha	10.10	Under Tender evaluation	31/03/2022
24.	Beyt (near Okha)	1.20	Under Tender evaluation	31/03/2022
25.	Khambhalia	5.50	Under Tender evaluation	31/03/2022
26.	Salaya, Jamnagar	6.20	Under Tender evaluation	31/03/2022
27.	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
28.	Wankaner	5.80	Tender tobe invited	31/03/2022
29.	Chhaya	13.10	Under Tender evaluation	31/03/2022
30.	Palitana	10.81	Under Tender evaluation	31/03/2022
31.	MandviSurat	3.50	Under Tender evaluation	31/03/2022
32.	Thangadh	9.00	Work order given	07/06/2022
33.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
34.	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
35.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
36.	Babra	4.00	Tender tobe invited	31/12/2022
37.	Kodinar	5.60	Tender tobe invited	31/12/2022
38.	Sutrapada	4.00	Tender tobe invited	31/12/2022
39.	Talala	3.80	Tender tobe invited	31/12/2022
40.	Chorvad	3.70	Tender tobe invited	31/12/2022
41.	Halol	11.60	Tender tobe invited	31/12/2022
42.	Thasra	2.30	Tender tobe invited	31/12/2022
43.	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
44.	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022

45.	Jamraval	2.60	Tender tobe invited	31/12/2022
46.	Dhrol	3.60	Tender tobe invited	31/12/2022
47.	Kalavad	3.60	Tender Online	31/12/2022
48.	Halvad	6.70	Under Tender evaluation	31/12/2022
49.	Maliya	2.50	Tender tobe invited	31/12/2022
50.	Kutiyana	2.90	Tender tobe invited	31/12/2022
51.	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
52.	Ranavav-2	4.50	Tender tobe invited	31/12/2022
53.	Dhoraji	12.90	Tender tobe invited	31/12/2022
54.	Bhayavadar	3.10	Tender tobe invited	31/12/2022
55.	Manavadar	4.90	Under Tender evaluation	31/12/2022
56.	Pethapur	3.80	Tender online (earlier tender rejected/ disqualified)	31/03/2022
57.	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
58.	Umargam	6.48	Under Tender evaluation	31/12/2022
59.	Dabhoi	8.96	Under Tender evaluation	31/12/2022
60.	Sikka	2.90	Tender Online	31/12/2022
61.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
62.	Mahesana-1	23.18	Tender Online	31/03/2022
63.	Mahesana-2	18.46	Tender Online	31/03/2022
64.	Jafrabad	5.4	DPR/DTP stage	31/12/2022
65.	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
66.	Shihor	8.9	Tender tobe invited	31/12/2022
67.	Mangrol	9.6	DPR/DTP stage	31/12/2022
68.	Vanthli	2.2	DPR/DTP stage	31/12/2022
69.	Modasa	12.0	DPR/DTP stage	31/12/2022
70.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
71.	Songadh	4.5	Tender tobe invited	31/12/2022
72.	Pardi	4.6	Tender tobe invited	31/12/2022
73.	Karamsad	6.0	Tender tobe invited	31/12/2022
74.	Limdi	7.4	DPR/DTP stage	31/12/2022
75.	Bhachau	1.0	Tender tobe invited	31/12/2022
76.	Rapar	5.2	Tender tobe invited	31/12/2022
77.	Upleta	8.9	DPR/DTP stage	31/12/2022
78.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

Note: 1. Earlier at the time of submission of details regarding Proposed STPs of the State, the Sr.no. was inadvertently written as 80 actually it was 78 (Sr.No. 27 & 28 were skipped by mistake.

2. Work order for STPs at Sr.No. 6,11,17,18,19& 32 have been given

3. **STP at Sr. No. 58 i.ePethapur STP of Gandhinagar District will henceforth be reflected along with the other STP of Gandhinagar District at Sr.No.5.**

Details of 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
1.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
2.	GandhinagarBhat	30	DPR Stage	31/12/2022

[After addition of the above two newly proposed STPs, total number of proposed STPs in the state are 78 + 2 = 80]

Annexure-II

XIII. Progress/Status Report of the River/PRS water quality Monitoring (December-2020)

Note: Does not fall in any Priority as per the MPRs of June-2020 to December 2020.

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
01-12-2020	Baleshwar Khadi	4.9	7.78	1.1	12	350	>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

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)
10-11-2020	CETP Of Gujarat Eco Textile Park Ltd	8.16	21	244	1.2	68	6.16	0.41
Standard		6.5 to 8.5	100	250	-	<60	50	1
10-11-2020	CETP Of New PalsanaIndustrial Co-	7.85	17	224	5.2	44	1.96	0.56

	Op. Society Ltd.							
Standard		6.5 to 8.5	30	250	-	<60	50	1

*** All the industries are CETP members having primary ETP facility.**

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**
01/10/2020	310	0.34	0.101	340	1441	15	2.5	3	7	53.5	0.28	0.068	0.102	7.84	0.182	5.04	50.44	4	86	360	17	1008	2.80	29

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**
01/10/2020	310	0.39	0.068	450	2032	10	2.5	3.8	7	0.07	754	0.28	0.03	0.09	7.79	0.165	7.11	71.12	4	135	510	43	1422	1.96

Annexure-III

Details w.r.t point no.XV, XVI, XVII &XVIIIgiven 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 perennialriver. 2. Detail of Good irrigationPractices: • There is no Irrigation project existing on Baleshwar Khadi. So the question of Irrigation Practice does not arise. 3. Detail on Flood Plain ManagementZone: • No such heavy flood is noticed in this drain, so question does notarise.

Annexure-IV

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

The details received from Social Forestry wing, AranyaBhavan, 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 CETPs
November-2020

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	556	SCN Dated 11/01/2021
		BOD	30	34	
2.	M/s. Gujarat VepariMaha Mandal SahkariUdhyogikVasahat Ltd, Ahmedabad	NH_3-N	50	89.88	--
3.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	COD	250	261	SCN Dated 11/01/2021
		BOD	30	36	
4.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	516	Legal notice issued
		BOD	30	57	
5.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	SS	100	242	--
6.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	424	--
7.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	162	Action under process
8.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar	COD	500	597	Action under process
		NH_3-N	50	116.48	
9.	M/s. CETP of Kejriwal Integrated Textile Park Ltd – KITPL	SS	<5	8	--
10	M/s. Gujarat Eco Textile Park Pvt Ltd, Palsana, Surat	SS	<60	68	Action under process
11	M/S of Bhatgam washing ghatsudhhikaranYojanaPvt. Ltd., Bhatgam, Rajkot	COD	100	264	NOD issued on 19/12/2020 CETP is under trial run
		BOD	30	85	
		SS	100	126	
12	M/s Jetpur Dying & Printing	COD	250	610	Action

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
	Association, Jetpur, Rajkot	BOD	100	190	under process CETP is under trial run
		SS	100	248	
13	M/s Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	270	Action under process CETP is under trial run

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 December – 2020.

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
- Capacity Utilization of existing STPs: 2739 MLD
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
- No. of Operational STPs: 72
- No. of Complying STPs: 24
- No. of Non-complying STPs: 21
- STPs under maintenance / modification: 1
- STPs not obtained CTE / CC&A of GPCB: 13
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 3
- Details of STPs not available: 1
- 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	Details are being prepared.

MLD:	
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste includeLandfillable, 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: 21, ➢ Non complying: 13 (Please refer Annexure VI) *(as per CM dash board data for **November-2020**, 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	170
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing	• There are total No. 755 of Plants for Vermi /

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	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: 36.42 MT/day
- No. of Hospitals and Health Care Facilities: 31286
- Status of Treatment Facility/ CBMWTF: Existing – 21, Proposed – 1

  Capacity – 126 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: 5 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, 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 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
1	Ahmedabad Pirana 2009	60	60	Operational	Not Complying
2	Ahmedabad Old Pirana 2004	106	106	Operational	Not Complying
3	Ahmedabad Pirana 2009	180	180	Operational	Not Complying
4	Ahmedabad Vasna 2004	126	126	Operational	Complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Not Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Complying
8	Ahmedabad Vasna 2018	48	48	Operational	Complying
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Complying
10	Ahmedabad Vinzol 2020	35	30	Operational	Not Complying
11	Ahmedabad Arvind Mill	8	8	Operational	Complying
12	Ahmedabad Rasala	1	1	Operational	Complying
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
14	Ahmedabad V S Hospital	1	1	Operational	Complying
15	Ahmedabad Nikol	0.5	0.5	Operational	---
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
17	Ahmedabad Lambha	5	2	Operational	Complying
18	Surat Singanpore 2003/2014	155	147.58	Operational	Not Complying
19	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
	1999/2015				
20	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Not Complying
21	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
22	Surat Bamroli 2008/2019	100	77.9	Operational	Not Complying
23	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
24	Surat Khajod 2011	25	21.36	Operational	Not Complying
25	Surat Asarama 2011	15	19.23	Operational	Not Complying
26	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
27	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Not Complying
28	Surat Gavier 2016	53	15.37	Operational	Complying
29	Vadodara Tarsali	52	58	Operational	Not Complying
30	Vadodara Gajarawadi	66	72	Operational	Not Complying
31	Vadodara Kapurai	43	50	Operational	Not Complying
32	Vadodara Rajivnagar	78	32	Operational	Complying
33	Vadodara Sayaji garden	8.5	7	Operational	Under modification
34	Vadodara Channi	21	25	Operational	Not Complying
35	Vadodara Atladara (old)	43	51	Operational	Not Complying
36	Vadodara Atladara (new)	43	54	Operational	Complying
37	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Complying
39	Gandhinagar Basan 2011-12	2	0.3	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
40	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
41	Rajkot Raiyadhar 2017	56	15	Operational	Not Obtained CTE & CCA
42	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not Obtained CTE & CCA
43	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying with the norms.
44	Rajkot Gavaridad 2018	70	30	Operational	Complying
45	Rajkot Madhapar 2019	80	20	Operational	Not Obtained CTE & CCA
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not Obtained CTE & CCA
47	Bhavnagar Behind Excel industries	45	40	Operational	Complying
48	Jamnagar Navagam Ghed	70	65	Operational	CCA renewal rejected for not meeting with the timeline of action plan submitted with CCA application.
49	Gandhidham - Anjar	30.00	22	Operational	Complying
50	Patan	25.00	13	Operational	Not Obtained CTE & CCA
51	Nadiad	51.26	20	Operational	Not Complying
52	Siddhpur	5.62	5	Operational	Oxidation pond
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
54	Sanand	20.50	0	Non - Operational	Under Trail Run
55	Himmatnagar	17.51	6	Operational	Complying
56	Petlad	10.37	8	Operational	Not Obtained CTE & CCA
57	Dholka	13.60	8	Operational	Not Complying
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

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
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	Not Obtained CTE & CCA
66	Godhra	27.60	4	Operational	Not Complying
67	Bhuj	23.70	19	Operational	Not complying
68	Bhachau	10	4	Operational	CCA expired, not applied for renewal.
69	Anand	33	9	Operational	Not Obtained CTE & CCA
70	Anand	13.5	2.5	Operational	Not Obtained CTE & CCA
71	Surendranagar	32.3	17	Operational	Not Obtained CTE & CCA
72	Valsad-1	20.2	2	Operational	CTE issued CCA yet not applied
73	Morbi	28.8	6	Operational	Complying
Total		3485.66	2738.72		

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	75%	Completed	30/06/2021
2.	Ahmedabad Pirana	155	80%	Completed	31/03/2021
3.	Ahmedabad Maleksaban	30	5%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	Surat Bhesan	100	95%	Completed	31/03/2021
7.	SuratSinganpore	100	88%	Completed	30/06/2021
8.	SuratBhatar	115	58%	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
9.	SuratBamroli	115	40%	Completed	30/04/2021
10.	SuratAsarma	22.5	15%	Completed	30/09/2021
11.	SuratKhajod	30	10%	Completed	30/09/2021
12.	Vadodara Kapurai	60	68%	75%	30/06/2021
13.	Vadodara Chhani	50	22%	Completed	31/12/2021
14.	Vadodara Bhayli	45	10%	Completed	28/02/2022
15.	Vadodara Sayaji garden	7.5	50%	Completed	30/06/2021
16.	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17.	Bhavnagar Axcel Industries	50	21%	Completed	31/05/2022
18.	JunagadhBilkha Road, Near CBSE School	8.2	25%	Completed	31/06/2021
19.	Rajula	5.70	0.00%	Completed	09/07/2021
20.	Bagasara	5.90	5.12%	Completed	09/07/2021
21.	Chalala	2.80	82.00%	Completed	12/04/2021
22.	Mahuva	16.30	37.61%	Completed	21/05/2021
23.	Talaja	5.80	50.00%	Completed	31/05/2021
24.	Una	11.70	81.00%	Completed	25/02/2021
25.	Bantva	2.60	80.25%	Completed	28/02/2021
26.	Dehgam	7.60	92.0%	Completed	28/02/2021
27.	Mansa	5.00	15.04%	Completed	24/05/2021
28.	Tharad	4.80	Completed Under Trail Run	Completed	31/12/2020
29.	Dhanera	4.00	25.00%	Completed	15/11/2021
30.	Bhabhar	3.50	25.00%	Completed	30/07/2021
31.	Thara	3.60	20.00%	Completed	15/11/2021
32.	Kadi	12.80	35.00%	Completed	05/09/2021
33.	Unjha	11.60	69.00%	Completed	31/05/2021
34.	Visnagar-1	12.00	86.00%	Completed	04/04/2021
35.	Visnagar-2	5.30	27.00%	Completed	04/04/2021
36.	Kheralu	2.90	35.00%	Completed	10/11/2021
37.	Vijapur	4.10	20.00%	Completed	10/11/2021
38.	Radhanpur	6.00	1.00%	98% (All civil work completed	10/11/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
				except 150 m rising main balanced due to local opposition)	
39.	Idar	7.40	83.00%	Completed	31/03/2021
40.	Khedbrahma	5.80	68.00%	Completed	11/03/2021
41.	Prantij	3.70	53.30%	Completed	31/03/2021
42.	Talod	3.60	0.00%	Completed	30/10/2021
43.	Vadali	3.80	0.00%	Completed	30/10/2021
44.	Jambusar	5.90	39.00%	Completed	08/10/2021
45.	Amod	3.10	10.00%	Completed	08/10/2021
46.	Bilimora	8.30	10.00%	Completed	04/03/2022
47.	Gandevi	2.60	7.00%	Completed	30/10/2021
48.	Bardoli	11.30	88.00%	Completed	08/03/2021
49.	KanakpurKansad	7.80	0.00%	Completed	After 18 months from possession of land
50.	Vyara	6.50	88.10%	Completed	31/03/2021
51.	nogapur	4.10	29.00%	Completed	30/04/2021
52.	Borsad	9.80	68.7%	Completed	30/04/2021
53.	Umreth	6.10	48.00%	Completed	30/08/2021
54.	Dahod	13.70	98.00%	Completed	Physical work completed, can be commissioned after power connection.
55.	Zalod	4.60	85.00%	Completed	31/03/2021
56.	Devgadhbariya	3.80	75.00%	Completed	31/03/2021
57.	Santrampur	2.91	25.00%	Completed	30/09/2021
58.	Kalol (P)	4.77	27.00%	Completed	30/09/2021
59.	Shehra	2.80	2.00%	Completed	30/09/2021
60.	Chhotaudepur	5.00	92.00%	Completed	28/02/2021
61.	Padra	5.60	63.90%	Completed	31/07/2021
62.	Viramgam	4.50	43.00%	Completed	30/05/2021
63.	Bavla	5.80	2.00%	Completed	31/12/2021
64.	Dhandhuka	7.50	86.70%	Completed	28/02/2021
65.	Bareja	3.10	61.00%	Completed	21/02/2021
66.	Chaklasi	4.90	0.00%	Completed	After 15 months from possession of land
67.	Kapadwanj	6.20	9.00%	Completed	31/12/2021
68.	Mehmdabad	5.60	38.00%	Completed	17/11/2021
69.	Dakor	4.90	0.00%	Completed	After 15 months from possession of land

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
70.	Kheda	5.20	32.00%	Completed	17/11/2021
71.	Chotila-1	2.30	4.00%	Completed	30/09/2021
72.	Chotila-2	1.70	4.00%	Completed	After 15 months from possession of land
73.	Wadhwan	12.10	0.00%	Completed	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.
74.	Dhangadhra	11.60	95.00%	Completed	28/02/2021
75.	Barwala	2.90	6.00%	Completed	09/07/2021
76.	Jasdan	8.80	Completed Under trial run	Completed	31/12/2020
77.	Harij	3.00	4.00%	Completed	31/12/2021
78.	Chanasma	2.50	0.00%	Completed	After 15 months from possession of land
79.	Ode	2.50	2.00%	Completed	09/09/2021
80.	Karjan	5.20	6.75%	Completed	09/12/2021
81.	Vadnagar	5.94	95.00%	Completed	31/12/2020
82.	Botad	32.00	86.00%	Completed	28/02/2021
83.	Morbi-2	9.30	87.60%	Completed	31/03/2021
84.	Jetpur	23.50	88.00%	Completed	31/01/2021
85.	Gondal	16.50	46.00%	Completed	30/06/2021
86.	Amreli	18.20	71.00%	Completed	31/05/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
87.	Kalol	23.50	16.00%	Completed	31/03/2021
88.	Palanpur	21.30	3.00%	95%	31/03/2021
89.	Deesa	17.00	62.00%	Completed	31/03/2021
90.	Bharuch	29.32	79.00%	90%	31/03/2021
91.	Vapi-1	14.00	40.00%	Completed	31/03/2021
92.	Anand-3	6.50	80.00%	Completed	31/03/2021
93.	Porbandar-1	12.80	80.00%	Completed	31/03/2021
94.	Porbandar-2	19.10	90.00%	Completed	31/01/2021
95.	Damnagar	2.80	0.00%	Completed	11/02/2022
96.	Lathi	3.80	0.00%	Completed	11/02/2022
97.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1706.34			

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	Work to be Awarded	31/12/2022
2.	Vadodara Tarsali	48	DPR Stage	31/12/2022
3.	Vadodara Atladara	83	DPR Stage	31/12/2022
4.	Vadodara Gajarawadi	93	DPR Stage	31/12/2022
5.	GandhinagarSargasan	50	DPR Stage	31/12/2022
6.	Bhavnagar Akwada	19.2	Work order given	31/12/2022
7.	Jamnagar Nr Rangmati River	40	DPR Stage	31/12/2022
8.	Junagadh	15.50	DPR Stage	31/12/2022
9.	Junagadh	11.00	DPR Stage	31/12/2022
10.	Junagadh	29.50	DPR Stage	31/12/2022
11.	Balasinor	6.50	Work order given	23/01/2022
12.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
13.	Bhanvad	3.00	Under Tender evaluation	31/03/2022

14.	Savli	2.50	Under Tender evaluation	31/03/2022
15.	Visavadar	3.40	Under Tender evaluation	31/03/2022
16.	Rajpipla	5.02	Under Tender evaluation	31/03/2022
17.	Khambhat-1	6.80	Work order given	04/06/2022
18.	Khambhat-2	4.50	Work order given	04/06/2022
19.	Anklav	3.60	Work order given	04/03/2022
20.	Boriavi	3.30	Under Tender evaluation	31/03/2022
21.	Lunawada	5.60	Under Tender evaluation	31/03/2022
22.	Kanjari	3.30	Under Tender evaluation	31/03/2022
23.	Okha	10.10	Under Tender evaluation	31/03/2022
24.	Beyt (near Okha)	1.20	Under Tender evaluation	31/03/2022
25.	Khambhalia	5.50	Under Tender evaluation	31/03/2022
26.	Salaya, Jamnagar	6.20	Under Tender evaluation	31/03/2022
27.	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
28.	Wankaner	5.80	Tender tobe invited	31/03/2022
29.	Chhaya	13.10	Under Tender evaluation	31/03/2022
30.	Palitana	10.81	Under Tender evaluation	31/03/2022
31.	MandviSurat	3.50	Under Tender evaluation	31/03/2022
32.	Thangadh	9.00	Work order given	07/06/2022
33.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
34.	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
35.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
36.	Babra	4.00	Tender tobe invited	31/12/2022
37.	Kodinar	5.60	Tender tobe invited	31/12/2022
38.	Sutrapada	4.00	Tender tobe invited	31/12/2022
39.	Talala	3.80	Tender tobe invited	31/12/2022
40.	Chorvad	3.70	Tender tobe invited	31/12/2022
41.	Halol	11.60	Tender tobe invited	31/12/2022
42.	Thasra	2.30	Tender tobe invited	31/12/2022
43.	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
44.	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022

45.	Jamraval	2.60	Tender tobe invited	31/12/2022
46.	Dhrol	3.60	Tender tobe invited	31/12/2022
47.	Kalavad	3.60	Tender Online	31/12/2022
48.	Halvad	6.70	Under Tender evaluation	31/12/2022
49.	Maliya	2.50	Tender tobe invited	31/12/2022
50.	Kutiyana	2.90	Tender tobe invited	31/12/2022
51.	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
52.	Ranavav-2	4.50	Tender tobe invited	31/12/2022
53.	Dhoraji	12.90	Tender tobe invited	31/12/2022
54.	Bhayavadar	3.10	Tender tobe invited	31/12/2022
55.	Manavadar	4.90	Under Tender evaluation	31/12/2022
56.	Pethapur	3.80	Tender online (earlier tender rejected/ disqualified)	31/03/2022
57.	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
58.	Umargam	6.48	Under Tender evaluation	31/12/2022
59.	Dabhoi	8.96	Under Tender evaluation	31/12/2022
60.	Sikka	2.90	Tender Online	31/12/2022
61.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
62.	Mahesana-1	23.18	Tender Online	31/03/2022
63.	Mahesana-2	18.46	Tender Online	31/03/2022
64.	Jafrabad	5.4	DPR/DTP stage	31/12/2022
65.	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
66.	Shihor	8.9	Tender tobe invited	31/12/2022
67.	Mangrol	9.6	DPR/DTP stage	31/12/2022
68.	Vanthli	2.2	DPR/DTP stage	31/12/2022
69.	Modasa	12.0	DPR/DTP stage	31/12/2022
70.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
71.	Songadh	4.5	Tender tobe invited	31/12/2022
72.	Pardi	4.6	Tender tobe invited	31/12/2022
73.	Karamsad	6.0	Tender tobe invited	31/12/2022
74.	Limdi	7.4	DPR/DTP stage	31/12/2022
75.	Bhachau	1.0	Tender tobe invited	31/12/2022
76.	Rapar	5.2	Tender tobe invited	31/12/2022
77.	Upleta	8.9	DPR/DTP stage	31/12/2022
78.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

Note: 1. Earlier at the time of submission of details regarding Proposed STPs of the State, the Sr.no. was inadvertently written as 80 actually it was 78 (Sr.No. 27 & 28 were skipped by mistake.

2. Work order for STPs at Sr.No. 6,11,17,18,19& 32 have been given

3. **STP at Sr. No. 58 i.ePethapur STP of Gandhinagar District will henceforth be reflected along with the other STP of Gandhinagar District at Sr.No.5.**

Details of 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
1.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
2.	GandhinagarBhat	30	DPR Stage	31/12/2022

[After addition of the above two newly proposed STPs, total number of proposed STPs in the state are 78 + 2 = 80]

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 December-2020:

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
01-12-2020	Sahol Bridge	5.6	7.55	2	11	21	63

Annexure-II (B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River for December - 20:

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
01/10/2020	33	870	1.5	352.7	25	14610	2.8	0.62	321	0.28	0.055	0.077	7.82	0.102	50.7	510.6	4	1200	2200	10	10228	1.4	30	1

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
01/10/2020	180	0.32	0.117	880	4019	15	2.5	2.9	10	0.55	90	0.28	0.053	0.093	7.96	0.126	14.1	140.6	4	310	610	48	2812	1.12	32	1

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
01/10/2020	370	0.36	0.101	570	3205	14	84.17	3	11	0.39	80.26	0.28	0.051	0.088	7.88	0.118	11.15	112	2	280	540	39	2244	1	32	1

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 stretche – 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 CETPs
November-2020

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	556	SCN Dated 11/01/2021
		BOD	30	34	
2.	M/s. Gujarat VepariMaha Mandal SahkariUdhyogikVasahat Ltd, Ahmedabad	NH_3-N	50	89.88	--
3.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	COD	250	261	SCN Dated 11/01/2021
		BOD	30	36	
4.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	516	Legal notice issued
		BOD	30	57	
5.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	SS	100	242	--
6.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	424	--
7.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	162	Action under process
8.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar	COD	500	597	Action under process
		NH_3-N	50	116.48	
9.	M/s. CETP of Kejriwal Integrated Textile Park Ltd – KITPL	SS	<5	8	--
10.	M/s. Gujarat Eco Textile Park Pvt Ltd, Palsana, Surat	SS	<60	68	Action under process
11.	M/S of Bhatgam washing ghatsudhhikaranYojanaPvt. Ltd., Bhatgam, Rajkot	COD	100	264	NOD issued on 19/12/2020 CETP is under trial run
		BOD	30	85	
		SS	100	126	
12.	M/s Jetpur Dying & Printing	COD	250	610	Action

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
	Association, Jetpur, Rajkot	BOD	100	190	under process CETP is under trial run
		SS	100	248	
13.	M/s Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	270	Action under process CETP is under trial run

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 December–2020.

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
- Capacity Utilization of existing STPs: 2739 MLD
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
- No. of Operational STPs: 72
- No. of Complying STPs: 24
- No. of Non-complying STPs: 21
- STPs under maintenance / modification: 1
- STPs not obtained CTE / CC&A of GPCB: 13
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 3
- Details of STPs not available: 1
- 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	Details are being prepared.

MLD:	
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: 21, ➢ Non complying: 13 (Please refer Annexure VI) *(as per CM dash board data for **November-2020**, 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	170
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing	• There are total No. 755 of Plants for Vermi /

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	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: 36.42 MT/day
- No. of Hospitals and Health Care Facilities: 31286
- Status of Treatment Facility/ CBMWTF: Existing – 21, Proposed – 1

  Capacity – 126 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: 5 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 wasteinto 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:

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
1	Ahmedabad Pirana 2009	60	60	Operational	Not Complying
2	Ahmedabad Old Pirana 2004	106	106	Operational	Not Complying
3	Ahmedabad Pirana 2009	180	180	Operational	Not Complying
4	Ahmedabad Vasna 2004	126	126	Operational	Complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Not Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Complying
8	Ahmedabad Vasna 2018	48	48	Operational	Complying
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Complying
10	Ahmedabad Vinzol 2020	35	30	Operational	Not Complying
11	Ahmedabad Arvind Mill	8	8	Operational	Complying
12	Ahmedabad Rasala	1	1	Operational	Complying
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
14	Ahmedabad V S Hospital	1	1	Operational	Complying
15	Ahmedabad Nikol	0.5	0.5	Operational	---
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
17	Ahmedabad Lambha	5	2	Operational	Complying
18	Surat Singanpore 2003/2014	155	147.58	Operational	Not Complying
19	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
	1999/2015				
20	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Not Complying
21	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
22	Surat Bamroli 2008/2019	100	77.9	Operational	Not Complying
23	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
24	Surat Khajod 2011	25	21.36	Operational	Not Complying
25	Surat Asarama 2011	15	19.23	Operational	Not Complying
26	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
27	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Not Complying
28	Surat Gavier 2016	53	15.37	Operational	Complying
29	Vadodara Tarsali	52	58	Operational	Not Complying
30	Vadodara Gajarawadi	66	72	Operational	Not Complying
31	Vadodara Kapurai	43	50	Operational	Not Complying
32	Vadodara Rajivnagar	78	32	Operational	Complying
33	Vadodara Sayaji garden	8.5	7	Operational	Under modification
34	Vadodara Channi	21	25	Operational	Not Complying
35	Vadodara Atladara (old)	43	51	Operational	Not Complying
36	Vadodara Atladara (new)	43	54	Operational	Complying
37	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Complying
39	Gandhinagar Basan 2011-12	2	0.3	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
40	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
41	Rajkot Raiyadhar 2017	56	15	Operational	Not Obtained CTE & CCA
42	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not Obtained CTE & CCA
43	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying with the norms.
44	Rajkot Gavaridad 2018	70	30	Operational	Complying
45	Rajkot Madhapar 2019	80	20	Operational	Not Obtained CTE & CCA
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not Obtained CTE & CCA
47	Bhavnagar Behind Excel industries	45	40	Operational	Complying
48	Jamnagar Navagam Ghed	70	65	Operational	CCA renewal rejected for not meeting with the timeline of action plan submitted with CCA application.
49	Gandhidham - Anjar	30.00	22	Operational	Complying
50	Patan	25.00	13	Operational	Not Obtained CTE & CCA
51	Nadiad	51.26	20	Operational	Not Complying
52	Siddhpur	5.62	5	Operational	Oxidation pond
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
54	Sanand	20.50	0	Non - Operational	Under Trail Run
55	Himmatnagar	17.51	6	Operational	Complying
56	Petlad	10.37	8	Operational	Not Obtained CTE & CCA
57	Dholka	13.60	8	Operational	Not Complying
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

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
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	Not Obtained CTE & CCA
66	Godhra	27.60	4	Operational	Not Complying
67	Bhuj	23.70	19	Operational	Not complying
68	Bhachau	10	4	Operational	CCA expired, not applied for renewal.
69	Anand	33	9	Operational	Not Obtained CTE & CCA
70	Anand	13.5	2.5	Operational	Not Obtained CTE & CCA
71	Surendranagar	32.3	17	Operational	Not Obtained CTE & CCA
72	Valsad-1	20.2	2	Operational	CTE issued CCA yet not applied
73	Morbi	28.8	6	Operational	Complying
Total		3485.66	2738.72		

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	75%	Completed	30/06/2021
2.	Ahmedabad Pirana	155	80%	Completed	31/03/2021
3.	Ahmedabad Maleksaban	30	5%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	Surat Bhesan	100	95%	Completed	31/03/2021
7.	SuratSinganpore	100	88%	Completed	30/06/2021
8.	SuratBhatar	115	58%	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
9.	SuratBamroli	115	40%	Completed	30/04/2021
10.	SuratAsarma	22.5	15%	Completed	30/09/2021
11.	SuratKhajod	30	10%	Completed	30/09/2021
12.	Vadodara Kapurai	60	68%	75%	30/06/2021
13.	Vadodara Chhani	50	22%	Completed	31/12/2021
14.	Vadodara Bhayli	45	10%	Completed	28/02/2022
15.	Vadodara Sayaji garden	7.5	50%	Completed	30/06/2021
16.	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17.	Bhavnagar Axcel Industries	50	21%	Completed	31/05/2022
18.	JunagadhBilkha Road, Near CBSE School	8.2	25%	Completed	31/06/2021
19.	Rajula	5.70	0.00%	Completed	09/07/2021
20.	Bagasara	5.90	5.12%	Completed	09/07/2021
21.	Chalala	2.80	82.00%	Completed	12/04/2021
22.	Mahuva	16.30	37.61%	Completed	21/05/2021
23.	Talaja	5.80	50.00%	Completed	31/05/2021
24.	Una	11.70	81.00%	Completed	25/02/2021
25.	Bantva	2.60	80.25%	Completed	28/02/2021
26.	Dehgam	7.60	92.0%	Completed	28/02/2021
27.	Mansa	5.00	15.04%	Completed	24/05/2021
28.	Tharad	4.80	Completed Under Trail Run	Completed	31/12/2020
29.	Dhanera	4.00	25.00%	Completed	15/11/2021
30.	Bhabhar	3.50	25.00%	Completed	30/07/2021
31.	Thara	3.60	20.00%	Completed	15/11/2021
32.	Kadi	12.80	35.00%	Completed	05/09/2021
33.	Unjha	11.60	69.00%	Completed	31/05/2021
34.	Visnagar-1	12.00	86.00%	Completed	04/04/2021
35.	Visnagar-2	5.30	27.00%	Completed	04/04/2021
36.	Kheralu	2.90	35.00%	Completed	10/11/2021
37.	Vijapur	4.10	20.00%	Completed	10/11/2021
38.	Radhanpur	6.00	1.00%	98% (All civil work completed	10/11/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
				except 150 m rising main balanced due to local opposition)	
39.	Idar	7.40	83.00%	Completed	31/03/2021
40.	Khedbrahma	5.80	68.00%	Completed	11/03/2021
41.	Prantij	3.70	53.30%	Completed	31/03/2021
42.	Talod	3.60	0.00%	Completed	30/10/2021
43.	Vadali	3.80	0.00%	Completed	30/10/2021
44.	Jambusar	5.90	39.00%	Completed	08/10/2021
45.	Amod	3.10	10.00%	Completed	08/10/2021
46.	Bilimora	8.30	10.00%	Completed	04/03/2022
47.	Gandevi	2.60	7.00%	Completed	30/10/2021
48.	Bardoli	11.30	88.00%	Completed	08/03/2021
49.	KanakpurKansad	7.80	0.00%	Completed	After 18 months from possession of land
50.	Vyara	6.50	88.10%	Completed	31/03/2021
51.	nogapur	4.10	29.00%	Completed	30/04/2021
52.	Borsad	9.80	68.7%	Completed	30/04/2021
53.	Umreth	6.10	48.00%	Completed	30/08/2021
54.	Dahod	13.70	98.00%	Completed	Physical work completed, can be commissioned after power connection.
55.	Zalod	4.60	85.00%	Completed	31/03/2021
56.	Devgadhbariya	3.80	75.00%	Completed	31/03/2021
57.	Santrampur	2.91	25.00%	Completed	30/09/2021
58.	Kalol (P)	4.77	27.00%	Completed	30/09/2021
59.	Shehra	2.80	2.00%	Completed	30/09/2021
60.	Chhotaudepur	5.00	92.00%	Completed	28/02/2021
61.	Padra	5.60	63.90%	Completed	31/07/2021
62.	Viramgam	4.50	43.00%	Completed	30/05/2021
63.	Bavla	5.80	2.00%	Completed	31/12/2021
64.	Dhandhuka	7.50	86.70%	Completed	28/02/2021
65.	Bareja	3.10	61.00%	Completed	21/02/2021
66.	Chaklasi	4.90	0.00%	Completed	After 15 months from possession of land
67.	Kapadwanj	6.20	9.00%	Completed	31/12/2021
68.	Mehmdabad	5.60	38.00%	Completed	17/11/2021
69.	Dakor	4.90	0.00%	Completed	After 15 months from possession of land

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
70.	Kheda	5.20	32.00%	Completed	17/11/2021
71.	Chotila-1	2.30	4.00%	Completed	30/09/2021
72.	Chotila-2	1.70	4.00%	Completed	After 15 months from possession of land
73.	Wadhwan	12.10	0.00%	Completed	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.
74.	Dhangadhra	11.60	95.00%	Completed	28/02/2021
75.	Barwala	2.90	6.00%	Completed	09/07/2021
76.	Jasdan	8.80	Completed Under trial run	Completed	31/12/2020
77.	Harij	3.00	4.00%	Completed	31/12/2021
78.	Chanasma	2.50	0.00%	Completed	After 15 months from possession of land
79.	Ode	2.50	2.00%	Completed	09/09/2021
80.	Karjan	5.20	6.75%	Completed	09/12/2021
81.	Vadnagar	5.94	95.00%	Completed	31/12/2020
82.	Botad	32.00	86.00%	Completed	28/02/2021
83.	Morbi-2	9.30	87.60%	Completed	31/03/2021
84.	Jetpur	23.50	88.00%	Completed	31/01/2021
85.	Gondal	16.50	46.00%	Completed	30/06/2021
86.	Amreli	18.20	71.00%	Completed	31/05/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
87.	Kalol	23.50	16.00%	Completed	31/03/2021
88.	Palanpur	21.30	3.00%	95%	31/03/2021
89.	Deesa	17.00	62.00%	Completed	31/03/2021
90.	Bharuch	29.32	79.00%	90%	31/03/2021
91.	Vapi-1	14.00	40.00%	Completed	31/03/2021
92.	Anand-3	6.50	80.00%	Completed	31/03/2021
93.	Porbandar-1	12.80	80.00%	Completed	31/03/2021
94.	Porbandar-2	19.10	90.00%	Completed	31/01/2021
95.	Damnagar	2.80	0.00%	Completed	11/02/2022
96.	Lathi	3.80	0.00%	Completed	11/02/2022
97.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1706.34			

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	Work to be Awarded	31/12/2022
2.	Vadodara Tarsali	48	DPR Stage	31/12/2022
3.	Vadodara Atladara	83	DPR Stage	31/12/2022
4.	Vadodara Gajarawadi	93	DPR Stage	31/12/2022
5.	GandhinagarSargasan	50	DPR Stage	31/12/2022
6.	Bhavnagar Akwada	19.2	Work order given	31/12/2022
7.	Jamnagar Nr Rangmati River	40	DPR Stage	31/12/2022
8.	Junagadh	15.50	DPR Stage	31/12/2022
9.	Junagadh	11.00	DPR Stage	31/12/2022
10.	Junagadh	29.50	DPR Stage	31/12/2022
11.	Balasinor	6.50	Work order given	23/01/2022
12.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
13.	Bhanvad	3.00	Under Tender evaluation	31/03/2022

14.	Savli	2.50	Under Tender evaluation	31/03/2022
15.	Visavadar	3.40	Under Tender evaluation	31/03/2022
16.	Rajpipla	5.02	Under Tender evaluation	31/03/2022
17.	Khambhat-1	6.80	Work order given	04/06/2022
18.	Khambhat-2	4.50	Work order given	04/06/2022
19.	Anklav	3.60	Work order given	04/03/2022
20.	Boriavi	3.30	Under Tender evaluation	31/03/2022
21.	Lunawada	5.60	Under Tender evaluation	31/03/2022
22.	Kanjari	3.30	Under Tender evaluation	31/03/2022
23.	Okha	10.10	Under Tender evaluation	31/03/2022
24.	Beyt (near Okha)	1.20	Under Tender evaluation	31/03/2022
25.	Khambhalia	5.50	Under Tender evaluation	31/03/2022
26.	Salaya, Jamnagar	6.20	Under Tender evaluation	31/03/2022
27.	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
28.	Wankaner	5.80	Tender tobe invited	31/03/2022
29.	Chhaya	13.10	Under Tender evaluation	31/03/2022
30.	Palitana	10.81	Under Tender evaluation	31/03/2022
31.	MandviSurat	3.50	Under Tender evaluation	31/03/2022
32.	Thangadh	9.00	Work order given	07/06/2022
33.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
34.	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
35.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
36.	Babra	4.00	Tender tobe invited	31/12/2022
37.	Kodinar	5.60	Tender tobe invited	31/12/2022
38.	Sutrapada	4.00	Tender tobe invited	31/12/2022
39.	Talala	3.80	Tender tobe invited	31/12/2022
40.	Chorvad	3.70	Tender tobe invited	31/12/2022
41.	Halol	11.60	Tender tobe invited	31/12/2022
42.	Thasra	2.30	Tender tobe invited	31/12/2022
43.	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
44.	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022

45.	Jamraval	2.60	Tender tobe invited	31/12/2022
46.	Dhrol	3.60	Tender tobe invited	31/12/2022
47.	Kalavad	3.60	Tender Online	31/12/2022
48.	Halvad	6.70	Under Tender evaluation	31/12/2022
49.	Maliya	2.50	Tender tobe invited	31/12/2022
50.	Kutiyana	2.90	Tender tobe invited	31/12/2022
51.	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
52.	Ranavav-2	4.50	Tender tobe invited	31/12/2022
53.	Dhoraji	12.90	Tender tobe invited	31/12/2022
54.	Bhayavadar	3.10	Tender tobe invited	31/12/2022
55.	Manavadar	4.90	Under Tender evaluation	31/12/2022
56.	Pethapur	3.80	Tender online (earlier tender rejected/ disqualified)	31/03/2022
57.	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
58.	Umargam	6.48	Under Tender evaluation	31/12/2022
59.	Dabhoi	8.96	Under Tender evaluation	31/12/2022
60.	Sikka	2.90	Tender Online	31/12/2022
61.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
62.	Mahesana-1	23.18	Tender Online	31/03/2022
63.	Mahesana-2	18.46	Tender Online	31/03/2022
64.	Jafrabad	5.4	DPR/DTP stage	31/12/2022
65.	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
66.	Shihor	8.9	Tender tobe invited	31/12/2022
67.	Mangrol	9.6	DPR/DTP stage	31/12/2022
68.	Vanthli	2.2	DPR/DTP stage	31/12/2022
69.	Modasa	12.0	DPR/DTP stage	31/12/2022
70.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
71.	Songadh	4.5	Tender tobe invited	31/12/2022
72.	Pardi	4.6	Tender tobe invited	31/12/2022
73.	Karamsad	6.0	Tender tobe invited	31/12/2022
74.	Limdi	7.4	DPR/DTP stage	31/12/2022
75.	Bhachau	1.0	Tender tobe invited	31/12/2022
76.	Rapar	5.2	Tender tobe invited	31/12/2022
77.	Upleta	8.9	DPR/DTP stage	31/12/2022
78.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

Note: 1. Earlier at the time of submission of details regarding Proposed STPs of the State, the Sr.no. was inadvertently written as 80 actually it was 78 (Sr.No. 27 & 28 were skipped by mistake.

2. Work order for STPs at Sr.No. 6,11,17,18,19& 32 have been given

3. **STP at Sr. No. 58 i.ePethapur STP of Gandhinagar District will henceforth be reflected along with the other STP of Gandhinagar District at Sr.No.5.**

Details of 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
1.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
2.	GandhinagarBhat	30	DPR Stage	31/12/2022

[After addition of the above two newly proposed STPs, total number of proposed STPs in the state are 78 + 2 = 80]

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 December-2020:

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
01/12/2020	River Meshwo D/s at Shamlaji	7.82	7.79	0.89	6.0	12	47

Annexure-II(B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River for November-20:

Date	Location	pH	BOD (mg/l)	COD (mg/l)	TDS (mg/l)
01/12/2020	Borewell from Shamlaji Dharamshala	7.80	0.87	8.0	468

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 IrrigationPractices: • 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 minimise seepage losses. • As such no water logging issues are noticed due to irrigation in command area. 3. Detail on Flood Plain ManagementZone: • 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 CETPs
November-2020

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	556	SCN Dated 11/01/2021
		BOD	30	34	
2.	M/s. Gujarat VepariMaha Mandal SahkariUdhyogikVasahat Ltd, Ahmedabad	NH_3-N	50	89.88	--
3.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	COD	250	261	SCN Dated 11/01/2021
		BOD	30	36	
4.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	516	Legal notice issued
		BOD	30	57	
5.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	SS	100	242	--
6.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	424	--
7.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	162	Action under process
8.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar	COD	500	597	Action under process
		NH_3-N	50	116.48	
9.	M/s. CETP of Kejriwal Integrated Textile Park Ltd – KITPL	SS	<5	8	--
10	M/s. Gujarat Eco Textile Park Pvt Ltd, Palsana, Surat	SS	<60	68	Action under process
11	M/S of Bhatgam washing ghatsudhhikaranYojanaPvt. Ltd., Bhatgam, Rajkot	COD	100	264	NOD issued on 19/12/2020 CETP is under trial run
		BOD	30	85	
		SS	100	126	
12	M/s Jetpur Dying & Printing	COD	250	610	Action

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
	Association, Jetpur, Rajkot	BOD	100	190	under process CETP is under trial run
		SS	100	248	
13	M/s Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	270	Action under process CETP is under trial run

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 December – 2020.

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
- Capacity Utilization of existing STPs: 2739 MLD
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
- No. of Operational STPs: 72
- No. of Complying STPs: 24
- No. of Non-complying STPs: 21
- STPs under maintenance / modification: 1
- STPs not obtained CTE / CC&A of GPCB: 13
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 3
- Details of STPs not available: 1
- 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	Details are being prepared.

MLD:	
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste includeLandfillable, 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: 21, ➢ Non complying: 13 (Please refer Annexure VI) *(as per CM dash board data for **November-2020**, 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	170
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type	• There are total No. 755 of Plants for Vermi / Aerobic/ anaerobic Composting of

of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF	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: 36.42 MT/day
- No. of Hospitals and Health Care Facilities: 31286
- Status of Treatment Facility/ CBMWTF: Existing – 21, Proposed – 1

  Capacity – 126 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: 5 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 wasteinto 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.	STP of 4 MLD (2+2 MLD) proposed by Sachin Notified Area Authority	DPR is ready, Project submitted to H.O level for perusal, Tender awaited Allotment of land is under approval in GIDC. (details not available)

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
1	Ahmedabad Pirana 2009	60	60	Operational	Not Complying
2	Ahmedabad Old Pirana 2004	106	106	Operational	Not Complying
3	Ahmedabad Pirana 2009	180	180	Operational	Not Complying
4	Ahmedabad Vasna 2004	126	126	Operational	Complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Not Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Complying
8	Ahmedabad Vasna 2018	48	48	Operational	Complying
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Complying
10	Ahmedabad Vinzol 2020	35	30	Operational	Not Complying
11	Ahmedabad Arvind Mill	8	8	Operational	Complying
12	Ahmedabad Rasala	1	1	Operational	Complying
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
14	Ahmedabad V S Hospital	1	1	Operational	Complying
15	Ahmedabad Nikol	0.5	0.5	Operational	---
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
17	Ahmedabad Lambha	5	2	Operational	Complying
18	Surat Singanpore 2003/2014	155	147.58	Operational	Not Complying
19	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
	1999/2015				
20	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Not Complying
21	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
22	Surat Bamroli 2008/2019	100	77.9	Operational	Not Complying
23	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
24	Surat Khajod 2011	25	21.36	Operational	Not Complying
25	Surat Asarama 2011	15	19.23	Operational	Not Complying
26	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
27	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Not Complying
28	Surat Gavier 2016	53	15.37	Operational	Complying
29	Vadodara Tarsali	52	58	Operational	Not Complying
30	Vadodara Gajarawadi	66	72	Operational	Not Complying
31	Vadodara Kapurai	43	50	Operational	Not Complying
32	Vadodara Rajivnagar	78	32	Operational	Complying
33	Vadodara Sayaji garden	8.5	7	Operational	Under modification
34	Vadodara Channi	21	25	Operational	Not Complying
35	Vadodara Atladara (old)	43	51	Operational	Not Complying
36	Vadodara Atladara (new)	43	54	Operational	Complying
37	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Complying
39	Gandhinagar Basan 2011-12	2	0.3	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
40	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
41	Rajkot Raiyadhar 2017	56	15	Operational	Not Obtained CTE & CCA
42	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not Obtained CTE & CCA
43	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying with the norms.
44	Rajkot Gavaridad 2018	70	30	Operational	Complying
45	Rajkot Madhapar 2019	80	20	Operational	Not Obtained CTE & CCA
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not Obtained CTE & CCA
47	Bhavnagar Behind Excel industries	45	40	Operational	Complying
48	Jamnagar Navagam Ghed	70	65	Operational	CCA renewal rejected for not meeting with the timeline of action plan submitted with CCA application.
49	Gandhidham - Anjar	30.00	22	Operational	Complying
50	Patan	25.00	13	Operational	Not Obtained CTE & CCA
51	Nadiad	51.26	20	Operational	Not Complying
52	Siddhpur	5.62	5	Operational	Oxidation pond
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
54	Sanand	20.50	0	Non - Operational	Under Trail Run
55	Himmatnagar	17.51	6	Operational	Complying
56	Petlad	10.37	8	Operational	Not Obtained CTE & CCA
57	Dholka	13.60	8	Operational	Not Complying
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

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
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	Not Obtained CTE & CCA
66	Godhra	27.60	4	Operational	Not Complying
67	Bhuj	23.70	19	Operational	Not complying
68	Bhachau	10	4	Operational	CCA expired, not applied for renewal.
69	Anand	33	9	Operational	Not Obtained CTE & CCA
70	Anand	13.5	2.5	Operational	Not Obtained CTE & CCA
71	Surendranagar	32.3	17	Operational	Not Obtained CTE & CCA
72	Valsad-1	20.2	2	Operational	CTE issued CCA yet not applied
73	Morbi	28.8	6	Operational	Complying
Total		3485.66	2738.72		

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	75%	Completed	30/06/2021
2.	Ahmedabad Pirana	155	80%	Completed	31/03/2021
3.	Ahmedabad Maleksaban	30	5%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	Surat Bhesan	100	95%	Completed	31/03/2021
7.	SuratSinganpore	100	88%	Completed	30/06/2021
8.	SuratBhatar	115	58%	Completed	31/07/2021
9.	SuratBamroli	115	40%	Completed	30/04/2021
10.	SuratAsarma	22.5	15%	Completed	30/09/2021
11.	SuratKhajod	30	10%	Completed	30/09/2021
12.	Vadodara Kapurai	60	68%	75%	30/06/2021
13.	Vadodara Chhani	50	22%	Completed	31/12/2021
14.	Vadodara Bhayli	45	10%	Completed	28/02/2022
15.	Vadodara Sayaji garden	7.5	50%	Completed	30/06/2021
16.	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17.	Bhavnagar Axcel Industries	50	21%	Completed	31/05/2022
18.	JunagadhBilkha Road, Near CBSE School	8.2	25%	Completed	31/06/2021
19.	Rajula	5.70	0.00%	Completed	09/07/2021
20.	Bagasara	5.90	5.12%	Completed	09/07/2021
21.	Chalala	2.80	82.00%	Completed	12/04/2021
22.	Mahuva	16.30	37.61%	Completed	21/05/2021
23.	Talaja	5.80	50.00%	Completed	31/05/2021
24.	Una	11.70	81.00%	Completed	25/02/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
25.	Bantva	2.60	80.25%	Completed	28/02/2021
26.	Dehgam	7.60	92.0%	Completed	28/02/2021
27.	Mansa	5.00	15.04%	Completed	24/05/2021
28.	Tharad	4.80	Completed Under Trail Run	Completed	31/12/2020
29.	Dhanera	4.00	25.00%	Completed	15/11/2021
30.	Bhabhar	3.50	25.00%	Completed	30/07/2021
31.	Thara	3.60	20.00%	Completed	15/11/2021
32.	Kadi	12.80	35.00%	Completed	05/09/2021
33.	Unjha	11.60	69.00%	Completed	31/05/2021
34.	Visnagar-1	12.00	86.00%	Completed	04/04/2021
35.	Visnagar-2	5.30	27.00%	Completed	04/04/2021
36.	Kheralu	2.90	35.00%	Completed	10/11/2021
37.	Vijapur	4.10	20.00%	Completed	10/11/2021
38.	Radhanpur	6.00	1.00%	98% (All civil work completed except 150 m rising main balanced due to local opposition)	10/11/2021
39.	Idar	7.40	83.00%	Completed	31/03/2021
40.	Khedbrahma	5.80	68.00%	Completed	11/03/2021
41.	Prantij	3.70	53.30%	Completed	31/03/2021
42.	Talod	3.60	0.00%	Completed	30/10/2021
43.	Vadali	3.80	0.00%	Completed	30/10/2021
44.	Jambusar	5.90	39.00%	Completed	08/10/2021
45.	Amod	3.10	10.00%	Completed	08/10/2021
46.	Bilimora	8.30	10.00%	Completed	04/03/2022
47.	Gandevi	2.60	7.00%	Completed	30/10/2021
48.	Bardoli	11.30	88.00%	Completed	08/03/2021
49.	KanakpurKansad	7.80	0.00%	Completed	After 18 months from possession of land
50.	Vyara	6.50	88.10%	Completed	31/03/2021
51.	nogapur	4.10	29.00%	Completed	30/04/2021
52.	Borsad	9.80	68.7%	Completed	30/04/2021
53.	Umreth	6.10	48.00%	Completed	30/08/2021
54.	Dahod	13.70	98.00%	Completed	Physical work completed, can be commissioned after power connection.
55.	Zalod	4.60	85.00%	Completed	31/03/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
56.	Devgadhbariya	3.80	75.00%	Completed	31/03/2021
57.	Santrampur	2.91	25.00%	Completed	30/09/2021
58.	Kalol (P)	4.77	27.00%	Completed	30/09/2021
59.	Shehra	2.80	2.00%	Completed	30/09/2021
60.	Chhotaudepur	5.00	92.00%	Completed	28/02/2021
61.	Padra	5.60	63.90%	Completed	31/07/2021
62.	Viramgam	4.50	43.00%	Completed	30/05/2021
63.	Bavla	5.80	2.00%	Completed	31/12/2021
64.	Dhandhuka	7.50	86.70%	Completed	28/02/2021
65.	Bareja	3.10	61.00%	Completed	21/02/2021
66.	Chaklasi	4.90	0.00%	Completed	After 15 months from possession of land
67.	Kapadwanj	6.20	9.00%	Completed	31/12/2021
68.	Mehmdabad	5.60	38.00%	Completed	17/11/2021
69.	Dakor	4.90	0.00%	Completed	After 15 months from possession of land
70.	Kheda	5.20	32.00%	Completed	17/11/2021
71.	Chotila-1	2.30	4.00%	Completed	30/09/2021
72.	Chotila-2	1.70	4.00%	Completed	After 15 months from possession of land
73.	Wadhwan	12.10	0.00%	Completed	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

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
					STP.
74.	Dhangadhra	11.60	95.00%	Completed	28/02/2021
75.	Barwala	2.90	6.00%	Completed	09/07/2021
76.	Jasdan	8.80	Completed Under trial run	Completed	31/12/2020
77.	Harij	3.00	4.00%	Completed	31/12/2021
78.	Chanasma	2.50	0.00%	Completed	After 15 months from possession of land
79.	Ode	2.50	2.00%	Completed	09/09/2021
80.	Karjan	5.20	6.75%	Completed	09/12/2021
81.	Vadnagar	5.94	95.00%	Completed	31/12/2020
82.	Botad	32.00	86.00%	Completed	28/02/2021
83.	Morbi-2	9.30	87.60%	Completed	31/03/2021
84.	Jetpur	23.50	88.00%	Completed	31/01/2021
85.	Gondal	16.50	46.00%	Completed	30/06/2021
86.	Amreli	18.20	71.00%	Completed	31/05/2021
87.	Kalol	23.50	16.00%	Completed	31/03/2021
88.	Palanpur	21.30	3.00%	95%	31/03/2021
89.	Deesa	17.00	62.00%	Completed	31/03/2021
90.	Bharuch	29.32	79.00%	90%	31/03/2021
91.	Vapi-1	14.00	40.00%	Completed	31/03/2021
92.	Anand-3	6.50	80.00%	Completed	31/03/2021
93.	Porbandar-1	12.80	80.00%	Completed	31/03/2021
94.	Porbandar-2	19.10	90.00%	Completed	31/01/2021
95.	Damnagar	2.80	0.00%	Completed	11/02/2022
96.	Lathi	3.80	0.00%	Completed	11/02/2022
97.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1706.34			

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	Work to be Awarded	31/12/2022
2.	Vadodara Tarsali	48	DPR Stage	31/12/2022
3.	Vadodara Atladara	83	DPR Stage	31/12/2022
4.	Vadodara Gajarawadi	93	DPR Stage	31/12/2022
5.	GandhinagarSargasan	50	DPR Stage	31/12/2022
6.	Bhavnagar Akwada	19.2	Work order given	31/12/2022
7.	Jamnagar Nr Rangmati River	40	DPR Stage	31/12/2022
8.	Junagadh	15.50	DPR Stage	31/12/2022
9.	Junagadh	11.00	DPR Stage	31/12/2022
10.	Junagadh	29.50	DPR Stage	31/12/2022
11.	Balasinor	6.50	Work order given	23/01/2022
12.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
13.	Bhanvad	3.00	Under Tender evaluation	31/03/2022
14.	Savli	2.50	Under Tender evaluation	31/03/2022
15.	Visavadar	3.40	Under Tender evaluation	31/03/2022
16.	Rajpipla	5.02	Under Tender evaluation	31/03/2022
17.	Khambhat-1	6.80	Work order given	04/06/2022
18.	Khambhat-2	4.50	Work order given	04/06/2022
19.	Anklav	3.60	Work order given	04/03/2022
20.	Boriavi	3.30	Under Tender evaluation	31/03/2022
21.	Lunawada	5.60	Under Tender evaluation	31/03/2022
22.	Kanjari	3.30	Under Tender evaluation	31/03/2022
23.	Okha	10.10	Under Tender evaluation	31/03/2022
24.	Beyt (near Okha)	1.20	Under Tender	31/03/2022

			evaluation	
25.	Khambhalia	5.50	Under Tender evaluation	31/03/2022
26.	Salaya, Jamnagar	6.20	Under Tender evaluation	31/03/2022
27.	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
28.	Wankaner	5.80	Tender tobe invited	31/03/2022
29.	Chhaya	13.10	Under Tender evaluation	31/03/2022
30.	Palitana	10.81	Under Tender evaluation	31/03/2022
31.	MandviSurat	3.50	Under Tender evaluation	31/03/2022
32.	Thangadh	9.00	Work order given	07/06/2022
33.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
34.	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
35.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
36.	Babra	4.00	Tender tobe invited	31/12/2022
37.	Kodinar	5.60	Tender tobe invited	31/12/2022
38.	Sutrapada	4.00	Tender tobe invited	31/12/2022
39.	Talala	3.80	Tender tobe invited	31/12/2022
40.	Chorvad	3.70	Tender tobe invited	31/12/2022
41.	Halol	11.60	Tender tobe invited	31/12/2022
42.	Thasra	2.30	Tender tobe invited	31/12/2022
43.	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
44.	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
45.	Jamraval	2.60	Tender tobe invited	31/12/2022
46.	Dhrol	3.60	Tender tobe invited	31/12/2022
47.	Kalavad	3.60	Tender Online	31/12/2022
48.	Halvad	6.70	Under Tender evaluation	31/12/2022
49.	Maliya	2.50	Tender tobe invited	31/12/2022
50.	Kutiyana	2.90	Tender tobe invited	31/12/2022
51.	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
52.	Ranavav-2	4.50	Tender tobe invited	31/12/2022
53.	Dhoraji	12.90	Tender tobe invited	31/12/2022
54.	Bhayavadar	3.10	Tender tobe invited	31/12/2022
55.	Manavadar	4.90	Under Tender evaluation	31/12/2022
56.	Pethapur	3.80	Tender online (earlier tender rejected/ disqualified)	31/03/2022
57.	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
58.	Umargam	6.48	Under Tender	31/12/2022

			evaluation	
59.	Dabhoi	8.96	Under Tender evaluation	31/12/2022
60.	Sikka	2.90	Tender Online	31/12/2022
61.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
62.	Mahesana-1	23.18	Tender Online	31/03/2022
63.	Mahesana-2	18.46	Tender Online	31/03/2022
64.	Jafrabad	5.4	DPR/DTP stage	31/12/2022
65.	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
66.	Shihor	8.9	Tender tobe invited	31/12/2022
67.	Mangrol	9.6	DPR/DTP stage	31/12/2022
68.	Vanthli	2.2	DPR/DTP stage	31/12/2022
69.	Modasa	12.0	DPR/DTP stage	31/12/2022
70.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
71.	Songadh	4.5	Tender tobe invited	31/12/2022
72.	Pardi	4.6	Tender tobe invited	31/12/2022
73.	Karamsad	6.0	Tender tobe invited	31/12/2022
74.	Limdi	7.4	DPR/DTP stage	31/12/2022
75.	Bhachau	1.0	Tender tobe invited	31/12/2022
76.	Rapar	5.2	Tender tobe invited	31/12/2022
77.	Upleta	8.9	DPR/DTP stage	31/12/2022
78.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

Note: 1. Earlier at the time of submission of details regarding Proposed STPs of the State, the Sr.no. was inadvertently written as 80 actually it was 78 (Sr.No. 27 & 28 were skipped by mistake.

2. Work order for STPs at Sr.No. 6,11,17,18,19& 32 have been given

3. STP at Sr. No. 58 i.ePethapur STP of Gandhinagar District will henceforth be reflected along with the other STP of Gandhinagar District at Sr.No.5.

Details of 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
1.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
2.	GandhinagarBhat	30	DPR Stage	31/12/2022

[After addition of the above two newly proposed STPs, total number of proposed STPs in the state are 78 + 2 = 80]

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 December-2020:

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
01-12-2020	River Mindhola	5.1	7.57	1.3	19	45	540

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
01/10/2020	27	910	0.32	288.6	1850	8883	23	2.5	2.7	-	0.37	262.7	3.19	0.28	0.133	7.92	0.14	31	310	6	510	18000	17	62218	3	29	3

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
01/10/2020	22.8	110	0.95	22.04	128	548.4	25	2.5	4.93	-	0.41	20.67	0.56	0.09	8.05	0.197	1.92	19.19	4	19	140	20	382	3	29	2

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
01/10/2020	23.1	330	1.1	84.17	425	2114	19	2.5	4.8	-	0.17	77.82	0.56	0.108	7.69	0.298	7.4	73.99	8	96	530	11	1478	3	29	4

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 IrrigationPractices: • General Government practice of irrigation is maintained in command area of Ukai - kakrapar Project. • Farmers are made aware to use wateroptimally. • Canal system of Kakrapar Project are most of lined so as to minimize seepage losses. As suchnotwaterlogging issued noticed so far ln the command area of Ukai-Kakrapar project. 3. Detail on Flood Plain ManagementZone: • 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 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 CETPs
November-2020

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	556	SCN Dated 11/01/2021
		BOD	30	34	
2.	M/s. Gujarat VepariMaha Mandal SahkariUdhyogikVasahat Ltd, Ahmedabad	NH_3-N	50	89.88	--
3.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	COD	250	261	SCN Dated 11/01/2021
		BOD	30	36	
4.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	516	Legal notice issued
		BOD	30	57	
5.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	SS	100	242	--
6.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	424	--
7.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	162	Action under process
8.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar	COD	500	597	Action under process
		NH_3-N	50	116.48	
9.	M/s. CETP of Kejriwal Integrated Textile Park Ltd – KITPL	SS	<5	8	--
10	M/s. Gujarat Eco Textile Park Pvt Ltd, Palsana, Surat	SS	<60	68	Action under process
11	M/S of Bhatgam washing ghatsudhhikaranYojanaPvt. Ltd., Bhatgam, Rajkot	COD	100	264	NOD issued on 19/12/2020 CETP is under trial run
		BOD	30	85	
		SS	100	126	
12	M/s Jetpur Dying & Printing	COD	250	610	Action

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
	Association, Jetpur, Rajkot	BOD	100	190	under process CETP is under trial run
		SS	100	248	
13	M/s Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	270	Action under process CETP is under trial run

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 December – 2020.

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
- Capacity Utilization of existing STPs: 2739 MLD
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
- No. of Operational STPs: 72
- No. of Complying STPs: 24
- No. of Non-complying STPs: 21
- STPs under maintenance / modification: 1
- STPs not obtained CTE / CC&A of GPCB: 13
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 3
- Details of STPs not available: 1
- 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	Details are being prepared.

MLD:	
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste includeLandfillable, 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: 21, ➢ Non complying: 13 (Please refer Annexure VI) *(as per CM dash board data for **November-2020**, 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	170
Current municipal solid waste generation	10,798MT/Day
Number, installed capacity and utilization of existing	• There are total No. 755 of Plants for Vermi /

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	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: 36.42 MT/day
- No. of Hospitals and Health Care Facilities: 31286
- Status of Treatment Facility/ CBMWTF: Existing – 21, Proposed – 1

  Capacity – 126 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: 5 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 wasteinto 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:

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
1	Ahmedabad Pirana 2009	60	60	Operational	Not Complying
2	Ahmedabad Old Pirana 2004	106	106	Operational	Not Complying
3	Ahmedabad Pirana 2009	180	180	Operational	Not Complying
4	Ahmedabad Vasna 2004	126	126	Operational	Complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Not Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Complying
8	Ahmedabad Vasna 2018	48	48	Operational	Complying
9	Ahmedabad Jalvihar Vadaj 2019	60	60	Operational	Complying
10	Ahmedabad Vinzol 2020	35	30	Operational	Not Complying
11	Ahmedabad Arvind Mill	8	8	Operational	Complying
12	Ahmedabad Rasala	1	1	Operational	Complying
13	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
14	Ahmedabad V S Hospital	1	1	Operational	Complying
15	Ahmedabad Nikol	0.5	0.5	Operational	---
16	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
17	Ahmedabad Lambha	5	2	Operational	Complying
18	Surat Singanpore 2003/2014	155	147.58	Operational	Not Complying
19	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
	1999/2015				
20	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Not Complying
21	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
22	Surat Bamroli 2008/2019	100	77.9	Operational	Not Complying
23	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
24	Surat Khajod 2011	25	21.36	Operational	Not Complying
25	Surat Asarama 2011	15	19.23	Operational	Not Complying
26	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
27	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Not Complying
28	Surat Gavier 2016	53	15.37	Operational	Complying
29	Vadodara Tarsali	52	58	Operational	Not Complying
30	Vadodara Gajarawadi	66	72	Operational	Not Complying
31	Vadodara Kapurai	43	50	Operational	Not Complying
32	Vadodara Rajivnagar	78	32	Operational	Complying
33	Vadodara Sayaji garden	8.5	7	Operational	Under modification
34	Vadodara Channi	21	25	Operational	Not Complying
35	Vadodara Atladara (old)	43	51	Operational	Not Complying
36	Vadodara Atladara (new)	43	54	Operational	Complying
37	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
38	Gandhinagar Sargasan 2012-13	10	3	Operational	Complying
39	Gandhinagar Basan 2011-12	2	0.3	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
40	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
41	Rajkot Raiyadhar 2017	56	15	Operational	Not Obtained CTE & CCA
42	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not Obtained CTE & CCA
43	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying with the norms.
44	Rajkot Gavaridad 2018	70	30	Operational	Complying
45	Rajkot Madhapar 2019	80	20	Operational	Not Obtained CTE & CCA
46	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not Obtained CTE & CCA
47	Bhavnagar Behind Excel industries	45	40	Operational	Complying
48	Jamnagar Navagam Ghed	70	65	Operational	CCA renewal rejected for not meeting with the timeline of action plan submitted with CCA application.
49	Gandhidham - Anjar	30.00	22	Operational	Complying
50	Patan	25.00	13	Operational	Not Obtained CTE & CCA
51	Nadiad	51.26	20	Operational	Not Complying
52	Siddhpur	5.62	5	Operational	Oxidation pond
53	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
54	Sanand	20.50	0	Non - Operational	Under Trail Run
55	Himmatnagar	17.51	6	Operational	Complying
56	Petlad	10.37	8	Operational	Not Obtained CTE & CCA
57	Dholka	13.60	8	Operational	Not Complying
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

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
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	Not Obtained CTE & CCA
66	Godhra	27.60	4	Operational	Not Complying
67	Bhuj	23.70	19	Operational	Not complying
68	Bhachau	10	4	Operational	CCA expired, not applied for renewal.
69	Anand	33	9	Operational	Not Obtained CTE & CCA
70	Anand	13.5	2.5	Operational	Not Obtained CTE & CCA
71	Surendranagar	32.3	17	Operational	Not Obtained CTE & CCA
72	Valsad-1	20.2	2	Operational	CTE issued CCA yet not applied
73	Morbi	28.8	6	Operational	Complying
Total		3485.66	2738.72		

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	75%	Completed	30/06/2021
2.	Ahmedabad Pirana	155	80%	Completed	31/03/2021
3.	Ahmedabad Maleksaban	30	5%	Completed	31/12/2022
4.	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5.	Ahmedabad saijpur lake	07	5%	Completed	31/12/2022
6.	Surat Bhesan	100	95%	Completed	31/03/2021
7.	SuratSinganpore	100	88%	Completed	30/06/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
8.	SuratBhatar	115	58%	Completed	31/07/2021
9.	SuratBamroli	115	40%	Completed	30/04/2021
10.	SuratAsarma	22.5	15%	Completed	30/09/2021
11.	SuratKhajod	30	10%	Completed	30/09/2021
12.	Vadodara Kapurai	60	68%	75%	30/06/2021
13.	Vadodara Chhani	50	22%	Completed	31/12/2021
14.	Vadodara Bhayli	45	10%	Completed	28/02/2022
15.	Vadodara Sayaji garden	7.5	50%	Completed	30/06/2021
16.	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17.	Bhavnagar Axcel Industries	50	21%	Completed	31/05/2022
18.	JunagadhBilkha Road, Near CBSE School	8.2	25%	Completed	31/06/2021
19.	Rajula	5.70	0.00%	Completed	09/07/2021
20.	Bagasara	5.90	5.12%	Completed	09/07/2021
21.	Chalala	2.80	82.00%	Completed	12/04/2021
22.	Mahuva	16.30	37.61%	Completed	21/05/2021
23.	Talaja	5.80	50.00%	Completed	31/05/2021
24.	Una	11.70	81.00%	Completed	25/02/2021
25.	Bantva	2.60	80.25%	Completed	28/02/2021
26.	Dehgam	7.60	92.0%	Completed	28/02/2021
27.	Mansa	5.00	15.04%	Completed	24/05/2021
28.	Tharad	4.80	Completed Under Trail Run	Completed	31/12/2020
29.	Dhanera	4.00	25.00%	Completed	15/11/2021
30.	Bhabhar	3.50	25.00%	Completed	30/07/2021
31.	Thara	3.60	20.00%	Completed	15/11/2021
32.	Kadi	12.80	35.00%	Completed	05/09/2021
33.	Unjha	11.60	69.00%	Completed	31/05/2021
34.	Visnagar-1	12.00	86.00%	Completed	04/04/2021
35.	Visnagar-2	5.30	27.00%	Completed	04/04/2021
36.	Kheralu	2.90	35.00%	Completed	10/11/2021
37.	Vijapur	4.10	20.00%	Completed	10/11/2021
38.	Radhanpur	6.00	1.00%	98% (All civil	10/11/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
				work completed except 150 m rising main balanced due to local opposition)	
39.	Idar	7.40	83.00%	Completed	31/03/2021
40.	Khedbrahma	5.80	68.00%	Completed	11/03/2021
41.	Prantij	3.70	53.30%	Completed	31/03/2021
42.	Talod	3.60	0.00%	Completed	30/10/2021
43.	Vadali	3.80	0.00%	Completed	30/10/2021
44.	Jambusar	5.90	39.00%	Completed	08/10/2021
45.	Amod	3.10	10.00%	Completed	08/10/2021
46.	Bilimora	8.30	10.00%	Completed	04/03/2022
47.	Gandevi	2.60	7.00%	Completed	30/10/2021
48.	Bardoli	11.30	88.00%	Completed	08/03/2021
49.	KanakpurKansad	7.80	0.00%	Completed	After 18 months from possession of land
50.	Vyara	6.50	88.10%	Completed	31/03/2021
51.	nogapur	4.10	29.00%	Completed	30/04/2021
52.	Borsad	9.80	68.7%	Completed	30/04/2021
53.	Umreth	6.10	48.00%	Completed	30/08/2021
54.	Dahod	13.70	98.00%	Completed	Physical work completed, can be commissioned after power connection.
55.	Zalod	4.60	85.00%	Completed	31/03/2021
56.	Devgadhbariya	3.80	75.00%	Completed	31/03/2021
57.	Santrampur	2.91	25.00%	Completed	30/09/2021
58.	Kalol (P)	4.77	27.00%	Completed	30/09/2021
59.	Shehra	2.80	2.00%	Completed	30/09/2021
60.	Chhotaudepur	5.00	92.00%	Completed	28/02/2021
61.	Padra	5.60	63.90%	Completed	31/07/2021
62.	Viramgam	4.50	43.00%	Completed	30/05/2021
63.	Bavla	5.80	2.00%	Completed	31/12/2021
64.	Dhandhuka	7.50	86.70%	Completed	28/02/2021
65.	Bareja	3.10	61.00%	Completed	21/02/2021
66.	Chaklasi	4.90	0.00%	Completed	After 15 months from possession of land
67.	Kapadwanj	6.20	9.00%	Completed	31/12/2021
68.	Mehmdabad	5.60	38.00%	Completed	17/11/2021
69.	Dakor	4.90	0.00%	Completed	After 15 months from possession of

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
					land
70.	Kheda	5.20	32.00%	Completed	17/11/2021
71.	Chotila-1	2.30	4.00%	Completed	30/09/2021
72.	Chotila-2	1.70	4.00%	Completed	After 15 months from possession of land
73.	Wadhwan	12.10	0.00%	Completed	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.
74.	Dhangadhra	11.60	95.00%	Completed	28/02/2021
75.	Barwala	2.90	6.00%	Completed	09/07/2021
76.	Jasdan	8.80	Completed Under trial run	Completed	31/12/2020
77.	Harij	3.00	4.00%	Completed	31/12/2021
78.	Chanasma	2.50	0.00%	Completed	After 15 months from possession of land
79.	Ode	2.50	2.00%	Completed	09/09/2021
80.	Karjan	5.20	6.75%	Completed	09/12/2021
81.	Vadnagar	5.94	95.00%	Completed	31/12/2020
82.	Botad	32.00	86.00%	Completed	28/02/2021
83.	Morbi-2	9.30	87.60%	Completed	31/03/2021
84.	Jetpur	23.50	88.00%	Completed	31/01/2021
85.	Gondal	16.50	46.00%	Completed	30/06/2021

No.	Location	Capacity of the plant in MLD	Latest Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
86.	Amreli	18.20	71.00%	Completed	31/05/2021
87.	Kalol	23.50	16.00%	Completed	31/03/2021
88.	Palanpur	21.30	3.00%	95%	31/03/2021
89.	Deesa	17.00	62.00%	Completed	31/03/2021
90.	Bharuch	29.32	79.00%	90%	31/03/2021
91.	Vapi-1	14.00	40.00%	Completed	31/03/2021
92.	Anand-3	6.50	80.00%	Completed	31/03/2021
93.	Porbandar-1	12.80	80.00%	Completed	31/03/2021
94.	Porbandar-2	19.10	90.00%	Completed	31/01/2021
95.	Damnagar	2.80	0.00%	Completed	11/02/2022
96.	Lathi	3.80	0.00%	Completed	11/02/2022
97.	Keshod	13.30	0.00%	Completed	19/05/2022
Total		1706.34			

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	Work to be Awarded	31/12/2022
2.	Vadodara Tarsali	48	DPR Stage	31/12/2022
3.	Vadodara Atladara	83	DPR Stage	31/12/2022
4.	Vadodara Gajarawadi	93	DPR Stage	31/12/2022
5.	GandhinagarSargasan	50	DPR Stage	31/12/2022
6.	Bhavnagar Akwada	19.2	Work order given	31/12/2022
7.	Jamnagar Nr Rangmati River	40	DPR Stage	31/12/2022
8.	Junagadh	15.50	DPR Stage	31/12/2022
9.	Junagadh	11.00	DPR Stage	31/12/2022
10.	Junagadh	29.50	DPR Stage	31/12/2022
11.	Balasinor	6.50	Work order given	23/01/2022
12.	Vallabhipur	2.30	Under Tender evaluation	31/03/2022
13.	Bhanvad	3.00	Under Tender	31/03/2022

			evaluation	
14.	Savli	2.50	Under Tender evaluation	31/03/2022
15.	Visavadar	3.40	Under Tender evaluation	31/03/2022
16.	Rajpipla	5.02	Under Tender evaluation	31/03/2022
17.	Khambhat-1	6.80	Work order given	04/06/2022
18.	Khambhat-2	4.50	Work order given	04/06/2022
19.	Anklav	3.60	Work order given	04/03/2022
20.	Boriavi	3.30	Under Tender evaluation	31/03/2022
21.	Lunawada	5.60	Under Tender evaluation	31/03/2022
22.	Kanjari	3.30	Under Tender evaluation	31/03/2022
23.	Okha	10.10	Under Tender evaluation	31/03/2022
24.	Beyt (near Okha)	1.20	Under Tender evaluation	31/03/2022
25.	Khambhalia	5.50	Under Tender evaluation	31/03/2022
26.	Salaya, Jamnagar	6.20	Under Tender evaluation	31/03/2022
27.	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
28.	Wankaner	5.80	Tender tobe invited	31/03/2022
29.	Chhaya	13.10	Under Tender evaluation	31/03/2022
30.	Palitana	10.81	Under Tender evaluation	31/03/2022
31.	MandviSurat	3.50	Under Tender evaluation	31/03/2022
32.	Thangadh	9.00	Work order given	07/06/2022
33.	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
34.	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
35.	Vapi-2	29.53	DPR/DTP stage	31/03/2022
36.	Babra	4.00	Tender tobe invited	31/12/2022
37.	Kodinar	5.60	Tender tobe invited	31/12/2022
38.	Sutrapada	4.00	Tender tobe invited	31/12/2022
39.	Talala	3.80	Tender tobe invited	31/12/2022
40.	Chorvad	3.70	Tender tobe invited	31/12/2022
41.	Halol	11.60	Tender tobe invited	31/12/2022
42.	Thasra	2.30	Tender tobe invited	31/12/2022
43.	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022

44.	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
45.	Jamraval	2.60	Tender tobe invited	31/12/2022
46.	Dhrol	3.60	Tender tobe invited	31/12/2022
47.	Kalavad	3.60	Tender Online	31/12/2022
48.	Halvad	6.70	Under Tender evaluation	31/12/2022
49.	Maliya	2.50	Tender tobe invited	31/12/2022
50.	Kutiyana	2.90	Tender tobe invited	31/12/2022
51.	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
52.	Ranavav-2	4.50	Tender tobe invited	31/12/2022
53.	Dhoraji	12.90	Tender tobe invited	31/12/2022
54.	Bhayavadar	3.10	Tender tobe invited	31/12/2022
55.	Manavadar	4.90	Under Tender evaluation	31/12/2022
56.	Pethapur	3.80	Tender online (earlier tender rejected/ disqualified)	31/03/2022
57.	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
58.	Umargam	6.48	Under Tender evaluation	31/12/2022
59.	Dabhoi	8.96	Under Tender evaluation	31/12/2022
60.	Sikka	2.90	Tender Online	31/12/2022
61.	Valsad-2	15.00	DPR/DTP stage	31/03/2022
62.	Mahesana-1	23.18	Tender Online	31/03/2022
63.	Mahesana-2	18.46	Tender Online	31/03/2022
64.	Jafrabad	5.4	DPR/DTP stage	31/12/2022
65.	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
66.	Shihor	8.9	Tender tobe invited	31/12/2022
67.	Mangrol	9.6	DPR/DTP stage	31/12/2022
68.	Vanthli	2.2	DPR/DTP stage	31/12/2022
69.	Modasa	12.0	DPR/DTP stage	31/12/2022
70.	Tarsadi	5.8	DPR/DTP stage	31/12/2022
71.	Songadh	4.5	Tender tobe invited	31/12/2022
72.	Pardi	4.6	Tender tobe invited	31/12/2022
73.	Karamsad	6.0	Tender tobe invited	31/12/2022
74.	Limdi	7.4	DPR/DTP stage	31/12/2022
75.	Bhachau	1.0	Tender tobe invited	31/12/2022
76.	Rapar	5.2	Tender tobe invited	31/12/2022
77.	Upleta	8.9	DPR/DTP stage	31/12/2022
78.	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

Note: 1. Earlier at the time of submission of details regarding Proposed STPs of the State, the Sr.no. was inadvertently written as 80 actually it was 78 (Sr.No. 27 & 28 were skipped by mistake.

2. **Work order for STPs at Sr.No. 6,11,17,18,19& 32 have been given**

3. **STP at Sr. No. 58 i.ePethapur STP of Gandhinagar District will henceforth be reflected along with the other STP of Gandhinagar District at Sr.No.5.**

Details of 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
1.	Ahmedabad Koteshwar	60	Tender to be invited	31/12/2022
2.	GandhinagarBhat	30	DPR Stage	31/12/2022

[After addition of the above two newly proposed STPs, total number of proposed STPs in the state are 78 + 2 = 80]

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 December-2020:

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
Dec -20	NTPC Zanor	7.48	8.20	1.08	12	21	70
	Zadeshwar	7.32	8.10	1.03	12	70	210
	Garudeshwar	7.24	8.05	0.68	5	14	48

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 lacated at village Garudeshwar 12.10 Km D/S of SSP Canal at completion stage. 2. Detail of Good IrrigationPractices: • General Government practice of irrigation is maintained in command area of SardarSarovar Narmada Project • Farmers are made aware to use water optimally • Canal system of SardarSarovarNaramada 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 SardarSarovar Narmada Project. 3. Detail on Flood Plain ManagementZone: • 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 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 CETPs
November-2020

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
1.	M/s. The Green Environment Services Co. Op. Society Ltd, Vatva, Ahmedabad	COD	250	556	SCN Dated 11/01/2021
		BOD	30	34	
2.	M/s. Gujarat VepariMaha Mandal SahkariUdhyogikVasahat Ltd, Ahmedabad	NH_3-N	50	89.88	--
3.	M/s. Odhav Green Enviro Project Association, Odhav, Ahmedabad	COD	250	261	SCN Dated 11/01/2021
		BOD	30	36	
4.	M/s. Naroda Enviro Project Ltd., Naroda, Ahmedabad	COD	250	516	Legal notice issued
		BOD	30	57	
5.	M/s. Narol Dyestuff Enviro Society., Narol, Ahmedabad	SS	100	242	--
6.	M/s. Bavla Eco Project Ltd., Bavla, Ahmedabad	COD	250	424	--
7.	M/s. Nandesari Industrial Association (CETP), GIDC-Nandesari, Vadodara	SS	100	162	Action under process
8.	M/s. Narmada Clean Tech Ltd., (Bharuch Eco-Aqua Infrastructure Ltd.,) (BEAIL), Ankleshwar	COD	500	597	Action under process
		NH_3-N	50	116.48	
9.	M/s. CETP of Kejriwal Integrated Textile Park Ltd – KITPL	SS	<5	8	--
10	M/s. Gujarat Eco Textile Park Pvt Ltd, Palsana, Surat	SS	<60	68	Action under process
11	M/S of Bhatgam washing ghatsudhhikaranYojanaPvt. Ltd., Bhatgam, Rajkot	COD	100	264	NOD issued on 19/12/2020 CETP is under trial run
		BOD	30	85	
		SS	100	126	
12	M/s Jetpur Dying & Printing	COD	250	610	Action

Sr. No.	Name of CETP	Non-Complying parameters	Limit as per consent, mg/L	Result of November-2020, mg/L	Action taken
	Association, Jetpur, Rajkot	BOD	100	190	under process CETP is under trial run
		SS	100	248	
13	M/s Shri Dhareshwar GIDC Vistar Association, Dhareshwar, Rajkot	COD	100	270	Action under process CETP is under trial run