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 November – 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: 31
- No. of Non-complying STPs: 17
- Partially complying STPs: 5
- STPs under maintenance / modification: 2
- STPs not obtained CTE / CC&A of GPCB: 2
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 4
- Details of STPs not available: 3
- 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: 23, ➢ Non complying: 11 *(as per CM dash board data for September-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 (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. 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 9th RRC meeting held on 27.11.2020.	
XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:
Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms. STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.	
XXIV.	Regulation of Mining Activities in the State/UT:
Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.	
XXV.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring
• Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 . • Number of closure directions to defaulting units under section 31 A of Air Act – 1981: 5703 respectively. • Number of notice of directions to defaulting units under section 33 A of Water Act – 1974: 17263. • Number of closure directions to defaulting units under section 33 A of Water Act – 1974: 11383. • Number of notice of directions under rule 4(2) of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 4130 • Number of closure directions under section 5 of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 1583 (As per Annual report – 2018-19)	

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

RRC meetings:

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

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

STPs:

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. • Work for management of sewage, from villages being discharged in to the 6 PRS, has been assigned to GWSSB during the meeting held on 22/10/2020 under the chairmanship of Additional Chief Secretary, Panchayat. With reference to the instructions giving during the 9th RRC meeting held on 27/11/2020, PRHRDD vide letter dated 09/12/2020asked GWSSB to submit preliminary report comprising of details like strategy for management of sewage from villages along the 6 PRS (i.e individual or cluster based approach), expected cost & timeline for completion and other relevant details.

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 (as on 19.12.20)
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	Not complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Not 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 Naroda AUDA	7	7	Operational	
13	Ahmedabad Rasala	1	1	Operational	Complying
14	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
15	Ahmedabad V S Hospital	1	1	Operational	Complying
16	Ahmedabad Nikol	0.5	0.5	Operational	
17	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
18	Ahmedabad Lambha	5	2	Operational	Not Complying
19	Surat Singanpore 2003/2014	155	147.58	Operational	Complying
20	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	1999/2015				
21	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Complying
22	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
23	Surat Bamroli 2008/2019	100	77.9	Operational	Complying
24	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
25	Surat Khajod 2011	25	21.36	Operational	Complying
26	Surat Asarama 2011	15	19.23	Operational	Complying
27	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
28	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Complying
29	Surat Gavier 2016	53	5.37	Operational	Complying
30	Vadodara Tarsali	52	58	Operational	Not complying
31	Vadodara Gajarawadi	66	72	Operational	Partially complying
32	Vadodara Kapurai	43	50	Operational	Not complying
33	Vadodara Rajivnagar	78	32	Operational	Partially complying
34	Vadodara Sayaji garden	8.5	7	Operational	Under Modification
35	Vadodara Channi	21	25	Operational	Partially complying
36	Vadodara Atladara (old)	43	51	Operational	Partially complying
37	Vadodara Atladara (new)	43	54	Operational	Partially complying
38	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
39	Gandhinagar Sargasan 2012-13	10	3	Operational	Not complying
40	Gandhinagar Basan 2011-12	2	0.3	Operational	Not complying
41	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
42	Rajkot	56	15	Operational	Not complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	Raiyadhar 2017				
43	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not complying
44	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying
45	Rajkot Gavaridad 2018	70	30	Operational	Complying
46	Rajkot Madhapar 2019	80	20	Operational	Not Complying
47	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not obtained CTE
48	Bhavnagar Behind Excel industries	45	40	Operational	Complying
49	Jamnagar Navagam Ghed	70	65	Operational	Complying
50	Gandhidham - Anjar	30.00	22	Operational	Complying
51	Patan	25.00	13	Operational	Complying
52	Nadiad	51.26	20	Operational	Not complying
53	Siddhpur	5.62	5	Operational	Oxidation pond
54	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
55	Sanand	20.50	0	Non -Operational Under trial run	
56	Himmatnagar	17.51	6	Operational	Complying
57	Petlad	10.37	8	Operational	Complying
58	Dholka	13.60	8	Operational	STP was found under maintenance during the last visit, before that STP was complying with the norms.
59	Savarkundla	13.90	5	Operational	Oxidation pond
60	Gadhda	6.50	2	Operational	Oxidation pond
61	Kathlal	3.80	2.59	Operational	Oxidation pond
62	Mahudha	2.10	1.76	Operational	Oxidation pond
63	Bayad	4.00	2.06	Operational	Oxidation pond

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
64	Patadi	2.80	1.33	Operational	Oxidation pond
65	Sojitra	2.30	2	Operational	Oxidation pond
66	Dwarka	7.50	2.28	Operational	Not obtained CTE & CC&A
67	Godhra	27.60	4	Operational	Complying
68	Bhuj	23.70	19	Operational	Not Complying
69	Bhachau	10	4	Operational	
70	Anand	33	9	At commissioning stage	
71	Anand	13.5	2.5	Just been commissioned and yet to be visited.	
72	Surendranagar	32.3	17	Operational	Under final stage of Trial. Not obtained CTE & CC&A of the GPCB.
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	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ahmedabad Vinzol	100	70%	Completed	30/06/2021
2	Ahmedabad Pirana	155	78%	Completed	31/03/2021
3	Ahmedabad Maleksaban	30	01%	Completed	31/12/2022
4	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5	Ahmedabad saijpur lake	07	01%	Completed	31/12/2022

6	Surat Bhesan	100	90%	Completed	31/03/2021
7	Surat Singanpore	100	82%	Completed	30/06/2021
8	Surat Bhatar	115	56%	Completed	31/07/2021
9	Surat Bamroli	115	34%	Completed	30/04/2021
10	Surat Asarma	22.5	11%	Completed	30/09/2021
11	Surat Khajod	30	06%	Completed	30/09/2021
12	Vadodara Kapurai	60	66%	70%	30/06/2021
13	Vadodara Chhani	50	15%	Completed	31/12/2021
14	Vadodara Bhayli	45	08%	Completed	28/02/2022
15	Vadodara Sayaji garden	7.5	30%	Completed	30/06/2021
16	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17	Bhavnagar Axcel Industries	50	20%	Completed	31/05/2022
18	Junagadh Bilkha Road, Near CBSE School	8.2	20%	Completed	31/03/2021
19	Rajula	5.70	0.00%	Completed	09/07/2021
20	Bagasara	5.90	5.00%	Completed	09/07/2021
21	Chalala	2.80	78.00%	Completed	12/04/2021
22	Mahuva	16.30	30.00%	Completed	21/01/2021
23	Talaja	5.80	21.00%	Completed	31/12/2020
24	Una	11.70	46.00%	Completed	25/02/2021
25	Bantva	2.60	66.00%	Completed	31/12/2020
26	Dehgam	7.60	75.00%	Completed	31/03/2021
27	Mansa	5.00	13.00%	Completed	30/04/2021
28	Tharad	4.80	95.00%	Completed	31/12/2020
29	Dhanera	4.00	17.00%	Completed	31/03/2022
30	Bhabhar	3.50	25.00%	Completed	31/12/2021
31	Thara	3.60	14.00%	Completed	31/12/2021
32	Kadi	12.80	8.00%	Completed	28/07/2021
33	Unjha	11.60	48.00%	Completed	22/05/2021

34	Visnagar-1	12.00	75.00%	Completed	04/04/2021
35	Visnagar-2	5.30	14.00%	Completed	04/04/2021
36	Kheralu	2.90	26.00%	Completed	27/06/2021
37	Vijapur	4.10	5.00%	Completed	27/06/2021
38	Radhanpur	6.00	1.00%	98%	31/03/2022
39	Idar	7.40	63.00%	Completed	31/12/2020
40	Khedbrahma	5.80	37.00%	Completed	31/12/2020
41	Prantij	3.70	26.00%	Completed	31/12/2020
42	Talod	3.60	0.00%	Completed	12/05/2021
43	Vadali	3.80	0.00%	Completed	12/05/2021
44	Jambusar	5.90	32.00%	Completed	30/09/2021
45	Amod	3.10	1.00%	Completed	30/09/2021
46	Billimora	8.30	0.00%	Completed	31/12/2021
47	Gandevi	2.60	5.00%	Completed	05/03/2021
48	Bardoli	11.30	60.00%	Completed	31/12/2020
49	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
50	Vyara	6.50	72.00%	Completed	31/12/2020
51	Dharampur	4.10	25.00%	Completed	30/09/2021
52	Borsad	9.80	60.00%	Completed	31/12/2020
53	Umreth	6.10	29.00%	Completed	30/06/2021
54	Dahod	13.70	95.00%	Completed	31/12/2020
55	Zalod	4.60	75.00%	Completed	31/12/2020
56	Devgadhbariya	3.80	66.00%	Completed	31/03/2021
57	Santrampur	2.91	5.00%	Completed	31/03/2021
58	Kalol (P)	4.77	5.00%	Completed	04/04/2021
59	Shehra	2.80	0.00%	Completed	04/05/2021
60	Chhotaudepur	5.00	79.00%	Completed	31/12/2020
61	Padra	5.60	40.00%	Completed	02/03/2021
62	Viramgam	4.50	18.00%	Completed	30/05/2021
63	Bavla	5.80	2.00%	Completed	31/12/2021
64	Dhandhuka	7.50	81.00%	Completed	28/02/2021
65	Bareja	3.10	40.00%	Completed	21/02/2021
66	Chaklasi	4.90	0.00%	Completed	31/03/2022
67	Kapadwanj	6.20	0.00%	Completed	30/06/2021
68	Mehmdabad	5.60	36.00%	Completed	30/06/2021
69	Dakor	4.90	0.00%	Completed	30/06/2021
70	Kheda	5.20	5.00%	Completed	30/06/2021
71	Chotila-1	2.30	0.00%	Completed	31/03/2021
72	Chotila-2	1.70	0.00%	Completed	31/03/2021
73	Wadhwan	12.10	0.00%	Completed	31/03/2022
74	Dhangadhra	11.60	83.00%	Completed	28/02/2021
75	Barwala	2.90	6.00%	Completed	09/07/2021
76	Jasdan	8.80	95.00%	Completed	31/12/2020
77	Harij	3.00	0.00%	Completed	15/05/2021
78	Chanasma	2.50	0.00%	Completed	15/05/2021
79	Ode	2.50	0.00%	Completed	09/09/2021
80	Karjan	5.20	0.00%	Completed	14/06/2021

81	Vadnagar	5.94	95.00%	Completed	31/12/2020
82	Botad	32.00	86.00%	Completed	11/12/2020
83	Morbi-2	9.30	84.00%	Completed	31/12/2020
84	Jetpur	23.50	83.00%	Completed	31/12/2020
85	Gondal	16.50	43.00%	Completed	31/03/2021
86	Amreli	18.20	71.00%	Completed	31/12/2020
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%	31/12/2020
91	Vapi-1	14.00	40.00%	Completed	31/12/2020
92	Anand-3	6.50	80.00%	Completed	31/12/2020
93	Porbandar-1	12.80	80.00%	Completed	31/12/2020
94	Porbandar-2	19.10	90.00%	Completed	31/12/2020
95	Damnagar	2.80	0.00%	Completed	31/12/2021
96	Lathi	3.80	0.00%	Completed	31/12/2021
97	Keshod	13.30	0.00%	Completed	31/12/2021
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	Gandhinagar Sargasan	50	DPR Stage	31/12/2022
6	Bhavnagar Akwada	19.2	Work to be Awarded	31/12/2022
7	Jamnagar NrRangmati 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	Under Tender evaluation	31/12/2021
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	Under Tender evaluation	31/03/2022
18	Khambhat-2	4.50	Under Tender evaluation	31/03/2022
19	Anklav	3.60	Under Tender evaluation	31/03/2022
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
29	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
30	Wankaner	5.80	Tender tobe invited	31/03/2022
31	Chhaya	13.10	Under Tender evaluation	31/03/2022
32	Palitana	10.81	Under Tender evaluation	31/03/2022
33	Mandvi Surat	3.50	Under Tender evaluation	31/03/2022
34	Thangadh	9.00	Under Tender evaluation	31/03/2022
35	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
36	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
37	Vapi-2	29.53	DPR/DTP stage	31/03/2022
38	Babra	4.00	Tender tobe invited	31/12/2022
39	Kodinar	5.60	Tender tobe invited	31/12/2022
40	Sutrapada	4.00	Tender tobe invited	31/12/2022
41	Talala	3.80	Tender tobe invited	31/12/2022
42	Chorvad	3.70	Tender tobe invited	31/12/2022
43	Halol	11.60	Tender tobe invited	31/12/2022
44	Thasra	2.30	Tender tobe invited	31/12/2022
45	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
46	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
47	Jamraval	2.60	Tender tobe invited	31/12/2022
48	Dhrol	3.60	Tender tobe invited	31/12/2022
49	Kalavad	3.60	Tender Online	31/12/2022
50	Halvad	6.70	Under Tender evaluation	31/12/2022
51	Maliya	2.50	Tender tobe invited	31/12/2022
52	Kutiyana	2.90	Tender tobe invited	31/12/2022
53	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
54	Ranavav-2	4.50	Tender tobe invited	31/12/2022
55	Dhoraji	12.90	Tender tobe invited	31/12/2022
56	Bhayavadar	3.10	Tender tobe invited	31/12/2022
57	Manavadar	4.90	Under Tender evaluation	31/12/2022
58	Pethapur	3.80	Under Tender evaluation	31/12/2022
59	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
60	Umargam	6.48	Under Tender evaluation	31/12/2022
61	Dabhoi	8.96	Under Tender evaluation	31/12/2022

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

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 November-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	7.40	12	49	920	140
1980	32618	Pungam	BDL	7.41	7	59	--	94

Annexure-II (B)

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

Location ID	Name of Location	Parameter										* HM- NA-Not Analyzed till date
		pH	BOD (mg/l)	COD (mg/l)	Cu mg/l	T.Cr. mg/l	H.Cr. mg/l	Fe mg/l	Pb mg/l	Mn mg/l	Ni mg/l	Zn mg/l
50634	Gujarat Gas Office, Umervada	7.96	0.91	6	In process	In process	BDL	In process	In process	--	In process	In process
50635	Vill. Juna Pungam	8.00	0.70	5	In process	In process	BDL	In process	In process	--	In process	In process
	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 Ankleshwar Valia Chokdi	Ankleshwar GIDC STP w/w stream/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 Surti Bhagor drain	Surti Bhagor drain	0.05	0

Annexure-II (D)

STP & CETP results:

STP Results: Not Applicable

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

Annexure-III

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

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

Annexure-IV

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

Stretch/ River	**Existing plantation / vegetation cover details**	**Proposed plan to cover remaining gap along river/river stretch**	**Time limit**	**Remarks**
Amla kahdi (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

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	620.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**643.68**	**250**	**790.4**

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 November – 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: 31
- No. of Non-complying STPs: 17
- Partially complying STPs: 5
- STPs under maintenance / modification: 2
- STPs not obtained CTE / CC&A of GPCB: 2
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 4
- Details of STPs not available: 3
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**

  Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 23, ➢ Non complying: 11 *(as per CM dash board data for September-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 (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.:- 673/2018 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 9th RRC meeting held on 27.11.2020.	
XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:

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

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

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

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

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

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

(As per Annual report – 2018-19)

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

RRC meetings:

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

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

STPs:

Sr. No.	Proposed STP details	Status
1.	STP Jetpur - Navagadh Nagarpalica (23.5 MLD):	• - STP civil work 85 % completed, Plant machinery has reached on site. Expected work completion up to January-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

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 (as on 19.12.20)
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	Not complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Not 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 Naroda AUDA	7	7	Operational	
13	Ahmedabad Rasala	1	1	Operational	Complying
14	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
15	Ahmedabad V S Hospital	1	1	Operational	Complying
16	Ahmedabad Nikol	0.5	0.5	Operational	
17	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
18	Ahmedabad Lambha	5	2	Operational	Not Complying
19	Surat Singanpore 2003/2014	155	147.58	Operational	Complying
20	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	1999/2015				
21	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Complying
22	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
23	Surat Bamroli 2008/2019	100	77.9	Operational	Complying
24	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
25	Surat Khajod 2011	25	21.36	Operational	Complying
26	Surat Asarama 2011	15	19.23	Operational	Complying
27	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
28	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Complying
29	Surat Gavier 2016	53	5.37	Operational	Complying
30	Vadodara Tarsali	52	58	Operational	Not complying
31	Vadodara Gajarawadi	66	72	Operational	Partially complying
32	Vadodara Kapurai	43	50	Operational	Not complying
33	Vadodara Rajivnagar	78	32	Operational	Partially complying
34	Vadodara Sayaji garden	8.5	7	Operational	Under Modification
35	Vadodara Channi	21	25	Operational	Partially complying
36	Vadodara Atladara (old)	43	51	Operational	Partially complying
37	Vadodara Atladara (new)	43	54	Operational	Partially complying
38	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
39	Gandhinagar Sargasan 2012-13	10	3	Operational	Not complying
40	Gandhinagar Basan 2011-12	2	0.3	Operational	Not complying
41	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
42	Rajkot	56	15	Operational	Not complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	Raiyadhar 2017				
43	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not complying
44	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying
45	Rajkot Gavaridad 2018	70	30	Operational	Complying
46	Rajkot Madhapar 2019	80	20	Operational	Not Complying
47	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not obtained CTE
48	Bhavnagar Behind Excel industries	45	40	Operational	Complying
49	Jamnagar Navagam Ghed	70	65	Operational	Complying
50	Gandhidham - Anjar	30.00	22	Operational	Complying
51	Patan	25.00	13	Operational	Complying
52	Nadiad	51.26	20	Operational	Not complying
53	Siddhpur	5.62	5	Operational	Oxidation pond
54	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
55	Sanand	20.50	0	Non -Operational Under trial run	
56	Himmatnagar	17.51	6	Operational	Complying
57	Petlad	10.37	8	Operational	Complying
58	Dholka	13.60	8	Operational	STP was found under maintenance during the last visit, before that STP was complying with the norms.
59	Savarkundla	13.90	5	Operational	Oxidation pond
60	Gadhda	6.50	2	Operational	Oxidation pond
61	Kathlal	3.80	2.59	Operational	Oxidation pond
62	Mahudha	2.10	1.76	Operational	Oxidation pond
63	Bayad	4.00	2.06	Operational	Oxidation pond

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
64	Patadi	2.80	1.33	Operational	Oxidation pond
65	Sojitra	2.30	2	Operational	Oxidation pond
66	Dwarka	7.50	2.28	Operational	Not obtained CTE & CC&A
67	Godhra	27.60	4	Operational	Complying
68	Bhuj	23.70	19	Operational	Not Complying
69	Bhachau	10	4	Operational	
70	Anand	33	9	At commissioning stage	
71	Anand	13.5	2.5	Just been commissioned and yet to be visited.	
72	Surendranagar	32.3	17	Operational	Under final stage of Trial. Not obtained CTE & CC&A of the GPCB.
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	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ahmedabad Vinzol	100	70%	Completed	30/06/2021
2	Ahmedabad Pirana	155	78%	Completed	31/03/2021
3	Ahmedabad Maleksaban	30	01%	Completed	31/12/2022
4	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5	Ahmedabad saijpur lake	07	01%	Completed	31/12/2022
6	Surat Bhesan	100	90%	Completed	31/03/2021
7	Surat Singanpore	100	82%	Completed	30/06/2021
8	Surat Bhatar	115	56%	Completed	31/07/2021
9	Surat Bamroli	115	34%	Completed	30/04/2021
10	Surat Asarma	22.5	11%	Completed	30/09/2021

11	Surat Khajod	30	06%	Completed	30/09/2021
12	Vadodara Kapurai	60	66%	70%	30/06/2021
13	Vadodara Chhani	50	15%	Completed	31/12/2021
14	Vadodara Bhayli	45	08%	Completed	28/02/2022
15	Vadodara Sayaji garden	7.5	30%	Completed	30/06/2021
16	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17	Bhavnagar Axcel Industries	50	20%	Completed	31/05/2022
18	Junagadh Bilkha Road, Near CBSE School	8.2	20%	Completed	31/03/2021
19	Rajula	5.70	0.00%	Completed	09/07/2021
20	Bagasara	5.90	5.00%	Completed	09/07/2021
21	Chalala	2.80	78.00%	Completed	12/04/2021
22	Mahuva	16.30	30.00%	Completed	21/01/2021
23	Talaja	5.80	21.00%	Completed	31/12/2020
24	Una	11.70	46.00%	Completed	25/02/2021
25	Bantva	2.60	66.00%	Completed	31/12/2020
26	Dehgam	7.60	75.00%	Completed	31/03/2021
27	Mansa	5.00	13.00%	Completed	30/04/2021
28	Tharad	4.80	95.00%	Completed	31/12/2020
29	Dhanera	4.00	17.00%	Completed	31/03/2022
30	Bhabhar	3.50	25.00%	Completed	31/12/2021
31	Thara	3.60	14.00%	Completed	31/12/2021
32	Kadi	12.80	8.00%	Completed	28/07/2021
33	Unjha	11.60	48.00%	Completed	22/05/2021
34	Visnagar-1	12.00	75.00%	Completed	04/04/2021
35	Visnagar-2	5.30	14.00%	Completed	04/04/2021
36	Kheralu	2.90	26.00%	Completed	27/06/2021
37	Vijapur	4.10	5.00%	Completed	27/06/2021
38	Radhanpur	6.00	1.00%	98%	31/03/2022
39	Idar	7.40	63.00%	Completed	31/12/2020
40	Khedbrahma	5.80	37.00%	Completed	31/12/2020
41	Prantij	3.70	26.00%	Completed	31/12/2020
42	Talod	3.60	0.00%	Completed	12/05/2021
43	Vadali	3.80	0.00%	Completed	12/05/2021
44	Jambusar	5.90	32.00%	Completed	30/09/2021
45	Amod	3.10	1.00%	Completed	30/09/2021
46	Billimora	8.30	0.00%	Completed	31/12/2021
47	Gandevi	2.60	5.00%	Completed	05/03/2021
48	Bardoli	11.30	60.00%	Completed	31/12/2020
49	Kanakpur	7.80	0.00%	Completed	31/03/2022

	Kansad				
50	Vyara	6.50	72.00%	Completed	31/12/2020
51	Dharampur	4.10	25.00%	Completed	30/09/2021
52	Borsad	9.80	60.00%	Completed	31/12/2020
53	Umreth	6.10	29.00%	Completed	30/06/2021
54	Dahod	13.70	95.00%	Completed	31/12/2020
55	Zalod	4.60	75.00%	Completed	31/12/2020
56	Devgadhbariya	3.80	66.00%	Completed	31/03/2021
57	Santrampur	2.91	5.00%	Completed	31/03/2021
58	Kalol (P)	4.77	5.00%	Completed	04/04/2021
59	Shehra	2.80	0.00%	Completed	04/05/2021
60	Chhotaudepur	5.00	79.00%	Completed	31/12/2020
61	Padra	5.60	40.00%	Completed	02/03/2021
62	Viramgam	4.50	18.00%	Completed	30/05/2021
63	Bavla	5.80	2.00%	Completed	31/12/2021
64	Dhandhuka	7.50	81.00%	Completed	28/02/2021
65	Bareja	3.10	40.00%	Completed	21/02/2021
66	Chaklasi	4.90	0.00%	Completed	31/03/2022
67	Kapadwanj	6.20	0.00%	Completed	30/06/2021
68	Mehmdabad	5.60	36.00%	Completed	30/06/2021
69	Dakor	4.90	0.00%	Completed	30/06/2021
70	Kheda	5.20	5.00%	Completed	30/06/2021
71	Chotila-1	2.30	0.00%	Completed	31/03/2021
72	Chotila-2	1.70	0.00%	Completed	31/03/2021
73	Wadhwan	12.10	0.00%	Completed	31/03/2022
74	Dhangadhra	11.60	83.00%	Completed	28/02/2021
75	Barwala	2.90	6.00%	Completed	09/07/2021
76	Jasdan	8.80	95.00%	Completed	31/12/2020
77	Harij	3.00	0.00%	Completed	15/05/2021
78	Chanasma	2.50	0.00%	Completed	15/05/2021
79	Ode	2.50	0.00%	Completed	09/09/2021
80	Karjan	5.20	0.00%	Completed	14/06/2021
81	Vadnagar	5.94	95.00%	Completed	31/12/2020
82	Botad	32.00	86.00%	Completed	11/12/2020
83	Morbi-2	9.30	84.00%	Completed	31/12/2020
84	Jetpur	23.50	83.00%	Completed	31/12/2020
85	Gondal	16.50	43.00%	Completed	31/03/2021
86	Amreli	18.20	71.00%	Completed	31/12/2020
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%	31/12/2020
91	Vapi-1	14.00	40.00%	Completed	31/12/2020
92	Anand-3	6.50	80.00%	Completed	31/12/2020
93	Porbandar-1	12.80	80.00%	Completed	31/12/2020
94	Porbandar-2	19.10	90.00%	Completed	31/12/2020
95	Damnagar	2.80	0.00%	Completed	31/12/2021

96	Lathi	3.80	0.00%	Completed	31/12/2021
97	Keshod	13.30	0.00%	Completed	31/12/2021
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	Gandhinagar Sargasan	50	DPR Stage	31/12/2022
6	Bhavnagar Akwada	19.2	Work to be Awarded	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	Under Tender evaluation	31/12/2021
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	Under Tender evaluation	31/03/2022
18	Khambhat-2	4.50	Under Tender evaluation	31/03/2022
19	Anklav	3.60	Under Tender evaluation	31/03/2022
20	Boriavi	3.30	Under Tender	31/03/2022

			evaluation	
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
29	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
30	Wankaner	5.80	Tender tobe invited	31/03/2022
31	Chhaya	13.10	Under Tender evaluation	31/03/2022
32	Palitana	10.81	Under Tender evaluation	31/03/2022
33	Mandvi Surat	3.50	Under Tender evaluation	31/03/2022
34	Thangadh	9.00	Under Tender evaluation	31/03/2022
35	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
36	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
37	Vapi-2	29.53	DPR/DTP stage	31/03/2022
38	Babra	4.00	Tender tobe invited	31/12/2022
39	Kodinar	5.60	Tender tobe invited	31/12/2022
40	Sutrapada	4.00	Tender tobe invited	31/12/2022
41	Talala	3.80	Tender tobe invited	31/12/2022
42	Chorvad	3.70	Tender tobe invited	31/12/2022
43	Halol	11.60	Tender tobe invited	31/12/2022
44	Thasra	2.30	Tender tobe invited	31/12/2022
45	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
46	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
47	Jamraval	2.60	Tender tobe invited	31/12/2022
48	Dhrol	3.60	Tender tobe invited	31/12/2022
49	Kalavad	3.60	Tender Online	31/12/2022
50	Halvad	6.70	Under Tender evaluation	31/12/2022
51	Maliya	2.50	Tender tobe invited	31/12/2022
52	Kutiyana	2.90	Tender tobe invited	31/12/2022
53	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
54	Ranavav-2	4.50	Tender tobe invited	31/12/2022
55	Dhoraji	12.90	Tender tobe invited	31/12/2022

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

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 November-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	4.1	7.73	2.9	18.4	** TC & FC parameters not analyzed due to Renovation work of Rajkot Laboratory	

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	01/11/2020	Sample not collected because premises was found closed(Locked condition) several times			

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	Sarang Nallah	0.5	0.1
3	Behind Gondra area	2	1
4	Behind Kabrastan	00	00
5	Near railway bridge	00	00
6	Maghedi Vokda	00	00

Annexure-II(D)

STP & CETP results. (November - 2020)

Sr. No.	Name of STP/CETP	Discharge Norms		November-2020 Results	
1	CETP of Jetpur Dyeing & Printing Association (PCB ID-19722)	DO (mg/l)	--	DO (mg/l)	--
		pH	6.5 to 9	pH	7.68
		BOD (mg/l)	100	BOD (mg/l)	190
		COD (mg/l)	250	COD (mg/l)	610
		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	7.21
		BOD (mg/l)	30	BOD (mg/l)	80
		COD (mg/l)	100	COD (mg/l)	270
		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	7.32
		BOD (mg/l)	30	BOD (mg/l)	167
		COD (mg/l)	--	COD (mg/l)	514
		Total coliform (MPN/ 100ml)	-	Total coliform (MPN/ 100ml)	--
		Fecal coliform (MPN/100 ml)	< 1000	Fecal coliform (MPN/100 ml)	---

Annexure-III

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

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

Annexure-IV

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

Stretch/ River	Existing plantation / vegetation cover details	Proposed plan to cover remaining gap along river/river stretch	Time limit	Remarks
Bhadar	Vegetation Cover is scattered and scanty covered by Thorny trees with Dry deciduous vegetation Prosopios juliflora, Azadirachta aindica About 91% is covered with such scartly 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

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	620.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**643.68**	**250**	**790.4**

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 November – 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: 31
- No. of Non-complying STPs: 17
- Partially complying STPs: 5
- STPs under maintenance / modification: 2
- STPs not obtained CTE / CC&A of GPCB: 2
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 4
- Details of STPs not available: 3
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 23, ➢ Non complying: 11 *(as per CM dash board data for September-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 (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. 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 9th RRC meeting held on 27.11.2020.	

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

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

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

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

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

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

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

(As per Annual report – 2018-19)

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

RRC meetings:

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

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

STPs:

Sr. No.	Proposed STP details	Status
1.	Surendranagar (32.3 MLD STP)	Work physically completed (100%). Testing is in progress.
2.	Wadhwan 12.1 MLD STP	Land for STP allotted on date 18/06/2020 (which is 683 days from the LOI date, i.e. 06/08/2018). Opposition of local residence for construction of STP. Chief Officer demanded to lay only rising main connecting Wadhwan to Surendranagar STP which is implemented by GUDC. Decision to be taken regarding construction of Wadhwan 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 (as on 19.12.20)
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	Not complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Not 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 Naroda AUDA	7	7	Operational	
13	Ahmedabad Rasala	1	1	Operational	Complying
14	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
15	Ahmedabad V S Hospital	1	1	Operational	Complying
16	Ahmedabad Nikol	0.5	0.5	Operational	
17	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
18	Ahmedabad Lambha	5	2	Operational	Not Complying
19	Surat Singanpore 2003/2014	155	147.58	Operational	Complying
20	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	1999/2015				
21	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Complying
22	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
23	Surat Bamroli 2008/2019	100	77.9	Operational	Complying
24	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
25	Surat Khajod 2011	25	21.36	Operational	Complying
26	Surat Asarama 2011	15	19.23	Operational	Complying
27	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
28	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Complying
29	Surat Gavier 2016	53	5.37	Operational	Complying
30	Vadodara Tarsali	52	58	Operational	Not complying
31	Vadodara Gajarawadi	66	72	Operational	Partially complying
32	Vadodara Kapurai	43	50	Operational	Not complying
33	Vadodara Rajivnagar	78	32	Operational	Partially complying
34	Vadodara Sayaji garden	8.5	7	Operational	Under Modification
35	Vadodara Channi	21	25	Operational	Partially complying
36	Vadodara Atladara (old)	43	51	Operational	Partially complying
37	Vadodara Atladara (new)	43	54	Operational	Partially complying
38	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
39	Gandhinagar Sargasan 2012-13	10	3	Operational	Not complying
40	Gandhinagar Basan 2011-12	2	0.3	Operational	Not complying
41	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
42	Rajkot	56	15	Operational	Not complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	Raiyadhar 2017				
43	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not complying
44	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying
45	Rajkot Gavaridad 2018	70	30	Operational	Complying
46	Rajkot Madhapar 2019	80	20	Operational	Not Complying
47	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not obtained CTE
48	Bhavnagar Behind Excel industries	45	40	Operational	Complying
49	Jamnagar Navagam Ghed	70	65	Operational	Complying
50	Gandhidham - Anjar	30.00	22	Operational	Complying
51	Patan	25.00	13	Operational	Complying
52	Nadiad	51.26	20	Operational	Not complying
53	Siddhpur	5.62	5	Operational	Oxidation pond
54	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
55	Sanand	20.50	0	Non -Operational Under trial run	
56	Himmatnagar	17.51	6	Operational	Complying
57	Petlad	10.37	8	Operational	Complying
58	Dholka	13.60	8	Operational	STP was found under maintenance during the last visit, before that STP was complying with the norms.
59	Savarkundla	13.90	5	Operational	Oxidation pond
60	Gadhda	6.50	2	Operational	Oxidation pond
61	Kathlal	3.80	2.59	Operational	Oxidation pond
62	Mahudha	2.10	1.76	Operational	Oxidation pond
63	Bayad	4.00	2.06	Operational	Oxidation pond

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
64	Patadi	2.80	1.33	Operational	Oxidation pond
65	Sojitra	2.30	2	Operational	Oxidation pond
66	Dwarka	7.50	2.28	Operational	Not obtained CTE & CC&A
67	Godhra	27.60	4	Operational	Complying
68	Bhuj	23.70	19	Operational	Not Complying
69	Bhachau	10	4	Operational	
70	Anand	33	9	At commissioning stage	
71	Anand	13.5	2.5	Just been commissioned and yet to be visited.	
72	Surendranagar	32.3	17	Operational	Under final stage of Trial. Not obtained CTE & CC&A of the GPCB.
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	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ahmedabad Vinzol	100	70%	Completed	30/06/2021
2	Ahmedabad Pirana	155	78%	Completed	31/03/2021
3	Ahmedabad Maleksaban	30	01%	Completed	31/12/2022
4	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5	Ahmedabad saijpur lake	07	01%	Completed	31/12/2022

6	Surat Bhesan	100	90%	Completed	31/03/2021
7	Surat Singanpore	100	82%	Completed	30/06/2021
8	Surat Bhatar	115	56%	Completed	31/07/2021
9	Surat Bamroli	115	34%	Completed	30/04/2021
10	Surat Asarma	22.5	11%	Completed	30/09/2021
11	Surat Khajod	30	06%	Completed	30/09/2021
12	Vadodara Kapurai	60	66%	70%	30/06/2021
13	Vadodara Chhani	50	15%	Completed	31/12/2021
14	Vadodara Bhayli	45	08%	Completed	28/02/2022
15	Vadodara Sayaji garden	7.5	30%	Completed	30/06/2021
16	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17	Bhavnagar Axcel Industries	50	20%	Completed	31/05/2022
18	Junagadh Bilkha Road, Near CBSE School	8.2	20%	Completed	31/03/2021
19	Rajula	5.70	0.00%	Completed	09/07/2021
20	Bagasara	5.90	5.00%	Completed	09/07/2021
21	Chalala	2.80	78.00%	Completed	12/04/2021
22	Mahuva	16.30	30.00%	Completed	21/01/2021
23	Talaja	5.80	21.00%	Completed	31/12/2020
24	Una	11.70	46.00%	Completed	25/02/2021
25	Bantva	2.60	66.00%	Completed	31/12/2020
26	Dehgam	7.60	75.00%	Completed	31/03/2021
27	Mansa	5.00	13.00%	Completed	30/04/2021
28	Tharad	4.80	95.00%	Completed	31/12/2020
29	Dhanera	4.00	17.00%	Completed	31/03/2022
30	Bhabhar	3.50	25.00%	Completed	31/12/2021
31	Thara	3.60	14.00%	Completed	31/12/2021
32	Kadi	12.80	8.00%	Completed	28/07/2021
33	Unjha	11.60	48.00%	Completed	22/05/2021

34	Visnagar-1	12.00	75.00%	Completed	04/04/2021
35	Visnagar-2	5.30	14.00%	Completed	04/04/2021
36	Kheralu	2.90	26.00%	Completed	27/06/2021
37	Vijapur	4.10	5.00%	Completed	27/06/2021
38	Radhanpur	6.00	1.00%	98%	31/03/2022
39	Idar	7.40	63.00%	Completed	31/12/2020
40	Khedbrahma	5.80	37.00%	Completed	31/12/2020
41	Prantij	3.70	26.00%	Completed	31/12/2020
42	Talod	3.60	0.00%	Completed	12/05/2021
43	Vadali	3.80	0.00%	Completed	12/05/2021
44	Jambusar	5.90	32.00%	Completed	30/09/2021
45	Amod	3.10	1.00%	Completed	30/09/2021
46	Billimora	8.30	0.00%	Completed	31/12/2021
47	Gandevi	2.60	5.00%	Completed	05/03/2021
48	Bardoli	11.30	60.00%	Completed	31/12/2020
49	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
50	Vyara	6.50	72.00%	Completed	31/12/2020
51	Dharampur	4.10	25.00%	Completed	30/09/2021
52	Borsad	9.80	60.00%	Completed	31/12/2020
53	Umreth	6.10	29.00%	Completed	30/06/2021
54	Dahod	13.70	95.00%	Completed	31/12/2020
55	Zalod	4.60	75.00%	Completed	31/12/2020
56	Devgadhbariya	3.80	66.00%	Completed	31/03/2021
57	Santrampur	2.91	5.00%	Completed	31/03/2021
58	Kalol (P)	4.77	5.00%	Completed	04/04/2021
59	Shehra	2.80	0.00%	Completed	04/05/2021
60	Chhotaudepur	5.00	79.00%	Completed	31/12/2020
61	Padra	5.60	40.00%	Completed	02/03/2021
62	Viramgam	4.50	18.00%	Completed	30/05/2021
63	Bavla	5.80	2.00%	Completed	31/12/2021
64	Dhandhuka	7.50	81.00%	Completed	28/02/2021
65	Bareja	3.10	40.00%	Completed	21/02/2021
66	Chaklasi	4.90	0.00%	Completed	31/03/2022
67	Kapadwanj	6.20	0.00%	Completed	30/06/2021
68	Mehmdabad	5.60	36.00%	Completed	30/06/2021
69	Dakor	4.90	0.00%	Completed	30/06/2021
70	Kheda	5.20	5.00%	Completed	30/06/2021
71	Chotila-1	2.30	0.00%	Completed	31/03/2021
72	Chotila-2	1.70	0.00%	Completed	31/03/2021
73	Wadhwan	12.10	0.00%	Completed	31/03/2022
74	Dhangadhra	11.60	83.00%	Completed	28/02/2021
75	Barwala	2.90	6.00%	Completed	09/07/2021
76	Jasdan	8.80	95.00%	Completed	31/12/2020
77	Harij	3.00	0.00%	Completed	15/05/2021
78	Chanasma	2.50	0.00%	Completed	15/05/2021
79	Ode	2.50	0.00%	Completed	09/09/2021
80	Karjan	5.20	0.00%	Completed	14/06/2021

81	Vadnagar	5.94	95.00%	Completed	31/12/2020
82	Botad	32.00	86.00%	Completed	11/12/2020
83	Morbi-2	9.30	84.00%	Completed	31/12/2020
84	Jetpur	23.50	83.00%	Completed	31/12/2020
85	Gondal	16.50	43.00%	Completed	31/03/2021
86	Amreli	18.20	71.00%	Completed	31/12/2020
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%	31/12/2020
91	Vapi-1	14.00	40.00%	Completed	31/12/2020
92	Anand-3	6.50	80.00%	Completed	31/12/2020
93	Porbandar-1	12.80	80.00%	Completed	31/12/2020
94	Porbandar-2	19.10	90.00%	Completed	31/12/2020
95	Damnagar	2.80	0.00%	Completed	31/12/2021
96	Lathi	3.80	0.00%	Completed	31/12/2021
97	Keshod	13.30	0.00%	Completed	31/12/2021
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	Gandhinagar Sargasan	50	DPR Stage	31/12/2022
6	Bhavnagar Akwada	19.2	Work to be Awarded	31/12/2022
7	Jamnagar NrRangmati 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	Under Tender evaluation	31/12/2021
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	Under Tender evaluation	31/03/2022
18	Khambhat-2	4.50	Under Tender evaluation	31/03/2022
19	Anklav	3.60	Under Tender evaluation	31/03/2022
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
29	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
30	Wankaner	5.80	Tender tobe invited	31/03/2022
31	Chhaya	13.10	Under Tender evaluation	31/03/2022
32	Palitana	10.81	Under Tender evaluation	31/03/2022
33	Mandvi Surat	3.50	Under Tender evaluation	31/03/2022
34	Thangadh	9.00	Under Tender evaluation	31/03/2022
35	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
36	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
37	Vapi-2	29.53	DPR/DTP stage	31/03/2022
38	Babra	4.00	Tender tobe invited	31/12/2022
39	Kodinar	5.60	Tender tobe invited	31/12/2022
40	Sutrapada	4.00	Tender tobe invited	31/12/2022
41	Talala	3.80	Tender tobe invited	31/12/2022
42	Chorvad	3.70	Tender tobe invited	31/12/2022
43	Halol	11.60	Tender tobe invited	31/12/2022
44	Thasra	2.30	Tender tobe invited	31/12/2022
45	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
46	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
47	Jamraval	2.60	Tender tobe invited	31/12/2022
48	Dhrol	3.60	Tender tobe invited	31/12/2022
49	Kalavad	3.60	Tender Online	31/12/2022
50	Halvad	6.70	Under Tender evaluation	31/12/2022
51	Maliya	2.50	Tender tobe invited	31/12/2022
52	Kutiyana	2.90	Tender tobe invited	31/12/2022
53	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
54	Ranavav-2	4.50	Tender tobe invited	31/12/2022
55	Dhoraji	12.90	Tender tobe invited	31/12/2022
56	Bhayavadar	3.10	Tender tobe invited	31/12/2022
57	Manavadar	4.90	Under Tender evaluation	31/12/2022
58	Pethapur	3.80	Under Tender evaluation	31/12/2022
59	Ankleshwar	14.00	Under Tender evaluation	31/12/2022

60	Umargam	6.48	Under Tender evaluation	31/12/2022
61	Dabhoi	8.96	Under Tender evaluation	31/12/2022
62	Sikka	2.90	Tender Online	31/12/2022
63	Valsad-2	15.00	DPR/DTP stage	31/03/2022
64	Mahesana-1	23.18	Tender Online	31/03/2022
65	Mahesana-2	18.46	Tender Online	31/03/2022
66	Jafrabad	5.4	DPR/DTP stage	31/12/2022
67	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
68	Shihor	8.9	Tender tobe invited	31/12/2022
69	Mangrol	9.6	DPR/DTP stage	31/12/2022
70	Vanthli	2.2	DPR/DTP stage	31/12/2022
71	Modasa	12.0	DPR/DTP stage	31/12/2022
72	Tarsadi	5.8	DPR/DTP stage	31/12/2022
73	Songadh	4.5	Tender tobe invited	31/12/2022
74	Pardi	4.6	Tender tobe invited	31/12/2022
75	Karamsad	6.0	Tender tobe invited	31/12/2022
76	Limdi	7.4	DPR/DTP stage	31/12/2022
77	Bhachau	1.0	Tender tobe invited	31/12/2022
78	Rapar	5.2	Tender tobe invited	31/12/2022
79	Upleta	8.9	DPR/DTP stage	31/12/2022
80	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

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 November-2020:

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
Nov-2020	D/S of Surendranagar City, Near Wadhwan Bridge	2.8	7.65	1	17	<1.8	4

Annexure-II (B)

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

Location of sample collected	WATER PROJECT EMP PROGRAM BORE WELL WATER SAMPLE OF M/s BHAVANI PLASTIC GIDC WADHWAN - MONTHLY	
Sample ID	292157	
Date of sample collection	03/10/2020	
Parameter	**Unit**	**Result**
Arsenic	mg/l	BDL
BOD	mg/l	1.1
COD	mg/l	7
Copper	mg/l	0.03
pH	pH units	8.11
TDS	mg/l	1238
Iron	mg/l	0.16
Lead	mg/l	BDL
Mercury	Ppb	BDL
Nickel	mg/l	0.01
Zinc	mg/l	0.04

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 perennial river. • Sometimes releasing surplus flood water during monsoon period, June to October in Bhogawo River through spillway gates at Bhogawo Dam site to Nana Kerala around 17 Km hence there is no question of releasing water during month from November to May period. • During the monsoon and on availability of excess flood water from Bhogavo to Kerala. (June to October) 2. Details of Good IrrigationPractices: • General government practice of irrigation is maintained in command area of Wadhwan Bhogavo-1 irrigation project and Wadhwan Bhogawo -2 irrigation project is reserved for Drinking Water Purpose. • Farmers are made aware to use water efficiently. 3. Detail on Flood Plain ManagementZone: • As far as Wadhwan Bhogavo 1 reservoir project and Wadhwan Bhogavo-2 reservoir project, is concerned 12 villages of Surendranagar District are identified which and may be affected due to floods in D/s of Wadhwan Bhogavo 1 project, & Wadhwan Bhogavo - 2 reservoir project, Wadhwan Bhogavo-1 & Wadhwan Bhogavo-2, for more than 1,36,861 cusecs discharge from above two dams. In such condition people of these villages are warned through early warning arrangement in consultation with revenue department.

Annexure-IV

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

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

Annexure – A

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

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	620.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**643.68**	**250**	**790.4**

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 November – 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: 31
- No. of Non-complying STPs: 17
- Partially complying STPs: 5
- STPs under maintenance / modification: 2
- STPs not obtained CTE / CC&A of GPCB: 2
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 4
- Details of STPs not available: 3
- 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: 23, ➢ Non complying: 11 *(as per CM dash board data for September-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 (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. 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 9th RRC meeting held on 27.11.2020.	
XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:
Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms. STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river	

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

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

RRC meetings:

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

- Concerned departments / authorities/ organizations were asked to submit proposals with elongated /revised timeline for completion of the projects with the justification

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

STPs:

Sr. No.	**Proposed STP details**	**Status**
1.	Vinzol (35 mld) AMC	Commissioned
2.	Vinzol (100 mld) AMC	Under Progress, 68% Completed, Expected to be completed by Dec-20 (Source:- GUDM)

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 (as on 19.12.20)
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	Not complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Not 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 Naroda AUDA	7	7	Operational	
13	Ahmedabad Rasala	1	1	Operational	Complying
14	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
15	Ahmedabad V S Hospital	1	1	Operational	Complying
16	Ahmedabad Nikol	0.5	0.5	Operational	
17	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
18	Ahmedabad Lambha	5	2	Operational	Not Complying
19	Surat Singanpore 2003/2014	155	147.58	Operational	Complying
20	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	1999/2015				
21	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Complying
22	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
23	Surat Bamroli 2008/2019	100	77.9	Operational	Complying
24	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
25	Surat Khajod 2011	25	21.36	Operational	Complying
26	Surat Asarama 2011	15	19.23	Operational	Complying
27	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
28	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Complying
29	Surat Gavier 2016	53	5.37	Operational	Complying
30	Vadodara Tarsali	52	58	Operational	Not complying
31	Vadodara Gajarawadi	66	72	Operational	Partially complying
32	Vadodara Kapurai	43	50	Operational	Not complying
33	Vadodara Rajivnagar	78	32	Operational	Partially complying
34	Vadodara Sayaji garden	8.5	7	Operational	Under Modification
35	Vadodara Channi	21	25	Operational	Partially complying
36	Vadodara Atladara (old)	43	51	Operational	Partially complying
37	Vadodara Atladara (new)	43	54	Operational	Partially complying
38	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
39	Gandhinagar Sargasan 2012-13	10	3	Operational	Not complying
40	Gandhinagar Basan 2011-12	2	0.3	Operational	Not complying
41	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
42	Rajkot	56	15	Operational	Not complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	Raiyadhar 2017				
43	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not complying
44	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying
45	Rajkot Gavaridad 2018	70	30	Operational	Complying
46	Rajkot Madhapar 2019	80	20	Operational	Not Complying
47	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not obtained CTE
48	Bhavnagar Behind Excel industries	45	40	Operational	Complying
49	Jamnagar Navagam Ghed	70	65	Operational	Complying
50	Gandhidham - Anjar	30.00	22	Operational	Complying
51	Patan	25.00	13	Operational	Complying
52	Nadiad	51.26	20	Operational	Not complying
53	Siddhpur	5.62	5	Operational	Oxidation pond
54	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
55	Sanand	20.50	0	Non -Operational Under trial run	
56	Himmatnagar	17.51	6	Operational	Complying
57	Petlad	10.37	8	Operational	Complying
58	Dholka	13.60	8	Operational	STP was found under maintenance during the last visit, before that STP was complying with the norms.
59	Savarkundla	13.90	5	Operational	Oxidation pond
60	Gadhda	6.50	2	Operational	Oxidation pond
61	Kathlal	3.80	2.59	Operational	Oxidation pond
62	Mahudha	2.10	1.76	Operational	Oxidation pond
63	Bayad	4.00	2.06	Operational	Oxidation pond

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
64	Patadi	2.80	1.33	Operational	Oxidation pond
65	Sojitra	2.30	2	Operational	Oxidation pond
66	Dwarka	7.50	2.28	Operational	Not obtained CTE & CC&A
67	Godhra	27.60	4	Operational	Complying
68	Bhuj	23.70	19	Operational	Not Complying
69	Bhachau	10	4	Operational	
70	Anand	33	9	At commissioning stage	
71	Anand	13.5	2.5	Just been commissioned and yet to be visited.	
72	Surendranagar	32.3	17	Operational	Under final stage of Trial. Not obtained CTE & CC&A of the GPCB.
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	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ahmedabad Vinzol	100	70%	Completed	30/06/2021
2	Ahmedabad Pirana	155	78%	Completed	31/03/2021
3	Ahmedabad Maleksaban	30	01%	Completed	31/12/2022
4	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5	Ahmedabad saijpur lake	07	01%	Completed	31/12/2022

6	Surat Bhesan	100	90%	Completed	31/03/2021
7	Surat Singanpore	100	82%	Completed	30/06/2021
8	Surat Bhatar	115	56%	Completed	31/07/2021
9	Surat Bamroli	115	34%	Completed	30/04/2021
10	Surat Asarma	22.5	11%	Completed	30/09/2021
11	Surat Khajod	30	06%	Completed	30/09/2021
12	Vadodara Kapurai	60	66%	70%	30/06/2021
13	Vadodara Chhani	50	15%	Completed	31/12/2021
14	Vadodara Bhayli	45	08%	Completed	28/02/2022
15	Vadodara Sayaji garden	7.5	30%	Completed	30/06/2021
16	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17	Bhavnagar Axcel Industries	50	20%	Completed	31/05/2022
18	Junagadh Bilkha Road, Near CBSE School	8.2	20%	Completed	31/03/2021
19	Rajula	5.70	0.00%	Completed	09/07/2021
20	Bagasara	5.90	5.00%	Completed	09/07/2021
21	Chalala	2.80	78.00%	Completed	12/04/2021
22	Mahuva	16.30	30.00%	Completed	21/01/2021
23	Talaja	5.80	21.00%	Completed	31/12/2020
24	Una	11.70	46.00%	Completed	25/02/2021
25	Bantva	2.60	66.00%	Completed	31/12/2020
26	Dehgam	7.60	75.00%	Completed	31/03/2021
27	Mansa	5.00	13.00%	Completed	30/04/2021
28	Tharad	4.80	95.00%	Completed	31/12/2020
29	Dhanera	4.00	17.00%	Completed	31/03/2022
30	Bhabhar	3.50	25.00%	Completed	31/12/2021
31	Thara	3.60	14.00%	Completed	31/12/2021
32	Kadi	12.80	8.00%	Completed	28/07/2021
33	Unjha	11.60	48.00%	Completed	22/05/2021

34	Visnagar-1	12.00	75.00%	Completed	04/04/2021
35	Visnagar-2	5.30	14.00%	Completed	04/04/2021
36	Kheralu	2.90	26.00%	Completed	27/06/2021
37	Vijapur	4.10	5.00%	Completed	27/06/2021
38	Radhanpur	6.00	1.00%	98%	31/03/2022
39	Idar	7.40	63.00%	Completed	31/12/2020
40	Khedbrahma	5.80	37.00%	Completed	31/12/2020
41	Prantij	3.70	26.00%	Completed	31/12/2020
42	Talod	3.60	0.00%	Completed	12/05/2021
43	Vadali	3.80	0.00%	Completed	12/05/2021
44	Jambusar	5.90	32.00%	Completed	30/09/2021
45	Amod	3.10	1.00%	Completed	30/09/2021
46	Billimora	8.30	0.00%	Completed	31/12/2021
47	Gandevi	2.60	5.00%	Completed	05/03/2021
48	Bardoli	11.30	60.00%	Completed	31/12/2020
49	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
50	Vyara	6.50	72.00%	Completed	31/12/2020
51	Dharampur	4.10	25.00%	Completed	30/09/2021
52	Borsad	9.80	60.00%	Completed	31/12/2020
53	Umreth	6.10	29.00%	Completed	30/06/2021
54	Dahod	13.70	95.00%	Completed	31/12/2020
55	Zalod	4.60	75.00%	Completed	31/12/2020
56	Devgadhbariya	3.80	66.00%	Completed	31/03/2021
57	Santrampur	2.91	5.00%	Completed	31/03/2021
58	Kalol (P)	4.77	5.00%	Completed	04/04/2021
59	Shehra	2.80	0.00%	Completed	04/05/2021
60	Chhotaudepur	5.00	79.00%	Completed	31/12/2020
61	Padra	5.60	40.00%	Completed	02/03/2021
62	Viramgam	4.50	18.00%	Completed	30/05/2021
63	Bavla	5.80	2.00%	Completed	31/12/2021
64	Dhandhuka	7.50	81.00%	Completed	28/02/2021
65	Bareja	3.10	40.00%	Completed	21/02/2021
66	Chaklasi	4.90	0.00%	Completed	31/03/2022
67	Kapadwanj	6.20	0.00%	Completed	30/06/2021
68	Mehmdabad	5.60	36.00%	Completed	30/06/2021
69	Dakor	4.90	0.00%	Completed	30/06/2021
70	Kheda	5.20	5.00%	Completed	30/06/2021
71	Chotila-1	2.30	0.00%	Completed	31/03/2021
72	Chotila-2	1.70	0.00%	Completed	31/03/2021
73	Wadhwan	12.10	0.00%	Completed	31/03/2022
74	Dhangadhra	11.60	83.00%	Completed	28/02/2021
75	Barwala	2.90	6.00%	Completed	09/07/2021
76	Jasdan	8.80	95.00%	Completed	31/12/2020
77	Harij	3.00	0.00%	Completed	15/05/2021
78	Chanasma	2.50	0.00%	Completed	15/05/2021
79	Ode	2.50	0.00%	Completed	09/09/2021
80	Karjan	5.20	0.00%	Completed	14/06/2021

81	Vadnagar	5.94	95.00%	Completed	31/12/2020
82	Botad	32.00	86.00%	Completed	11/12/2020
83	Morbi-2	9.30	84.00%	Completed	31/12/2020
84	Jetpur	23.50	83.00%	Completed	31/12/2020
85	Gondal	16.50	43.00%	Completed	31/03/2021
86	Amreli	18.20	71.00%	Completed	31/12/2020
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%	31/12/2020
91	Vapi-1	14.00	40.00%	Completed	31/12/2020
92	Anand-3	6.50	80.00%	Completed	31/12/2020
93	Porbandar-1	12.80	80.00%	Completed	31/12/2020
94	Porbandar-2	19.10	90.00%	Completed	31/12/2020
95	Damnagar	2.80	0.00%	Completed	31/12/2021
96	Lathi	3.80	0.00%	Completed	31/12/2021
97	Keshod	13.30	0.00%	Completed	31/12/2021
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	Gandhinagar Sargasan	50	DPR Stage	31/12/2022
6	Bhavnagar Akwada	19.2	Work to be Awarded	31/12/2022
7	Jamnagar NrRangmati 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	Under Tender evaluation	31/12/2021
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	Under Tender evaluation	31/03/2022
18	Khambhat-2	4.50	Under Tender evaluation	31/03/2022
19	Anklav	3.60	Under Tender evaluation	31/03/2022
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
29	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
30	Wankaner	5.80	Tender tobe invited	31/03/2022
31	Chhaya	13.10	Under Tender evaluation	31/03/2022
32	Palitana	10.81	Under Tender evaluation	31/03/2022
33	Mandvi Surat	3.50	Under Tender evaluation	31/03/2022
34	Thangadh	9.00	Under Tender evaluation	31/03/2022
35	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
36	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
37	Vapi-2	29.53	DPR/DTP stage	31/03/2022
38	Babra	4.00	Tender tobe invited	31/12/2022
39	Kodinar	5.60	Tender tobe invited	31/12/2022
40	Sutrapada	4.00	Tender tobe invited	31/12/2022
41	Talala	3.80	Tender tobe invited	31/12/2022
42	Chorvad	3.70	Tender tobe invited	31/12/2022
43	Halol	11.60	Tender tobe invited	31/12/2022
44	Thasra	2.30	Tender tobe invited	31/12/2022
45	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
46	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
47	Jamraval	2.60	Tender tobe invited	31/12/2022
48	Dhrol	3.60	Tender tobe invited	31/12/2022
49	Kalavad	3.60	Tender Online	31/12/2022
50	Halvad	6.70	Under Tender evaluation	31/12/2022
51	Maliya	2.50	Tender tobe invited	31/12/2022
52	Kutiyana	2.90	Tender tobe invited	31/12/2022
53	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
54	Ranavav-2	4.50	Tender tobe invited	31/12/2022
55	Dhoraji	12.90	Tender tobe invited	31/12/2022
56	Bhayavadar	3.10	Tender tobe invited	31/12/2022
57	Manavadar	4.90	Under Tender evaluation	31/12/2022
58	Pethapur	3.80	Under Tender evaluation	31/12/2022
59	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
60	Umargam	6.48	Under Tender evaluation	31/12/2022
61	Dabhoi	8.96	Under Tender evaluation	31/12/2022

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

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 November -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	7.69	42	181	>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:

Vinzol STP(70MLD)(21913)

Location of sample collection	Discharge norms	Analysis Results
Final out let of STP Dtd. 12/11/2020	pH-6.5 to 8.5	7.94
	BOD- Less than 20mg/L	16mg/L
	SS- Less than 30mg/L	20mg/L
	Total coliform(FC)- < 1000 MPN/100 ml	>1600MPN/100 ml
	Fecal coliform(FC)- < 1000 MPN/100 ml	>1600MPN/100 ml
	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 waterisflownintotheriverwhichflowsintotheriver uptomonthofFebruary-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.XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date

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

Annexure – A

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

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	620.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**643.68**	**250**	**790.4**

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 November – 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: 31
- No. of Non-complying STPs: 17
- Partially complying STPs: 5
- STPs under maintenance / modification: 2
- STPs not obtained CTE / CC&A of GPCB: 2
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 4
- Details of STPs not available: 3
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 23, ➢ Non complying: 11 *(as per CM dash board data for September-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 (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.:- 673/2018 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. 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 9th RRC meeting held on 27.11.2020.	

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

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

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

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

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

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

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

(As per Annual report – 2018-19)

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

RRC meetings:

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

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

STPs:

Sr. No.	**Proposed STP details**	**Status**
1.	Pirana 155 MLD STP	78% construction completed
2.	STP of Shankar Bhuvan 25 MLD	Completed
3.	STP at Dafnala 25 MLD	Tender Approved, Various correspondence / meetings done with Cantonment authority and Defense ministry since January, 2017 to till date regarding possession. But till date possession of land not given by cantonment authority to AMC.
4.	STP at Kotarpur 60 MLD	Tender approved and work order given.
5.	STP at Koteshwar 60 MLD	--

		For the treatment of domestic sewage discharges of Bhat, Koteshwar & nearby other areas. Timeline not given. RRC instructed AUDA to submit the same with detailed action plan without any further delay. During the meeting held under the chairmanship of Chief Secretary Gujarat State on 10/09/2020, Municipal Commissioner, Ahmedabad, was asked to resolve the land acquisition issues for STPs at Dafnala and Koteshwar in Ahmedabad. Notices of direction U/S 33-A of Water Act – 1974 have been issued to Bhat & Koteshwar Grampanchayats & Pethapur Nagarpalika to stop illegal domestic waste water discharge into river Sabarmati and to provide adequate STP for treatment of sewage generated from their jurisdiction.

CETPs:

Sr. No.	Proposed CETP details	Status
1.	Green Environment Co-Operative So. Ltd., (GECSL) Expn: 16 to 35 MLD	75% civil work is completed. 75% work of installation work of 3 Fenton Catalytic Reactors is completed. All the associated equipment & machinery procurement work is in progress.
2.	Naroda Enviro Projects Ltd. (NEPL) Expn-: 3 to 14 MLD	Modification/up gradation work is completed. Stabilization of technology is going on.
3.	Odhav Enviro Projects Ltd. (OEPL) Modification:- Proposed Spray Dryer	Completed the installation of common effluent spray dryer project and CCA amendment awaited
4.	Narol Dyestuff 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 (NTIEM) Expn:- 100 to 130 MLD	Due to several financial constraints, CETP has not been able to meet their expansion project by March-2020 timeline. 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 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.
6.	Ahmedabad Hand Screen Printing Association (AHSPA)- New CETP (30 MLD)	Work order issued, work started by L&T, 3% completed RRC asked to resubmit the latest timeline for the completion of the project.

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 (as on 19.12.20)
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	Not complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Not 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 Naroda AUDA	7	7	Operational	
13	Ahmedabad Rasala	1	1	Operational	Complying
14	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
15	Ahmedabad V S Hospital	1	1	Operational	Complying
16	Ahmedabad Nikol	0.5	0.5	Operational	
17	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
18	Ahmedabad Lambha	5	2	Operational	Not Complying
19	Surat Singanpore 2003/2014	155	147.58	Operational	Complying
20	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	1999/2015				
21	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Complying
22	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
23	Surat Bamroli 2008/2019	100	77.9	Operational	Complying
24	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
25	Surat Khajod 2011	25	21.36	Operational	Complying
26	Surat Asarama 2011	15	19.23	Operational	Complying
27	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
28	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Complying
29	Surat Gavier 2016	53	5.37	Operational	Complying
30	Vadodara Tarsali	52	58	Operational	Not complying
31	Vadodara Gajarawadi	66	72	Operational	Partially complying
32	Vadodara Kapurai	43	50	Operational	Not complying
33	Vadodara Rajivnagar	78	32	Operational	Partially complying
34	Vadodara Sayaji garden	8.5	7	Operational	Under Modification
35	Vadodara Channi	21	25	Operational	Partially complying
36	Vadodara Atladara (old)	43	51	Operational	Partially complying
37	Vadodara Atladara (new)	43	54	Operational	Partially complying
38	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
39	Gandhinagar Sargasan 2012-13	10	3	Operational	Not complying
40	Gandhinagar Basan 2011-12	2	0.3	Operational	Not complying
41	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
42	Rajkot	56	15	Operational	Not complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	Raiyadhar 2017				
43	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not complying
44	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying
45	Rajkot Gavaridad 2018	70	30	Operational	Complying
46	Rajkot Madhapar 2019	80	20	Operational	Not Complying
47	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not obtained CTE
48	Bhavnagar Behind Excel industries	45	40	Operational	Complying
49	Jamnagar Navagam Ghed	70	65	Operational	Complying
50	Gandhidham - Anjar	30.00	22	Operational	Complying
51	Patan	25.00	13	Operational	Complying
52	Nadiad	51.26	20	Operational	Not complying
53	Siddhpur	5.62	5	Operational	Oxidation pond
54	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
55	Sanand	20.50	0	Non -Operational Under trial run	
56	Himmatnagar	17.51	6	Operational	Complying
57	Petlad	10.37	8	Operational	Complying
58	Dholka	13.60	8	Operational	STP was found under maintenance during the last visit, before that STP was complying with the norms.
59	Savarkundla	13.90	5	Operational	Oxidation pond
60	Gadhda	6.50	2	Operational	Oxidation pond
61	Kathlal	3.80	2.59	Operational	Oxidation pond
62	Mahudha	2.10	1.76	Operational	Oxidation pond
63	Bayad	4.00	2.06	Operational	Oxidation pond

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
64	Patadi	2.80	1.33	Operational	Oxidation pond
65	Sojitra	2.30	2	Operational	Oxidation pond
66	Dwarka	7.50	2.28	Operational	Not obtained CTE & CC&A
67	Godhra	27.60	4	Operational	Complying
68	Bhuj	23.70	19	Operational	Not Complying
69	Bhachau	10	4	Operational	
70	Anand	33	9	At commissioning stage	
71	Anand	13.5	2.5	Just been commissioned and yet to be visited.	
72	Surendranagar	32.3	17	Operational	Under final stage of Trial. Not obtained CTE & CC&A of the GPCB.
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	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ahmedabad Vinzol	100	70%	Completed	30/06/2021
2	Ahmedabad Pirana	155	78%	Completed	31/03/2021
3	Ahmedabad Maleksaban	30	01%	Completed	31/12/2022
4	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5	Ahmedabad saijpur lake	07	01%	Completed	31/12/2022

6	Surat Bhesan	100	90%	Completed	31/03/2021
7	Surat Singanpore	100	82%	Completed	30/06/2021
8	Surat Bhatar	115	56%	Completed	31/07/2021
9	Surat Bamroli	115	34%	Completed	30/04/2021
10	Surat Asarma	22.5	11%	Completed	30/09/2021
11	Surat Khajod	30	06%	Completed	30/09/2021
12	Vadodara Kapurai	60	66%	70%	30/06/2021
13	Vadodara Chhani	50	15%	Completed	31/12/2021
14	Vadodara Bhayli	45	08%	Completed	28/02/2022
15	Vadodara Sayaji garden	7.5	30%	Completed	30/06/2021
16	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17	Bhavnagar Axcel Industries	50	20%	Completed	31/05/2022
18	Junagadh Bilkha Road, Near CBSE School	8.2	20%	Completed	31/03/2021
19	Rajula	5.70	0.00%	Completed	09/07/2021
20	Bagasara	5.90	5.00%	Completed	09/07/2021
21	Chalala	2.80	78.00%	Completed	12/04/2021
22	Mahuva	16.30	30.00%	Completed	21/01/2021
23	Talaja	5.80	21.00%	Completed	31/12/2020
24	Una	11.70	46.00%	Completed	25/02/2021
25	Bantva	2.60	66.00%	Completed	31/12/2020
26	Dehgam	7.60	75.00%	Completed	31/03/2021
27	Mansa	5.00	13.00%	Completed	30/04/2021
28	Tharad	4.80	95.00%	Completed	31/12/2020
29	Dhanera	4.00	17.00%	Completed	31/03/2022
30	Bhabhar	3.50	25.00%	Completed	31/12/2021
31	Thara	3.60	14.00%	Completed	31/12/2021
32	Kadi	12.80	8.00%	Completed	28/07/2021
33	Unjha	11.60	48.00%	Completed	22/05/2021

34	Visnagar-1	12.00	75.00%	Completed	04/04/2021
35	Visnagar-2	5.30	14.00%	Completed	04/04/2021
36	Kheralu	2.90	26.00%	Completed	27/06/2021
37	Vijapur	4.10	5.00%	Completed	27/06/2021
38	Radhanpur	6.00	1.00%	98%	31/03/2022
39	Idar	7.40	63.00%	Completed	31/12/2020
40	Khedbrahma	5.80	37.00%	Completed	31/12/2020
41	Prantij	3.70	26.00%	Completed	31/12/2020
42	Talod	3.60	0.00%	Completed	12/05/2021
43	Vadali	3.80	0.00%	Completed	12/05/2021
44	Jambusar	5.90	32.00%	Completed	30/09/2021
45	Amod	3.10	1.00%	Completed	30/09/2021
46	Billimora	8.30	0.00%	Completed	31/12/2021
47	Gandevi	2.60	5.00%	Completed	05/03/2021
48	Bardoli	11.30	60.00%	Completed	31/12/2020
49	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
50	Vyara	6.50	72.00%	Completed	31/12/2020
51	Dharampur	4.10	25.00%	Completed	30/09/2021
52	Borsad	9.80	60.00%	Completed	31/12/2020
53	Umreth	6.10	29.00%	Completed	30/06/2021
54	Dahod	13.70	95.00%	Completed	31/12/2020
55	Zalod	4.60	75.00%	Completed	31/12/2020
56	Devgadhbariya	3.80	66.00%	Completed	31/03/2021
57	Santrampur	2.91	5.00%	Completed	31/03/2021
58	Kalol (P)	4.77	5.00%	Completed	04/04/2021
59	Shehra	2.80	0.00%	Completed	04/05/2021
60	Chhotaudepur	5.00	79.00%	Completed	31/12/2020
61	Padra	5.60	40.00%	Completed	02/03/2021
62	Viramgam	4.50	18.00%	Completed	30/05/2021
63	Bavla	5.80	2.00%	Completed	31/12/2021
64	Dhandhuka	7.50	81.00%	Completed	28/02/2021
65	Bareja	3.10	40.00%	Completed	21/02/2021
66	Chaklasi	4.90	0.00%	Completed	31/03/2022
67	Kapadwanj	6.20	0.00%	Completed	30/06/2021
68	Mehmdabad	5.60	36.00%	Completed	30/06/2021
69	Dakor	4.90	0.00%	Completed	30/06/2021
70	Kheda	5.20	5.00%	Completed	30/06/2021
71	Chotila-1	2.30	0.00%	Completed	31/03/2021
72	Chotila-2	1.70	0.00%	Completed	31/03/2021
73	Wadhwan	12.10	0.00%	Completed	31/03/2022
74	Dhangadhra	11.60	83.00%	Completed	28/02/2021
75	Barwala	2.90	6.00%	Completed	09/07/2021
76	Jasdan	8.80	95.00%	Completed	31/12/2020
77	Harij	3.00	0.00%	Completed	15/05/2021
78	Chanasma	2.50	0.00%	Completed	15/05/2021
79	Ode	2.50	0.00%	Completed	09/09/2021
80	Karjan	5.20	0.00%	Completed	14/06/2021

81	Vadnagar	5.94	95.00%	Completed	31/12/2020
82	Botad	32.00	86.00%	Completed	11/12/2020
83	Morbi-2	9.30	84.00%	Completed	31/12/2020
84	Jetpur	23.50	83.00%	Completed	31/12/2020
85	Gondal	16.50	43.00%	Completed	31/03/2021
86	Amreli	18.20	71.00%	Completed	31/12/2020
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%	31/12/2020
91	Vapi-1	14.00	40.00%	Completed	31/12/2020
92	Anand-3	6.50	80.00%	Completed	31/12/2020
93	Porbandar-1	12.80	80.00%	Completed	31/12/2020
94	Porbandar-2	19.10	90.00%	Completed	31/12/2020
95	Damnagar	2.80	0.00%	Completed	31/12/2021
96	Lathi	3.80	0.00%	Completed	31/12/2021
97	Keshod	13.30	0.00%	Completed	31/12/2021
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	Gandhinagar Sargasan	50	DPR Stage	31/12/2022
6	Bhavnagar Akwada	19.2	Work to be Awarded	31/12/2022
7	Jamnagar NrRangmati 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	Under Tender evaluation	31/12/2021
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	Under Tender evaluation	31/03/2022
18	Khambhat-2	4.50	Under Tender evaluation	31/03/2022
19	Anklav	3.60	Under Tender evaluation	31/03/2022
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
29	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
30	Wankaner	5.80	Tender tobe invited	31/03/2022
31	Chhaya	13.10	Under Tender evaluation	31/03/2022
32	Palitana	10.81	Under Tender evaluation	31/03/2022
33	Mandvi Surat	3.50	Under Tender evaluation	31/03/2022
34	Thangadh	9.00	Under Tender evaluation	31/03/2022
35	Vijalpor – Navsari	47.00	Under Tender evaluation	31/03/2022
36	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
37	Vapi-2	29.53	DPR/DTP stage	31/03/2022
38	Babra	4.00	Tender tobe invited	31/12/2022
39	Kodinar	5.60	Tender tobe invited	31/12/2022
40	Sutrapada	4.00	Tender tobe invited	31/12/2022
41	Talala	3.80	Tender tobe invited	31/12/2022
42	Chorvad	3.70	Tender tobe invited	31/12/2022
43	Halol	11.60	Tender tobe invited	31/12/2022
44	Thasra	2.30	Tender tobe invited	31/12/2022
45	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
46	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
47	Jamraval	2.60	Tender tobe invited	31/12/2022
48	Dhrol	3.60	Tender tobe invited	31/12/2022
49	Kalavad	3.60	Tender Online	31/12/2022
50	Halvad	6.70	Under Tender evaluation	31/12/2022
51	Maliya	2.50	Tender tobe invited	31/12/2022
52	Kutiyana	2.90	Tender tobe invited	31/12/2022
53	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
54	Ranavav-2	4.50	Tender tobe invited	31/12/2022
55	Dhoraji	12.90	Tender tobe invited	31/12/2022
56	Bhayavadar	3.10	Tender tobe invited	31/12/2022
57	Manavadar	4.90	Under Tender evaluation	31/12/2022
58	Pethapur	3.80	Under Tender evaluation	31/12/2022
59	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
60	Umargam	6.48	Under Tender evaluation	31/12/2022
61	Dabhoi	8.96	Under Tender evaluation	31/12/2022
62	Sikka	2.90	Tender Online	31/12/2022
63	Valsad-2	15.00	DPR/DTP stage	31/03/2022

64	Mahesana-1	23.18	Tender Online	31/03/2022
65	Mahesana-2	18.46	Tender Online	31/03/2022
66	Jafrabad	5.4	DPR/DTP stage	31/12/2022
67	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
68	Shihor	8.9	Tender tobe invited	31/12/2022
69	Mangrol	9.6	DPR/DTP stage	31/12/2022
70	Vanthli	2.2	DPR/DTP stage	31/12/2022
71	Modasa	12.0	DPR/DTP stage	31/12/2022
72	Tarsadi	5.8	DPR/DTP stage	31/12/2022
73	Songadh	4.5	Tender tobe invited	31/12/2022
74	Pardi	4.6	Tender tobe invited	31/12/2022
75	Karamsad	6.0	Tender tobe invited	31/12/2022
76	Limdi	7.4	DPR/DTP stage	31/12/2022
77	Bhachau	1.0	Tender tobe invited	31/12/2022
78	Rapar	5.2	Tender tobe invited	31/12/2022
79	Upleta	8.9	DPR/DTP stage	31/12/2022
80	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

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 November-2020:

Sr No	River Sabarmati at	PH	COD (mg/I)	BOD (mg/I)	DO (mg/I)	TC (MPN)	FC (MPN)
1.	**Kheroj**	7.71	06	1.01	6.79	21	04
2.	**Mahudi**	7.90	11	1.08	7.09	33	04
3.	**Chiloda**	8.35	11	1.12	7.05	21	04
4.	**Hansol Bridge**	7.38	07	1.21	7.06	47	06
5.	**Railway Bridge**	7.44	06	0.94	7.09	210	17
6.	**V N Bridge**	7.79	281	45	BDL	920	540
7.	**Miroli**	7.85	168	32	2.36	>1600	>1600
8.	**Vautha**	7.55	62	08	5.17	540	350

Annexure-II (B)

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

Sr No	Bore wells	pH	BOD(mg/I)	COD(mg/I)	TDS(mg/I)
1.	**Gandhi Ashram**, Ahmedabad	8.43	0.82	07	880
2.	**Jain Temple**, Ahmedabad (Half yearly)	Half yearly project hence sample not collected			
3.	**P T College**, Ahmedabad	8.22	0.78	07	390
4.	**Pirana Pumping Station**, Ahmedabad (Half Yearly)	Half yearly project hence sample not collected			
5.	**GyaspurNr.MSW Site**, Ahmedabad	7.65	0.91	09	2076
6.	**Ajmeri Farm**, Ahmedabad	Bore well under maintenance hence sample not collected			
7.	**Excel Industries**, Ahmedabad	7.49	1.12	12	1742
8.	**UPL Djl**, Ahmedabad	7.25	1.03	05	2618
9.	**Miroli Pumping Station**, Ahmedabad	Sample is not collected due to three monthly(3M) project			
10.	**Naklang Mahadev**, 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	7.49	0.84	7	940
13.	**GIDC-Vatva**, Ahmedabad	7.96	1.03	9	1830

14.	**GIDC-GVMM**, Ahmedabad	7.59	0.65	7	1080
15.	**GIDC-Odhav**, Ahmedabad	7.60	0.87	6.0	1090
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 Wagha Kotar, Sukhadeshwar Pumping station, Pethapur Nagarpalika, flow-55.3 MLD
- Domestic waste water discharged through natural drain nala, Village – Koteshwar, flow- 0.73 MLD
- Domestic waste water discharged through 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 (November-2020)

Sr No	Parameters	pH	BOD (mg/I)	TSS (mg/I)	FCO MPN/100 ml	Residual chlorine (mg/l)
	Discharging Norms	**6.5 to 9.0**	**20**	**<50**	**<1000 MPN/100 ml**	**0.5**
1	AMC PIRANA STP 60 MLD (ASP TYPE)	7.08	18	20	540	BDL
2	AMC PIRANA STP 106 MLD (UASB TYPE)	7.40	17	14	920	BDL
3	AMC PIRANA STP 180 MLD (ASP TYPE)	7.33	68	20	>1600	BDL
4	AMC VASNA OLD STP 126 MLD (UASB TYPE)	7.12	34	22	>1600	-
5	AMC VASNA STP 35 MLD (ASP TYPE)	7.39	06	16	280	-
6	AMC VASNA STP 240 MLD (ASP TYPE)	7.44	12	18	-	BDL
7	AMC VASNA STP 48 MLD (SBR TYPE)	7.21	<5	14	120	BDL
8	AMC STP 60 MLD, VADAJ (SBR TYPE)	7.36	<5	10	120	BDL
9	AMC STP 25 MLD, (SBR TYPE)	7.32	05	14	350	BDL

CETP Results (November-2020)

Sr No	Parameters	pH	COD(mg/l)	BOD(mg/l)
	Discharging norms of CETPs	**6.5 – 8.5**	**250**	**30**
1.	CETP GREEN VATVA	7.35	585	42
2.	CETP NEPL	7.49	516	57
3.	CETP OEPL	Result Not received		
4.	CETP OGEPL	7.70	261	36
5.	CETP GVMM	7.02	179	28
6.	NAROL DYE STUFF CETP	Result Not received		
7.	Narol Textile Infrastructure & Enviro Management (Narol Textile CETP)	7.73	123	Result Not received

Annexure-III

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

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

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	620.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**643.68**	**250**	**790.4**

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 November – 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: 31
- No. of Non-complying STPs: 17
- Partially complying STPs: 5
- STPs under maintenance / modification: 2
- STPs not obtained CTE / CC&A of GPCB: 2
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 4
- Details of STPs not available: 3
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 23, ➢ Non complying: 11 *(as per CM dash board data for September-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 (Shri T.C.Patel) has been deputed vide letter dated 10.06.2020 at Chief Secretary office to look after the Hon'ble NGT matters.	
XII.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
All NGT matters are being reviewed regularly under chairmanship of Hon'ble CS.Total 2 review meetings are conducted so far under the chairmanship of Hon'ble CS to monitor the progress with reference to the action plans submitted w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 673/2018and to resolve various issues/non -compliances. Last meeting was convened on 10/09/2020 under the chairmanship of Hon'ble Chief Secretary Gujarat State. Two review meetings have been convened so far w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 606/2018 which also includes the review of matters related to O.A. No.:-673/2018.	
XIII.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;
Details are attached as **Annexure – II**	
XIV.	Ground water regulation:
GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" Final comments /suggestions were sought by GWRDC vide letter dated 02/11/2020 from concerned departments for finalization of the draft bill. Seven meetings of sub-committee have been convened so far for finalization of the draft bill. The final draft bill was approved by the sub-committee during the meeting held on 12/11/2020 as per the minutes of meeting. The final draft of the bill has been submitted to the Chairman of the Committee and Special Secretary,	

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

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

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

RRC meetings:

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

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

STPs:

Sr. No.	Proposed STP details	Status
1.	Kapurai (new) (60 MLD) (STP + Network)	66% work of STP is completed
2.	Sayaji garden (7.5 MLD)	30% work is completed
3.	Channi (new) (50 MLD) (STP + Network)	17% work of STP is completed
4.	Atladara (new) (83 MLD)*	DPR Prepared & under approval. Tender under invitation (Grant requested at GUDM)
5.	Tarsali/GIDC (new) (100 MLD) (STP + Network)*	DPR prepared & under Scrutiny, Under financial approval (Grant requested at GUDM)
* (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 O/L 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 (as on 19.12.20)
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	Not complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Not 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 Naroda AUDA	7	7	Operational	
13	Ahmedabad Rasala	1	1	Operational	Complying
14	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
15	Ahmedabad V S Hospital	1	1	Operational	Complying
16	Ahmedabad Nikol	0.5	0.5	Operational	
17	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
18	Ahmedabad Lambha	5	2	Operational	Not Complying
19	Surat Singanpore 2003/2014	155	147.58	Operational	Complying
20	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	1999/2015				
21	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Complying
22	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
23	Surat Bamroli 2008/2019	100	77.9	Operational	Complying
24	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
25	Surat Khajod 2011	25	21.36	Operational	Complying
26	Surat Asarama 2011	15	19.23	Operational	Complying
27	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
28	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Complying
29	Surat Gavier 2016	53	5.37	Operational	Complying
30	Vadodara Tarsali	52	58	Operational	Not complying
31	Vadodara Gajarawadi	66	72	Operational	Partially complying
32	Vadodara Kapurai	43	50	Operational	Not complying
33	Vadodara Rajivnagar	78	32	Operational	Partially complying
34	Vadodara Sayaji garden	8.5	7	Operational	Under Modification
35	Vadodara Channi	21	25	Operational	Partially complying
36	Vadodara Atladara (old)	43	51	Operational	Partially complying
37	Vadodara Atladara (new)	43	54	Operational	Partially complying
38	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
39	Gandhinagar Sargasan 2012-13	10	3	Operational	Not complying
40	Gandhinagar Basan 2011-12	2	0.3	Operational	Not complying
41	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
42	Rajkot	56	15	Operational	Not complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	Raiyadhar 2017				
43	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not complying
44	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying
45	Rajkot Gavaridad 2018	70	30	Operational	Complying
46	Rajkot Madhapar 2019	80	20	Operational	Not Complying
47	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not obtained CTE
48	Bhavnagar Behind Excel industries	45	40	Operational	Complying
49	Jamnagar Navagam Ghed	70	65	Operational	Complying
50	Gandhidham - Anjar	30.00	22	Operational	Complying
51	Patan	25.00	13	Operational	Complying
52	Nadiad	51.26	20	Operational	Not complying
53	Siddhpur	5.62	5	Operational	Oxidation pond
54	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
55	Sanand	20.50	0	Non -Operational Under trial run	
56	Himmatnagar	17.51	6	Operational	Complying
57	Petlad	10.37	8	Operational	Complying
58	Dholka	13.60	8	Operational	STP was found under maintenance during the last visit, before that STP was complying with the norms.
59	Savarkundla	13.90	5	Operational	Oxidation pond
60	Gadhda	6.50	2	Operational	Oxidation pond
61	Kathlal	3.80	2.59	Operational	Oxidation pond
62	Mahudha	2.10	1.76	Operational	Oxidation pond
63	Bayad	4.00	2.06	Operational	Oxidation pond

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
64	Patadi	2.80	1.33	Operational	Oxidation pond
65	Sojitra	2.30	2	Operational	Oxidation pond
66	Dwarka	7.50	2.28	Operational	Not obtained CTE & CC&A
67	Godhra	27.60	4	Operational	Complying
68	Bhuj	23.70	19	Operational	Not Complying
69	Bhachau	10	4	Operational	
70	Anand	33	9	At commissioning stage	
71	Anand	13.5	2.5	Just been commissioned and yet to be visited.	
72	Surendranagar	32.3	17	Operational	Under final stage of Trial. Not obtained CTE & CC&A of the GPCB.
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	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ahmedabad Vinzol	100	70%	Completed	30/06/2021
2	Ahmedabad Pirana	155	78%	Completed	31/03/2021
3	Ahmedabad Maleksaban	30	01%	Completed	31/12/2022
4	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5	Ahmedabad saijpur lake	07	01%	Completed	31/12/2022

6	Surat Bhesan	100	90%	Completed	31/03/2021
7	Surat Singanpore	100	82%	Completed	30/06/2021
8	Surat Bhatar	115	56%	Completed	31/07/2021
9	Surat Bamroli	115	34%	Completed	30/04/2021
10	Surat Asarma	22.5	11%	Completed	30/09/2021
11	Surat Khajod	30	06%	Completed	30/09/2021
12	Vadodara Kapurai	60	66%	70%	30/06/2021
13	Vadodara Chhani	50	15%	Completed	31/12/2021
14	Vadodara Bhayli	45	08%	Completed	28/02/2022
15	Vadodara Sayaji garden	7.5	30%	Completed	30/06/2021
16	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17	Bhavnagar Axcel Industries	50	20%	Completed	31/05/2022
18	Junagadh Bilkha Road, Near CBSE School	8.2	20%	Completed	31/03/2021
19	Rajula	5.70	0.00%	Completed	09/07/2021
20	Bagasara	5.90	5.00%	Completed	09/07/2021
21	Chalala	2.80	78.00%	Completed	12/04/2021
22	Mahuva	16.30	30.00%	Completed	21/01/2021
23	Talaja	5.80	21.00%	Completed	31/12/2020
24	Una	11.70	46.00%	Completed	25/02/2021
25	Bantva	2.60	66.00%	Completed	31/12/2020
26	Dehgam	7.60	75.00%	Completed	31/03/2021
27	Mansa	5.00	13.00%	Completed	30/04/2021
28	Tharad	4.80	95.00%	Completed	31/12/2020
29	Dhanera	4.00	17.00%	Completed	31/03/2022
30	Bhabhar	3.50	25.00%	Completed	31/12/2021
31	Thara	3.60	14.00%	Completed	31/12/2021
32	Kadi	12.80	8.00%	Completed	28/07/2021
33	Unjha	11.60	48.00%	Completed	22/05/2021

34	Visnagar-1	12.00	75.00%	Completed	04/04/2021
35	Visnagar-2	5.30	14.00%	Completed	04/04/2021
36	Kheralu	2.90	26.00%	Completed	27/06/2021
37	Vijapur	4.10	5.00%	Completed	27/06/2021
38	Radhanpur	6.00	1.00%	98%	31/03/2022
39	Idar	7.40	63.00%	Completed	31/12/2020
40	Khedbrahma	5.80	37.00%	Completed	31/12/2020
41	Prantij	3.70	26.00%	Completed	31/12/2020
42	Talod	3.60	0.00%	Completed	12/05/2021
43	Vadali	3.80	0.00%	Completed	12/05/2021
44	Jambusar	5.90	32.00%	Completed	30/09/2021
45	Amod	3.10	1.00%	Completed	30/09/2021
46	Billimora	8.30	0.00%	Completed	31/12/2021
47	Gandevi	2.60	5.00%	Completed	05/03/2021
48	Bardoli	11.30	60.00%	Completed	31/12/2020
49	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
50	Vyara	6.50	72.00%	Completed	31/12/2020
51	Dharampur	4.10	25.00%	Completed	30/09/2021
52	Borsad	9.80	60.00%	Completed	31/12/2020
53	Umreth	6.10	29.00%	Completed	30/06/2021
54	Dahod	13.70	95.00%	Completed	31/12/2020
55	Zalod	4.60	75.00%	Completed	31/12/2020
56	Devgadhbariya	3.80	66.00%	Completed	31/03/2021
57	Santrampur	2.91	5.00%	Completed	31/03/2021
58	Kalol (P)	4.77	5.00%	Completed	04/04/2021
59	Shehra	2.80	0.00%	Completed	04/05/2021
60	Chhotaudepur	5.00	79.00%	Completed	31/12/2020
61	Padra	5.60	40.00%	Completed	02/03/2021
62	Viramgam	4.50	18.00%	Completed	30/05/2021
63	Bavla	5.80	2.00%	Completed	31/12/2021
64	Dhandhuka	7.50	81.00%	Completed	28/02/2021
65	Bareja	3.10	40.00%	Completed	21/02/2021
66	Chaklasi	4.90	0.00%	Completed	31/03/2022
67	Kapadwanj	6.20	0.00%	Completed	30/06/2021
68	Mehmdabad	5.60	36.00%	Completed	30/06/2021
69	Dakor	4.90	0.00%	Completed	30/06/2021
70	Kheda	5.20	5.00%	Completed	30/06/2021
71	Chotila-1	2.30	0.00%	Completed	31/03/2021
72	Chotila-2	1.70	0.00%	Completed	31/03/2021
73	Wadhwan	12.10	0.00%	Completed	31/03/2022
74	Dhangadhra	11.60	83.00%	Completed	28/02/2021
75	Barwala	2.90	6.00%	Completed	09/07/2021
76	Jasdan	8.80	95.00%	Completed	31/12/2020
77	Harij	3.00	0.00%	Completed	15/05/2021
78	Chanasma	2.50	0.00%	Completed	15/05/2021
79	Ode	2.50	0.00%	Completed	09/09/2021
80	Karjan	5.20	0.00%	Completed	14/06/2021

81	Vadnagar	5.94	95.00%	Completed	31/12/2020
82	Botad	32.00	86.00%	Completed	11/12/2020
83	Morbi-2	9.30	84.00%	Completed	31/12/2020
84	Jetpur	23.50	83.00%	Completed	31/12/2020
85	Gondal	16.50	43.00%	Completed	31/03/2021
86	Amreli	18.20	71.00%	Completed	31/12/2020
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%	31/12/2020
91	Vapi-1	14.00	40.00%	Completed	31/12/2020
92	Anand-3	6.50	80.00%	Completed	31/12/2020
93	Porbandar-1	12.80	80.00%	Completed	31/12/2020
94	Porbandar-2	19.10	90.00%	Completed	31/12/2020
95	Damnagar	2.80	0.00%	Completed	31/12/2021
96	Lathi	3.80	0.00%	Completed	31/12/2021
97	Keshod	13.30	0.00%	Completed	31/12/2021
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	Under financial approval	31/12/2022
3	Vadodara Atladara	83	Tender under invitation	31/12/2022
4	Vadodara Gajarawadi	93	DPR Stage	31/12/2022
5	Gandhinagar Sargasan	50	DPR Stage	31/12/2022
6	Bhavnagar Akwada	19.2	Work to be Awarded	31/12/2022
7	Jamnagar NrRangmati 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	Under Tender evaluation	31/12/2021
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	Under Tender evaluation	31/03/2022
18	Khambhat-2	4.50	Under Tender evaluation	31/03/2022
19	Anklav	3.60	Under Tender evaluation	31/03/2022
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
29	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
30	Wankaner	5.80	Tender tobe invited	31/03/2022
31	Chhaya	13.10	Under Tender evaluation	31/03/2022
32	Palitana	10.81	Under Tender evaluation	31/03/2022
33	Mandvi Surat	3.50	Under Tender evaluation	31/03/2022
34	Thangadh	9.00	Under Tender evaluation	31/03/2022
35	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
36	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
37	Vapi-2	29.53	DPR/DTP stage	31/03/2022
38	Babra	4.00	Tender tobe invited	31/12/2022
39	Kodinar	5.60	Tender tobe invited	31/12/2022
40	Sutrapada	4.00	Tender tobe invited	31/12/2022
41	Talala	3.80	Tender tobe invited	31/12/2022
42	Chorvad	3.70	Tender tobe invited	31/12/2022
43	Halol	11.60	Tender tobe invited	31/12/2022
44	Thasra	2.30	Tender tobe invited	31/12/2022
45	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
46	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
47	Jamraval	2.60	Tender tobe invited	31/12/2022
48	Dhrol	3.60	Tender tobe invited	31/12/2022
49	Kalavad	3.60	Tender Online	31/12/2022
50	Halvad	6.70	Under Tender evaluation	31/12/2022
51	Maliya	2.50	Tender tobe invited	31/12/2022
52	Kutiyana	2.90	Tender tobe invited	31/12/2022
53	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
54	Ranavav-2	4.50	Tender tobe invited	31/12/2022
55	Dhoraji	12.90	Tender tobe invited	31/12/2022
56	Bhayavadar	3.10	Tender tobe invited	31/12/2022
57	Manavadar	4.90	Under Tender evaluation	31/12/2022
58	Pethapur	3.80	Under Tender evaluation	31/12/2022
59	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
60	Umargam	6.48	Under Tender evaluation	31/12/2022
61	Dabhoi	8.96	Under Tender evaluation	31/12/2022

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

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 November-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)
292422-05/11/2020	RIVER VISHWAMITRI AT ASOD	7.92	17	0.6	8.3	17.0	110
292433-05/11/2020	RIVER VISHWAMITRI AT KHALIPUR	7.53	91	22	Nil	>1600	>1600

Annexure-II (B)

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

Sample ID and Date	Sampling Point	pH	COD	BOD	TDS
292173-03/11/2020	WATER PROJECT RAP BOREWELL AT HANUMAN TEMPLE ATLADRA	7.13	9.0	0.6	1422
292737-11/11/2020	WATER PROJECT RAP BOREWELL AT KAMATIBAUG	7.07	10	0.6	580

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**				
November 2020 (20/11/2020)	7.33	182	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**				
November 2020 (20/11/2020)	7.37	86	24	>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**				
November 2020	---	---	---	----	----

(20/11/2020) ***					
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**				
November 2020 (20/11/2020)	7.25	111	43	>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**				
November 2020 (20/11/2020)	7.35	26	7.0	>1600	>1600
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**				
November 2020 (20/11/2020)	7.56	55	17	>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**				
November 2020 (20/11/2020)	7.37	58	16	>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**				
November 2020 (20/11/2020)	7.56	57	19	>1600	>1600

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

**** standard as per last CCA**

*****STP(s) visited on 20/11/2020. 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 Pratapura sarovar (which are under Vadodara, Mahanagar sevasadan)is excess, the flood water is flowing in Vishwamitry River. Moreover there is disposal of domestic waste water and recycled sewage water from Vadodara Mahanagar sevasadan in Vishwamitry River which passes thorugh the Vadodara City. So the concerned authorities are requested to stop the disposal of water in Vishwamitry River. • Proposed plan to achieve min. e-flow: As Vishwamitri is Non-perennial River hence existing e-flow does not arise. 2. Detail of Good Irrigation Practices: • As there is no irrigation project on Vishwamitry River and in Vadodara to Asod no irrigation is prevailing. Hence no question arises about good irrigation practices. 3. Detail on Flood Plain Management Zone: 4. As far as 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 Mahangar SevaSadan According to Danger level of City Bridge the different low lying areas identified and people are warned through early warning arrangement in conclusion with local administration.

Annexure-IV

Details w.r.t point no.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

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	620.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**643.68**	**250**	**790.4**

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 November – 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: 31
- No. of Non-complying STPs: 17
- Partially complying STPs: 5
- STPs under maintenance / modification: 2
- STPs not obtained CTE / CC&A of GPCB: 2
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 4
- Details of STPs not available: 3
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**

  Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 23, ➢ Non complying: 11 *(as per CM dash board data for September-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 (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.:- 673/2018 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 9th RRC meeting held on 27.11.2020.	
XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:
Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms. STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.	
XXIV.	Regulation of Mining Activities in the State/UT:
Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.	
XXV.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring
• Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 . • Number of closure directions to defaulting units under section 31 A of Air Act – 1981: 5703 respectively. • Number of notice of directions to defaulting units under section 33 A of Water Act – 1974:	

17263.

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

(As per Annual report – 2018-19)

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

RRC meetings:

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

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

STPs:

Sr. No.	STP Proposed, if any	Status
1.	Kapurai (new) (60 MLD) (STP + Network)	66% work of STP is completed
2.	Sayaji garden (7.5 MLD)	30% work is completed
3.	Channi (new) (50 MLD) (STP + Network)	17% work of STP is completed
4.	Atladara (new) (83 MLD)*	DPR Prepared & under approval. Tender under invitation (Grant requested at GUDM)
5.	Tarsali/GIDC (new) (100 MLD) (STP + Network)	DPR prepared & under Scrutiny, Under financial approval (Grant requested at GUDM)
6.	Karjan nagarpalika (5.2 MLD)	Land is available. Tender has been recently awarded. LOI letter issued dt.10/06/2020. Survey Work and SBC work completed. 2% work completed

- Considering future quest up to 2035, new DPR was prepared for the 83 MLD capacity instead of 24 MLD capacity for Atladra , New STP.
- 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 (as on 19.12.20)
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	Not complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Not 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 Naroda AUDA	7	7	Operational	
13	Ahmedabad Rasala	1	1	Operational	Complying
14	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
15	Ahmedabad V S Hospital	1	1	Operational	Complying
16	Ahmedabad Nikol	0.5	0.5	Operational	
17	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
18	Ahmedabad Lambha	5	2	Operational	Not Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
19	Surat Singanpore 2003/2014	155	147.58	Operational	Complying
20	Surat Karanj 1999/2015	140	136.59	Operational	Complying
21	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Complying
22	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
23	Surat Bamroli 2008/2019	100	77.9	Operational	Complying
24	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
25	Surat Khajod 2011	25	21.36	Operational	Complying
26	Surat Asarama 2011	15	19.23	Operational	Complying
27	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
28	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Complying
29	Surat Gavier 2016	53	5.37	Operational	Complying
30	Vadodara Tarsali	52	58	Operational	Not complying
31	Vadodara Gajarawadi	66	72	Operational	Partially complying
32	Vadodara Kapurai	43	50	Operational	Not complying
33	Vadodara Rajivnagar	78	32	Operational	Partially complying
34	Vadodara Sayaji garden	8.5	7	Operational	Under Modification
35	Vadodara Channi	21	25	Operational	Partially complying
36	Vadodara Atladara (old)	43	51	Operational	Partially complying
37	Vadodara Atladara (new)	43	54	Operational	Partially complying
38	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
39	Gandhinagar	10	3	Operational	Not complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	Sargasan 2012-13				
40	Gandhinagar Basan 2011-12	2	0.3	Operational	Not complying
41	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
42	Rajkot Raiyadhar 2017	56	15	Operational	Not complying
43	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not complying
44	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying
45	Rajkot Gavaridad 2018	70	30	Operational	Complying
46	Rajkot Madhapar 2019	80	20	Operational	Not Complying
47	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not obtained CTE
48	Bhavnagar Behind Excel industries	45	40	Operational	Complying
49	Jamnagar Navagam Ghed	70	65	Operational	Complying
50	Gandhidham - Anjar	30.00	22	Operational	Complying
51	Patan	25.00	13	Operational	Complying
52	Nadiad	51.26	20	Operational	Not complying
53	Siddhpur	5.62	5	Operational	Oxidation pond
54	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
55	Sanand	20.50	0	Non -Operational Under trial run	
56	Himmatnagar	17.51	6	Operational	Complying
57	Petlad	10.37	8	Operational	Complying
58	Dholka	13.60	8	Operational	STP was found under maintenance during the last visit,

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
					before that STP was complying with the norms.
59	Savarkundla	13.90	5	Operational	Oxidation pond
60	Gadhda	6.50	2	Operational	Oxidation pond
61	Kathlal	3.80	2.59	Operational	Oxidation pond
62	Mahudha	2.10	1.76	Operational	Oxidation pond
63	Bayad	4.00	2.06	Operational	Oxidation pond
64	Patadi	2.80	1.33	Operational	Oxidation pond
65	Sojitra	2.30	2	Operational	Oxidation pond
66	Dwarka	7.50	2.28	Operational	Not obtained CTE & CC&A
67	Godhra	27.60	4	Operational	Complying
68	Bhuj	23.70	19	Operational	Not Complying
69	Bhachau	10	4	Operational	
70	Anand	33	9	At commissioning stage	
71	Anand	13.5	2.5	Just been commissioned and yet to be visited.	
72	Surendranagar	32.3	17	Operational	Under final stage of Trial. Not obtained CTE & CC&A of the GPCB.
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	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ahmedabad Vinzol	100	70%	Completed	30/06/2021
2	Ahmedabad Pirana	155	78%	Completed	31/03/2021
3	Ahmedabad Maleksaban	30	01%	Completed	31/12/2022
4	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5	Ahmedabad saijpur lake	07	01%	Completed	31/12/2022
6	Surat Bhesan	100	90%	Completed	31/03/2021
7	Surat Singanpore	100	82%	Completed	30/06/2021
8	Surat Bhatar	115	56%	Completed	31/07/2021
9	Surat Bamroli	115	34%	Completed	30/04/2021
10	Surat Asarma	22.5	11%	Completed	30/09/2021
11	Surat Khajod	30	06%	Completed	30/09/2021
12	Vadodara Kapurai	60	66%	70%	30/06/2021
13	Vadodara Chhani	50	15%	Completed	31/12/2021
14	Vadodara Bhayli	45	08%	Completed	28/02/2022
15	Vadodara Sayaji garden	7.5	30%	Completed	30/06/2021
16	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17	Bhavnagar Axcel Industries	50	20%	Completed	31/05/2022
18	Junagadh Bilkha Road, Near CBSE School	8.2	20%	Completed	31/03/2021
19	Rajula	5.70	0.00%	Completed	09/07/2021
20	Bagasara	5.90	5.00%	Completed	09/07/2021
21	Chalala	2.80	78.00%	Completed	12/04/2021
22	Mahuva	16.30	30.00%	Completed	21/01/2021
23	Talaja	5.80	21.00%	Completed	31/12/2020

24	Una	11.70	46.00%	Completed	25/02/2021
25	Bantva	2.60	66.00%	Completed	31/12/2020
26	Dehgam	7.60	75.00%	Completed	31/03/2021
27	Mansa	5.00	13.00%	Completed	30/04/2021
28	Tharad	4.80	95.00%	Completed	31/12/2020
29	Dhanera	4.00	17.00%	Completed	31/03/2022
30	Bhabhar	3.50	25.00%	Completed	31/12/2021
31	Thara	3.60	14.00%	Completed	31/12/2021
32	Kadi	12.80	8.00%	Completed	28/07/2021
33	Unjha	11.60	48.00%	Completed	22/05/2021
34	Visnagar-1	12.00	75.00%	Completed	04/04/2021
35	Visnagar-2	5.30	14.00%	Completed	04/04/2021
36	Kheralu	2.90	26.00%	Completed	27/06/2021
37	Vijapur	4.10	5.00%	Completed	27/06/2021
38	Radhanpur	6.00	1.00%	98%	31/03/2022
39	Idar	7.40	63.00%	Completed	31/12/2020
40	Khedbrahma	5.80	37.00%	Completed	31/12/2020
41	Prantij	3.70	26.00%	Completed	31/12/2020
42	Talod	3.60	0.00%	Completed	12/05/2021
43	Vadali	3.80	0.00%	Completed	12/05/2021
44	Jambusar	5.90	32.00%	Completed	30/09/2021
45	Amod	3.10	1.00%	Completed	30/09/2021
46	Billimora	8.30	0.00%	Completed	31/12/2021
47	Gandevi	2.60	5.00%	Completed	05/03/2021
48	Bardoli	11.30	60.00%	Completed	31/12/2020
49	Kanakpur Kansad	7.80	0.00%	Completed	31/03/2022
50	Vyara	6.50	72.00%	Completed	31/12/2020
51	Dharampur	4.10	25.00%	Completed	30/09/2021
52	Borsad	9.80	60.00%	Completed	31/12/2020
53	Umreth	6.10	29.00%	Completed	30/06/2021
54	Dahod	13.70	95.00%	Completed	31/12/2020
55	Zalod	4.60	75.00%	Completed	31/12/2020
56	Devgadhbariya	3.80	66.00%	Completed	31/03/2021
57	Santrampur	2.91	5.00%	Completed	31/03/2021
58	Kalol (P)	4.77	5.00%	Completed	04/04/2021
59	Shehra	2.80	0.00%	Completed	04/05/2021
60	Chhotaudepur	5.00	79.00%	Completed	31/12/2020
61	Padra	5.60	40.00%	Completed	02/03/2021
62	Viramgam	4.50	18.00%	Completed	30/05/2021
63	Bavla	5.80	2.00%	Completed	31/12/2021
64	Dhandhuka	7.50	81.00%	Completed	28/02/2021
65	Bareja	3.10	40.00%	Completed	21/02/2021
66	Chaklasi	4.90	0.00%	Completed	31/03/2022

67	Kapadwanj	6.20	0.00%	Completed	30/06/2021
68	Mehmdabad	5.60	36.00%	Completed	30/06/2021
69	Dakor	4.90	0.00%	Completed	30/06/2021
70	Kheda	5.20	5.00%	Completed	30/06/2021
71	Chotila-1	2.30	0.00%	Completed	31/03/2021
72	Chotila-2	1.70	0.00%	Completed	31/03/2021
73	Wadhwan	12.10	0.00%	Completed	31/03/2022
74	Dhangadhra	11.60	83.00%	Completed	28/02/2021
75	Barwala	2.90	6.00%	Completed	09/07/2021
76	Jasdan	8.80	95.00%	Completed	31/12/2020
77	Harij	3.00	0.00%	Completed	15/05/2021
78	Chanasma	2.50	0.00%	Completed	15/05/2021
79	Ode	2.50	0.00%	Completed	09/09/2021
80	Karjan	5.20	0.00%	Completed	14/06/2021
81	Vadnagar	5.94	95.00%	Completed	31/12/2020
82	Botad	32.00	86.00%	Completed	11/12/2020
83	Morbi-2	9.30	84.00%	Completed	31/12/2020
84	Jetpur	23.50	83.00%	Completed	31/12/2020
85	Gondal	16.50	43.00%	Completed	31/03/2021
86	Amreli	18.20	71.00%	Completed	31/12/2020
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%	31/12/2020
91	Vapi-1	14.00	40.00%	Completed	31/12/2020
92	Anand-3	6.50	80.00%	Completed	31/12/2020
93	Porbandar-1	12.80	80.00%	Completed	31/12/2020
94	Porbandar-2	19.10	90.00%	Completed	31/12/2020
95	Damnagar	2.80	0.00%	Completed	31/12/2021
96	Lathi	3.80	0.00%	Completed	31/12/2021
97	Keshod	13.30	0.00%	Completed	31/12/2021
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	Under financial approval	31/12/2022
3	Vadodara Atladara	83	Tender under invitation	31/12/2022
4	Vadodara Gajarawadi	93	DPR Stage	31/12/2022
5	Gandhinagar Sargasan	50	DPR Stage	31/12/2022
6	Bhavnagar Akwada	19.2	Work to be Awarded	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	Under Tender evaluation	31/12/2021
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	Under Tender evaluation	31/03/2022
18	Khambhat-2	4.50	Under Tender evaluation	31/03/2022
19	Anklav	3.60	Under Tender evaluation	31/03/2022
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	31/03/2022

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

60	Umargam	6.48	Under Tender evaluation	31/12/2022
61	Dabhoi	8.96	Under Tender evaluation	31/12/2022
62	Sikka	2.90	Tender Online	31/12/2022
63	Valsad-2	15.00	DPR/DTP stage	31/03/2022
64	Mahesana-1	23.18	Tender Online	31/03/2022
65	Mahesana-2	18.46	Tender Online	31/03/2022
66	Jafrabad	5.4	DPR/DTP stage	31/12/2022
67	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
68	Shihor	8.9	Tender tobe invited	31/12/2022
69	Mangrol	9.6	DPR/DTP stage	31/12/2022
70	Vanthli	2.2	DPR/DTP stage	31/12/2022
71	Modasa	12.0	DPR/DTP stage	31/12/2022
72	Tarsadi	5.8	DPR/DTP stage	31/12/2022
73	Songadh	4.5	Tender tobe invited	31/12/2022
74	Pardi	4.6	Tender tobe invited	31/12/2022
75	Karamsad	6.0	Tender tobe invited	31/12/2022
76	Limdi	7.4	DPR/DTP stage	31/12/2022
77	Bhachau	1.0	Tender tobe invited	31/12/2022
78	Rapar	5.2	Tender tobe invited	31/12/2022
79	Upleta	8.9	DPR/DTP stage	31/12/2022
80	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

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)
292258-04/11/2020	River Dhadhar At Kothwada	7.31	40	3.95	0.9	>1600	>1600
292262-04/11/2020	River Dhadhar At Village Pingalwada	7.89	6	0.9	7.8	240	47

Note:- Priority V as per September, October and November 2020 MPRs

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**				
November 2020 (20/11/2020)	7.33	182	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**				
November 2020 (20/11/2020)	7.37	86	24	>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**				
November 2020 (20/11/2020) ***	---	---	---	----	----
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**				
November 2020 (20/11/2020)	7.25	111	43	>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**				
November 2020 (20/11/2020)	7.35	26	7.0	>1600	>1600
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**				
November 2020 (20/11/2020)	7.56	55	17	>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				
November 2020 (20/11/2020)	7.37	58	16	>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**				
November 2020 (20/11/2020)	7.56	57	19	>1600	>1600

***standards as per last CCA , applied for renewal**
**** standard as per last CCA**
*****STP(s) visited on 20/11/2020. 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
292186-03/11/2020	Borewell At Por Gidc Office	7.24	10	0.6	1632

Annexure-III

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

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

Annexure-IV

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

Stretch/river	Existing plantation/vegetation cover details	Proposed plan to cover remaining gap along river /river stretch	Time limit	Remarks
Dhadhar	Existing vegetation covered by Propopis juliflora & 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

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	620.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**643.68**	**250**	**790.4**

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 November – 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: 31
- No. of Non-complying STPs: 17
- Partially complying STPs: 5
- STPs under maintenance / modification: 2
- STPs not obtained CTE / CC&A of GPCB: 2
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 4
- Details of STPs not available: 3
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 23, ➢ Non complying: 11 *(as per CM dash board data for September-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. 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 9th RRC meeting held on 27.11.2020.	
XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:
Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms. STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.	
XXIV.	Regulation of Mining Activities in the State/UT:
Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.	
XXV.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring
• Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 . • Number of closure directions to defaulting units under section 31 A of Air Act – 1981: 5703 respectively. • Number of notice of directions to defaulting units under section 33 A of Water Act – 1974: 17263. • Number of closure directions to defaulting units under section 33 A of Water Act – 1974: 11383. • Number of notice of directions under rule 4(2) of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 4130 • Number of closure directions under section 5 of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 1583 (As per Annual report – 2018-19)	

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

RRC meetings:

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

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

STPs:

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

CETPs:

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

Annexure-I (A)

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
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	Not complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Not 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 Naroda AUDA	7	7	Operational	
13	Ahmedabad Rasala	1	1	Operational	Complying
14	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
15	Ahmedabad V S Hospital	1	1	Operational	Complying
16	Ahmedabad Nikol	0.5	0.5	Operational	
17	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
18	Ahmedabad Lambha	5	2	Operational	Not Complying
19	Surat Singanpore 2003/2014	155	147.58	Operational	Complying
20	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	1999/2015				
21	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Complying
22	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
23	Surat Bamroli 2008/2019	100	77.9	Operational	Complying
24	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
25	Surat Khajod 2011	25	21.36	Operational	Complying
26	Surat Asarama 2011	15	19.23	Operational	Complying
27	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
28	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Complying
29	Surat Gavier 2016	53	5.37	Operational	Complying
30	Vadodara Tarsali	52	58	Operational	Not complying
31	Vadodara Gajarawadi	66	72	Operational	Partially complying
32	Vadodara Kapurai	43	50	Operational	Not complying
33	Vadodara Rajivnagar	78	32	Operational	Partially complying
34	Vadodara Sayaji garden	8.5	7	Operational	Under Modification
35	Vadodara Channi	21	25	Operational	Partially complying
36	Vadodara Atladara (old)	43	51	Operational	Partially complying
37	Vadodara Atladara (new)	43	54	Operational	Partially complying
38	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
39	Gandhinagar Sargasan 2012-13	10	3	Operational	Not complying
40	Gandhinagar Basan 2011-12	2	0.3	Operational	Not complying
41	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
42	Rajkot	56	15	Operational	Not complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	Raiyadhar 2017				
43	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not complying
44	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying
45	Rajkot Gavaridad 2018	70	30	Operational	Complying
46	Rajkot Madhapar 2019	80	20	Operational	Not Complying
47	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not obtained CTE
48	Bhavnagar Behind Excel industries	45	40	Operational	Complying
49	Jamnagar Navagam Ghed	70	65	Operational	Complying
50	Gandhidham - Anjar	30.00	22	Operational	Complying
51	Patan	25.00	13	Operational	Complying
52	Nadiad	51.26	20	Operational	Not complying
53	Siddhpur	5.62	5	Operational	Oxidation pond
54	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
55	Sanand	20.50	0	Non -Operational Under trial run	
56	Himmatnagar	17.51	6	Operational	Complying
57	Petlad	10.37	8	Operational	Complying
58	Dholka	13.60	8	Operational	STP was found under maintenance during the last visit, before that STP was complying with the norms.
59	Savarkundla	13.90	5	Operational	Oxidation pond
60	Gadhda	6.50	2	Operational	Oxidation pond
61	Kathlal	3.80	2.59	Operational	Oxidation pond
62	Mahudha	2.10	1.76	Operational	Oxidation pond
63	Bayad	4.00	2.06	Operational	Oxidation pond

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
64	Patadi	2.80	1.33	Operational	Oxidation pond
65	Sojitra	2.30	2	Operational	Oxidation pond
66	Dwarka	7.50	2.28	Operational	Not obtained CTE & CC&A
67	Godhra	27.60	4	Operational	Complying
68	Bhuj	23.70	19	Operational	Not Complying
69	Bhachau	10	4	Operational	
70	Anand	33	9	At commissioning stage	
71	Anand	13.5	2.5	Just been commissioned and yet to be visited.	
72	Surendranagar	32.3	17	Operational	Under final stage of Trial. Not obtained CTE & CC&A of the GPCB.
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	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ahmedabad Vinzol	100	70%	Completed	30/06/2021
2	Ahmedabad Pirana	155	78%	Completed	31/03/2021
3	Ahmedabad Maleksaban	30	01%	Completed	31/12/2022
4	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5	Ahmedabad saijpur lake	07	01%	Completed	31/12/2022
6	Surat Bhesan	100	90%	Completed	31/03/2021

7	Surat Singanpore	100	82%	Completed	30/06/2021
8	Surat Bhatar	115	56%	Completed	31/07/2021
9	Surat Bamroli	115	34%	Completed	30/04/2021
10	Surat Asarma	22.5	11%	Completed	30/09/2021
11	Surat Khajod	30	06%	Completed	30/09/2021
12	Vadodara Kapurai	60	66%	70%	30/06/2021
13	Vadodara Chhani	50	15%	Completed	31/12/2021
14	Vadodara Bhayli	45	08%	Completed	28/02/2022
15	Vadodara Sayaji garden	7.5	30%	Completed	30/06/2021
16	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17	Bhavnagar Axcel Industries	50	20%	Completed	31/05/2022
18	Junagadh Bilkha Road, Near CBSE School	8.2	20%	Completed	31/03/2021
19	Rajula	5.70	0.00%	Completed	09/07/2021
20	Bagasara	5.90	5.00%	Completed	09/07/2021
21	Chalala	2.80	78.00%	Completed	12/04/2021
22	Mahuva	16.30	30.00%	Completed	21/01/2021
23	Talaja	5.80	21.00%	Completed	31/12/2020
24	Una	11.70	46.00%	Completed	25/02/2021
25	Bantva	2.60	66.00%	Completed	31/12/2020
26	Dehgam	7.60	75.00%	Completed	31/03/2021
27	Mansa	5.00	13.00%	Completed	30/04/2021
28	Tharad	4.80	95.00%	Completed	31/12/2020
29	Dhanera	4.00	17.00%	Completed	31/03/2022
30	Bhabhar	3.50	25.00%	Completed	31/12/2021
31	Thara	3.60	14.00%	Completed	31/12/2021
32	Kadi	12.80	8.00%	Completed	28/07/2021
33	Unjha	11.60	48.00%	Completed	22/05/2021
34	Visnagar-1	12.00	75.00%	Completed	04/04/2021
35	Visnagar-2	5.30	14.00%	Completed	04/04/2021

36	Kheralu	2.90	26.00%	Completed	27/06/2021
37	Vijapur	4.10	5.00%	Completed	27/06/2021
38	Radhanpur	6.00	1.00%	98%	31/03/2022
39	Idar	7.40	63.00%	Completed	31/12/2020
40	Khedbrahma	5.80	37.00%	Completed	31/12/2020
41	Prantij	3.70	26.00%	Completed	31/12/2020
42	Talod	3.60	0.00%	Completed	12/05/2021
43	Vadali	3.80	0.00%	Completed	12/05/2021
44	Jambusar	5.90	32.00%	Completed	30/09/2021
45	Amod	3.10	1.00%	Completed	30/09/2021
46	Billimora	8.30	0.00%	Completed	31/12/2021
47	Gandevi	2.60	5.00%	Completed	05/03/2021
48	Bardoli	11.30	60.00%	Completed	31/12/2020
49	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
50	Vyara	6.50	72.00%	Completed	31/12/2020
51	Dharampur	4.10	25.00%	Completed	30/09/2021
52	Borsad	9.80	60.00%	Completed	31/12/2020
53	Umreth	6.10	29.00%	Completed	30/06/2021
54	Dahod	13.70	95.00%	Completed	31/12/2020
55	Zalod	4.60	75.00%	Completed	31/12/2020
56	Devgadhbariya	3.80	66.00%	Completed	31/03/2021
57	Santrampur	2.91	5.00%	Completed	31/03/2021
58	Kalol (P)	4.77	5.00%	Completed	04/04/2021
59	Shehra	2.80	0.00%	Completed	04/05/2021
60	Chhotaudepur	5.00	79.00%	Completed	31/12/2020
61	Padra	5.60	40.00%	Completed	02/03/2021
62	Viramgam	4.50	18.00%	Completed	30/05/2021
63	Bavla	5.80	2.00%	Completed	31/12/2021
64	Dhandhuka	7.50	81.00%	Completed	28/02/2021
65	Bareja	3.10	40.00%	Completed	21/02/2021
66	Chaklasi	4.90	0.00%	Completed	31/03/2022
67	Kapadwanj	6.20	0.00%	Completed	30/06/2021
68	Mehmdabad	5.60	36.00%	Completed	30/06/2021
69	Dakor	4.90	0.00%	Completed	30/06/2021
70	Kheda	5.20	5.00%	Completed	30/06/2021
71	Chotila-1	2.30	0.00%	Completed	31/03/2021
72	Chotila-2	1.70	0.00%	Completed	31/03/2021
73	Wadhwan	12.10	0.00%	Completed	31/03/2022
74	Dhangadhra	11.60	83.00%	Completed	28/02/2021
75	Barwala	2.90	6.00%	Completed	09/07/2021
76	Jasdan	8.80	95.00%	Completed	31/12/2020
77	Harij	3.00	0.00%	Completed	15/05/2021
78	Chanasma	2.50	0.00%	Completed	15/05/2021
79	Ode	2.50	0.00%	Completed	09/09/2021
80	Karjan	5.20	0.00%	Completed	14/06/2021
81	Vadnagar	5.94	95.00%	Completed	31/12/2020
82	Botad	32.00	86.00%	Completed	11/12/2020

83	Morbi-2	9.30	84.00%	Completed	31/12/2020
84	Jetpur	23.50	83.00%	Completed	31/12/2020
85	Gondal	16.50	43.00%	Completed	31/03/2021
86	Amreli	18.20	71.00%	Completed	31/12/2020
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%	31/12/2020
91	Vapi-1	14.00	40.00%	Completed	31/12/2020
92	Anand-3	6.50	80.00%	Completed	31/12/2020
93	Porbandar-1	12.80	80.00%	Completed	31/12/2020
94	Porbandar-2	19.10	90.00%	Completed	31/12/2020
95	Damnagar	2.80	0.00%	Completed	31/12/2021
96	Lathi	3.80	0.00%	Completed	31/12/2021
97	Keshod	13.30	0.00%	Completed	31/12/2021
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	Gandhinagar Sargasan	50	DPR Stage	31/12/2022
6	Bhavnagar Akwada	19.2	Work to be Awarded	31/12/2022
7	Jamnagar NrRangmati 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	Under Tender evaluation	31/12/2021
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	Under Tender evaluation	31/03/2022

18	Khambhat-2	4.50	Under Tender evaluation	31/03/2022
19	Anklav	3.60	Under Tender evaluation	31/03/2022
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
29	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
30	Wankaner	5.80	Tender tobe invited	31/03/2022
31	Chhaya	13.10	Under Tender evaluation	31/03/2022
32	Palitana	10.81	Under Tender evaluation	31/03/2022
33	Mandvi Surat	3.50	Under Tender evaluation	31/03/2022
34	Thangadh	9.00	Under Tender evaluation	31/03/2022
35	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
36	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
37	Vapi-2	29.53	DPR/DTP stage	31/03/2022
38	Babra	4.00	Tender tobe invited	31/12/2022
39	Kodinar	5.60	Tender tobe invited	31/12/2022
40	Sutrapada	4.00	Tender tobe invited	31/12/2022
41	Talala	3.80	Tender tobe invited	31/12/2022
42	Chorvad	3.70	Tender tobe invited	31/12/2022
43	Halol	11.60	Tender tobe invited	31/12/2022
44	Thasra	2.30	Tender tobe invited	31/12/2022
45	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
46	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
47	Jamraval	2.60	Tender tobe invited	31/12/2022
48	Dhrol	3.60	Tender tobe invited	31/12/2022
49	Kalavad	3.60	Tender Online	31/12/2022
50	Halvad	6.70	Under Tender evaluation	31/12/2022
51	Maliya	2.50	Tender tobe invited	31/12/2022
52	Kutiyana	2.90	Tender tobe invited	31/12/2022
53	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
54	Ranavav-2	4.50	Tender tobe invited	31/12/2022
55	Dhoraji	12.90	Tender tobe invited	31/12/2022
56	Bhayavadar	3.10	Tender tobe invited	31/12/2022
57	Manavadar	4.90	Under Tender evaluation	31/12/2022
58	Pethapur	3.80	Under Tender evaluation	31/12/2022
59	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
60	Umargam	6.48	Under Tender evaluation	31/12/2022
61	Dabhoi	8.96	Under Tender evaluation	31/12/2022
62	Sikka	2.90	Tender Online	31/12/2022
63	Valsad-2	15.00	DPR/DTP stage	31/03/2022
64	Mahesana-1	23.18	Tender Online	31/03/2022
65	Mahesana-2	18.46	Tender Online	31/03/2022
66	Jafrabad	5.4	DPR/DTP stage	31/12/2022

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

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 November-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	5.7	8.23	2.9	15.50	<1.8	<1.8

Note:- Does not fall in any Priority as per June-2020 to Nov-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

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	620.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**643.68**	**250**	**790.4**

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 November – 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: 31
- No. of Non-complying STPs: 17
- Partially complying STPs: 5
- STPs under maintenance / modification: 2
- STPs not obtained CTE / CC&A of GPCB: 2
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 4
- Details of STPs not available: 3
- 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: 23, ➢ Non complying: 11 *(as per CM dash board data for September-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 (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. 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 9th RRC meeting held on 27.11.2020.	

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

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

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

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

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

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

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

(As per Annual report – 2018-19)

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

RRC meetings:

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

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

STPs: Work for management of sewage, from villages being discharged in to the 6 PRS, has been assigned to GWSSB during the meeting held on 22/10/2020 under the chairmanship of Additional Chief Secretary, Panchayat. With reference to the instructions giving during the 9th RRC meeting held on 27/11/2020, PRHRDD vide letter dated 09/12/2020 asked GWSSB to submit preliminary report comprising of details like strategy for management of sewage from villages along the 6 PRS (i.e individual or cluster based approach), expected cost & timeline for completion and other relevant details.

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 (as on 19.12.20)
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	Not complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Not 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 Naroda AUDA	7	7	Operational	
13	Ahmedabad Rasala	1	1	Operational	Complying
14	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
15	Ahmedabad V S Hospital	1	1	Operational	Complying
16	Ahmedabad Nikol	0.5	0.5	Operational	
17	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
18	Ahmedabad Lambha	5	2	Operational	Not Complying
19	Surat Singanpore 2003/2014	155	147.58	Operational	Complying
20	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	1999/2015				
21	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Complying
22	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
23	Surat Bamroli 2008/2019	100	77.9	Operational	Complying
24	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
25	Surat Khajod 2011	25	21.36	Operational	Complying
26	Surat Asarama 2011	15	19.23	Operational	Complying
27	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
28	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Complying
29	Surat Gavier 2016	53	5.37	Operational	Complying
30	Vadodara Tarsali	52	58	Operational	Not complying
31	Vadodara Gajarawadi	66	72	Operational	Partially complying
32	Vadodara Kapurai	43	50	Operational	Not complying
33	Vadodara Rajivnagar	78	32	Operational	Partially complying
34	Vadodara Sayaji garden	8.5	7	Operational	Under Modification
35	Vadodara Channi	21	25	Operational	Partially complying
36	Vadodara Atladara (old)	43	51	Operational	Partially complying
37	Vadodara Atladara (new)	43	54	Operational	Partially complying
38	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
39	Gandhinagar Sargasan 2012-13	10	3	Operational	Not complying
40	Gandhinagar Basan 2011-12	2	0.3	Operational	Not complying
41	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
42	Rajkot	56	15	Operational	Not complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	Raiyadhar 2017				
43	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not complying
44	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying
45	Rajkot Gavaridad 2018	70	30	Operational	Complying
46	Rajkot Madhapar 2019	80	20	Operational	Not Complying
47	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not obtained CTE
48	Bhavnagar Behind Excel industries	45	40	Operational	Complying
49	Jamnagar Navagam Ghed	70	65	Operational	Complying
50	Gandhidham - Anjar	30.00	22	Operational	Complying
51	Patan	25.00	13	Operational	Complying
52	Nadiad	51.26	20	Operational	Not complying
53	Siddhpur	5.62	5	Operational	Oxidation pond
54	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
55	Sanand	20.50	0	Non -Operational Under trial run	
56	Himmatnagar	17.51	6	Operational	Complying
57	Petlad	10.37	8	Operational	Complying
58	Dholka	13.60	8	Operational	STP was found under maintenance during the last visit, before that STP was complying with the norms.
59	Savarkundla	13.90	5	Operational	Oxidation pond
60	Gadhda	6.50	2	Operational	Oxidation pond
61	Kathlal	3.80	2.59	Operational	Oxidation pond
62	Mahudha	2.10	1.76	Operational	Oxidation pond
63	Bayad	4.00	2.06	Operational	Oxidation pond

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
64	Patadi	2.80	1.33	Operational	Oxidation pond
65	Sojitra	2.30	2	Operational	Oxidation pond
66	Dwarka	7.50	2.28	Operational	Not obtained CTE & CC&A
67	Godhra	27.60	4	Operational	Complying
68	Bhuj	23.70	19	Operational	Not Complying
69	Bhachau	10	4	Operational	
70	Anand	33	9	At commissioning stage	
71	Anand	13.5	2.5	Just been commissioned and yet to be visited.	
72	Surendranagar	32.3	17	Operational	Under final stage of Trial. Not obtained CTE & CC&A of the GPCB.
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	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ahmedabad Vinzol	100	70%	Completed	30/06/2021
2	Ahmedabad Pirana	155	78%	Completed	31/03/2021
3	Ahmedabad Maleksaban	30	01%	Completed	31/12/2022
4	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5	Ahmedabad saijpur lake	07	01%	Completed	31/12/2022

6	Surat Bhesan	100	90%	Completed	31/03/2021
7	Surat Singanpore	100	82%	Completed	30/06/2021
8	Surat Bhatar	115	56%	Completed	31/07/2021
9	Surat Bamroli	115	34%	Completed	30/04/2021
10	Surat Asarma	22.5	11%	Completed	30/09/2021
11	Surat Khajod	30	06%	Completed	30/09/2021
12	Vadodara Kapurai	60	66%	70%	30/06/2021
13	Vadodara Chhani	50	15%	Completed	31/12/2021
14	Vadodara Bhayli	45	08%	Completed	28/02/2022
15	Vadodara Sayaji garden	7.5	30%	Completed	30/06/2021
16	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17	Bhavnagar Axcel Industries	50	20%	Completed	31/05/2022
18	Junagadh Bilkha Road, Near CBSE School	8.2	20%	Completed	31/03/2021
19	Rajula	5.70	0.00%	Completed	09/07/2021
20	Bagasara	5.90	5.00%	Completed	09/07/2021
21	Chalala	2.80	78.00%	Completed	12/04/2021
22	Mahuva	16.30	30.00%	Completed	21/01/2021
23	Talaja	5.80	21.00%	Completed	31/12/2020
24	Una	11.70	46.00%	Completed	25/02/2021
25	Bantva	2.60	66.00%	Completed	31/12/2020
26	Dehgam	7.60	75.00%	Completed	31/03/2021
27	Mansa	5.00	13.00%	Completed	30/04/2021
28	Tharad	4.80	95.00%	Completed	31/12/2020
29	Dhanera	4.00	17.00%	Completed	31/03/2022
30	Bhabhar	3.50	25.00%	Completed	31/12/2021
31	Thara	3.60	14.00%	Completed	31/12/2021
32	Kadi	12.80	8.00%	Completed	28/07/2021
33	Unjha	11.60	48.00%	Completed	22/05/2021

34	Visnagar-1	12.00	75.00%	Completed	04/04/2021
35	Visnagar-2	5.30	14.00%	Completed	04/04/2021
36	Kheralu	2.90	26.00%	Completed	27/06/2021
37	Vijapur	4.10	5.00%	Completed	27/06/2021
38	Radhanpur	6.00	1.00%	98%	31/03/2022
39	Idar	7.40	63.00%	Completed	31/12/2020
40	Khedbrahma	5.80	37.00%	Completed	31/12/2020
41	Prantij	3.70	26.00%	Completed	31/12/2020
42	Talod	3.60	0.00%	Completed	12/05/2021
43	Vadali	3.80	0.00%	Completed	12/05/2021
44	Jambusar	5.90	32.00%	Completed	30/09/2021
45	Amod	3.10	1.00%	Completed	30/09/2021
46	Billimora	8.30	0.00%	Completed	31/12/2021
47	Gandevi	2.60	5.00%	Completed	05/03/2021
48	Bardoli	11.30	60.00%	Completed	31/12/2020
49	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
50	Vyara	6.50	72.00%	Completed	31/12/2020
51	Dharampur	4.10	25.00%	Completed	30/09/2021
52	Borsad	9.80	60.00%	Completed	31/12/2020
53	Umreth	6.10	29.00%	Completed	30/06/2021
54	Dahod	13.70	95.00%	Completed	31/12/2020
55	Zalod	4.60	75.00%	Completed	31/12/2020
56	Devgadhbariya	3.80	66.00%	Completed	31/03/2021
57	Santrampur	2.91	5.00%	Completed	31/03/2021
58	Kalol (P)	4.77	5.00%	Completed	04/04/2021
59	Shehra	2.80	0.00%	Completed	04/05/2021
60	Chhotaudepur	5.00	79.00%	Completed	31/12/2020
61	Padra	5.60	40.00%	Completed	02/03/2021
62	Viramgam	4.50	18.00%	Completed	30/05/2021
63	Bavla	5.80	2.00%	Completed	31/12/2021
64	Dhandhuka	7.50	81.00%	Completed	28/02/2021
65	Bareja	3.10	40.00%	Completed	21/02/2021
66	Chaklasi	4.90	0.00%	Completed	31/03/2022
67	Kapadwanj	6.20	0.00%	Completed	30/06/2021
68	Mehmdabad	5.60	36.00%	Completed	30/06/2021
69	Dakor	4.90	0.00%	Completed	30/06/2021
70	Kheda	5.20	5.00%	Completed	30/06/2021
71	Chotila-1	2.30	0.00%	Completed	31/03/2021
72	Chotila-2	1.70	0.00%	Completed	31/03/2021
73	Wadhwan	12.10	0.00%	Completed	31/03/2022
74	Dhangadhra	11.60	83.00%	Completed	28/02/2021
75	Barwala	2.90	6.00%	Completed	09/07/2021
76	Jasdan	8.80	95.00%	Completed	31/12/2020
77	Harij	3.00	0.00%	Completed	15/05/2021
78	Chanasma	2.50	0.00%	Completed	15/05/2021
79	Ode	2.50	0.00%	Completed	09/09/2021
80	Karjan	5.20	0.00%	Completed	14/06/2021

81	Vadnagar	5.94	95.00%	Completed	31/12/2020
82	Botad	32.00	86.00%	Completed	11/12/2020
83	Morbi-2	9.30	84.00%	Completed	31/12/2020
84	Jetpur	23.50	83.00%	Completed	31/12/2020
85	Gondal	16.50	43.00%	Completed	31/03/2021
86	Amreli	18.20	71.00%	Completed	31/12/2020
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%	31/12/2020
91	Vapi-1	14.00	40.00%	Completed	31/12/2020
92	Anand-3	6.50	80.00%	Completed	31/12/2020
93	Porbandar-1	12.80	80.00%	Completed	31/12/2020
94	Porbandar-2	19.10	90.00%	Completed	31/12/2020
95	Damnagar	2.80	0.00%	Completed	31/12/2021
96	Lathi	3.80	0.00%	Completed	31/12/2021
97	Keshod	13.30	0.00%	Completed	31/12/2021
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	Gandhinagar Sargasan	50	DPR Stage	31/12/2022
6	Bhavnagar Akwada	19.2	Work to be Awarded	31/12/2022
7	Jamnagar NrRangmati 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	Under Tender evaluation	31/12/2021
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	Under Tender evaluation	31/03/2022
18	Khambhat-2	4.50	Under Tender evaluation	31/03/2022
19	Anklav	3.60	Under Tender evaluation	31/03/2022
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
29	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
30	Wankaner	5.80	Tender tobe invited	31/03/2022
31	Chhaya	13.10	Under Tender evaluation	31/03/2022
32	Palitana	10.81	Under Tender evaluation	31/03/2022
33	Mandvi Surat	3.50	Under Tender evaluation	31/03/2022
34	Thangadh	9.00	Under Tender evaluation	31/03/2022
35	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
36	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
37	Vapi-2	29.53	DPR/DTP stage	31/03/2022
38	Babra	4.00	Tender tobe invited	31/12/2022
39	Kodinar	5.60	Tender tobe invited	31/12/2022
40	Sutrapada	4.00	Tender tobe invited	31/12/2022
41	Talala	3.80	Tender tobe invited	31/12/2022
42	Chorvad	3.70	Tender tobe invited	31/12/2022
43	Halol	11.60	Tender tobe invited	31/12/2022
44	Thasra	2.30	Tender tobe invited	31/12/2022
45	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
46	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
47	Jamraval	2.60	Tender tobe invited	31/12/2022
48	Dhrol	3.60	Tender tobe invited	31/12/2022
49	Kalavad	3.60	Tender Online	31/12/2022
50	Halvad	6.70	Under Tender evaluation	31/12/2022
51	Maliya	2.50	Tender tobe invited	31/12/2022
52	Kutiyana	2.90	Tender tobe invited	31/12/2022
53	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
54	Ranavav-2	4.50	Tender tobe invited	31/12/2022
55	Dhoraji	12.90	Tender tobe invited	31/12/2022
56	Bhayavadar	3.10	Tender tobe invited	31/12/2022
57	Manavadar	4.90	Under Tender evaluation	31/12/2022
58	Pethapur	3.80	Under Tender evaluation	31/12/2022
59	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
60	Umargam	6.48	Under Tender evaluation	31/12/2022
61	Dabhoi	8.96	Under Tender evaluation	31/12/2022

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

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 November-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)
Nov-20	43527	At village Dadhal	8.21	7.85	1.63	12	110	46

Annexure-II (B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River for November-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
Nov.20	50637	Jitali Water works	7.29	0.92	5	In process	In process	BDL	In process	In process	---	In process	In process

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	HiraporGram Panchayat- Ta. Valia	Domestic w/w drain pipe line outlet in to River Amravati	0.2120	0.1
3	Sangpur Gram Panchayat- Ta. Ankleshwar	Domestic w/w drain pipe line outlet in to River Amravati	0.2884	0.2
4	Pardi (Pardi-Piplod Group Gram Panchayat)- Ta. Ankleshwar	Domestic w/w drain pipe line outlet of Pardi in to River Amravati	0.0633	0.03
5	Piprod (Pardi-Piplod Group Gram Panchayat)- Ta. Ankleshwar	Domestic w/w drain pipe line outlet of Piprod in to River Amravati	0.0656	0.03
6	Avadar Gram Panchayat- Ta. Ankleshwar	Domestic w/w drain pipe line outlet in to River Amravati	0.1440	0.1
7.	Dadhal Gram Panchayat- Ta. Ankleshwar	Domestic w/w drain pipe line outlet in to River Amravati	0.3991	0.4

Annexure-II (D)

STP & CETP results: Not Applicable

Annexure-III

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

Sr.No	River name	Details/Status
1	Amravati	1. Environmental flow: • 1360 cusecs in lean period. • There is no inflow from March to May in Amravari River. Hence there is no question of releasing water during above period. However during March to May average flow in river is 1360 cusecs. Hence the question for proposed new plan to achieve min e-flow does not arise. 2. Detail of Good IrrigationPractices: • General government of irrigation is maintained in command area of Karjan Project. • Farmers are made aware to use water optimally. Excess water flow from B-3 branch canal of Karjan reservoir project escape at ch 2525 vill. Dharoli irrigation rotation period. • As such no water logging issues are notice due to irrigation command area. 3. Detail on Flood Plain ManagementZone: • NIL

Annexure-IV

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

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

Annexure – A

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

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	620.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**643.68**	**250**	**790.4**

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 November – 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: 31
- No. of Non-complying STPs: 17
- Partially complying STPs: 5
- STPs under maintenance / modification: 2
- STPs not obtained CTE / CC&A of GPCB: 2
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 4
- Details of STPs not available: 3
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**

  Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 23, ➢ Non complying: 11 *(as per CM dash board data for September-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 (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.:- 673/2018 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 9th RRC meeting held on 27.11.2020.	
XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:
Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms. STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.	
XXIV.	Regulation of Mining Activities in the State/UT:
Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.	
XXV.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring
• Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 . • Number of closure directions to defaulting units under section 31 A of Air Act – 1981: 5703 respectively. • Number of notice of directions to defaulting units under section 33 A of Water Act – 1974: 17263. • Number of closure directions to defaulting units under section 33 A of Water Act – 1974:	

11383.

- Number of notice of directions under rule 4(2) of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 4130
- Number of closure directions under section 5 of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 1583

(As per Annual report – 2018-19)

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

RRC meetings:

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

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

STPs:

Sr. No.	**STP Proposed, if any**	**Status**
1.	**Vapi Namdha (14 MLD)**	Work in Progress. 45% Completed. Delayed land possession. Delay in deciding splitting / merging of STP at NP level. (time line March-2021)

2.	**Vapi Chandor (29.53 MLD)**	Expected to complete by Sept 2022– Land Issue recently resolved, but land at low level. So DPR revision is required. Revised DPR under preparation.
3.	**Vapi Notified Area Authority 10 (5+5) MLD** Capacity increase, from 5 MLD to 10 MLD, proposed during 8th RRC considering the future demand.	Detailed project report submitted at Head office on 14/09/2020. Expected 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.	CETP vide their letter dated 25/11/20 submitted that EC of CETP 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

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 (as on 19.12.20)
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	Not complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Not 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 Naroda AUDA	7	7	Operational	
13	Ahmedabad Rasala	1	1	Operational	Complying
14	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
15	Ahmedabad V S Hospital	1	1	Operational	Complying
16	Ahmedabad Nikol	0.5	0.5	Operational	
17	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
18	Ahmedabad Lambha	5	2	Operational	Not Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
19	Surat Singanpore 2003/2014	155	147.58	Operational	Complying
20	Surat Karanj 1999/2015	140	136.59	Operational	Complying
21	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Complying
22	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
23	Surat Bamroli 2008/2019	100	77.9	Operational	Complying
24	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
25	Surat Khajod 2011	25	21.36	Operational	Complying
26	Surat Asarama 2011	15	19.23	Operational	Complying
27	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
28	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Complying
29	Surat Gavier 2016	53	5.37	Operational	Complying
30	Vadodara Tarsali	52	58	Operational	Not complying
31	Vadodara Gajarawadi	66	72	Operational	Partially complying
32	Vadodara Kapurai	43	50	Operational	Not complying
33	Vadodara Rajivnagar	78	32	Operational	Partially complying
34	Vadodara Sayaji garden	8.5	7	Operational	Under Modification
35	Vadodara Channi	21	25	Operational	Partially complying
36	Vadodara Atladara (old)	43	51	Operational	Partially complying
37	Vadodara Atladara (new)	43	54	Operational	Partially complying
38	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
39	Gandhinagar	10	3	Operational	Not complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	Sargasan 2012-13				
40	Gandhinagar Basan 2011-12	2	0.3	Operational	Not complying
41	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
42	Rajkot Raiyadhar 2017	56	15	Operational	Not complying
43	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not complying
44	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying
45	Rajkot Gavaridad 2018	70	30	Operational	Complying
46	Rajkot Madhapar 2019	80	20	Operational	Not Complying
47	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not obtained CTE
48	Bhavnagar Behind Excel industries	45	40	Operational	Complying
49	Jamnagar Navagam Ghed	70	65	Operational	Complying
50	Gandhidham - Anjar	30.00	22	Operational	Complying
51	Patan	25.00	13	Operational	Complying
52	Nadiad	51.26	20	Operational	Not complying
53	Siddhpur	5.62	5	Operational	Oxidation pond
54	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
55	Sanand	20.50	0	Non -Operational Under trial run	
56	Himmatnagar	17.51	6	Operational	Complying
57	Petlad	10.37	8	Operational	Complying
58	Dholka	13.60	8	Operational	STP was found under maintenance during the last visit,

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
					before that STP was complying with the norms.
59	Savarkundla	13.90	5	Operational	Oxidation pond
60	Gadhda	6.50	2	Operational	Oxidation pond
61	Kathlal	3.80	2.59	Operational	Oxidation pond
62	Mahudha	2.10	1.76	Operational	Oxidation pond
63	Bayad	4.00	2.06	Operational	Oxidation pond
64	Patadi	2.80	1.33	Operational	Oxidation pond
65	Sojitra	2.30	2	Operational	Oxidation pond
66	Dwarka	7.50	2.28	Operational	Not obtained CTE & CC&A
67	Godhra	27.60	4	Operational	Complying
68	Bhuj	23.70	19	Operational	Not Complying
69	Bhachau	10	4	Operational	
70	Anand	33	9	At commissioning stage	
71	Anand	13.5	2.5	Just been commissioned and yet to be visited.	
72	Surendranagar	32.3	17	Operational	Under final stage of Trial. Not obtained CTE & CC&A of the GPCB.
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	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ahmedabad Vinzol	100	70%	Completed	30/06/2021
2	Ahmedabad Pirana	155	78%	Completed	31/03/2021
3	Ahmedabad Maleksaban	30	01%	Completed	31/12/2022
4	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5	Ahmedabad saijpur lake	07	01%	Completed	31/12/2022
6	Surat Bhesan	100	90%	Completed	31/03/2021
7	Surat Singanpore	100	82%	Completed	30/06/2021
8	Surat Bhatar	115	56%	Completed	31/07/2021
9	Surat Bamroli	115	34%	Completed	30/04/2021
10	Surat Asarma	22.5	11%	Completed	30/09/2021
11	Surat Khajod	30	06%	Completed	30/09/2021
12	Vadodara Kapurai	60	66%	70%	30/06/2021
13	Vadodara Chhani	50	15%	Completed	31/12/2021
14	Vadodara Bhayli	45	08%	Completed	28/02/2022
15	Vadodara Sayaji garden	7.5	30%	Completed	30/06/2021
16	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17	Bhavnagar Axcel Industries	50	20%	Completed	31/05/2022
18	Junagadh Bilkha Road, Near CBSE School	8.2	20%	Completed	31/03/2021
19	Rajula	5.70	0.00%	Completed	09/07/2021
20	Bagasara	5.90	5.00%	Completed	09/07/2021
21	Chalala	2.80	78.00%	Completed	12/04/2021
22	Mahuva	16.30	30.00%	Completed	21/01/2021
23	Talaja	5.80	21.00%	Completed	31/12/2020

24	Una	11.70	46.00%	Completed	25/02/2021
25	Bantva	2.60	66.00%	Completed	31/12/2020
26	Dehgam	7.60	75.00%	Completed	31/03/2021
27	Mansa	5.00	13.00%	Completed	30/04/2021
28	Tharad	4.80	95.00%	Completed	31/12/2020
29	Dhanera	4.00	17.00%	Completed	31/03/2022
30	Bhabhar	3.50	25.00%	Completed	31/12/2021
31	Thara	3.60	14.00%	Completed	31/12/2021
32	Kadi	12.80	8.00%	Completed	28/07/2021
33	Unjha	11.60	48.00%	Completed	22/05/2021
34	Visnagar-1	12.00	75.00%	Completed	04/04/2021
35	Visnagar-2	5.30	14.00%	Completed	04/04/2021
36	Kheralu	2.90	26.00%	Completed	27/06/2021
37	Vijapur	4.10	5.00%	Completed	27/06/2021
38	Radhanpur	6.00	1.00%	98%	31/03/2022
39	Idar	7.40	63.00%	Completed	31/12/2020
40	Khedbrahma	5.80	37.00%	Completed	31/12/2020
41	Prantij	3.70	26.00%	Completed	31/12/2020
42	Talod	3.60	0.00%	Completed	12/05/2021
43	Vadali	3.80	0.00%	Completed	12/05/2021
44	Jambusar	5.90	32.00%	Completed	30/09/2021
45	Amod	3.10	1.00%	Completed	30/09/2021
46	Billimora	8.30	0.00%	Completed	31/12/2021
47	Gandevi	2.60	5.00%	Completed	05/03/2021
48	Bardoli	11.30	60.00%	Completed	31/12/2020
49	Kanakpur Kansad	7.80	0.00%	Completed	31/03/2022
50	Vyara	6.50	72.00%	Completed	31/12/2020
51	Dharampur	4.10	25.00%	Completed	30/09/2021
52	Borsad	9.80	60.00%	Completed	31/12/2020
53	Umreth	6.10	29.00%	Completed	30/06/2021
54	Dahod	13.70	95.00%	Completed	31/12/2020
55	Zalod	4.60	75.00%	Completed	31/12/2020
56	Devgadhbariya	3.80	66.00%	Completed	31/03/2021
57	Santrampur	2.91	5.00%	Completed	31/03/2021
58	Kalol (P)	4.77	5.00%	Completed	04/04/2021
59	Shehra	2.80	0.00%	Completed	04/05/2021
60	Chhotaudepur	5.00	79.00%	Completed	31/12/2020
61	Padra	5.60	40.00%	Completed	02/03/2021
62	Viramgam	4.50	18.00%	Completed	30/05/2021
63	Bavla	5.80	2.00%	Completed	31/12/2021
64	Dhandhuka	7.50	81.00%	Completed	28/02/2021
65	Bareja	3.10	40.00%	Completed	21/02/2021
66	Chaklasi	4.90	0.00%	Completed	31/03/2022

67	Kapadwanj	6.20	0.00%	Completed	30/06/2021
68	Mehmdabad	5.60	36.00%	Completed	30/06/2021
69	Dakor	4.90	0.00%	Completed	30/06/2021
70	Kheda	5.20	5.00%	Completed	30/06/2021
71	Chotila-1	2.30	0.00%	Completed	31/03/2021
72	Chotila-2	1.70	0.00%	Completed	31/03/2021
73	Wadhwan	12.10	0.00%	Completed	31/03/2022
74	Dhangadhra	11.60	83.00%	Completed	28/02/2021
75	Barwala	2.90	6.00%	Completed	09/07/2021
76	Jasdan	8.80	95.00%	Completed	31/12/2020
77	Harij	3.00	0.00%	Completed	15/05/2021
78	Chanasma	2.50	0.00%	Completed	15/05/2021
79	Ode	2.50	0.00%	Completed	09/09/2021
80	Karjan	5.20	0.00%	Completed	14/06/2021
81	Vadnagar	5.94	95.00%	Completed	31/12/2020
82	Botad	32.00	86.00%	Completed	11/12/2020
83	Morbi-2	9.30	84.00%	Completed	31/12/2020
84	Jetpur	23.50	83.00%	Completed	31/12/2020
85	Gondal	16.50	43.00%	Completed	31/03/2021
86	Amreli	18.20	71.00%	Completed	31/12/2020
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%	31/12/2020
91	Vapi-1	14.00	40.00%	Completed	31/12/2020
92	Anand-3	6.50	80.00%	Completed	31/12/2020
93	Porbandar-1	12.80	80.00%	Completed	31/12/2020
94	Porbandar-2	19.10	90.00%	Completed	31/12/2020
95	Damnagar	2.80	0.00%	Completed	31/12/2021
96	Lathi	3.80	0.00%	Completed	31/12/2021
97	Keshod	13.30	0.00%	Completed	31/12/2021
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	Gandhinagar Sargasan	50	DPR Stage	31/12/2022
6	Bhavnagar Akwada	19.2	Work to be Awarded	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	Under Tender evaluation	31/12/2021
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	Under Tender evaluation	31/03/2022
18	Khambhat-2	4.50	Under Tender evaluation	31/03/2022
19	Anklav	3.60	Under Tender evaluation	31/03/2022
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
29	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
30	Wankaner	5.80	Tender tobe invited	31/03/2022
31	Chhaya	13.10	Under Tender evaluation	31/03/2022
32	Palitana	10.81	Under Tender evaluation	31/03/2022
33	Mandvi Surat	3.50	Under Tender evaluation	31/03/2022
34	Thangadh	9.00	Under Tender evaluation	31/03/2022
35	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
36	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
37	Vapi-2	29.53	DPR/DTP stage	31/03/2022
38	Babra	4.00	Tender tobe invited	31/12/2022
39	Kodinar	5.60	Tender tobe invited	31/12/2022
40	Sutrapada	4.00	Tender tobe invited	31/12/2022
41	Talala	3.80	Tender tobe invited	31/12/2022
42	Chorvad	3.70	Tender tobe invited	31/12/2022
43	Halol	11.60	Tender tobe invited	31/12/2022
44	Thasra	2.30	Tender tobe invited	31/12/2022
45	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
46	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
47	Jamraval	2.60	Tender tobe invited	31/12/2022
48	Dhrol	3.60	Tender tobe invited	31/12/2022
49	Kalavad	3.60	Tender Online	31/12/2022
50	Halvad	6.70	Under Tender evaluation	31/12/2022
51	Maliya	2.50	Tender tobe invited	31/12/2022
52	Kutiyana	2.90	Tender tobe invited	31/12/2022
53	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
54	Ranavav-2	4.50	Tender tobe invited	31/12/2022
55	Dhoraji	12.90	Tender tobe invited	31/12/2022
56	Bhayavadar	3.10	Tender tobe invited	31/12/2022
57	Manavadar	4.90	Under Tender evaluation	31/12/2022
58	Pethapur	3.80	Under Tender evaluation	31/12/2022
59	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
60	Umargam	6.48	Under Tender	31/12/2022

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

Annexure-II

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

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
03/11/2020	GIDC Vapi Weir	7.10	7.87	0.6	9.0	14.0	41.0
03/11/2020	Zari Causeway Kachigam	6.40	7.85	1.2	14.0	540.0	1600.0
03/11/2020	Village Namdha	6.30	7.89	1.2	15.0	32	94.0

Note:- Does not fall in any priority as per MPRs for the months of June-2020 to November-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)	Kalkada Khadi (Domestic outfall from Vapi Nagarpalika Area)	20 MLD	18 MLD
2	Near GIDC Weir, Vapi	Domestic outfall from Village Chanod Area	0.5 MLD	0.3 MLD

Annexure-II (C) CETPs Results

CETP, Vapi (VGEL Vapi):

Samp Dt	Type	BOD		COD		NH3		pH		SS	
		Inlet	Outlet	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet
11/11/2020	ROU	135	26	644	242	48.72	39.76	7.86	7.42	318	92

Annexure-II (D)

Progress/Status Report of the River/PRS ground water quality monitoring October– 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
03/11/2020	Borewell at Jilla Panchayat School, Kanta Faliya, Village Namdha	Sample not collected as Borewell was under Maintenance									

Zinc	Manganese	Nitrite	Nitrate	Hexavalent Chromium	Total Chromium	Percent Sodium	NH3	Total Kejeldahl Nirtogen	TDS	Conductivity
Sample not collected as Borewell was under Maintenance										

Annexure-III

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

Sr.No	River name	Details/Status
1	Damanganga	1. Environmental flow: • 805 MCM (For monsoon period) (As per MoEF & CC Norms) • Proposed plan to achieve min e-flow: More than enough flow is available hence question does not arise. 2. Detail of Good Irrigation Practices: • General Government Practice of irrigation is maintained in command area of Damanganga reservoir project. • Farmers are made aware to use water optimally. • Canal System of Damanganga project are fully lined so as to minimize seepage losses. • As such no water logging issue noticed so far in the command area of Damanganga reservoir project. 3. Detail on Flood Plain Management Zone: • As far as Damanganga reservoir project is concerned 13 villages of Valsad District, 14 villages of UT of Dadra & 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

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	620.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**643.68**	**250**	**790.4**

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 November – 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: 31
- No. of Non-complying STPs: 17
- Partially complying STPs: 5
- STPs under maintenance / modification: 2
- STPs not obtained CTE / CC&A of GPCB: 2
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 4
- Details of STPs not available: 3
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**

  Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 23, ➢ Non complying: 11 *(as per CM dash board data for September-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 (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.:- 673/2018 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 9th RRC meeting held on 27.11.2020.	
XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:
Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms. STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.	
XXIV.	Regulation of Mining Activities in the State/UT:
Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.	
XXV.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring
• Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 . • Number of closure directions to defaulting units under section 31 A of Air Act – 1981: 5703 respectively. • Number of notice of directions to defaulting units under section 33 A of Water Act – 1974:	

17263.

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

(As per Annual report – 2018-19)

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

RRC meetings:

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

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

STPs:

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 8^{th} 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 (as on 19.12.20)
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	Not complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Not 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 Naroda AUDA	7	7	Operational	
13	Ahmedabad Rasala	1	1	Operational	Complying
14	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
15	Ahmedabad V S Hospital	1	1	Operational	Complying
16	Ahmedabad Nikol	0.5	0.5	Operational	
17	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
18	Ahmedabad Lambha	5	2	Operational	Not Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
19	Surat Singanpore 2003/2014	155	147.58	Operational	Complying
20	Surat Karanj 1999/2015	140	136.59	Operational	Complying
21	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Complying
22	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
23	Surat Bamroli 2008/2019	100	77.9	Operational	Complying
24	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
25	Surat Khajod 2011	25	21.36	Operational	Complying
26	Surat Asarama 2011	15	19.23	Operational	Complying
27	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
28	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Complying
29	Surat Gavier 2016	53	5.37	Operational	Complying
30	Vadodara Tarsali	52	58	Operational	Not complying
31	Vadodara Gajarawadi	66	72	Operational	Partially complying
32	Vadodara Kapurai	43	50	Operational	Not complying
33	Vadodara Rajivnagar	78	32	Operational	Partially complying
34	Vadodara Sayaji garden	8.5	7	Operational	Under Modification
35	Vadodara Channi	21	25	Operational	Partially complying
36	Vadodara Atladara (old)	43	51	Operational	Partially complying
37	Vadodara Atladara (new)	43	54	Operational	Partially complying
38	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
39	Gandhinagar	10	3	Operational	Not complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	Sargasan 2012-13				
40	Gandhinagar Basan 2011-12	2	0.3	Operational	Not complying
41	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
42	Rajkot Raiyadhar 2017	56	15	Operational	Not complying
43	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not complying
44	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying
45	Rajkot Gavaridad 2018	70	30	Operational	Complying
46	Rajkot Madhapar 2019	80	20	Operational	Not Complying
47	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not obtained CTE
48	Bhavnagar Behind Excel industries	45	40	Operational	Complying
49	Jamnagar Navagam Ghed	70	65	Operational	Complying
50	Gandhidham - Anjar	30.00	22	Operational	Complying
51	Patan	25.00	13	Operational	Complying
52	Nadiad	51.26	20	Operational	Not complying
53	Siddhpur	5.62	5	Operational	Oxidation pond
54	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
55	Sanand	20.50	0	Non -Operational Under trial run	
56	Himmatnagar	17.51	6	Operational	Complying
57	Petlad	10.37	8	Operational	Complying
58	Dholka	13.60	8	Operational	STP was found under maintenance during the last visit,

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
					before that STP was complying with the norms.
59	Savarkundla	13.90	5	Operational	Oxidation pond
60	Gadhda	6.50	2	Operational	Oxidation pond
61	Kathlal	3.80	2.59	Operational	Oxidation pond
62	Mahudha	2.10	1.76	Operational	Oxidation pond
63	Bayad	4.00	2.06	Operational	Oxidation pond
64	Patadi	2.80	1.33	Operational	Oxidation pond
65	Sojitra	2.30	2	Operational	Oxidation pond
66	Dwarka	7.50	2.28	Operational	Not obtained CTE & CC&A
67	Godhra	27.60	4	Operational	Complying
68	Bhuj	23.70	19	Operational	Not Complying
69	Bhachau	10	4	Operational	
70	Anand	33	9	At commissioning stage	
71	Anand	13.5	2.5	Just been commissioned and yet to be visited.	
72	Surendranagar	32.3	17	Operational	Under final stage of Trial. Not obtained CTE & CC&A of the GPCB.
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	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ahmedabad Vinzol	100	70%	Completed	30/06/2021
2	Ahmedabad Pirana	155	78%	Completed	31/03/2021
3	Ahmedabad Maleksaban	30	01%	Completed	31/12/2022
4	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5	Ahmedabad saijpur lake	07	01%	Completed	31/12/2022
6	Surat Bhesan	100	90%	Completed	31/03/2021
7	Surat Singanpore	100	82%	Completed	30/06/2021
8	Surat Bhatar	115	56%	Completed	31/07/2021
9	Surat Bamroli	115	34%	Completed	30/04/2021
10	Surat Asarma	22.5	11%	Completed	30/09/2021
11	Surat Khajod	30	06%	Completed	30/09/2021
12	Vadodara Kapurai	60	66%	70%	30/06/2021
13	Vadodara Chhani	50	15%	Completed	31/12/2021
14	Vadodara Bhayli	45	08%	Completed	28/02/2022
15	Vadodara Sayaji garden	7.5	30%	Completed	30/06/2021
16	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17	Bhavnagar Axcel Industries	50	20%	Completed	31/05/2022
18	Junagadh Bilkha Road, Near CBSE School	8.2	20%	Completed	31/03/2021
19	Rajula	5.70	0.00%	Completed	09/07/2021
20	Bagasara	5.90	5.00%	Completed	09/07/2021
21	Chalala	2.80	78.00%	Completed	12/04/2021
22	Mahuva	16.30	30.00%	Completed	21/01/2021
23	Talaja	5.80	21.00%	Completed	31/12/2020

24	Una	11.70	46.00%	Completed	25/02/2021
25	Bantva	2.60	66.00%	Completed	31/12/2020
26	Dehgam	7.60	75.00%	Completed	31/03/2021
27	Mansa	5.00	13.00%	Completed	30/04/2021
28	Tharad	4.80	95.00%	Completed	31/12/2020
29	Dhanera	4.00	17.00%	Completed	31/03/2022
30	Bhabhar	3.50	25.00%	Completed	31/12/2021
31	Thara	3.60	14.00%	Completed	31/12/2021
32	Kadi	12.80	8.00%	Completed	28/07/2021
33	Unjha	11.60	48.00%	Completed	22/05/2021
34	Visnagar-1	12.00	75.00%	Completed	04/04/2021
35	Visnagar-2	5.30	14.00%	Completed	04/04/2021
36	Kheralu	2.90	26.00%	Completed	27/06/2021
37	Vijapur	4.10	5.00%	Completed	27/06/2021
38	Radhanpur	6.00	1.00%	98%	31/03/2022
39	Idar	7.40	63.00%	Completed	31/12/2020
40	Khedbrahma	5.80	37.00%	Completed	31/12/2020
41	Prantij	3.70	26.00%	Completed	31/12/2020
42	Talod	3.60	0.00%	Completed	12/05/2021
43	Vadali	3.80	0.00%	Completed	12/05/2021
44	Jambusar	5.90	32.00%	Completed	30/09/2021
45	Amod	3.10	1.00%	Completed	30/09/2021
46	Billimora	8.30	0.00%	Completed	31/12/2021
47	Gandevi	2.60	5.00%	Completed	05/03/2021
48	Bardoli	11.30	60.00%	Completed	31/12/2020
49	Kanakpur Kansad	7.80	0.00%	Completed	31/03/2022
50	Vyara	6.50	72.00%	Completed	31/12/2020
51	Dharampur	4.10	25.00%	Completed	30/09/2021
52	Borsad	9.80	60.00%	Completed	31/12/2020
53	Umreth	6.10	29.00%	Completed	30/06/2021
54	Dahod	13.70	95.00%	Completed	31/12/2020
55	Zalod	4.60	75.00%	Completed	31/12/2020
56	Devgadhbariya	3.80	66.00%	Completed	31/03/2021
57	Santrampur	2.91	5.00%	Completed	31/03/2021
58	Kalol (P)	4.77	5.00%	Completed	04/04/2021
59	Shehra	2.80	0.00%	Completed	04/05/2021
60	Chhotaudepur	5.00	79.00%	Completed	31/12/2020
61	Padra	5.60	40.00%	Completed	02/03/2021
62	Viramgam	4.50	18.00%	Completed	30/05/2021
63	Bavla	5.80	2.00%	Completed	31/12/2021
64	Dhandhuka	7.50	81.00%	Completed	28/02/2021
65	Bareja	3.10	40.00%	Completed	21/02/2021
66	Chaklasi	4.90	0.00%	Completed	31/03/2022

67	Kapadwanj	6.20	0.00%	Completed	30/06/2021
68	Mehmdabad	5.60	36.00%	Completed	30/06/2021
69	Dakor	4.90	0.00%	Completed	30/06/2021
70	Kheda	5.20	5.00%	Completed	30/06/2021
71	Chotila-1	2.30	0.00%	Completed	31/03/2021
72	Chotila-2	1.70	0.00%	Completed	31/03/2021
73	Wadhwan	12.10	0.00%	Completed	31/03/2022
74	Dhangadhra	11.60	83.00%	Completed	28/02/2021
75	Barwala	2.90	6.00%	Completed	09/07/2021
76	Jasdan	8.80	95.00%	Completed	31/12/2020
77	Harij	3.00	0.00%	Completed	15/05/2021
78	Chanasma	2.50	0.00%	Completed	15/05/2021
79	Ode	2.50	0.00%	Completed	09/09/2021
80	Karjan	5.20	0.00%	Completed	14/06/2021
81	Vadnagar	5.94	95.00%	Completed	31/12/2020
82	Botad	32.00	86.00%	Completed	11/12/2020
83	Morbi-2	9.30	84.00%	Completed	31/12/2020
84	Jetpur	23.50	83.00%	Completed	31/12/2020
85	Gondal	16.50	43.00%	Completed	31/03/2021
86	Amreli	18.20	71.00%	Completed	31/12/2020
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%	31/12/2020
91	Vapi-1	14.00	40.00%	Completed	31/12/2020
92	Anand-3	6.50	80.00%	Completed	31/12/2020
93	Porbandar-1	12.80	80.00%	Completed	31/12/2020
94	Porbandar-2	19.10	90.00%	Completed	31/12/2020
95	Damnagar	2.80	0.00%	Completed	31/12/2021
96	Lathi	3.80	0.00%	Completed	31/12/2021
97	Keshod	13.30	0.00%	Completed	31/12/2021
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	Gandhinagar Sargasan	50	DPR Stage	31/12/2022
6	Bhavnagar Akwada	19.2	Work to be Awarded	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	Under Tender evaluation	31/12/2021
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	Under Tender evaluation	31/03/2022
18	Khambhat-2	4.50	Under Tender evaluation	31/03/2022
19	Anklav	3.60	Under Tender evaluation	31/03/2022
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
29	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
30	Wankaner	5.80	Tender tobe invited	31/03/2022
31	Chhaya	13.10	Under Tender evaluation	31/03/2022
32	Palitana	10.81	Under Tender evaluation	31/03/2022
33	Mandvi Surat	3.50	Under Tender evaluation	31/03/2022
34	Thangadh	9.00	Under Tender evaluation	31/03/2022
35	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
36	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
37	Vapi-2	29.53	DPR/DTP stage	31/03/2022
38	Babra	4.00	Tender tobe invited	31/12/2022
39	Kodinar	5.60	Tender tobe invited	31/12/2022
40	Sutrapada	4.00	Tender tobe invited	31/12/2022
41	Talala	3.80	Tender tobe invited	31/12/2022
42	Chorvad	3.70	Tender tobe invited	31/12/2022
43	Halol	11.60	Tender tobe invited	31/12/2022
44	Thasra	2.30	Tender tobe invited	31/12/2022
45	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
46	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
47	Jamraval	2.60	Tender tobe invited	31/12/2022
48	Dhrol	3.60	Tender tobe invited	31/12/2022
49	Kalavad	3.60	Tender Online	31/12/2022
50	Halvad	6.70	Under Tender evaluation	31/12/2022
51	Maliya	2.50	Tender tobe invited	31/12/2022
52	Kutiyana	2.90	Tender tobe invited	31/12/2022
53	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
54	Ranavav-2	4.50	Tender tobe invited	31/12/2022
55	Dhoraji	12.90	Tender tobe invited	31/12/2022
56	Bhayavadar	3.10	Tender tobe invited	31/12/2022
57	Manavadar	4.90	Under Tender evaluation	31/12/2022
58	Pethapur	3.80	Under Tender evaluation	31/12/2022
59	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
60	Umargam	6.48	Under Tender	31/12/2022

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

Annexure-II

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

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
02/11/2020	River Kolak at N H No. 8, Morai	6.90	7.86	0.60	8.0	14	41
02/11/2020	River Kolak at Pataliya Bridge	6.30	7.81	1.10	14.0	540	1600

Note: - Does not fall in any priority as per MPRs of June-2020 to November – 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 (November- 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
02/11/2020	Borewell at Koteshwar Mahadev Temple, Vatar	5.80	7.74	0.50	7.0	<2.0	<2.0	8.0	0.416	---	0.012

Zinc	Manganese	Nitrite	Nitrate	Hexavalent Chromium	Total Chromium	Percent Sodium	Ammonical Nitrogen	Total Kejeldahl Nirtogen	TDS	Conductivity
0.326	0.054	0.05	0.40	BDL	0.026	12.36	0.28	0.84	416	817.5

Annexure-III

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

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

Annexure-IV

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

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

Annexure – A

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

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	620.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**643.68**	**250**	**790.4**

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 November – 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: 31
- No. of Non-complying STPs: 17
- Partially complying STPs: 5
- STPs under maintenance / modification: 2
- STPs not obtained CTE / CC&A of GPCB: 2
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 4
- Details of STPs not available: 3
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**

  Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 23, ➢ Non complying: 11 *(as per CM dash board data for September-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 (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.:- 673/2018 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 9th RRC meeting held on 27.11.2020.	
XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:

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

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

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

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

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

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

(As per Annual report – 2018-19)

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

RRC meetings:

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

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

STPs: 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 (as on 19.12.20)
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	Not complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Not 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 Naroda AUDA	7	7	Operational	
13	Ahmedabad Rasala	1	1	Operational	Complying
14	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
15	Ahmedabad V S Hospital	1	1	Operational	Complying
16	Ahmedabad Nikol	0.5	0.5	Operational	
17	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
18	Ahmedabad Lambha	5	2	Operational	Not Complying
19	Surat Singanpore 2003/2014	155	147.58	Operational	Complying
20	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	1999/2015				
21	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Complying
22	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
23	Surat Bamroli 2008/2019	100	77.9	Operational	Complying
24	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
25	Surat Khajod 2011	25	21.36	Operational	Complying
26	Surat Asarama 2011	15	19.23	Operational	Complying
27	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
28	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Complying
29	Surat Gavier 2016	53	5.37	Operational	Complying
30	Vadodara Tarsali	52	58	Operational	Not complying
31	Vadodara Gajarawadi	66	72	Operational	Partially complying
32	Vadodara Kapurai	43	50	Operational	Not complying
33	Vadodara Rajivnagar	78	32	Operational	Partially complying
34	Vadodara Sayaji garden	8.5	7	Operational	Under Modification
35	Vadodara Channi	21	25	Operational	Partially complying
36	Vadodara Atladara (old)	43	51	Operational	Partially complying
37	Vadodara Atladara (new)	43	54	Operational	Partially complying
38	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
39	Gandhinagar Sargasan 2012-13	10	3	Operational	Not complying
40	Gandhinagar Basan 2011-12	2	0.3	Operational	Not complying
41	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
42	Rajkot	56	15	Operational	Not complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	Raiyadhar 2017				
43	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not complying
44	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying
45	Rajkot Gavaridad 2018	70	30	Operational	Complying
46	Rajkot Madhapar 2019	80	20	Operational	Not Complying
47	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not obtained CTE
48	Bhavnagar Behind Excel industries	45	40	Operational	Complying
49	Jamnagar Navagam Ghed	70	65	Operational	Complying
50	Gandhidham - Anjar	30.00	22	Operational	Complying
51	Patan	25.00	13	Operational	Complying
52	Nadiad	51.26	20	Operational	Not complying
53	Siddhpur	5.62	5	Operational	Oxidation pond
54	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
55	Sanand	20.50	0	Non -Operational Under trial run	
56	Himmatnagar	17.51	6	Operational	Complying
57	Petlad	10.37	8	Operational	Complying
58	Dholka	13.60	8	Operational	STP was found under maintenance during the last visit, before that STP was complying with the norms.
59	Savarkundla	13.90	5	Operational	Oxidation pond
60	Gadhda	6.50	2	Operational	Oxidation pond
61	Kathlal	3.80	2.59	Operational	Oxidation pond
62	Mahudha	2.10	1.76	Operational	Oxidation pond
63	Bayad	4.00	2.06	Operational	Oxidation pond

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
64	Patadi	2.80	1.33	Operational	Oxidation pond
65	Sojitra	2.30	2	Operational	Oxidation pond
66	Dwarka	7.50	2.28	Operational	Not obtained CTE & CC&A
67	Godhra	27.60	4	Operational	Complying
68	Bhuj	23.70	19	Operational	Not Complying
69	Bhachau	10	4	Operational	
70	Anand	33	9	At commissioning stage	
71	Anand	13.5	2.5	Just been commissioned and yet to be visited.	
72	Surendranagar	32.3	17	Operational	Under final stage of Trial. Not obtained CTE & CC&A of the GPCB.
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	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ahmedabad Vinzol	100	70%	Completed	30/06/2021
2	Ahmedabad Pirana	155	78%	Completed	31/03/2021
3	Ahmedabad Maleksaban	30	01%	Completed	31/12/2022
4	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5	Ahmedabad saijpur lake	07	01%	Completed	31/12/2022
6	Surat Bhesan	100	90%	Completed	31/03/2021
7	Surat Singanpore	100	82%	Completed	30/06/2021
8	Surat Bhatar	115	56%	Completed	31/07/2021
9	Surat Bamroli	115	34%	Completed	30/04/2021
10	Surat Asarma	22.5	11%	Completed	30/09/2021

11	Surat Khajod	30	06%	Completed	30/09/2021
12	Vadodara Kapurai	60	66%	70%	30/06/2021
13	Vadodara Chhani	50	15%	Completed	31/12/2021
14	Vadodara Bhayli	45	08%	Completed	28/02/2022
15	Vadodara Sayaji garden	7.5	30%	Completed	30/06/2021
16	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17	Bhavnagar Axcel Industries	50	20%	Completed	31/05/2022
18	Junagadh Bilkha Road, Near CBSE School	8.2	20%	Completed	31/03/2021
19	Rajula	5.70	0.00%	Completed	09/07/2021
20	Bagasara	5.90	5.00%	Completed	09/07/2021
21	Chalala	2.80	78.00%	Completed	12/04/2021
22	Mahuva	16.30	30.00%	Completed	21/01/2021
23	Talaja	5.80	21.00%	Completed	31/12/2020
24	Una	11.70	46.00%	Completed	25/02/2021
25	Bantva	2.60	66.00%	Completed	31/12/2020
26	Dehgam	7.60	75.00%	Completed	31/03/2021
27	Mansa	5.00	13.00%	Completed	30/04/2021
28	Tharad	4.80	95.00%	Completed	31/12/2020
29	Dhanera	4.00	17.00%	Completed	31/03/2022
30	Bhabhar	3.50	25.00%	Completed	31/12/2021
31	Thara	3.60	14.00%	Completed	31/12/2021
32	Kadi	12.80	8.00%	Completed	28/07/2021
33	Unjha	11.60	48.00%	Completed	22/05/2021
34	Visnagar-1	12.00	75.00%	Completed	04/04/2021
35	Visnagar-2	5.30	14.00%	Completed	04/04/2021
36	Kheralu	2.90	26.00%	Completed	27/06/2021
37	Vijapur	4.10	5.00%	Completed	27/06/2021
38	Radhanpur	6.00	1.00%	98%	31/03/2022
39	Idar	7.40	63.00%	Completed	31/12/2020
40	Khedbrahma	5.80	37.00%	Completed	31/12/2020
41	Prantij	3.70	26.00%	Completed	31/12/2020
42	Talod	3.60	0.00%	Completed	12/05/2021
43	Vadali	3.80	0.00%	Completed	12/05/2021
44	Jambusar	5.90	32.00%	Completed	30/09/2021
45	Amod	3.10	1.00%	Completed	30/09/2021
46	Billimora	8.30	0.00%	Completed	31/12/2021
47	Gandevi	2.60	5.00%	Completed	05/03/2021
48	Bardoli	11.30	60.00%	Completed	31/12/2020
49	Kanakpur	7.80	0.00%	Completed	31/03/2022

	Kansad				
50	Vyara	6.50	72.00%	Completed	31/12/2020
51	Dharampur	4.10	25.00%	Completed	30/09/2021
52	Borsad	9.80	60.00%	Completed	31/12/2020
53	Umreth	6.10	29.00%	Completed	30/06/2021
54	Dahod	13.70	95.00%	Completed	31/12/2020
55	Zalod	4.60	75.00%	Completed	31/12/2020
56	Devgadhbariya	3.80	66.00%	Completed	31/03/2021
57	Santrampur	2.91	5.00%	Completed	31/03/2021
58	Kalol (P)	4.77	5.00%	Completed	04/04/2021
59	Shehra	2.80	0.00%	Completed	04/05/2021
60	Chhotaudepur	5.00	79.00%	Completed	31/12/2020
61	Padra	5.60	40.00%	Completed	02/03/2021
62	Viramgam	4.50	18.00%	Completed	30/05/2021
63	Bavla	5.80	2.00%	Completed	31/12/2021
64	Dhandhuka	7.50	81.00%	Completed	28/02/2021
65	Bareja	3.10	40.00%	Completed	21/02/2021
66	Chaklasi	4.90	0.00%	Completed	31/03/2022
67	Kapadwanj	6.20	0.00%	Completed	30/06/2021
68	Mehmdabad	5.60	36.00%	Completed	30/06/2021
69	Dakor	4.90	0.00%	Completed	30/06/2021
70	Kheda	5.20	5.00%	Completed	30/06/2021
71	Chotila-1	2.30	0.00%	Completed	31/03/2021
72	Chotila-2	1.70	0.00%	Completed	31/03/2021
73	Wadhwan	12.10	0.00%	Completed	31/03/2022
74	Dhangadhra	11.60	83.00%	Completed	28/02/2021
75	Barwala	2.90	6.00%	Completed	09/07/2021
76	Jasdan	8.80	95.00%	Completed	31/12/2020
77	Harij	3.00	0.00%	Completed	15/05/2021
78	Chanasma	2.50	0.00%	Completed	15/05/2021
79	Ode	2.50	0.00%	Completed	09/09/2021
80	Karjan	5.20	0.00%	Completed	14/06/2021
81	Vadnagar	5.94	95.00%	Completed	31/12/2020
82	Botad	32.00	86.00%	Completed	11/12/2020
83	Morbi-2	9.30	84.00%	Completed	31/12/2020
84	Jetpur	23.50	83.00%	Completed	31/12/2020
85	Gondal	16.50	43.00%	Completed	31/03/2021
86	Amreli	18.20	71.00%	Completed	31/12/2020
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%	31/12/2020
91	Vapi-1	14.00	40.00%	Completed	31/12/2020
92	Anand-3	6.50	80.00%	Completed	31/12/2020
93	Porbandar-1	12.80	80.00%	Completed	31/12/2020
94	Porbandar-2	19.10	90.00%	Completed	31/12/2020
95	Damnagar	2.80	0.00%	Completed	31/12/2021

96	Lathi	3.80	0.00%	Completed	31/12/2021
97	Keshod	13.30	0.00%	Completed	31/12/2021
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	Gandhinagar Sargasan	50	DPR Stage	31/12/2022
6	Bhavnagar Akwada	19.2	Work to be Awarded	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	Under Tender evaluation	31/12/2021
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	Under Tender evaluation	31/03/2022
18	Khambhat-2	4.50	Under Tender evaluation	31/03/2022
19	Anklav	3.60	Under Tender evaluation	31/03/2022
20	Boriavi	3.30	Under Tender	31/03/2022

			evaluation	
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
29	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
30	Wankaner	5.80	Tender tobe invited	31/03/2022
31	Chhaya	13.10	Under Tender evaluation	31/03/2022
32	Palitana	10.81	Under Tender evaluation	31/03/2022
33	Mandvi Surat	3.50	Under Tender evaluation	31/03/2022
34	Thangadh	9.00	Under Tender evaluation	31/03/2022
35	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
36	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
37	Vapi-2	29.53	DPR/DTP stage	31/03/2022
38	Babra	4.00	Tender tobe invited	31/12/2022
39	Kodinar	5.60	Tender tobe invited	31/12/2022
40	Sutrapada	4.00	Tender tobe invited	31/12/2022
41	Talala	3.80	Tender tobe invited	31/12/2022
42	Chorvad	3.70	Tender tobe invited	31/12/2022
43	Halol	11.60	Tender tobe invited	31/12/2022
44	Thasra	2.30	Tender tobe invited	31/12/2022
45	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
46	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
47	Jamraval	2.60	Tender tobe invited	31/12/2022
48	Dhrol	3.60	Tender tobe invited	31/12/2022
49	Kalavad	3.60	Tender Online	31/12/2022
50	Halvad	6.70	Under Tender evaluation	31/12/2022
51	Maliya	2.50	Tender tobe invited	31/12/2022
52	Kutiyana	2.90	Tender tobe invited	31/12/2022
53	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
54	Ranavav-2	4.50	Tender tobe invited	31/12/2022
55	Dhoraji	12.90	Tender tobe invited	31/12/2022

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

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)
November 2020	River Mahi at Sevalia	8.5	7.75	<1	6.0	4	63

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

Annexure-III

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

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

Annexure-IV

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

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

Annexure – A

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

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	620.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**643.68**	**250**	**790.4**

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 November – 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: 31
- No. of Non-complying STPs: 17
- Partially complying STPs: 5
- STPs under maintenance / modification: 2
- STPs not obtained CTE / CC&A of GPCB: 2
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 4
- Details of STPs not available: 3
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**

  Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 23, ➢ Non complying: 11 *(as per CM dash board data for September-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 (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. 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 9th RRC meeting held on 27.11.2020.	
XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:
Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms. STPs having 3485 MLD capacity are existing in the state against the total sewage generation of	

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

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

RRC meetings:

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

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

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

STPs:

Sr. No.	**Proposed STP details**	**Status**
1.	Kheda STP (5.2 MLD) Underground drainage Project	Nov-2021 Under Progress, 15% Completed. Land was allotted on dt. 09/12/2019. Land is available. Work order given on 17.01.2020.

CETPs/ETPs:

Sr. No.	**Proposed ETP details**	**Status**
1.	ETP-Mafatlal Industries Limited Upgradation	During 8th RRC meeting held on 07/08/20, Mafatlal Industries, with reference to last RRC meeting remarks (7th RRC) regarding up gradation of ETP to river discharge norms or ZLD, informed that they have upgraded their ETP to meet the discharge norms to discharge final effluent into underground drain of Nadiad Nagarpalika and they are meeting with the norms. Their treated effluent quality is meeting STP inlet norms. Nadiad Nagarpalika also agreed to allow their treated affluent to discharge into underground drain of Nadiad Nagarpalika.
2.	CETP Nadiad (0.5 MLD)	As discussed in 8th RRC, (land not allotted) Representative of Nadiad Industrial Association informed that progress report with respect to CETP could not be submitted by them as allotment of land is pending at GIDC. However, Nadiad Nagarpalika has also agreed in principle to permit discharge of industrial effluent into inlet of STP operated by Nadiad Nagarpalika. The proposal is

		under consideration at GPCB. •RRC suggested the Nadiad Nagarpalika to submit detailed proposal of impact of receipt of industrial effluent from above both and performance of STP and submit to GPCB. Under planning stage. Nadiad GIDC association has put up proposal for land allotment to GIDC.

Annexure-I (A)

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
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	Not complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Not 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 Naroda AUDA	7	7	Operational	
13	Ahmedabad Rasala	1	1	Operational	Complying
14	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
15	Ahmedabad V S Hospital	1	1	Operational	Complying
16	Ahmedabad Nikol	0.5	0.5	Operational	
17	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
18	Ahmedabad Lambha	5	2	Operational	Not Complying
19	Surat Singanpore 2003/2014	155	147.58	Operational	Complying
20	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	1999/2015				
21	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Complying
22	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
23	Surat Bamroli 2008/2019	100	77.9	Operational	Complying
24	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
25	Surat Khajod 2011	25	21.36	Operational	Complying
26	Surat Asarama 2011	15	19.23	Operational	Complying
27	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
28	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Complying
29	Surat Gavier 2016	53	5.37	Operational	Complying
30	Vadodara Tarsali	52	58	Operational	Not complying
31	Vadodara Gajarawadi	66	72	Operational	Partially complying
32	Vadodara Kapurai	43	50	Operational	Not complying
33	Vadodara Rajivnagar	78	32	Operational	Partially complying
34	Vadodara Sayaji garden	8.5	7	Operational	Under Modification
35	Vadodara Channi	21	25	Operational	Partially complying
36	Vadodara Atladara (old)	43	51	Operational	Partially complying
37	Vadodara Atladara (new)	43	54	Operational	Partially complying
38	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
39	Gandhinagar Sargasan 2012-13	10	3	Operational	Not complying
40	Gandhinagar Basan 2011-12	2	0.3	Operational	Not complying
41	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
42	Rajkot	56	15	Operational	Not complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	Raiyadhar 2017				
43	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not complying
44	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying
45	Rajkot Gavaridad 2018	70	30	Operational	Complying
46	Rajkot Madhapar 2019	80	20	Operational	Not Complying
47	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not obtained CTE
48	Bhavnagar Behind Excel industries	45	40	Operational	Complying
49	Jamnagar Navagam Ghed	70	65	Operational	Complying
50	Gandhidham - Anjar	30.00	22	Operational	Complying
51	Patan	25.00	13	Operational	Complying
52	Nadiad	51.26	20	Operational	Not complying
53	Siddhpur	5.62	5	Operational	Oxidation pond
54	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
55	Sanand	20.50	0	Non -Operational Under trial run	
56	Himmatnagar	17.51	6	Operational	Complying
57	Petlad	10.37	8	Operational	Complying
58	Dholka	13.60	8	Operational	STP was found under maintenance during the last visit, before that STP was complying with the norms.
59	Savarkundla	13.90	5	Operational	Oxidation pond
60	Gadhda	6.50	2	Operational	Oxidation pond
61	Kathlal	3.80	2.59	Operational	Oxidation pond
62	Mahudha	2.10	1.76	Operational	Oxidation pond
63	Bayad	4.00	2.06	Operational	Oxidation pond

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
64	Patadi	2.80	1.33	Operational	Oxidation pond
65	Sojitra	2.30	2	Operational	Oxidation pond
66	Dwarka	7.50	2.28	Operational	Not obtained CTE & CC&A
67	Godhra	27.60	4	Operational	Complying
68	Bhuj	23.70	19	Operational	Not Complying
69	Bhachau	10	4	Operational	
70	Anand	33	9	At commissioning stage	
71	Anand	13.5	2.5	Just been commissioned and yet to be visited.	
72	Surendranagar	32.3	17	Operational	Under final stage of Trial. Not obtained CTE & CC&A of the GPCB.
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	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ahmedabad Vinzol	100	70%	Completed	30/06/2021
2	Ahmedabad Pirana	155	78%	Completed	31/03/2021
3	Ahmedabad Maleksaban	30	01%	Completed	31/12/2022
4	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5	Ahmedabad saijpur lake	07	01%	Completed	31/12/2022

6	Surat Bhesan	100	90%	Completed	31/03/2021
7	Surat Singanpore	100	82%	Completed	30/06/2021
8	Surat Bhatar	115	56%	Completed	31/07/2021
9	Surat Bamroli	115	34%	Completed	30/04/2021
10	Surat Asarma	22.5	11%	Completed	30/09/2021
11	Surat Khajod	30	06%	Completed	30/09/2021
12	Vadodara Kapurai	60	66%	70%	30/06/2021
13	Vadodara Chhani	50	15%	Completed	31/12/2021
14	Vadodara Bhayli	45	08%	Completed	28/02/2022
15	Vadodara Sayaji garden	7.5	30%	Completed	30/06/2021
16	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17	Bhavnagar Axcel Industries	50	20%	Completed	31/05/2022
18	Junagadh Bilkha Road, Near CBSE School	8.2	20%	Completed	31/03/2021
19	Rajula	5.70	0.00%	Completed	09/07/2021
20	Bagasara	5.90	5.00%	Completed	09/07/2021
21	Chalala	2.80	78.00%	Completed	12/04/2021
22	Mahuva	16.30	30.00%	Completed	21/01/2021
23	Talaja	5.80	21.00%	Completed	31/12/2020
24	Una	11.70	46.00%	Completed	25/02/2021
25	Bantva	2.60	66.00%	Completed	31/12/2020
26	Dehgam	7.60	75.00%	Completed	31/03/2021
27	Mansa	5.00	13.00%	Completed	30/04/2021
28	Tharad	4.80	95.00%	Completed	31/12/2020
29	Dhanera	4.00	17.00%	Completed	31/03/2022
30	Bhabhar	3.50	25.00%	Completed	31/12/2021
31	Thara	3.60	14.00%	Completed	31/12/2021
32	Kadi	12.80	8.00%	Completed	28/07/2021
33	Unjha	11.60	48.00%	Completed	22/05/2021

34	Visnagar-1	12.00	75.00%	Completed	04/04/2021
35	Visnagar-2	5.30	14.00%	Completed	04/04/2021
36	Kheralu	2.90	26.00%	Completed	27/06/2021
37	Vijapur	4.10	5.00%	Completed	27/06/2021
38	Radhanpur	6.00	1.00%	98%	31/03/2022
39	Idar	7.40	63.00%	Completed	31/12/2020
40	Khedbrahma	5.80	37.00%	Completed	31/12/2020
41	Prantij	3.70	26.00%	Completed	31/12/2020
42	Talod	3.60	0.00%	Completed	12/05/2021
43	Vadali	3.80	0.00%	Completed	12/05/2021
44	Jambusar	5.90	32.00%	Completed	30/09/2021
45	Amod	3.10	1.00%	Completed	30/09/2021
46	Billimora	8.30	0.00%	Completed	31/12/2021
47	Gandevi	2.60	5.00%	Completed	05/03/2021
48	Bardoli	11.30	60.00%	Completed	31/12/2020
49	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
50	Vyara	6.50	72.00%	Completed	31/12/2020
51	Dharampur	4.10	25.00%	Completed	30/09/2021
52	Borsad	9.80	60.00%	Completed	31/12/2020
53	Umreth	6.10	29.00%	Completed	30/06/2021
54	Dahod	13.70	95.00%	Completed	31/12/2020
55	Zalod	4.60	75.00%	Completed	31/12/2020
56	Devgadhbariya	3.80	66.00%	Completed	31/03/2021
57	Santrampur	2.91	5.00%	Completed	31/03/2021
58	Kalol (P)	4.77	5.00%	Completed	04/04/2021
59	Shehra	2.80	0.00%	Completed	04/05/2021
60	Chhotaudepur	5.00	79.00%	Completed	31/12/2020
61	Padra	5.60	40.00%	Completed	02/03/2021
62	Viramgam	4.50	18.00%	Completed	30/05/2021
63	Bavla	5.80	2.00%	Completed	31/12/2021
64	Dhandhuka	7.50	81.00%	Completed	28/02/2021
65	Bareja	3.10	40.00%	Completed	21/02/2021
66	Chaklasi	4.90	0.00%	Completed	31/03/2022
67	Kapadwanj	6.20	0.00%	Completed	30/06/2021
68	Mehmdabad	5.60	36.00%	Completed	30/06/2021
69	Dakor	4.90	0.00%	Completed	30/06/2021
70	Kheda	5.20	5.00%	Completed	30/06/2021
71	Chotila-1	2.30	0.00%	Completed	31/03/2021
72	Chotila-2	1.70	0.00%	Completed	31/03/2021
73	Wadhwan	12.10	0.00%	Completed	31/03/2022
74	Dhangadhra	11.60	83.00%	Completed	28/02/2021
75	Barwala	2.90	6.00%	Completed	09/07/2021
76	Jasdan	8.80	95.00%	Completed	31/12/2020
77	Harij	3.00	0.00%	Completed	15/05/2021
78	Chanasma	2.50	0.00%	Completed	15/05/2021
79	Ode	2.50	0.00%	Completed	09/09/2021
80	Karjan	5.20	0.00%	Completed	14/06/2021

81	Vadnagar	5.94	95.00%	Completed	31/12/2020
82	Botad	32.00	86.00%	Completed	11/12/2020
83	Morbi-2	9.30	84.00%	Completed	31/12/2020
84	Jetpur	23.50	83.00%	Completed	31/12/2020
85	Gondal	16.50	43.00%	Completed	31/03/2021
86	Amreli	18.20	71.00%	Completed	31/12/2020
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%	31/12/2020
91	Vapi-1	14.00	40.00%	Completed	31/12/2020
92	Anand-3	6.50	80.00%	Completed	31/12/2020
93	Porbandar-1	12.80	80.00%	Completed	31/12/2020
94	Porbandar-2	19.10	90.00%	Completed	31/12/2020
95	Damnagar	2.80	0.00%	Completed	31/12/2021
96	Lathi	3.80	0.00%	Completed	31/12/2021
97	Keshod	13.30	0.00%	Completed	31/12/2021
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	Gandhinagar Sargasan	50	DPR Stage	31/12/2022
6	Bhavnagar Akwada	19.2	Work to be Awarded	31/12/2022
7	Jamnagar NrRangmati 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	Under Tender evaluation	31/12/2021
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	Under Tender evaluation	31/03/2022
18	Khambhat-2	4.50	Under Tender evaluation	31/03/2022
19	Anklav	3.60	Under Tender evaluation	31/03/2022
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
29	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
30	Wankaner	5.80	Tender tobe invited	31/03/2022
31	Chhaya	13.10	Under Tender evaluation	31/03/2022
32	Palitana	10.81	Under Tender evaluation	31/03/2022
33	Mandvi Surat	3.50	Under Tender evaluation	31/03/2022
34	Thangadh	9.00	Under Tender evaluation	31/03/2022
35	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
36	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
37	Vapi-2	29.53	DPR/DTP stage	31/03/2022
38	Babra	4.00	Tender tobe invited	31/12/2022
39	Kodinar	5.60	Tender tobe invited	31/12/2022
40	Sutrapada	4.00	Tender tobe invited	31/12/2022
41	Talala	3.80	Tender tobe invited	31/12/2022
42	Chorvad	3.70	Tender tobe invited	31/12/2022
43	Halol	11.60	Tender tobe invited	31/12/2022
44	Thasra	2.30	Tender tobe invited	31/12/2022
45	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
46	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
47	Jamraval	2.60	Tender tobe invited	31/12/2022
48	Dhrol	3.60	Tender tobe invited	31/12/2022
49	Kalavad	3.60	Tender Online	31/12/2022
50	Halvad	6.70	Under Tender evaluation	31/12/2022
51	Maliya	2.50	Tender tobe invited	31/12/2022
52	Kutiyana	2.90	Tender tobe invited	31/12/2022
53	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
54	Ranavav-2	4.50	Tender tobe invited	31/12/2022
55	Dhoraji	12.90	Tender tobe invited	31/12/2022
56	Bhayavadar	3.10	Tender tobe invited	31/12/2022
57	Manavadar	4.90	Under Tender evaluation	31/12/2022
58	Pethapur	3.80	Under Tender evaluation	31/12/2022
59	Ankleshwar	14.00	Under Tender evaluation	31/12/2022

60	Umargam	6.48	Under Tender evaluation	31/12/2022
61	Dabhoi	8.96	Under Tender evaluation	31/12/2022
62	Sikka	2.90	Tender Online	31/12/2022
63	Valsad-2	15.00	DPR/DTP stage	31/03/2022
64	Mahesana-1	23.18	Tender Online	31/03/2022
65	Mahesana-2	18.46	Tender Online	31/03/2022
66	Jafrabad	5.4	DPR/DTP stage	31/12/2022
67	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
68	Shihor	8.9	Tender tobe invited	31/12/2022
69	Mangrol	9.6	DPR/DTP stage	31/12/2022
70	Vanthli	2.2	DPR/DTP stage	31/12/2022
71	Modasa	12.0	DPR/DTP stage	31/12/2022
72	Tarsadi	5.8	DPR/DTP stage	31/12/2022
73	Songadh	4.5	Tender tobe invited	31/12/2022
74	Pardi	4.6	Tender tobe invited	31/12/2022
75	Karamsad	6.0	Tender tobe invited	31/12/2022
76	Limdi	7.4	DPR/DTP stage	31/12/2022
77	Bhachau	1.0	Tender tobe invited	31/12/2022
78	Rapar	5.2	Tender tobe invited	31/12/2022
79	Upleta	8.9	DPR/DTP stage	31/12/2022
80	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

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 November -2020:

Month	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
November 2020	River Shedhi at Kheda Matar Bridge	5.3	7.59	1.7	15	220	540

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)	Borewell Nadiad 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

Nadiad STP Results (November-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
04/11/2020	Final Outlet of the STP	6.13	60	350	7.35	78	920	1748	28	16.35
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 surplus flood water through Mohr escape at Ch. 181.80 Km of Narmada Main Canal under SSNNL and through different escapes of Mahi Right Bank Canal off-taking from Vanakbori Weir. There is disposal of domestic waste water near Dakor and Nadiad. So the concerned authorities are requested to stop the disposal of waste water in Shedhi River. 2. Details of Good Irrigation Practices: NA 3. Detail on Flood Plain Management Zone: NA

Annexure-IV

Details w.r.t point no.XIX given 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

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	620.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**643.68**	**250**	**790.4**

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 November – 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: 31
- No. of Non-complying STPs: 17
- Partially complying STPs: 5
- STPs under maintenance / modification: 2
- STPs not obtained CTE / CC&A of GPCB: 2
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 4
- Details of STPs not available: 3
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

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

Sr. No.	**Proposed STP details**	**Status**
1.	Signapore (155 MLD) – Expansion	85% completed. Work in Progress.
2.	Gavier (53 MLD) – Expansion	Under construction, Network under process
3.	Bhatar (162 MLD) – Expansion	57% completed.
4.	Bhesan (100 MLD) – Expansion	93% completed.
5.	STPs under Tapi Suddhikaran Yojana (Total 37 STPs by SUDA and GWSSB)	Tender to be invited subject to land possession issues. (Please refer Annexure VI for details)

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 (as on 19.12.20)
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	Not complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Not 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 Naroda AUDA	7	7	Operational	
13	Ahmedabad Rasala	1	1	Operational	Complying
14	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
15	Ahmedabad V S Hospital	1	1	Operational	Complying
16	Ahmedabad Nikol	0.5	0.5	Operational	
17	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
18	Ahmedabad Lambha	5	2	Operational	Not Complying
19	Surat Singanpore 2003/2014	155	147.58	Operational	Complying
20	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	1999/2015				
21	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Complying
22	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
23	Surat Bamroli 2008/2019	100	77.9	Operational	Complying
24	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
25	Surat Khajod 2011	25	21.36	Operational	Complying
26	Surat Asarama 2011	15	19.23	Operational	Complying
27	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
28	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Complying
29	Surat Gavier 2016	53	5.37	Operational	Complying
30	Vadodara Tarsali	52	58	Operational	Not complying
31	Vadodara Gajarawadi	66	72	Operational	Partially complying
32	Vadodara Kapurai	43	50	Operational	Not complying
33	Vadodara Rajivnagar	78	32	Operational	Partially complying
34	Vadodara Sayaji garden	8.5	7	Operational	Under Modification
35	Vadodara Channi	21	25	Operational	Partially complying
36	Vadodara Atladara (old)	43	51	Operational	Partially complying
37	Vadodara Atladara (new)	43	54	Operational	Partially complying
38	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
39	Gandhinagar Sargasan 2012-13	10	3	Operational	Not complying
40	Gandhinagar Basan 2011-12	2	0.3	Operational	Not complying
41	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
42	Rajkot	56	15	Operational	Not complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	Raiyadhar 2017				
43	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not complying
44	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying
45	Rajkot Gavaridad 2018	70	30	Operational	Complying
46	Rajkot Madhapar 2019	80	20	Operational	Not Complying
47	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not obtained CTE
48	Bhavnagar Behind Excel industries	45	40	Operational	Complying
49	Jamnagar Navagam Ghed	70	65	Operational	Complying
50	Gandhidham - Anjar	30.00	22	Operational	Complying
51	Patan	25.00	13	Operational	Complying
52	Nadiad	51.26	20	Operational	Not complying
53	Siddhpur	5.62	5	Operational	Oxidation pond
54	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
55	Sanand	20.50	0	Non -Operational Under trial run	
56	Himmatnagar	17.51	6	Operational	Complying
57	Petlad	10.37	8	Operational	Complying
58	Dholka	13.60	8	Operational	STP was found under maintenance during the last visit, before that STP was complying with the norms.
59	Savarkundla	13.90	5	Operational	Oxidation pond
60	Gadhda	6.50	2	Operational	Oxidation pond
61	Kathlal	3.80	2.59	Operational	Oxidation pond
62	Mahudha	2.10	1.76	Operational	Oxidation pond
63	Bayad	4.00	2.06	Operational	Oxidation pond

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
64	Patadi	2.80	1.33	Operational	Oxidation pond
65	Sojitra	2.30	2	Operational	Oxidation pond
66	Dwarka	7.50	2.28	Operational	Not obtained CTE & CC&A
67	Godhra	27.60	4	Operational	Complying
68	Bhuj	23.70	19	Operational	Not Complying
69	Bhachau	10	4	Operational	
70	Anand	33	9	At commissioning stage	
71	Anand	13.5	2.5	Just been commissioned and yet to be visited.	
72	Surendranagar	32.3	17	Operational	Under final stage of Trial. Not obtained CTE & CC&A of the GPCB.
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	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ahmedabad Vinzol	100	70%	Completed	30/06/2021
2	Ahmedabad Pirana	155	78%	Completed	31/03/2021
3	Ahmedabad Maleksaban	30	01%	Completed	31/12/2022
4	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5	Ahmedabad saijpur lake	07	01%	Completed	31/12/2022
6	Surat Bhesan	100	90%	Completed	31/03/2021

7	Surat Singanpore	100	82%	Completed	30/06/2021
8	Surat Bhatar	115	56%	Completed	31/07/2021
9	Surat Bamroli	115	34%	Completed	30/04/2021
10	Surat Asarma	22.5	11%	Completed	30/09/2021
11	Surat Khajod	30	06%	Completed	30/09/2021
12	Vadodara Kapurai	60	66%	70%	30/06/2021
13	Vadodara Chhani	50	15%	Completed	31/12/2021
14	Vadodara Bhayli	45	08%	Completed	28/02/2022
15	Vadodara Sayaji garden	7.5	30%	Completed	30/06/2021
16	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17	Bhavnagar Axcel Industries	50	20%	Completed	31/05/2022
18	Junagadh Bilkha Road, Near CBSE School	8.2	20%	Completed	31/03/2021
19	Rajula	5.70	0.00%	Completed	09/07/2021
20	Bagasara	5.90	5.00%	Completed	09/07/2021
21	Chalala	2.80	78.00%	Completed	12/04/2021
22	Mahuva	16.30	30.00%	Completed	21/01/2021
23	Talaja	5.80	21.00%	Completed	31/12/2020
24	Una	11.70	46.00%	Completed	25/02/2021
25	Bantva	2.60	66.00%	Completed	31/12/2020
26	Dehgam	7.60	75.00%	Completed	31/03/2021
27	Mansa	5.00	13.00%	Completed	30/04/2021
28	Tharad	4.80	95.00%	Completed	31/12/2020
29	Dhanera	4.00	17.00%	Completed	31/03/2022
30	Bhabhar	3.50	25.00%	Completed	31/12/2021
31	Thara	3.60	14.00%	Completed	31/12/2021
32	Kadi	12.80	8.00%	Completed	28/07/2021
33	Unjha	11.60	48.00%	Completed	22/05/2021
34	Visnagar-1	12.00	75.00%	Completed	04/04/2021
35	Visnagar-2	5.30	14.00%	Completed	04/04/2021

36	Kheralu	2.90	26.00%	Completed	27/06/2021
37	Vijapur	4.10	5.00%	Completed	27/06/2021
38	Radhanpur	6.00	1.00%	98%	31/03/2022
39	Idar	7.40	63.00%	Completed	31/12/2020
40	Khedbrahma	5.80	37.00%	Completed	31/12/2020
41	Prantij	3.70	26.00%	Completed	31/12/2020
42	Talod	3.60	0.00%	Completed	12/05/2021
43	Vadali	3.80	0.00%	Completed	12/05/2021
44	Jambusar	5.90	32.00%	Completed	30/09/2021
45	Amod	3.10	1.00%	Completed	30/09/2021
46	Billimora	8.30	0.00%	Completed	31/12/2021
47	Gandevi	2.60	5.00%	Completed	05/03/2021
48	Bardoli	11.30	60.00%	Completed	31/12/2020
49	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
50	Vyara	6.50	72.00%	Completed	31/12/2020
51	Dharampur	4.10	25.00%	Completed	30/09/2021
52	Borsad	9.80	60.00%	Completed	31/12/2020
53	Umreth	6.10	29.00%	Completed	30/06/2021
54	Dahod	13.70	95.00%	Completed	31/12/2020
55	Zalod	4.60	75.00%	Completed	31/12/2020
56	Devgadhbariya	3.80	66.00%	Completed	31/03/2021
57	Santrampur	2.91	5.00%	Completed	31/03/2021
58	Kalol (P)	4.77	5.00%	Completed	04/04/2021
59	Shehra	2.80	0.00%	Completed	04/05/2021
60	Chhotaudepur	5.00	79.00%	Completed	31/12/2020
61	Padra	5.60	40.00%	Completed	02/03/2021
62	Viramgam	4.50	18.00%	Completed	30/05/2021
63	Bavla	5.80	2.00%	Completed	31/12/2021
64	Dhandhuka	7.50	81.00%	Completed	28/02/2021
65	Bareja	3.10	40.00%	Completed	21/02/2021
66	Chaklasi	4.90	0.00%	Completed	31/03/2022
67	Kapadwanj	6.20	0.00%	Completed	30/06/2021
68	Mehmdabad	5.60	36.00%	Completed	30/06/2021
69	Dakor	4.90	0.00%	Completed	30/06/2021
70	Kheda	5.20	5.00%	Completed	30/06/2021
71	Chotila-1	2.30	0.00%	Completed	31/03/2021
72	Chotila-2	1.70	0.00%	Completed	31/03/2021
73	Wadhwan	12.10	0.00%	Completed	31/03/2022
74	Dhangadhra	11.60	83.00%	Completed	28/02/2021
75	Barwala	2.90	6.00%	Completed	09/07/2021
76	Jasdan	8.80	95.00%	Completed	31/12/2020
77	Harij	3.00	0.00%	Completed	15/05/2021
78	Chanasma	2.50	0.00%	Completed	15/05/2021
79	Ode	2.50	0.00%	Completed	09/09/2021
80	Karjan	5.20	0.00%	Completed	14/06/2021
81	Vadnagar	5.94	95.00%	Completed	31/12/2020
82	Botad	32.00	86.00%	Completed	11/12/2020

83	Morbi-2	9.30	84.00%	Completed	31/12/2020
84	Jetpur	23.50	83.00%	Completed	31/12/2020
85	Gondal	16.50	43.00%	Completed	31/03/2021
86	Amreli	18.20	71.00%	Completed	31/12/2020
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%	31/12/2020
91	Vapi-1	14.00	40.00%	Completed	31/12/2020
92	Anand-3	6.50	80.00%	Completed	31/12/2020
93	Porbandar-1	12.80	80.00%	Completed	31/12/2020
94	Porbandar-2	19.10	90.00%	Completed	31/12/2020
95	Damnagar	2.80	0.00%	Completed	31/12/2021
96	Lathi	3.80	0.00%	Completed	31/12/2021
97	Keshod	13.30	0.00%	Completed	31/12/2021
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	Gandhinagar Sargasan	50	DPR Stage	31/12/2022
6	Bhavnagar Akwada	19.2	Work to be Awarded	31/12/2022
7	Jamnagar NrRangmati 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	Under Tender evaluation	31/12/2021
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	Under Tender evaluation	31/03/2022
18	Khambhat-2	4.50	Under Tender evaluation	31/03/2022
19	Anklav	3.60	Under Tender evaluation	31/03/2022
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
29	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
30	Wankaner	5.80	Tender tobe invited	31/03/2022
31	Chhaya	13.10	Under Tender evaluation	31/03/2022
32	Palitana	10.81	Under Tender evaluation	31/03/2022
33	Mandvi Surat	3.50	Under Tender evaluation	31/03/2022
34	Thangadh	9.00	Under Tender evaluation	31/03/2022
35	Vijalpor – Navsari	47.00	Under Tender evaluation	31/03/2022
36	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
37	Vapi-2	29.53	DPR/DTP stage	31/03/2022
38	Babra	4.00	Tender tobe invited	31/12/2022
39	Kodinar	5.60	Tender tobe invited	31/12/2022
40	Sutrapada	4.00	Tender tobe invited	31/12/2022
41	Talala	3.80	Tender tobe invited	31/12/2022
42	Chorvad	3.70	Tender tobe invited	31/12/2022
43	Halol	11.60	Tender tobe invited	31/12/2022
44	Thasra	2.30	Tender tobe invited	31/12/2022
45	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
46	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
47	Jamraval	2.60	Tender tobe invited	31/12/2022
48	Dhrol	3.60	Tender tobe invited	31/12/2022
49	Kalavad	3.60	Tender Online	31/12/2022
50	Halvad	6.70	Under Tender evaluation	31/12/2022
51	Maliya	2.50	Tender tobe invited	31/12/2022
52	Kutiyana	2.90	Tender tobe invited	31/12/2022
53	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
54	Ranavav-2	4.50	Tender tobe invited	31/12/2022
55	Dhoraji	12.90	Tender tobe invited	31/12/2022
56	Bhayavadar	3.10	Tender tobe invited	31/12/2022
57	Manavadar	4.90	Under Tender evaluation	31/12/2022
58	Pethapur	3.80	Under Tender evaluation	31/12/2022
59	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
60	Umargam	6.48	Under Tender evaluation	31/12/2022
61	Dabhoi	8.96	Under Tender evaluation	31/12/2022
62	Sikka	2.90	Tender Online	31/12/2022
63	Valsad-2	15.00	DPR/DTP stage	31/03/2022

64	Mahesana-1	23.18	Tender Online	31/03/2022
65	Mahesana-2	18.46	Tender Online	31/03/2022
66	Jafrabad	5.4	DPR/DTP stage	31/12/2022
67	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
68	Shihor	8.9	Tender tobe invited	31/12/2022
69	Mangrol	9.6	DPR/DTP stage	31/12/2022
70	Vanthli	2.2	DPR/DTP stage	31/12/2022
71	Modasa	12.0	DPR/DTP stage	31/12/2022
72	Tarsadi	5.8	DPR/DTP stage	31/12/2022
73	Songadh	4.5	Tender tobe invited	31/12/2022
74	Pardi	4.6	Tender tobe invited	31/12/2022
75	Karamsad	6.0	Tender tobe invited	31/12/2022
76	Limdi	7.4	DPR/DTP stage	31/12/2022
77	Bhachau	1.0	Tender tobe invited	31/12/2022
78	Rapar	5.2	Tender tobe invited	31/12/2022
79	Upleta	8.9	DPR/DTP stage	31/12/2022
80	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

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 November-2020:

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
02-11-2020	Kathor, N.H. 8	7.4	7.14	0.36	7	4	33
02-11-2020	Varachha Bridge	7.2	7.45	0.39	11	12	58
03-11-2020	ONGC Bridge	5.6	7.61	1.12	16	17	110
02-11-2020	Rander	7.1	7.8	0.42	4	11	46
03-11-2020	Swamivivekanand Bridge	5.7	7.69	1.03	10	9.2	32
03-11-2020	Sardar Bridge	5.8	7.74	1.1	10	12	52
03-11-2020	Umara Temple	5.8	7.84	1.06	-	20	84

Annexure-II (B)

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

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	Koli Bharthana	3.84
18	Valak Creek	43.24
19	Varachha Creek	51.72
20	Jat Bharthana	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	Rundh Jakatnaka	2
	Outside SUDA – R	
30	Mandvi	22.28
31	Gamtalav Bujrang	0.23
32	Ushkhed khurd	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	Dhoran Pardi	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 m)
1	**Sewage Treatment Plant- Signapore, Surat**	02-11-2020	7.43	10	16	59
2	**Sewage Treatment Plant-Gavier, Surat**	03-11-2020	7.82	40	2.9	14

CETP Results

No Industrial waste water discharge into this River stretch

Annexure-III

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

Sr.No	River name	Details/Status
1	Tapi	1. Environmental flow: • Existing E-Flow is 2039 Cusec in lean period. • Proposed plan to achieve min e-flow: There is no inflow from December to May in Tapi River hence there is no question of releasing water during the above period, however during December to May average flow in river Tapi is 2039 Cusecs hence the question for proposed new plan to achieve minimum e-flow does not arise. 2. Detail of Good Irrigation Practices: • General Government practice of irrigation is maintained in command area of Ukai - Kakrapar Project. • Farmers are made aware to use water optimally. • During last three years' majority of canal lined at cost Rs. 540 crores. Canal system of Kakrapar Project are most of lined so as to minimize seepage losses. • As such no water logging issues are noticed due to irrigation in command area. 3. Detail on Flood Plain Management Zone: • As far as Tapi Reservoir Project is concerned. 252 villages of Surat District are identified which & may affected due to Floods in downstream of Kakrapar Weir for more than 3,91,100 cusecs discharge from Kakrapar, ln such condition people of these villages ae warned through early waning arrangement in consultation with Revenue Dept. • The work of Operational Flood Early Warning Model development for tapi basin has been taken up by National Remote Sensing Centre. ISRO, Hydrabad.

Annexure-IV

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

Stretch/ River	Existing plantation / vegetation cover details	Proposed plan	Time limit	Remarks
Tapi River (khadod to surat)	2350 trees (Source:- Social Forestry wing, Aranya Bhavan)	0.35 Lacs plantation to be done in 2020-2021	2020-2021	As per AAP (Annexure A) for both side plantation on PRS during 2020-21

Annexure – A

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

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	620.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**643.68**	**250**	**790.4**

Annexure-VI

Break up of STPs proposed in Tapi Suddhikaran Yojana (Source: GUDM)

Sr. No.	Name of Village /STP	Present Status	Physical Progress (in %)	Time Line given in the River Acton Plan (Year of Commissioning/ Execution)	Expected Date of Completion	Remarks
Mandvi – Surat		Tender re-invited of 3.5 MLD STP under SJMMSVY costing Rs. 10.43 crore. Last date of bid submission is 01/12/2020		Feb-2022	May-2022	Land is available
Cluster-1						
1	Timba STP/SPS -0.75 MLD	Work in progress	5	Feb-2022	15/09/2022	Land is available
2	Sevni STP/SPS-5.18 MLD	Land is not alloted yet. Hence, work cannot be started.	0		15/09/2022	Re-evaluation and consent of SUDA/DDO to pay market value is pending
3	Jhat Bharthana STP/SPS -0.17 MLD				15/09/2022	
4	Machhi STP/SPS -0.16 MLD	Work in progress.	5		15/09/2022	Land is available
5	Dhatva STP/SPS-0.34 MLD	Land is not alloted yet. Hence, work cannot be started.	0		15/09/2022	Land possession proposal sent to government vide letter dated Dt.19-09-2020
Cluster-2						
6	Ghala STP/SPS -1.39 MLD	Land is not alloted yet.Hence, work cannot be started.	0	Feb-2022	15/09/2022	Land possession proposal sent to government vide letter dated Dt.19-09-2020
7	Bodhan village STP/SPS -1.3 MLD	Work in progress	5		15/09/2022	Land is available
8	Khajaroli STP/SPS-0.29 MLD	Land is not alloted yet.Hence, work cannot be started.	0		15/09/2022	Land possession proposal sent to government vide letter dated Dt.19-09-2020
Cluster-3						
9	Vaghecha STP/SPS-0.28 MLD	Land is not alloted yet. Hence, work cannot be started.	0	Feb-2022	15/09/2022	Land Transfer to gram panchayat is under process
10	Bhamaiya STP/SPS-0.17 MLD	Work in progress	5		15/09/2022	Land is available
11	Mori STP/SPS -0.15 MLD	Land is not alloted yet. Hence, work cannot be started.	0		15/09/2022	Required area of land is not available.
12	Tarsada STP/SPS-0.82 MLD	Land is not alloted yet. Hence, work cannot be started.			15/09/2022	Land allotment proposal at the level of Collector, Surat
Cluster-4						

13	Punagam- Unn Kosadi STP/SPS-0.65 MLD	Land is not alloted yet.Hence, work cannot be started.	0	Feb-2022	15/09/2022	Land possession proposal sent to government vide letter dated 23-01-2020
14	Gamtalav bujrang-Usked Kurd STP/SPS -0.45 MLD		0			Land possession proposal sent to government vide letter dated 23-01-2020
Cluster-5						
15	Rataniya STP/SPS -0.23 MLD		Tender is online. Last date of bid submission is dt.14/12/2020	Feb-2022	31-12-2022	Proposal sent to government
16	Kolivada STP/SPS -0.18 MLD					Resolution has been given by the panchayat on dt.16-10-2020
Cluster-6						
17	Vadod STP/SPS-0.14 MLD		Tender to be invited shortly	Feb-2022	31-12-2022	Resolution has been given by the panchayat on dt.16-10-2020
18	Munjlav STP/SPS -0.44 MLD					Resolution has been given by panchayat on dt.16-10-2020
19	Dharampore STP/SPS -0.52 MLD					Resolution has been given by panchayat on dt.11-09-2020
20	Nogama STP/SPS -0.32 MLD					Resolution has been given by panchayat on dt.12-10-2020
21	Kolakui STP/SPS -0.15 MLD					Resolution has been given by panchayat on dt.19-10-2020
22	Usked& Togapur STP/SPS -0.15 MLD					Resolution has been given by panchayat on dt.11-10-2020
Cluster-7						
23	Kharoli STP/SPS -0.54 MLD		Tender to be invited shortly	Feb-2022	31-12-2022	Resolution has been given by panchayat on dt.12-10-2020
24	Gavachi STP/SPS -0.45 MLD					Resolution has been given by panchayat on dt.19-10-2020
Cluster-7						
25	Vareli (Kudashi) STP/SPS-0.08 MLD		Tender to be invited shortly	Feb-2022	31-12-2022	Resolution has been given by panchayat on dt.01-10-2020
26	Naren STP/SPS -0.46 MLD					Resolution has been given by panchayat on dt.19-10-2020
27	Pipariya STP/SPS-0.25 MLD					Resolution has been given by panchayat on dt.11-09-2020
28	Kevadiya STP/SPS -0.21 MLD					Resolution has been given by panchayat on dt.31-07-2020

Cluster-8					
29	**Godawadi STP/SPS -0.82 MLD**	**Tender to be invited shortly**	**Feb-2022**	**31-12-2022**	**Resolution has been given by panchayat on dt.31-07-2020**
30	**Kamlapore STP/SPS -0.33 MLD**				**Resolution has been given by panchayat on dt.21-08-2020**
31	**Nandpor STP/SPS -0.34 MLD**				**Resolution has been given by panchayat on dt.01-10-2020**
32	**Umarsadi STP/SPS-0.4 MLD**				**Resolution has been given by panchayat on dt.11-09-2020**
Cluster-9					
33	**Kadod-Haripura STP/SPS-2.64 MLD**	**Tender is online. Last date of bid submission is dt.14/12/2020**	**Feb-2022**	**31-12-2022**	**Resolution has been given by panchayat on dt.30-07-2020 for STP and 1 no of MPS. Resolution is under progress for 2 nos of SPS**
34	**Jhakla STP/SPS -0.18 MLD**				**Resolution has been given by panchayat on dt.16-10-2020**
35	**Miyawadi STP/SPS -0.08 MLD**				**Resolution is under progress by panchayat**
36	**Masad STP/SPS-0.46 MLD**				**Resolution is under progress by panchayat**

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 November – 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: 31
- No. of Non-complying STPs: 17
- Partially complying STPs: 5
- STPs under maintenance / modification: 2
- STPs not obtained CTE / CC&A of GPCB: 2
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 4
- Details of STPs not available: 3
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 23, ➢ Non complying: 11 *(as per CM dash board data for September-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 (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.:- 673/2018 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 9th RRC meeting held on 27.11.2020.	
XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:

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

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

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

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

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

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

(As per Annual report – 2018-19)

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

RRC meetings:

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

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

STPs:

Sr. No.	**Details of proposed STPs Proposed, if any**	**Status**
1.	13.70 MLD of STP (Dahod Nagarpalika):	Land is available. work-95 % completed.
2.	4.60 MLD of STP (Zalod Nagarpalika):	Land is available. work-75 % completed.

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 (as on 19.12.20)
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	Not complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Not 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 Naroda AUDA	7	7	Operational	
13	Ahmedabad Rasala	1	1	Operational	Complying
14	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
15	Ahmedabad V S Hospital	1	1	Operational	Complying
16	Ahmedabad Nikol	0.5	0.5	Operational	
17	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
18	Ahmedabad Lambha	5	2	Operational	Not Complying
19	Surat Singanpore 2003/2014	155	147.58	Operational	Complying
20	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	1999/2015				
21	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Complying
22	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
23	Surat Bamroli 2008/2019	100	77.9	Operational	Complying
24	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
25	Surat Khajod 2011	25	21.36	Operational	Complying
26	Surat Asarama 2011	15	19.23	Operational	Complying
27	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
28	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Complying
29	Surat Gavier 2016	53	5.37	Operational	Complying
30	Vadodara Tarsali	52	58	Operational	Not complying
31	Vadodara Gajarawadi	66	72	Operational	Partially complying
32	Vadodara Kapurai	43	50	Operational	Not complying
33	Vadodara Rajivnagar	78	32	Operational	Partially complying
34	Vadodara Sayaji garden	8.5	7	Operational	Under Modification
35	Vadodara Channi	21	25	Operational	Partially complying
36	Vadodara Atladara (old)	43	51	Operational	Partially complying
37	Vadodara Atladara (new)	43	54	Operational	Partially complying
38	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
39	Gandhinagar Sargasan 2012-13	10	3	Operational	Not complying
40	Gandhinagar Basan 2011-12	2	0.3	Operational	Not complying
41	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
42	Rajkot	56	15	Operational	Not complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	Raiyadhar 2017				
43	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not complying
44	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying
45	Rajkot Gavaridad 2018	70	30	Operational	Complying
46	Rajkot Madhapar 2019	80	20	Operational	Not Complying
47	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not obtained CTE
48	Bhavnagar Behind Excel industries	45	40	Operational	Complying
49	Jamnagar Navagam Ghed	70	65	Operational	Complying
50	Gandhidham - Anjar	30.00	22	Operational	Complying
51	Patan	25.00	13	Operational	Complying
52	Nadiad	51.26	20	Operational	Not complying
53	Siddhpur	5.62	5	Operational	Oxidation pond
54	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
55	Sanand	20.50	0	Non -Operational Under trial run	
56	Himmatnagar	17.51	6	Operational	Complying
57	Petlad	10.37	8	Operational	Complying
58	Dholka	13.60	8	Operational	STP was found under maintenance during the last visit, before that STP was complying with the norms.
59	Savarkundla	13.90	5	Operational	Oxidation pond
60	Gadhda	6.50	2	Operational	Oxidation pond
61	Kathlal	3.80	2.59	Operational	Oxidation pond
62	Mahudha	2.10	1.76	Operational	Oxidation pond
63	Bayad	4.00	2.06	Operational	Oxidation pond

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
64	Patadi	2.80	1.33	Operational	Oxidation pond
65	Sojitra	2.30	2	Operational	Oxidation pond
66	Dwarka	7.50	2.28	Operational	Not obtained CTE & CC&A
67	Godhra	27.60	4	Operational	Complying
68	Bhuj	23.70	19	Operational	Not Complying
69	Bhachau	10	4	Operational	
70	Anand	33	9	At commissioning stage	
71	Anand	13.5	2.5	Just been commissioned and yet to be visited.	
72	Surendranagar	32.3	17	Operational	Under final stage of Trial. Not obtained CTE & CC&A of the GPCB.
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	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ahmedabad Vinzol	100	70%	Completed	30/06/2021
2	Ahmedabad Pirana	155	78%	Completed	31/03/2021
3	Ahmedabad Maleksaban	30	01%	Completed	31/12/2022
4	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5	Ahmedabad saijpur lake	07	01%	Completed	31/12/2022
6	Surat Bhesan	100	90%	Completed	31/03/2021
7	Surat Singanpore	100	82%	Completed	30/06/2021
8	Surat Bhatar	115	56%	Completed	31/07/2021

9	Surat Bamroli	115	34%	Completed	30/04/2021
10	Surat Asarma	22.5	11%	Completed	30/09/2021
11	Surat Khajod	30	06%	Completed	30/09/2021
12	Vadodara Kapurai	60	66%	70%	30/06/2021
13	Vadodara Chhani	50	15%	Completed	31/12/2021
14	Vadodara Bhayli	45	08%	Completed	28/02/2022
15	Vadodara Sayaji garden	7.5	30%	Completed	30/06/2021
16	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17	Bhavnagar Axcel Industries	50	20%	Completed	31/05/2022
18	Junagadh Bilkha Road, Near CBSE School	8.2	20%	Completed	31/03/2021
19	Rajula	5.70	0.00%	Completed	09/07/2021
20	Bagasara	5.90	5.00%	Completed	09/07/2021
21	Chalala	2.80	78.00%	Completed	12/04/2021
22	Mahuva	16.30	30.00%	Completed	21/01/2021
23	Talaja	5.80	21.00%	Completed	31/12/2020
24	Una	11.70	46.00%	Completed	25/02/2021
25	Bantva	2.60	66.00%	Completed	31/12/2020
26	Dehgam	7.60	75.00%	Completed	31/03/2021
27	Mansa	5.00	13.00%	Completed	30/04/2021
28	Tharad	4.80	95.00%	Completed	31/12/2020
29	Dhanera	4.00	17.00%	Completed	31/03/2022
30	Bhabhar	3.50	25.00%	Completed	31/12/2021
31	Thara	3.60	14.00%	Completed	31/12/2021
32	Kadi	12.80	8.00%	Completed	28/07/2021
33	Unjha	11.60	48.00%	Completed	22/05/2021
34	Visnagar-1	12.00	75.00%	Completed	04/04/2021
35	Visnagar-2	5.30	14.00%	Completed	04/04/2021
36	Kheralu	2.90	26.00%	Completed	27/06/2021
37	Vijapur	4.10	5.00%	Completed	27/06/2021
38	Radhanpur	6.00	1.00%	98%	31/03/2022
39	Idar	7.40	63.00%	Completed	31/12/2020
40	Khedbrahma	5.80	37.00%	Completed	31/12/2020
41	Prantij	3.70	26.00%	Completed	31/12/2020
42	Talod	3.60	0.00%	Completed	12/05/2021
43	Vadali	3.80	0.00%	Completed	12/05/2021
44	Jambusar	5.90	32.00%	Completed	30/09/2021
45	Amod	3.10	1.00%	Completed	30/09/2021
46	Billimora	8.30	0.00%	Completed	31/12/2021
47	Gandevi	2.60	5.00%	Completed	05/03/2021

48	Bardoli	11.30	60.00%	Completed	31/12/2020
49	Kanakpur Kansad	7.80	0.00%	Completed	31/03/2022
50	Vyara	6.50	72.00%	Completed	31/12/2020
51	Dharampur	4.10	25.00%	Completed	30/09/2021
52	Borsad	9.80	60.00%	Completed	31/12/2020
53	Umreth	6.10	29.00%	Completed	30/06/2021
54	Dahod	13.70	95.00%	Completed	31/12/2020
55	Zalod	4.60	75.00%	Completed	31/12/2020
56	Devgadhbariya	3.80	66.00%	Completed	31/03/2021
57	Santrampur	2.91	5.00%	Completed	31/03/2021
58	Kalol (P)	4.77	5.00%	Completed	04/04/2021
59	Shehra	2.80	0.00%	Completed	04/05/2021
60	Chhotaudepur	5.00	79.00%	Completed	31/12/2020
61	Padra	5.60	40.00%	Completed	02/03/2021
62	Viramgam	4.50	18.00%	Completed	30/05/2021
63	Bavla	5.80	2.00%	Completed	31/12/2021
64	Dhandhuka	7.50	81.00%	Completed	28/02/2021
65	Bareja	3.10	40.00%	Completed	21/02/2021
66	Chaklasi	4.90	0.00%	Completed	31/03/2022
67	Kapadwanj	6.20	0.00%	Completed	30/06/2021
68	Mehmdabad	5.60	36.00%	Completed	30/06/2021
69	Dakor	4.90	0.00%	Completed	30/06/2021
70	Kheda	5.20	5.00%	Completed	30/06/2021
71	Chotila-1	2.30	0.00%	Completed	31/03/2021
72	Chotila-2	1.70	0.00%	Completed	31/03/2021
73	Wadhwan	12.10	0.00%	Completed	31/03/2022
74	Dhangadhra	11.60	83.00%	Completed	28/02/2021
75	Barwala	2.90	6.00%	Completed	09/07/2021
76	Jasdan	8.80	95.00%	Completed	31/12/2020
77	Harij	3.00	0.00%	Completed	15/05/2021
78	Chanasma	2.50	0.00%	Completed	15/05/2021
79	Ode	2.50	0.00%	Completed	09/09/2021
80	Karjan	5.20	0.00%	Completed	14/06/2021
81	Vadnagar	5.94	95.00%	Completed	31/12/2020
82	Botad	32.00	86.00%	Completed	11/12/2020
83	Morbi-2	9.30	84.00%	Completed	31/12/2020
84	Jetpur	23.50	83.00%	Completed	31/12/2020
85	Gondal	16.50	43.00%	Completed	31/03/2021
86	Amreli	18.20	71.00%	Completed	31/12/2020
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%	31/12/2020
91	Vapi-1	14.00	40.00%	Completed	31/12/2020
92	Anand-3	6.50	80.00%	Completed	31/12/2020
93	Porbandar-1	12.80	80.00%	Completed	31/12/2020

94	Porbandar-2	19.10	90.00%	Completed	31/12/2020
95	Damnagar	2.80	0.00%	Completed	31/12/2021
96	Lathi	3.80	0.00%	Completed	31/12/2021
97	Keshod	13.30	0.00%	Completed	31/12/2021
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	Gandhinagar Sargasan	50	DPR Stage	31/12/2022
6	Bhavnagar Akwada	19.2	Work to be Awarded	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	Under Tender evaluation	31/12/2021
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	Under Tender evaluation	31/03/2022
18	Khambhat-2	4.50	Under Tender evaluation	31/03/2022
19	Anklav	3.60	Under Tender	31/03/2022

			evaluation	
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
29	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
30	Wankaner	5.80	Tender tobe invited	31/03/2022
31	Chhaya	13.10	Under Tender evaluation	31/03/2022
32	Palitana	10.81	Under Tender evaluation	31/03/2022
33	Mandvi Surat	3.50	Under Tender evaluation	31/03/2022
34	Thangadh	9.00	Under Tender evaluation	31/03/2022
35	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
36	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
37	Vapi-2	29.53	DPR/DTP stage	31/03/2022
38	Babra	4.00	Tender tobe invited	31/12/2022
39	Kodinar	5.60	Tender tobe invited	31/12/2022
40	Sutrapada	4.00	Tender tobe invited	31/12/2022
41	Talala	3.80	Tender tobe invited	31/12/2022
42	Chorvad	3.70	Tender tobe invited	31/12/2022
43	Halol	11.60	Tender tobe invited	31/12/2022
44	Thasra	2.30	Tender tobe invited	31/12/2022
45	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
46	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
47	Jamraval	2.60	Tender tobe invited	31/12/2022
48	Dhrol	3.60	Tender tobe invited	31/12/2022
49	Kalavad	3.60	Tender Online	31/12/2022
50	Halvad	6.70	Under Tender evaluation	31/12/2022
51	Maliya	2.50	Tender tobe invited	31/12/2022
52	Kutiyana	2.90	Tender tobe invited	31/12/2022
53	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022

54	Ranavav-2	4.50	Tender tobe invited	31/12/2022
55	Dhoraji	12.90	Tender tobe invited	31/12/2022
56	Bhayavadar	3.10	Tender tobe invited	31/12/2022
57	Manavadar	4.90	Under Tender evaluation	31/12/2022
58	Pethapur	3.80	Under Tender evaluation	31/12/2022
59	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
60	Umargam	6.48	Under Tender evaluation	31/12/2022
61	Dabhoi	8.96	Under Tender evaluation	31/12/2022
62	Sikka	2.90	Tender Online	31/12/2022
63	Valsad-2	15.00	DPR/DTP stage	31/03/2022
64	Mahesana-1	23.18	Tender Online	31/03/2022
65	Mahesana-2	18.46	Tender Online	31/03/2022
66	Jafrabad	5.4	DPR/DTP stage	31/12/2022
67	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
68	Shihor	8.9	Tender tobe invited	31/12/2022
69	Mangrol	9.6	DPR/DTP stage	31/12/2022
70	Vanthli	2.2	DPR/DTP stage	31/12/2022
71	Modasa	12.0	DPR/DTP stage	31/12/2022
72	Tarsadi	5.8	DPR/DTP stage	31/12/2022
73	Songadh	4.5	Tender tobe invited	31/12/2022
74	Pardi	4.6	Tender tobe invited	31/12/2022
75	Karamsad	6.0	Tender tobe invited	31/12/2022
76	Limdi	7.4	DPR/DTP stage	31/12/2022
77	Bhachau	1.0	Tender tobe invited	31/12/2022
78	Rapar	5.2	Tender tobe invited	31/12/2022
79	Upleta	8.9	DPR/DTP stage	31/12/2022
80	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

Annexure-II

XIII. Progress/Status Report of the River/PRS water quality Monitoring (November– 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.	0.6	6.0	8.2	4	8.07	47	284

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

Annexure-II (A) STPs Results

NA , 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 (November– 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	0.7	12	3.2	<2	7.03	<2	912
Well At Hindu Dharamashala, Station Road, Dahod	0.6	10.0	5.2	<2	7.67	<2	328

Annexure-III

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

Sr.No	River name	Details/Status
1	Anas	1. Environmental flow: • 735 MCM (As per MoEF & CC Norms) Proposed plan to achieve minimum e-flow: There is less inflow from December to May in Anas River hence there is no question of releasing water during above period, however December to May, Average flow in river Anas is 600 Cusecs hence question does not arise. 2. Detail of Good irrigation Practices: • NA 3. Detail on Flood Plain Management Zone: • NA

Annexure-IV

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

Stretch/river	Existing plantation/vegetation cover details	Proposed plan	Time limit	Remarks
Anas	Existing vegetation covered by Propopis juliflora & caparis aphylla, 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

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	620.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**643.68**	**250**	**790.4**

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

For the State of Gujarat
Monthly Progress Report of PRS Baleshwar Khadi for November – 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: 31
- No. of Non-complying STPs: 17
- Partially complying STPs: 5
- STPs under maintenance / modification: 2
- STPs not obtained CTE / CC&A of GPCB: 2
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 4
- Details of STPs not available: 3
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**

  Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 23, ➢ Non complying: 11 *(as per CM dash board data for September-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 (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.:- 673/2018 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 9th RRC meeting held on 27.11.2020.	
XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:

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

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

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

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

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

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

(As per Annual report – 2018-19)

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

RRC meetings:

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

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

STPs: PRH & RDD was informed to submit the action plan for management of sewage generated from the villages along this PRS like Baleshwar, Samrod & nearby- about 9 MLD.

A meeting was convened in this regard on 22/10/2020 under the chairmanship of ACS PRH&RDD. Representatives from Gujarat Pollution Control Board, GWSSB and office of Rural Development Commissioner attended the meeting. During the meeting, GWSSB was assigned a task for management of sewage being generated from 13 villages of Bharuch & Vadodara District by providing STP, Dewatts, Septic tanks etc. and planning report in this regard to be submitted to Panchayat Department. It was decided to obtain details of estimated population of the villages of Valsad & Surat districts based on the census -2011 and 2.1% annual population growth in order to plan out the management of sewage being discharged from the villages of Valsad & Surat districts into the river stretches.

CETPs:

Sr. No.	Proposed CETP details	Status
1.	Upgradation CETP GETPL:- proposed Up gradation of	• Obtained CTE Amendment for zero liquid discharge. New installations of Sedimentation

	CETP to achieve ZLD	tank, Casket cooling system, Disk flotation, Ultrafiltration and RO plant are proposed for upgradation and reuse of treated waste water by member units. • Land leveling & Compound wall / Gabion wall under Progress. Expected to be completed by 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 (as on 19.12.20)
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	Not complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Not 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 Naroda AUDA	7	7	Operational	
13	Ahmedabad Rasala	1	1	Operational	Complying
14	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
15	Ahmedabad V S Hospital	1	1	Operational	Complying
16	Ahmedabad Nikol	0.5	0.5	Operational	
17	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
18	Ahmedabad Lambha	5	2	Operational	Not Complying
19	Surat Singanpore 2003/2014	155	147.58	Operational	Complying
20	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	1999/2015				
21	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Complying
22	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
23	Surat Bamroli 2008/2019	100	77.9	Operational	Complying
24	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
25	Surat Khajod 2011	25	21.36	Operational	Complying
26	Surat Asarama 2011	15	19.23	Operational	Complying
27	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
28	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Complying
29	Surat Gavier 2016	53	5.37	Operational	Complying
30	Vadodara Tarsali	52	58	Operational	Not complying
31	Vadodara Gajarawadi	66	72	Operational	Partially complying
32	Vadodara Kapurai	43	50	Operational	Not complying
33	Vadodara Rajivnagar	78	32	Operational	Partially complying
34	Vadodara Sayaji garden	8.5	7	Operational	Under Modification
35	Vadodara Channi	21	25	Operational	Partially complying
36	Vadodara Atladara (old)	43	51	Operational	Partially complying
37	Vadodara Atladara (new)	43	54	Operational	Partially complying
38	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
39	Gandhinagar Sargasan 2012-13	10	3	Operational	Not complying
40	Gandhinagar Basan 2011-12	2	0.3	Operational	Not complying
41	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
42	Rajkot	56	15	Operational	Not complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	Raiyadhar 2017				
43	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not complying
44	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying
45	Rajkot Gavaridad 2018	70	30	Operational	Complying
46	Rajkot Madhapar 2019	80	20	Operational	Not Complying
47	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not obtained CTE
48	Bhavnagar Behind Excel industries	45	40	Operational	Complying
49	Jamnagar Navagam Ghed	70	65	Operational	Complying
50	Gandhidham - Anjar	30.00	22	Operational	Complying
51	Patan	25.00	13	Operational	Complying
52	Nadiad	51.26	20	Operational	Not complying
53	Siddhpur	5.62	5	Operational	Oxidation pond
54	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
55	Sanand	20.50	0	Non -Operational Under trial run	
56	Himmatnagar	17.51	6	Operational	Complying
57	Petlad	10.37	8	Operational	Complying
58	Dholka	13.60	8	Operational	STP was found under maintenance during the last visit, before that STP was complying with the norms.
59	Savarkundla	13.90	5	Operational	Oxidation pond
60	Gadhda	6.50	2	Operational	Oxidation pond
61	Kathlal	3.80	2.59	Operational	Oxidation pond
62	Mahudha	2.10	1.76	Operational	Oxidation pond
63	Bayad	4.00	2.06	Operational	Oxidation pond

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
64	Patadi	2.80	1.33	Operational	Oxidation pond
65	Sojitra	2.30	2	Operational	Oxidation pond
66	Dwarka	7.50	2.28	Operational	Not obtained CTE & CC&A
67	Godhra	27.60	4	Operational	Complying
68	Bhuj	23.70	19	Operational	Not Complying
69	Bhachau	10	4	Operational	
70	Anand	33	9	At commissioning stage	
71	Anand	13.5	2.5	Just been commissioned and yet to be visited.	
72	Surendranagar	32.3	17	Operational	Under final stage of Trial. Not obtained CTE & CC&A of the GPCB.
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	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ahmedabad Vinzol	100	70%	Completed	30/06/2021
2	Ahmedabad Pirana	155	78%	Completed	31/03/2021
3	Ahmedabad Maleksaban	30	01%	Completed	31/12/2022
4	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5	Ahmedabad saijpur lake	07	01%	Completed	31/12/2022
6	Surat Bhesan	100	90%	Completed	31/03/2021
7	Surat Singanpore	100	82%	Completed	30/06/2021
8	Surat Bhatar	115	56%	Completed	31/07/2021
9	Surat Bamroli	115	34%	Completed	30/04/2021
10	Surat Asarma	22.5	11%	Completed	30/09/2021

11	Surat Khajod	30	06%	Completed	30/09/2021
12	Vadodara Kapurai	60	66%	70%	30/06/2021
13	Vadodara Chhani	50	15%	Completed	31/12/2021
14	Vadodara Bhayli	45	08%	Completed	28/02/2022
15	Vadodara Sayaji garden	7.5	30%	Completed	30/06/2021
16	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17	Bhavnagar Axcel Industries	50	20%	Completed	31/05/2022
18	Junagadh Bilkha Road, Near CBSE School	8.2	20%	Completed	31/03/2021
19	Rajula	5.70	0.00%	Completed	09/07/2021
20	Bagasara	5.90	5.00%	Completed	09/07/2021
21	Chalala	2.80	78.00%	Completed	12/04/2021
22	Mahuva	16.30	30.00%	Completed	21/01/2021
23	Talaja	5.80	21.00%	Completed	31/12/2020
24	Una	11.70	46.00%	Completed	25/02/2021
25	Bantva	2.60	66.00%	Completed	31/12/2020
26	Dehgam	7.60	75.00%	Completed	31/03/2021
27	Mansa	5.00	13.00%	Completed	30/04/2021
28	Tharad	4.80	95.00%	Completed	31/12/2020
29	Dhanera	4.00	17.00%	Completed	31/03/2022
30	Bhabhar	3.50	25.00%	Completed	31/12/2021
31	Thara	3.60	14.00%	Completed	31/12/2021
32	Kadi	12.80	8.00%	Completed	28/07/2021
33	Unjha	11.60	48.00%	Completed	22/05/2021
34	Visnagar-1	12.00	75.00%	Completed	04/04/2021
35	Visnagar-2	5.30	14.00%	Completed	04/04/2021
36	Kheralu	2.90	26.00%	Completed	27/06/2021
37	Vijapur	4.10	5.00%	Completed	27/06/2021
38	Radhanpur	6.00	1.00%	98%	31/03/2022
39	Idar	7.40	63.00%	Completed	31/12/2020
40	Khedbrahma	5.80	37.00%	Completed	31/12/2020
41	Prantij	3.70	26.00%	Completed	31/12/2020
42	Talod	3.60	0.00%	Completed	12/05/2021
43	Vadali	3.80	0.00%	Completed	12/05/2021
44	Jambusar	5.90	32.00%	Completed	30/09/2021
45	Amod	3.10	1.00%	Completed	30/09/2021
46	Billimora	8.30	0.00%	Completed	31/12/2021
47	Gandevi	2.60	5.00%	Completed	05/03/2021
48	Bardoli	11.30	60.00%	Completed	31/12/2020
49	Kanakpur	7.80	0.00%	Completed	31/03/2022

	Kansad				
50	Vyara	6.50	72.00%	Completed	31/12/2020
51	Dharampur	4.10	25.00%	Completed	30/09/2021
52	Borsad	9.80	60.00%	Completed	31/12/2020
53	Umreth	6.10	29.00%	Completed	30/06/2021
54	Dahod	13.70	95.00%	Completed	31/12/2020
55	Zalod	4.60	75.00%	Completed	31/12/2020
56	Devgadhbariya	3.80	66.00%	Completed	31/03/2021
57	Santrampur	2.91	5.00%	Completed	31/03/2021
58	Kalol (P)	4.77	5.00%	Completed	04/04/2021
59	Shehra	2.80	0.00%	Completed	04/05/2021
60	Chhotaudepur	5.00	79.00%	Completed	31/12/2020
61	Padra	5.60	40.00%	Completed	02/03/2021
62	Viramgam	4.50	18.00%	Completed	30/05/2021
63	Bavla	5.80	2.00%	Completed	31/12/2021
64	Dhandhuka	7.50	81.00%	Completed	28/02/2021
65	Bareja	3.10	40.00%	Completed	21/02/2021
66	Chaklasi	4.90	0.00%	Completed	31/03/2022
67	Kapadwanj	6.20	0.00%	Completed	30/06/2021
68	Mehmdabad	5.60	36.00%	Completed	30/06/2021
69	Dakor	4.90	0.00%	Completed	30/06/2021
70	Kheda	5.20	5.00%	Completed	30/06/2021
71	Chotila-1	2.30	0.00%	Completed	31/03/2021
72	Chotila-2	1.70	0.00%	Completed	31/03/2021
73	Wadhwan	12.10	0.00%	Completed	31/03/2022
74	Dhangadhra	11.60	83.00%	Completed	28/02/2021
75	Barwala	2.90	6.00%	Completed	09/07/2021
76	Jasdan	8.80	95.00%	Completed	31/12/2020
77	Harij	3.00	0.00%	Completed	15/05/2021
78	Chanasma	2.50	0.00%	Completed	15/05/2021
79	Ode	2.50	0.00%	Completed	09/09/2021
80	Karjan	5.20	0.00%	Completed	14/06/2021
81	Vadnagar	5.94	95.00%	Completed	31/12/2020
82	Botad	32.00	86.00%	Completed	11/12/2020
83	Morbi-2	9.30	84.00%	Completed	31/12/2020
84	Jetpur	23.50	83.00%	Completed	31/12/2020
85	Gondal	16.50	43.00%	Completed	31/03/2021
86	Amreli	18.20	71.00%	Completed	31/12/2020
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%	31/12/2020
91	Vapi-1	14.00	40.00%	Completed	31/12/2020
92	Anand-3	6.50	80.00%	Completed	31/12/2020
93	Porbandar-1	12.80	80.00%	Completed	31/12/2020
94	Porbandar-2	19.10	90.00%	Completed	31/12/2020
95	Damnagar	2.80	0.00%	Completed	31/12/2021

96	Lathi	3.80	0.00%	Completed	31/12/2021
97	Keshod	13.30	0.00%	Completed	31/12/2021
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	Gandhinagar Sargasan	50	DPR Stage	31/12/2022
6	Bhavnagar Akwada	19.2	Work to be Awarded	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	Under Tender evaluation	31/12/2021
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	Under Tender evaluation	31/03/2022
18	Khambhat-2	4.50	Under Tender evaluation	31/03/2022
19	Anklav	3.60	Under Tender evaluation	31/03/2022
20	Boriavi	3.30	Under Tender	31/03/2022

			evaluation	
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
29	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
30	Wankaner	5.80	Tender tobe invited	31/03/2022
31	Chhaya	13.10	Under Tender evaluation	31/03/2022
32	Palitana	10.81	Under Tender evaluation	31/03/2022
33	Mandvi Surat	3.50	Under Tender evaluation	31/03/2022
34	Thangadh	9.00	Under Tender evaluation	31/03/2022
35	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
36	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
37	Vapi-2	29.53	DPR/DTP stage	31/03/2022
38	Babra	4.00	Tender tobe invited	31/12/2022
39	Kodinar	5.60	Tender tobe invited	31/12/2022
40	Sutrapada	4.00	Tender tobe invited	31/12/2022
41	Talala	3.80	Tender tobe invited	31/12/2022
42	Chorvad	3.70	Tender tobe invited	31/12/2022
43	Halol	11.60	Tender tobe invited	31/12/2022
44	Thasra	2.30	Tender tobe invited	31/12/2022
45	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
46	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
47	Jamraval	2.60	Tender tobe invited	31/12/2022
48	Dhrol	3.60	Tender tobe invited	31/12/2022
49	Kalavad	3.60	Tender Online	31/12/2022
50	Halvad	6.70	Under Tender evaluation	31/12/2022
51	Maliya	2.50	Tender tobe invited	31/12/2022
52	Kutiyana	2.90	Tender tobe invited	31/12/2022
53	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
54	Ranavav-2	4.50	Tender tobe invited	31/12/2022
55	Dhoraji	12.90	Tender tobe invited	31/12/2022

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

Annexure-II

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

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

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
02-11-2020	Baleshwar Khadi	7.3	7.76	0.43	10	19	59

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
10-11-2020	CETP Of New Palsana Industrial Co-Op. Society Ltd.	7.85	17	224	5.2	44	1.96	0.56

*** 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:- Borewell At 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 & XVIII given by Irrigation Dept./WRD as on date

Sr.No	River name	Details/Status
1	Baleshwar Khadi	1. Environmental flow: • NA, Baleshwar Khadi is not a perennial river. 2. Detail of Good irrigation Practices: • There is no Irrigation project existing on Baleshwar Khadi. So the question of Irrigation Practice does not arise. 3. Detail on Flood Plain Management Zone: • No such heavy flood is noticed in this drain, so question does not arise.

Annexure-IV

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

The details received from Social Forestry wing, Aranya Bhavan, Gandhinagar are as under				
Stretch/river	**Existing plantation/vegetation cover details**	**Proposed plan**	**Time limit**	**Remarks**
Baleshwar Khadi (Pandesara to kapletha)	1430 trees	0.02 lacs Plantation to be done in 2020-2021	2020-2021	As per AAP (Annexure A) for both side plantation on PRS during 2020-21

Annexure – A

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

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	620.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**643.68**	**250**	**790.4**

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 November – 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: 31
- No. of Non-complying STPs: 17
- Partially complying STPs: 5
- STPs under maintenance / modification: 2
- STPs not obtained CTE / CC&A of GPCB: 2
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 4
- Details of STPs not available: 3
- 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: 23, ➢ Non complying: 11 *(as per CM dash board data for September-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 (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. 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 9th RRC meeting held on	

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

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

RRC meetings:

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

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

STPs: Work for management of sewage, from villages being discharged in to the 6 PRS, has been assigned to GWSSB during the meeting held on 22/10/2020 under the chairmanship of Additional Chief Secretary, Panchayat. With reference to the instructions giving during the 9th RRC meeting held on 27/11/2020, PRHRDD vide letter dated 09/12/2020 asked GWSSB to submit preliminary report comprising of details like strategy for management of sewage from villages along the 6 PRS (i.e individual or cluster based approach), expected cost & timeline for completion and other relevant details.

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 (as on 19.12.20)
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	Not complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Not 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 Naroda AUDA	7	7	Operational	
13	Ahmedabad Rasala	1	1	Operational	Complying
14	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
15	Ahmedabad V S Hospital	1	1	Operational	Complying
16	Ahmedabad Nikol	0.5	0.5	Operational	
17	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
18	Ahmedabad Lambha	5	2	Operational	Not Complying
19	Surat Singanpore 2003/2014	155	147.58	Operational	Complying
20	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	1999/2015				
21	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Complying
22	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
23	Surat Bamroli 2008/2019	100	77.9	Operational	Complying
24	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
25	Surat Khajod 2011	25	21.36	Operational	Complying
26	Surat Asarama 2011	15	19.23	Operational	Complying
27	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
28	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Complying
29	Surat Gavier 2016	53	5.37	Operational	Complying
30	Vadodara Tarsali	52	58	Operational	Not complying
31	Vadodara Gajarawadi	66	72	Operational	Partially complying
32	Vadodara Kapurai	43	50	Operational	Not complying
33	Vadodara Rajivnagar	78	32	Operational	Partially complying
34	Vadodara Sayaji garden	8.5	7	Operational	Under Modification
35	Vadodara Channi	21	25	Operational	Partially complying
36	Vadodara Atladara (old)	43	51	Operational	Partially complying
37	Vadodara Atladara (new)	43	54	Operational	Partially complying
38	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
39	Gandhinagar Sargasan 2012-13	10	3	Operational	Not complying
40	Gandhinagar Basan 2011-12	2	0.3	Operational	Not complying
41	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
42	Rajkot	56	15	Operational	Not complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	Raiyadhar 2017				
43	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not complying
44	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying
45	Rajkot Gavaridad 2018	70	30	Operational	Complying
46	Rajkot Madhapar 2019	80	20	Operational	Not Complying
47	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not obtained CTE
48	Bhavnagar Behind Excel industries	45	40	Operational	Complying
49	Jamnagar Navagam Ghed	70	65	Operational	Complying
50	Gandhidham - Anjar	30.00	22	Operational	Complying
51	Patan	25.00	13	Operational	Complying
52	Nadiad	51.26	20	Operational	Not complying
53	Siddhpur	5.62	5	Operational	Oxidation pond
54	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
55	Sanand	20.50	0	Non -Operational Under trial run	
56	Himmatnagar	17.51	6	Operational	Complying
57	Petlad	10.37	8	Operational	Complying
58	Dholka	13.60	8	Operational	STP was found under maintenance during the last visit, before that STP was complying with the norms.
59	Savarkundla	13.90	5	Operational	Oxidation pond
60	Gadhda	6.50	2	Operational	Oxidation pond
61	Kathlal	3.80	2.59	Operational	Oxidation pond
62	Mahudha	2.10	1.76	Operational	Oxidation pond
63	Bayad	4.00	2.06	Operational	Oxidation pond

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
64	Patadi	2.80	1.33	Operational	Oxidation pond
65	Sojitra	2.30	2	Operational	Oxidation pond
66	Dwarka	7.50	2.28	Operational	Not obtained CTE & CC&A
67	Godhra	27.60	4	Operational	Complying
68	Bhuj	23.70	19	Operational	Not Complying
69	Bhachau	10	4	Operational	
70	Anand	33	9	At commissioning stage	
71	Anand	13.5	2.5	Just been commissioned and yet to be visited.	
72	Surendranagar	32.3	17	Operational	Under final stage of Trial. Not obtained CTE & CC&A of the GPCB.
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	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ahmedabad Vinzol	100	70%	Completed	30/06/2021
2	Ahmedabad Pirana	155	78%	Completed	31/03/2021
3	Ahmedabad Maleksaban	30	01%	Completed	31/12/2022
4	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5	Ahmedabad saijpur lake	07	01%	Completed	31/12/2022

6	Surat Bhesan	100	90%	Completed	31/03/2021
7	Surat Singanpore	100	82%	Completed	30/06/2021
8	Surat Bhatar	115	56%	Completed	31/07/2021
9	Surat Bamroli	115	34%	Completed	30/04/2021
10	Surat Asarma	22.5	11%	Completed	30/09/2021
11	Surat Khajod	30	06%	Completed	30/09/2021
12	Vadodara Kapurai	60	66%	70%	30/06/2021
13	Vadodara Chhani	50	15%	Completed	31/12/2021
14	Vadodara Bhayli	45	08%	Completed	28/02/2022
15	Vadodara Sayaji garden	7.5	30%	Completed	30/06/2021
16	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17	Bhavnagar Axcel Industries	50	20%	Completed	31/05/2022
18	Junagadh Bilkha Road, Near CBSE School	8.2	20%	Completed	31/03/2021
19	Rajula	5.70	0.00%	Completed	09/07/2021
20	Bagasara	5.90	5.00%	Completed	09/07/2021
21	Chalala	2.80	78.00%	Completed	12/04/2021
22	Mahuva	16.30	30.00%	Completed	21/01/2021
23	Talaja	5.80	21.00%	Completed	31/12/2020
24	Una	11.70	46.00%	Completed	25/02/2021
25	Bantva	2.60	66.00%	Completed	31/12/2020
26	Dehgam	7.60	75.00%	Completed	31/03/2021
27	Mansa	5.00	13.00%	Completed	30/04/2021
28	Tharad	4.80	95.00%	Completed	31/12/2020
29	Dhanera	4.00	17.00%	Completed	31/03/2022
30	Bhabhar	3.50	25.00%	Completed	31/12/2021
31	Thara	3.60	14.00%	Completed	31/12/2021
32	Kadi	12.80	8.00%	Completed	28/07/2021
33	Unjha	11.60	48.00%	Completed	22/05/2021

34	Visnagar-1	12.00	75.00%	Completed	04/04/2021
35	Visnagar-2	5.30	14.00%	Completed	04/04/2021
36	Kheralu	2.90	26.00%	Completed	27/06/2021
37	Vijapur	4.10	5.00%	Completed	27/06/2021
38	Radhanpur	6.00	1.00%	98%	31/03/2022
39	Idar	7.40	63.00%	Completed	31/12/2020
40	Khedbrahma	5.80	37.00%	Completed	31/12/2020
41	Prantij	3.70	26.00%	Completed	31/12/2020
42	Talod	3.60	0.00%	Completed	12/05/2021
43	Vadali	3.80	0.00%	Completed	12/05/2021
44	Jambusar	5.90	32.00%	Completed	30/09/2021
45	Amod	3.10	1.00%	Completed	30/09/2021
46	Billimora	8.30	0.00%	Completed	31/12/2021
47	Gandevi	2.60	5.00%	Completed	05/03/2021
48	Bardoli	11.30	60.00%	Completed	31/12/2020
49	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
50	Vyara	6.50	72.00%	Completed	31/12/2020
51	Dharampur	4.10	25.00%	Completed	30/09/2021
52	Borsad	9.80	60.00%	Completed	31/12/2020
53	Umreth	6.10	29.00%	Completed	30/06/2021
54	Dahod	13.70	95.00%	Completed	31/12/2020
55	Zalod	4.60	75.00%	Completed	31/12/2020
56	Devgadhbariya	3.80	66.00%	Completed	31/03/2021
57	Santrampur	2.91	5.00%	Completed	31/03/2021
58	Kalol (P)	4.77	5.00%	Completed	04/04/2021
59	Shehra	2.80	0.00%	Completed	04/05/2021
60	Chhotaudepur	5.00	79.00%	Completed	31/12/2020
61	Padra	5.60	40.00%	Completed	02/03/2021
62	Viramgam	4.50	18.00%	Completed	30/05/2021
63	Bavla	5.80	2.00%	Completed	31/12/2021
64	Dhandhuka	7.50	81.00%	Completed	28/02/2021
65	Bareja	3.10	40.00%	Completed	21/02/2021
66	Chaklasi	4.90	0.00%	Completed	31/03/2022
67	Kapadwanj	6.20	0.00%	Completed	30/06/2021
68	Mehmdabad	5.60	36.00%	Completed	30/06/2021
69	Dakor	4.90	0.00%	Completed	30/06/2021
70	Kheda	5.20	5.00%	Completed	30/06/2021
71	Chotila-1	2.30	0.00%	Completed	31/03/2021
72	Chotila-2	1.70	0.00%	Completed	31/03/2021
73	Wadhwan	12.10	0.00%	Completed	31/03/2022
74	Dhangadhra	11.60	83.00%	Completed	28/02/2021
75	Barwala	2.90	6.00%	Completed	09/07/2021
76	Jasdan	8.80	95.00%	Completed	31/12/2020
77	Harij	3.00	0.00%	Completed	15/05/2021
78	Chanasma	2.50	0.00%	Completed	15/05/2021
79	Ode	2.50	0.00%	Completed	09/09/2021
80	Karjan	5.20	0.00%	Completed	14/06/2021

81	Vadnagar	5.94	95.00%	Completed	31/12/2020
82	Botad	32.00	86.00%	Completed	11/12/2020
83	Morbi-2	9.30	84.00%	Completed	31/12/2020
84	Jetpur	23.50	83.00%	Completed	31/12/2020
85	Gondal	16.50	43.00%	Completed	31/03/2021
86	Amreli	18.20	71.00%	Completed	31/12/2020
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%	31/12/2020
91	Vapi-1	14.00	40.00%	Completed	31/12/2020
92	Anand-3	6.50	80.00%	Completed	31/12/2020
93	Porbandar-1	12.80	80.00%	Completed	31/12/2020
94	Porbandar-2	19.10	90.00%	Completed	31/12/2020
95	Damnagar	2.80	0.00%	Completed	31/12/2021
96	Lathi	3.80	0.00%	Completed	31/12/2021
97	Keshod	13.30	0.00%	Completed	31/12/2021
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	Gandhinagar Sargasan	50	DPR Stage	31/12/2022
6	Bhavnagar Akwada	19.2	Work to be Awarded	31/12/2022
7	Jamnagar NrRangmati 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	Under Tender evaluation	31/12/2021
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	Under Tender evaluation	31/03/2022
18	Khambhat-2	4.50	Under Tender evaluation	31/03/2022
19	Anklav	3.60	Under Tender evaluation	31/03/2022
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
29	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
30	Wankaner	5.80	Tender tobe invited	31/03/2022
31	Chhaya	13.10	Under Tender evaluation	31/03/2022
32	Palitana	10.81	Under Tender evaluation	31/03/2022
33	Mandvi Surat	3.50	Under Tender evaluation	31/03/2022
34	Thangadh	9.00	Under Tender evaluation	31/03/2022
35	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
36	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
37	Vapi-2	29.53	DPR/DTP stage	31/03/2022
38	Babra	4.00	Tender tobe invited	31/12/2022
39	Kodinar	5.60	Tender tobe invited	31/12/2022
40	Sutrapada	4.00	Tender tobe invited	31/12/2022
41	Talala	3.80	Tender tobe invited	31/12/2022
42	Chorvad	3.70	Tender tobe invited	31/12/2022
43	Halol	11.60	Tender tobe invited	31/12/2022
44	Thasra	2.30	Tender tobe invited	31/12/2022
45	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
46	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
47	Jamraval	2.60	Tender tobe invited	31/12/2022
48	Dhrol	3.60	Tender tobe invited	31/12/2022
49	Kalavad	3.60	Tender Online	31/12/2022
50	Halvad	6.70	Under Tender evaluation	31/12/2022
51	Maliya	2.50	Tender tobe invited	31/12/2022
52	Kutiyana	2.90	Tender tobe invited	31/12/2022
53	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
54	Ranavav-2	4.50	Tender tobe invited	31/12/2022
55	Dhoraji	12.90	Tender tobe invited	31/12/2022
56	Bhayavadar	3.10	Tender tobe invited	31/12/2022
57	Manavadar	4.90	Under Tender evaluation	31/12/2022
58	Pethapur	3.80	Under Tender evaluation	31/12/2022
59	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
60	Umargam	6.48	Under Tender evaluation	31/12/2022
61	Dabhoi	8.96	Under Tender evaluation	31/12/2022

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

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 November-2020:

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
02-11-2020	Sahol Bridge	7.2	7.6	0.39	10	12	45

Annexure-II (B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River for November - 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 stretches – 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

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	620.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**643.68**	**250**	**790.4**

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 November – 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: 31
- No. of Non-complying STPs: 17
- Partially complying STPs: 5
- STPs under maintenance / modification: 2
- STPs not obtained CTE / CC&A of GPCB: 2
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 4
- Details of STPs not available: 3
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 23, ➢ Non complying: 11 *(as per CM dash board data for September-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 (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. 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 9th RRC meeting held on 27.11.2020.	
XXIII.	Status of Preparation of Action Plan by the 13 Coastal States:
Direct sea discharge of industrial effluent is not permitted in the State. Study in this regard is being carried out by NIO and sea discharge of industrial effluent is allowed at the designated point into the sea as mentioned by NIO in case the effluent is meeting with the discharge norms. STPs having 3485 MLD capacity are existing in the state against the total sewage generation of 4003 MLD. In order to stop untreated sewage discharge into the Sea and the river stretches, STPs of about 2624.78 MLD (under construction and proposed) are planned against the gap of 518 MLD in the state.	
XXIV.	Regulation of Mining Activities in the State/UT:
Mining activities are regulated through Gujarat Minor Mineral Concession Rules and model guidelines framed by the Ministry of Mines. Mining leases obtain Environmental Clearance from SEIAA Gujarat or MoEF&CC as the case may be as per the provisions of EIA Notification – 2006 as well as Consent to Establishment and Consent to Operate from Gujarat Pollution Control Board.	
XXV.	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring
• Number of notice of directions to defaulting units under section 31 A of Air Act – 1981: 16050 . • Number of closure directions to defaulting units under section 31 A of Air Act – 1981: 5703 respectively. • Number of notice of directions to defaulting units under section 33 A of Water Act – 1974: 17263. • Number of closure directions to defaulting units under section 33 A of Water Act – 1974: 11383. • Number of notice of directions under rule 4(2) of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 4130 • Number of closure directions under section 5 of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008: 1583 (As per Annual report – 2018-19)	

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

RRC meetings:

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

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

STPs:

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 (as on 19.12.20)
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	Not complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Not 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 Naroda AUDA	7	7	Operational	
13	Ahmedabad Rasala	1	1	Operational	Complying
14	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
15	Ahmedabad V S Hospital	1	1	Operational	Complying
16	Ahmedabad Nikol	0.5	0.5	Operational	
17	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
18	Ahmedabad Lambha	5	2	Operational	Not Complying
19	Surat Singanpore 2003/2014	155	147.58	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
20	Surat Karanj 1999/2015	140	136.59	Operational	Complying
21	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Complying
22	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
23	Surat Bamroli 2008/2019	100	77.9	Operational	Complying
24	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
25	Surat Khajod 2011	25	21.36	Operational	Complying
26	Surat Asarama 2011	15	19.23	Operational	Complying
27	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
28	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Complying
29	Surat Gavier 2016	53	5.37	Operational	Complying
30	Vadodara Tarsali	52	58	Operational	Not complying
31	Vadodara Gajarawadi	66	72	Operational	Partially complying
32	Vadodara Kapurai	43	50	Operational	Not complying
33	Vadodara Rajivnagar	78	32	Operational	Partially complying
34	Vadodara Sayaji garden	8.5	7	Operational	Under Modification
35	Vadodara Channi	21	25	Operational	Partially complying
36	Vadodara Atladara (old)	43	51	Operational	Partially complying
37	Vadodara Atladara (new)	43	54	Operational	Partially complying
38	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
39	Gandhinagar Sargasan 2012-13	10	3	Operational	Not complying
40	Gandhinagar Basan 2011-12	2	0.3	Operational	Not complying
41	Rajkot Nr Raiya village 2010	51	35	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
42	Rajkot Raiyadhar 2017	56	15	Operational	Not complying
43	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not complying
44	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying
45	Rajkot Gavaridad 2018	70	30	Operational	Complying
46	Rajkot Madhapar 2019	80	20	Operational	Not Complying
47	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not obtained CTE
48	Bhavnagar Behind Excel industries	45	40	Operational	Complying
49	Jamnagar Navagam Ghed	70	65	Operational	Complying
50	Gandhidham - Anjar	30.00	22	Operational	Complying
51	Patan	25.00	13	Operational	Complying
52	Nadiad	51.26	20	Operational	Not complying
53	Siddhpur	5.62	5	Operational	Oxidation pond
54	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
55	Sanand	20.50	0	Non -Operational Under trial run	
56	Himmatnagar	17.51	6	Operational	Complying
57	Petlad	10.37	8	Operational	Complying
58	Dholka	13.60	8	Operational	STP was found under maintenance during the last visit, before that STP was complying with the norms.
59	Savarkundla	13.90	5	Operational	Oxidation pond
60	Gadhda	6.50	2	Operational	Oxidation pond
61	Kathlal	3.80	2.59	Operational	Oxidation pond
62	Mahudha	2.10	1.76	Operational	Oxidation pond

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
63	Bayad	4.00	2.06	Operational	Oxidation pond
64	Patadi	2.80	1.33	Operational	Oxidation pond
65	Sojitra	2.30	2	Operational	Oxidation pond
66	Dwarka	7.50	2.28	Operational	Not obtained CTE & CC&A
67	Godhra	27.60	4	Operational	Complying
68	Bhuj	23.70	19	Operational	Not Complying
69	Bhachau	10	4	Operational	
70	Anand	33	9	At commissioning stage	
71	Anand	13.5	2.5	Just been commissioned and yet to be visited.	
72	Surendranagar	32.3	17	Operational	Under final stage of Trial. Not obtained CTE & CC&A of the GPCB.
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	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ahmedabad Vinzol	100	70%	Completed	30/06/2021
2	Ahmedabad Pirana	155	78%	Completed	31/03/2021
3	Ahmedabad Maleksaban	30	01%	Completed	31/12/2022
4	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022

5	Ahmedabad saijpur lake	07	01%	Completed	31/12/2022
6	Surat Bhesan	100	90%	Completed	31/03/2021
7	Surat Singanpore	100	82%	Completed	30/06/2021
8	Surat Bhatar	115	56%	Completed	31/07/2021
9	Surat Bamroli	115	34%	Completed	30/04/2021
10	Surat Asarma	22.5	11%	Completed	30/09/2021
11	Surat Khajod	30	06%	Completed	30/09/2021
12	Vadodara Kapurai	60	66%	70%	30/06/2021
13	Vadodara Chhani	50	15%	Completed	31/12/2021
14	Vadodara Bhayli	45	08%	Completed	28/02/2022
15	Vadodara Sayaji garden	7.5	30%	Completed	30/06/2021
16	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17	Bhavnagar Axcel Industries	50	20%	Completed	31/05/2022
18	Junagadh Bilkha Road, Near CBSE School	8.2	20%	Completed	31/03/2021
19	Rajula	5.70	0.00%	Completed	09/07/2021
20	Bagasara	5.90	5.00%	Completed	09/07/2021
21	Chalala	2.80	78.00%	Completed	12/04/2021
22	Mahuva	16.30	30.00%	Completed	21/01/2021
23	Talaja	5.80	21.00%	Completed	31/12/2020
24	Una	11.70	46.00%	Completed	25/02/2021
25	Bantva	2.60	66.00%	Completed	31/12/2020
26	Dehgam	7.60	75.00%	Completed	31/03/2021
27	Mansa	5.00	13.00%	Completed	30/04/2021
28	Tharad	4.80	95.00%	Completed	31/12/2020
29	Dhanera	4.00	17.00%	Completed	31/03/2022
30	Bhabhar	3.50	25.00%	Completed	31/12/2021

31	Thara	3.60	14.00%	Completed	31/12/2021
32	Kadi	12.80	8.00%	Completed	28/07/2021
33	Unjha	11.60	48.00%	Completed	22/05/2021
34	Visnagar-1	12.00	75.00%	Completed	04/04/2021
35	Visnagar-2	5.30	14.00%	Completed	04/04/2021
36	Kheralu	2.90	26.00%	Completed	27/06/2021
37	Vijapur	4.10	5.00%	Completed	27/06/2021
38	Radhanpur	6.00	1.00%	98%	31/03/2022
39	Idar	7.40	63.00%	Completed	31/12/2020
40	Khedbrahma	5.80	37.00%	Completed	31/12/2020
41	Prantij	3.70	26.00%	Completed	31/12/2020
42	Talod	3.60	0.00%	Completed	12/05/2021
43	Vadali	3.80	0.00%	Completed	12/05/2021
44	Jambusar	5.90	32.00%	Completed	30/09/2021
45	Amod	3.10	1.00%	Completed	30/09/2021
46	Billimora	8.30	0.00%	Completed	31/12/2021
47	Gandevi	2.60	5.00%	Completed	05/03/2021
48	Bardoli	11.30	60.00%	Completed	31/12/2020
49	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
50	Vyara	6.50	72.00%	Completed	31/12/2020
51	Dharampur	4.10	25.00%	Completed	30/09/2021
52	Borsad	9.80	60.00%	Completed	31/12/2020
53	Umreth	6.10	29.00%	Completed	30/06/2021
54	Dahod	13.70	95.00%	Completed	31/12/2020
55	Zalod	4.60	75.00%	Completed	31/12/2020
56	Devgadhbariya	3.80	66.00%	Completed	31/03/2021
57	Santrampur	2.91	5.00%	Completed	31/03/2021
58	Kalol (P)	4.77	5.00%	Completed	04/04/2021
59	Shehra	2.80	0.00%	Completed	04/05/2021
60	Chhotaudepur	5.00	79.00%	Completed	31/12/2020
61	Padra	5.60	40.00%	Completed	02/03/2021
62	Viramgam	4.50	18.00%	Completed	30/05/2021
63	Bavla	5.80	2.00%	Completed	31/12/2021
64	Dhandhuka	7.50	81.00%	Completed	28/02/2021
65	Bareja	3.10	40.00%	Completed	21/02/2021
66	Chaklasi	4.90	0.00%	Completed	31/03/2022
67	Kapadwanj	6.20	0.00%	Completed	30/06/2021
68	Mehmdabad	5.60	36.00%	Completed	30/06/2021
69	Dakor	4.90	0.00%	Completed	30/06/2021
70	Kheda	5.20	5.00%	Completed	30/06/2021
71	Chotila-1	2.30	0.00%	Completed	31/03/2021
72	Chotila-2	1.70	0.00%	Completed	31/03/2021
73	Wadhwan	12.10	0.00%	Completed	31/03/2022
74	Dhangadhra	11.60	83.00%	Completed	28/02/2021
75	Barwala	2.90	6.00%	Completed	09/07/2021
76	Jasdan	8.80	95.00%	Completed	31/12/2020
77	Harij	3.00	0.00%	Completed	15/05/2021

78	Chanasma	2.50	0.00%	Completed	15/05/2021
79	Ode	2.50	0.00%	Completed	09/09/2021
80	Karjan	5.20	0.00%	Completed	14/06/2021
81	Vadnagar	5.94	95.00%	Completed	31/12/2020
82	Botad	32.00	86.00%	Completed	11/12/2020
83	Morbi-2	9.30	84.00%	Completed	31/12/2020
84	Jetpur	23.50	83.00%	Completed	31/12/2020
85	Gondal	16.50	43.00%	Completed	31/03/2021
86	Amreli	18.20	71.00%	Completed	31/12/2020
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%	31/12/2020
91	Vapi-1	14.00	40.00%	Completed	31/12/2020
92	Anand-3	6.50	80.00%	Completed	31/12/2020
93	Porbandar-1	12.80	80.00%	Completed	31/12/2020
94	Porbandar-2	19.10	90.00%	Completed	31/12/2020
95	Damnagar	2.80	0.00%	Completed	31/12/2021
96	Lathi	3.80	0.00%	Completed	31/12/2021
97	Keshod	13.30	0.00%	Completed	31/12/2021
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	Gandhinagar Sargasan	50	DPR Stage	31/12/2022
6	Bhavnagar Akwada	19.2	Work to be Awarded	31/12/2022
7	Jamnagar NrRangmati 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	Under Tender evaluation	31/12/2021
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	Under Tender evaluation	31/03/2022
18	Khambhat-2	4.50	Under Tender evaluation	31/03/2022
19	Anklav	3.60	Under Tender evaluation	31/03/2022
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
29	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
30	Wankaner	5.80	Tender tobe invited	31/03/2022
31	Chhaya	13.10	Under Tender evaluation	31/03/2022
32	Palitana	10.81	Under Tender evaluation	31/03/2022
33	Mandvi Surat	3.50	Under Tender evaluation	31/03/2022
34	Thangadh	9.00	Under Tender evaluation	31/03/2022
35	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
36	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
37	Vapi-2	29.53	DPR/DTP stage	31/03/2022
38	Babra	4.00	Tender tobe invited	31/12/2022
39	Kodinar	5.60	Tender tobe invited	31/12/2022
40	Sutrapada	4.00	Tender tobe invited	31/12/2022
41	Talala	3.80	Tender tobe invited	31/12/2022
42	Chorvad	3.70	Tender tobe invited	31/12/2022
43	Halol	11.60	Tender tobe invited	31/12/2022
44	Thasra	2.30	Tender tobe invited	31/12/2022
45	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
46	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
47	Jamraval	2.60	Tender tobe invited	31/12/2022
48	Dhrol	3.60	Tender tobe invited	31/12/2022
49	Kalavad	3.60	Tender Online	31/12/2022
50	Halvad	6.70	Under Tender evaluation	31/12/2022
51	Maliya	2.50	Tender tobe invited	31/12/2022
52	Kutiyana	2.90	Tender tobe invited	31/12/2022
53	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
54	Ranavav-2	4.50	Tender tobe invited	31/12/2022
55	Dhoraji	12.90	Tender tobe invited	31/12/2022
56	Bhayavadar	3.10	Tender tobe invited	31/12/2022

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

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 November-2020:

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
02/11/2020	River Meshwo D/s at Shamlaji	7.11	7.60	0.87	7.0	6	63

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)**
02/11/2020	Borewell from Shamlaji Dharamshala	7.29	0.90	7.0	550

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

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	620.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**643.68**	**250**	**790.4**

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 November – 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: 31
- No. of Non-complying STPs: 17
- Partially complying STPs: 5
- STPs under maintenance / modification: 2
- STPs not obtained CTE / CC&A of GPCB: 2
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 4
- Details of STPs not available: 3
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 23, ➢ Non complying: 11 *(as per CM dash board data for September-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 (Shri T.C.Patel) has been deputed vide letter dated 10.06.2020 at Chief Secretary office to look after the Hon'ble NGT matters.	
XII.	Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:
All NGT matters are being reviewed regularly under chairmanship of Hon'ble CS.Total 2 review meetings are conducted so far under the chairmanship of Hon'ble CS to monitor the progress with reference to the action plans submitted w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 673/2018and to resolve various issues/non -compliances. Last meeting was convened on 10/09/2020 under the chairmanship of Hon'ble Chief Secretary Gujarat State. Two review meetings have been convened so far w.r.t the Hon'ble NGT order in the matter of O.A. No.:- 606/2018 which also includes the review of matters related to O.A. No.:-673/2018.	
XIII.	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;
Details are attached as **Annexure – II**	
XIV.	Ground water regulation:
GWRDC has given details about the recently framed draft bill titled "Conservation, Protection, Regulation and Management of Ground Water in Gujarat State" Final comments /suggestions were sought by GWRDC vide letter dated 02/11/2020 from concerned departments for finalization of the draft bill. Seven meetings of sub-committee have been convened so far for finalization of the draft bill. The final draft bill was approved by the sub-committee during the meeting held on 12/11/2020 as per the minutes of meeting. The final draft of the bill has been submitted to the Chairman of the Committee and Special Secretary, (WR), Narmada Water Resource, Water Supply & Kalpsar department, Govt. of Gujarat, for	

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

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

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

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

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

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

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

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

(As per Annual report – 2018-19)

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

RRC meetings:

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

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

STPs:

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.

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 (as on 19.12.20)
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	Not complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Not 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 Naroda AUDA	7	7	Operational	
13	Ahmedabad Rasala	1	1	Operational	Complying
14	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
15	Ahmedabad V S Hospital	1	1	Operational	Complying
16	Ahmedabad Nikol	0.5	0.5	Operational	
17	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
18	Ahmedabad Lambha	5	2	Operational	Not Complying
19	Surat Singanpore 2003/2014	155	147.58	Operational	Complying
20	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	1999/2015				
21	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Complying
22	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
23	Surat Bamroli 2008/2019	100	77.9	Operational	Complying
24	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
25	Surat Khajod 2011	25	21.36	Operational	Complying
26	Surat Asarama 2011	15	19.23	Operational	Complying
27	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
28	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Complying
29	Surat Gavier 2016	53	5.37	Operational	Complying
30	Vadodara Tarsali	52	58	Operational	Not complying
31	Vadodara Gajarawadi	66	72	Operational	Partially complying
32	Vadodara Kapurai	43	50	Operational	Not complying
33	Vadodara Rajivnagar	78	32	Operational	Partially complying
34	Vadodara Sayaji garden	8.5	7	Operational	Under Modification
35	Vadodara Channi	21	25	Operational	Partially complying
36	Vadodara Atladara (old)	43	51	Operational	Partially complying
37	Vadodara Atladara (new)	43	54	Operational	Partially complying
38	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
39	Gandhinagar Sargasan 2012-13	10	3	Operational	Not complying
40	Gandhinagar Basan 2011-12	2	0.3	Operational	Not complying
41	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
42	Rajkot	56	15	Operational	Not complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	Raiyadhar 2017				
43	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not complying
44	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying
45	Rajkot Gavaridad 2018	70	30	Operational	Complying
46	Rajkot Madhapar 2019	80	20	Operational	Not Complying
47	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not obtained CTE
48	Bhavnagar Behind Excel industries	45	40	Operational	Complying
49	Jamnagar Navagam Ghed	70	65	Operational	Complying
50	Gandhidham - Anjar	30.00	22	Operational	Complying
51	Patan	25.00	13	Operational	Complying
52	Nadiad	51.26	20	Operational	Not complying
53	Siddhpur	5.62	5	Operational	Oxidation pond
54	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
55	Sanand	20.50	0	Non -Operational Under trial run	
56	Himmatnagar	17.51	6	Operational	Complying
57	Petlad	10.37	8	Operational	Complying
58	Dholka	13.60	8	Operational	STP was found under maintenance during the last visit, before that STP was complying with the norms.
59	Savarkundla	13.90	5	Operational	Oxidation pond
60	Gadhda	6.50	2	Operational	Oxidation pond
61	Kathlal	3.80	2.59	Operational	Oxidation pond
62	Mahudha	2.10	1.76	Operational	Oxidation pond
63	Bayad	4.00	2.06	Operational	Oxidation pond

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
64	Patadi	2.80	1.33	Operational	Oxidation pond
65	Sojitra	2.30	2	Operational	Oxidation pond
66	Dwarka	7.50	2.28	Operational	Not obtained CTE & CC&A
67	Godhra	27.60	4	Operational	Complying
68	Bhuj	23.70	19	Operational	Not Complying
69	Bhachau	10	4	Operational	
70	Anand	33	9	At commissioning stage	
71	Anand	13.5	2.5	Just been commissioned and yet to be visited.	
72	Surendranagar	32.3	17	Operational	Under final stage of Trial. Not obtained CTE & CC&A of the GPCB.
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	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ahmedabad Vinzol	100	70%	Completed	30/06/2021
2	Ahmedabad Pirana	155	78%	Completed	31/03/2021
3	Ahmedabad Maleksaban	30	01%	Completed	31/12/2022
4	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5	Ahmedabad saijpur lake	07	01%	Completed	31/12/2022

6	Surat Bhesan	100	90%	Completed	31/03/2021
7	Surat Singanpore	100	82%	Completed	30/06/2021
8	Surat Bhatar	115	56%	Completed	31/07/2021
9	Surat Bamroli	115	34%	Completed	30/04/2021
10	Surat Asarma	22.5	11%	Completed	30/09/2021
11	Surat Khajod	30	06%	Completed	30/09/2021
12	Vadodara Kapurai	60	66%	70%	30/06/2021
13	Vadodara Chhani	50	15%	Completed	31/12/2021
14	Vadodara Bhayli	45	08%	Completed	28/02/2022
15	Vadodara Sayaji garden	7.5	30%	Completed	30/06/2021
16	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17	Bhavnagar Axcel Industries	50	20%	Completed	31/05/2022
18	Junagadh Bilkha Road, Near CBSE School	8.2	20%	Completed	31/03/2021
19	Rajula	5.70	0.00%	Completed	09/07/2021
20	Bagasara	5.90	5.00%	Completed	09/07/2021
21	Chalala	2.80	78.00%	Completed	12/04/2021
22	Mahuva	16.30	30.00%	Completed	21/01/2021
23	Talaja	5.80	21.00%	Completed	31/12/2020
24	Una	11.70	46.00%	Completed	25/02/2021
25	Bantva	2.60	66.00%	Completed	31/12/2020
26	Dehgam	7.60	75.00%	Completed	31/03/2021
27	Mansa	5.00	13.00%	Completed	30/04/2021
28	Tharad	4.80	95.00%	Completed	31/12/2020
29	Dhanera	4.00	17.00%	Completed	31/03/2022
30	Bhabhar	3.50	25.00%	Completed	31/12/2021
31	Thara	3.60	14.00%	Completed	31/12/2021
32	Kadi	12.80	8.00%	Completed	28/07/2021
33	Unjha	11.60	48.00%	Completed	22/05/2021

34	Visnagar-1	12.00	75.00%	Completed	04/04/2021
35	Visnagar-2	5.30	14.00%	Completed	04/04/2021
36	Kheralu	2.90	26.00%	Completed	27/06/2021
37	Vijapur	4.10	5.00%	Completed	27/06/2021
38	Radhanpur	6.00	1.00%	98%	31/03/2022
39	Idar	7.40	63.00%	Completed	31/12/2020
40	Khedbrahma	5.80	37.00%	Completed	31/12/2020
41	Prantij	3.70	26.00%	Completed	31/12/2020
42	Talod	3.60	0.00%	Completed	12/05/2021
43	Vadali	3.80	0.00%	Completed	12/05/2021
44	Jambusar	5.90	32.00%	Completed	30/09/2021
45	Amod	3.10	1.00%	Completed	30/09/2021
46	Billimora	8.30	0.00%	Completed	31/12/2021
47	Gandevi	2.60	5.00%	Completed	05/03/2021
48	Bardoli	11.30	60.00%	Completed	31/12/2020
49	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
50	Vyara	6.50	72.00%	Completed	31/12/2020
51	Dharampur	4.10	25.00%	Completed	30/09/2021
52	Borsad	9.80	60.00%	Completed	31/12/2020
53	Umreth	6.10	29.00%	Completed	30/06/2021
54	Dahod	13.70	95.00%	Completed	31/12/2020
55	Zalod	4.60	75.00%	Completed	31/12/2020
56	Devgadhbariya	3.80	66.00%	Completed	31/03/2021
57	Santrampur	2.91	5.00%	Completed	31/03/2021
58	Kalol (P)	4.77	5.00%	Completed	04/04/2021
59	Shehra	2.80	0.00%	Completed	04/05/2021
60	Chhotaudepur	5.00	79.00%	Completed	31/12/2020
61	Padra	5.60	40.00%	Completed	02/03/2021
62	Viramgam	4.50	18.00%	Completed	30/05/2021
63	Bavla	5.80	2.00%	Completed	31/12/2021
64	Dhandhuka	7.50	81.00%	Completed	28/02/2021
65	Bareja	3.10	40.00%	Completed	21/02/2021
66	Chaklasi	4.90	0.00%	Completed	31/03/2022
67	Kapadwanj	6.20	0.00%	Completed	30/06/2021
68	Mehmdabad	5.60	36.00%	Completed	30/06/2021
69	Dakor	4.90	0.00%	Completed	30/06/2021
70	Kheda	5.20	5.00%	Completed	30/06/2021
71	Chotila-1	2.30	0.00%	Completed	31/03/2021
72	Chotila-2	1.70	0.00%	Completed	31/03/2021
73	Wadhwan	12.10	0.00%	Completed	31/03/2022
74	Dhangadhra	11.60	83.00%	Completed	28/02/2021
75	Barwala	2.90	6.00%	Completed	09/07/2021
76	Jasdan	8.80	95.00%	Completed	31/12/2020
77	Harij	3.00	0.00%	Completed	15/05/2021
78	Chanasma	2.50	0.00%	Completed	15/05/2021
79	Ode	2.50	0.00%	Completed	09/09/2021
80	Karjan	5.20	0.00%	Completed	14/06/2021

81	Vadnagar	5.94	95.00%	Completed	31/12/2020
82	Botad	32.00	86.00%	Completed	11/12/2020
83	Morbi-2	9.30	84.00%	Completed	31/12/2020
84	Jetpur	23.50	83.00%	Completed	31/12/2020
85	Gondal	16.50	43.00%	Completed	31/03/2021
86	Amreli	18.20	71.00%	Completed	31/12/2020
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%	31/12/2020
91	Vapi-1	14.00	40.00%	Completed	31/12/2020
92	Anand-3	6.50	80.00%	Completed	31/12/2020
93	Porbandar-1	12.80	80.00%	Completed	31/12/2020
94	Porbandar-2	19.10	90.00%	Completed	31/12/2020
95	Damnagar	2.80	0.00%	Completed	31/12/2021
96	Lathi	3.80	0.00%	Completed	31/12/2021
97	Keshod	13.30	0.00%	Completed	31/12/2021
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	Gandhinagar Sargasan	50	DPR Stage	31/12/2022
6	Bhavnagar Akwada	19.2	Work to be Awarded	31/12/2022
7	Jamnagar NrRangmati 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	Under Tender evaluation	31/12/2021
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	Under Tender evaluation	31/03/2022
18	Khambhat-2	4.50	Under Tender evaluation	31/03/2022
19	Anklav	3.60	Under Tender evaluation	31/03/2022
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
29	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
30	Wankaner	5.80	Tender tobe invited	31/03/2022
31	Chhaya	13.10	Under Tender evaluation	31/03/2022
32	Palitana	10.81	Under Tender evaluation	31/03/2022
33	Mandvi Surat	3.50	Under Tender evaluation	31/03/2022
34	Thangadh	9.00	Under Tender evaluation	31/03/2022
35	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
36	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
37	Vapi-2	29.53	DPR/DTP stage	31/03/2022
38	Babra	4.00	Tender tobe invited	31/12/2022
39	Kodinar	5.60	Tender tobe invited	31/12/2022
40	Sutrapada	4.00	Tender tobe invited	31/12/2022
41	Talala	3.80	Tender tobe invited	31/12/2022
42	Chorvad	3.70	Tender tobe invited	31/12/2022
43	Halol	11.60	Tender tobe invited	31/12/2022
44	Thasra	2.30	Tender tobe invited	31/12/2022
45	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
46	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
47	Jamraval	2.60	Tender tobe invited	31/12/2022
48	Dhrol	3.60	Tender tobe invited	31/12/2022
49	Kalavad	3.60	Tender Online	31/12/2022
50	Halvad	6.70	Under Tender evaluation	31/12/2022
51	Maliya	2.50	Tender tobe invited	31/12/2022
52	Kutiyana	2.90	Tender tobe invited	31/12/2022
53	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
54	Ranavav-2	4.50	Tender tobe invited	31/12/2022
55	Dhoraji	12.90	Tender tobe invited	31/12/2022
56	Bhayavadar	3.10	Tender tobe invited	31/12/2022
57	Manavadar	4.90	Under Tender evaluation	31/12/2022
58	Pethapur	3.80	Under Tender evaluation	31/12/2022
59	Ankleshwar	14.00	Under Tender evaluation	31/12/2022

60	Umargam	6.48	Under Tender evaluation	31/12/2022
61	Dabhoi	8.96	Under Tender evaluation	31/12/2022
62	Sikka	2.90	Tender Online	31/12/2022
63	Valsad-2	15.00	DPR/DTP stage	31/03/2022
64	Mahesana-1	23.18	Tender Online	31/03/2022
65	Mahesana-2	18.46	Tender Online	31/03/2022
66	Jafrabad	5.4	DPR/DTP stage	31/12/2022
67	Gariyadhar	7.1	DPR/DTP stage	31/12/2022
68	Shihor	8.9	Tender tobe invited	31/12/2022
69	Mangrol	9.6	DPR/DTP stage	31/12/2022
70	Vanthli	2.2	DPR/DTP stage	31/12/2022
71	Modasa	12.0	DPR/DTP stage	31/12/2022
72	Tarsadi	5.8	DPR/DTP stage	31/12/2022
73	Songadh	4.5	Tender tobe invited	31/12/2022
74	Pardi	4.6	Tender tobe invited	31/12/2022
75	Karamsad	6.0	Tender tobe invited	31/12/2022
76	Limdi	7.4	DPR/DTP stage	31/12/2022
77	Bhachau	1.0	Tender tobe invited	31/12/2022
78	Rapar	5.2	Tender tobe invited	31/12/2022
79	Upleta	8.9	DPR/DTP stage	31/12/2022
80	Kadodara	-	DPR/DTP stage	31/12/2022
Total		918.44		

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 November-2020:

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
02-11-2020	River Mindhola	5.8	7.12	1.2	12	14	45

Annexure-II (B)

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

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	1800	17	6218	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 such notwaterlogging 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.XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/ River	Existing plantation / vegetation cover details	Proposed plan to cover remaining gap along river/river stretch	Time limit	Remarks
Mindhola (Along sachin)	1250 trees	0.05 lacs Plantation to be done in 2020-2021	2020-2021	As per AAP (Annexure A) for both side plantation on PRS during 2020-21.

Annexure – A

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

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	620.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**643.68**	**250**	**790.4**

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 November – 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: 31
- No. of Non-complying STPs: 17
- Partially complying STPs: 5
- STPs under maintenance / modification: 2
- STPs not obtained CTE / CC&A of GPCB: 2
- ULBs having Oxidation ponds: 9
- STPs just commissioned / under trial run: 4
- Details of STPs not available: 3
- Details of each existing STP in the State: Details are as per **Annexure-I(A)**
- Details of under construction STPs in the State: Details are as per **Annexure-I(B)**
- Details of proposed STPs in the State: Details are as per **Annexure-I(C)**

IV. Details of Industrial Pollution:

No. of industries in the State	44143 (as per xgn data of date-23/11/2020)
No. of water Polluting industries in the state:	12815 (Source: India E-Track Portal September-2020 data)
Quantity of effluent generated from the industries in MLD:	Details are being prepared.
Quantity of hazardous sludge generated from the industries in TPD:	5000 to 8000 TPD. (The Hazardous waste include Landfillable, Incinerable, Recyclable, Used in pre processing/ co-processing.
Number of industries having ETPs:	12700 (Source: India E-Track Portal September-2020 data)
Number of industrial units connected to CETPS:	**6385** (Source: Annual Report: 2019-20)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	➢ Existing ETPs-12700 (Source: India E-Track Portal September-2020 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-12551 (Source: India E-Track Portal September-2020 data)
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 34, Total Capacity: **755.259** (Source: Annual Report: 2019-20) ➢ Propose/Under construction: 16 , total capacity: 263.35 ➢ Under expansion: 3, Capacity: 45.5 *(as per India E-Track Portal September-2020 data)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 23, ➢ Non complying: 11 *(as per CM dash board data for September-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 (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. 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 9th RRC meeting held on 27.11.2020.	

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

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

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

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

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

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

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

(As per Annual report – 2018-19)

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

RRC meetings:

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

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

STPs:

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 (as on 19.12.20)
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	Not complying
5	Ahmedabad Vasna 2009	35	35	Operational	Complying
6	Ahmedabad Vasna 2011	240	235	Operational	Complying
7	Ahmedabad Vinzol 2011	70	70	Operational	Not 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 Naroda AUDA	7	7	Operational	
13	Ahmedabad Rasala	1	1	Operational	Complying
14	Ahmedabad Vastrapur Lake	0.5	0.5	Operational	Complying
15	Ahmedabad V S Hospital	1	1	Operational	Complying
16	Ahmedabad Nikol	0.5	0.5	Operational	
17	Ahmedabad Shahpur ShankarBhuvan 2020	25	20	Operational	Complying
18	Ahmedabad Lambha	5	2	Operational	Not Complying
19	Surat Singanpore 2003/2014	155	147.58	Operational	Complying
20	Surat Karanj	140	136.59	Operational	Complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	1999/2015				
21	Surat Bhatar 1999/2014/2017	162	165.25	Operational	Complying
22	Surat Anjana 1995/2007/2019	122	88.51	Operational	Complying
23	Surat Bamroli 2008/2019	100	77.9	Operational	Complying
24	Surat Bhesan 1995/2009	100	113.08	Operational	Complying
25	Surat Khajod 2011	25	21.36	Operational	Complying
26	Surat Asarama 2011	15	19.23	Operational	Complying
27	Surat Dindoli 2012/2019	167	33.39	Operational	Complying
28	Surat Variav-Kosad 2012/2017	134	119.64	Operational	Complying
29	Surat Gavier 2016	53	5.37	Operational	Complying
30	Vadodara Tarsali	52	58	Operational	Not complying
31	Vadodara Gajarawadi	66	72	Operational	Partially complying
32	Vadodara Kapurai	43	50	Operational	Not complying
33	Vadodara Rajivnagar	78	32	Operational	Partially complying
34	Vadodara Sayaji garden	8.5	7	Operational	Under Modification
35	Vadodara Channi	21	25	Operational	Partially complying
36	Vadodara Atladara (old)	43	51	Operational	Partially complying
37	Vadodara Atladara (new)	43	54	Operational	Partially complying
38	Gandhinagar Jaspur 2007	76	45	Operational	Not complying
39	Gandhinagar Sargasan 2012-13	10	3	Operational	Not complying
40	Gandhinagar Basan 2011-12	2	0.3	Operational	Not complying
41	Rajkot Nr Raiya village 2010	51	35	Operational	Complying
42	Rajkot	56	15	Operational	Not complying

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
	Raiyadhar 2017				
43	Rajkot Nr Madhapar 2018	44.5	15	Operational	Not complying
44	Rajkot Nr Kothariya Village 2017	15	5	Operational	Complying
45	Rajkot Gavaridad 2018	70	30	Operational	Complying
46	Rajkot Madhapar 2019	80	20	Operational	Not Complying
47	Bhavnagar Nari road, Kumbharwada	30	24	Operational	Not obtained CTE
48	Bhavnagar Behind Excel industries	45	40	Operational	Complying
49	Jamnagar Navagam Ghed	70	65	Operational	Complying
50	Gandhidham - Anjar	30.00	22	Operational	Complying
51	Patan	25.00	13	Operational	Complying
52	Nadiad	51.26	20	Operational	Not complying
53	Siddhpur	5.62	5	Operational	Oxidation pond
54	Vallabh Vidhyanagar	15.00	12	Operational	Oxidation pond
55	Sanand	20.50	0	Non -Operational Under trial run	
56	Himmatnagar	17.51	6	Operational	Complying
57	Petlad	10.37	8	Operational	Complying
58	Dholka	13.60	8	Operational	STP was found under maintenance during the last visit, before that STP was complying with the norms.
59	Savarkundla	13.90	5	Operational	Oxidation pond
60	Gadhda	6.50	2	Operational	Oxidation pond
61	Kathlal	3.80	2.59	Operational	Oxidation pond
62	Mahudha	2.10	1.76	Operational	Oxidation pond
63	Bayad	4.00	2.06	Operational	Oxidation pond

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP (as on 19.12.20)
64	Patadi	2.80	1.33	Operational	Oxidation pond
65	Sojitra	2.30	2	Operational	Oxidation pond
66	Dwarka	7.50	2.28	Operational	Not obtained CTE & CC&A
67	Godhra	27.60	4	Operational	Complying
68	Bhuj	23.70	19	Operational	Not Complying
69	Bhachau	10	4	Operational	
70	Anand	33	9	At commissioning stage	
71	Anand	13.5	2.5	Just been commissioned and yet to be visited.	
72	Surendranagar	32.3	17	Operational	Under final stage of Trial. Not obtained CTE & CC&A of the GPCB.
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	Physical Progress in %	Status of I&D or House sewer connections	Completion Timeline
1	Ahmedabad Vinzol	100	70%	Completed	30/06/2021
2	Ahmedabad Pirana	155	78%	Completed	31/03/2021
3	Ahmedabad Maleksaban	30	01%	Completed	31/12/2022
4	Ahmedabad Kotarpur	60	01%	Completed	30/09/2022
5	Ahmedabad saijpur lake	07	01%	Completed	31/12/2022

6	Surat Bhesan	100	90%	Completed	31/03/2021
7	Surat Singanpore	100	82%	Completed	30/06/2021
8	Surat Bhatar	115	56%	Completed	31/07/2021
9	Surat Bamroli	115	34%	Completed	30/04/2021
10	Surat Asarma	22.5	11%	Completed	30/09/2021
11	Surat Khajod	30	06%	Completed	30/09/2021
12	Vadodara Kapurai	60	66%	70%	30/06/2021
13	Vadodara Chhani	50	15%	Completed	31/12/2021
14	Vadodara Bhayli	45	08%	Completed	28/02/2022
15	Vadodara Sayaji garden	7.5	30%	Completed	30/06/2021
16	Rajkot Kothariya, on NH bypass	15	13%	Completed	31/03/2021
17	Bhavnagar Axcel Industries	50	20%	Completed	31/05/2022
18	Junagadh Bilkha Road, Near CBSE School	8.2	20%	Completed	31/03/2021
19	Rajula	5.70	0.00%	Completed	09/07/2021
20	Bagasara	5.90	5.00%	Completed	09/07/2021
21	Chalala	2.80	78.00%	Completed	12/04/2021
22	Mahuva	16.30	30.00%	Completed	21/01/2021
23	Talaja	5.80	21.00%	Completed	31/12/2020
24	Una	11.70	46.00%	Completed	25/02/2021
25	Bantva	2.60	66.00%	Completed	31/12/2020
26	Dehgam	7.60	75.00%	Completed	31/03/2021
27	Mansa	5.00	13.00%	Completed	30/04/2021
28	Tharad	4.80	95.00%	Completed	31/12/2020
29	Dhanera	4.00	17.00%	Completed	31/03/2022
30	Bhabhar	3.50	25.00%	Completed	31/12/2021
31	Thara	3.60	14.00%	Completed	31/12/2021
32	Kadi	12.80	8.00%	Completed	28/07/2021
33	Unjha	11.60	48.00%	Completed	22/05/2021

34	Visnagar-1	12.00	75.00%	Completed	04/04/2021
35	Visnagar-2	5.30	14.00%	Completed	04/04/2021
36	Kheralu	2.90	26.00%	Completed	27/06/2021
37	Vijapur	4.10	5.00%	Completed	27/06/2021
38	Radhanpur	6.00	1.00%	98%	31/03/2022
39	Idar	7.40	63.00%	Completed	31/12/2020
40	Khedbrahma	5.80	37.00%	Completed	31/12/2020
41	Prantij	3.70	26.00%	Completed	31/12/2020
42	Talod	3.60	0.00%	Completed	12/05/2021
43	Vadali	3.80	0.00%	Completed	12/05/2021
44	Jambusar	5.90	32.00%	Completed	30/09/2021
45	Amod	3.10	1.00%	Completed	30/09/2021
46	Billimora	8.30	0.00%	Completed	31/12/2021
47	Gandevi	2.60	5.00%	Completed	05/03/2021
48	Bardoli	11.30	60.00%	Completed	31/12/2020
49	KanakpurKansad	7.80	0.00%	Completed	31/03/2022
50	Vyara	6.50	72.00%	Completed	31/12/2020
51	Dharampur	4.10	25.00%	Completed	30/09/2021
52	Borsad	9.80	60.00%	Completed	31/12/2020
53	Umreth	6.10	29.00%	Completed	30/06/2021
54	Dahod	13.70	95.00%	Completed	31/12/2020
55	Zalod	4.60	75.00%	Completed	31/12/2020
56	Devgadhbariya	3.80	66.00%	Completed	31/03/2021
57	Santrampur	2.91	5.00%	Completed	31/03/2021
58	Kalol (P)	4.77	5.00%	Completed	04/04/2021
59	Shehra	2.80	0.00%	Completed	04/05/2021
60	Chhotaudepur	5.00	79.00%	Completed	31/12/2020
61	Padra	5.60	40.00%	Completed	02/03/2021
62	Viramgam	4.50	18.00%	Completed	30/05/2021
63	Bavla	5.80	2.00%	Completed	31/12/2021
64	Dhandhuka	7.50	81.00%	Completed	28/02/2021
65	Bareja	3.10	40.00%	Completed	21/02/2021
66	Chaklasi	4.90	0.00%	Completed	31/03/2022
67	Kapadwanj	6.20	0.00%	Completed	30/06/2021
68	Mehmdabad	5.60	36.00%	Completed	30/06/2021
69	Dakor	4.90	0.00%	Completed	30/06/2021
70	Kheda	5.20	5.00%	Completed	30/06/2021
71	Chotila-1	2.30	0.00%	Completed	31/03/2021
72	Chotila-2	1.70	0.00%	Completed	31/03/2021
73	Wadhwan	12.10	0.00%	Completed	31/03/2022
74	Dhangadhra	11.60	83.00%	Completed	28/02/2021
75	Barwala	2.90	6.00%	Completed	09/07/2021
76	Jasdan	8.80	95.00%	Completed	31/12/2020
77	Harij	3.00	0.00%	Completed	15/05/2021
78	Chanasma	2.50	0.00%	Completed	15/05/2021
79	Ode	2.50	0.00%	Completed	09/09/2021
80	Karjan	5.20	0.00%	Completed	14/06/2021

81	Vadnagar	5.94	95.00%	Completed	31/12/2020
82	Botad	32.00	86.00%	Completed	11/12/2020
83	Morbi-2	9.30	84.00%	Completed	31/12/2020
84	Jetpur	23.50	83.00%	Completed	31/12/2020
85	Gondal	16.50	43.00%	Completed	31/03/2021
86	Amreli	18.20	71.00%	Completed	31/12/2020
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%	31/12/2020
91	Vapi-1	14.00	40.00%	Completed	31/12/2020
92	Anand-3	6.50	80.00%	Completed	31/12/2020
93	Porbandar-1	12.80	80.00%	Completed	31/12/2020
94	Porbandar-2	19.10	90.00%	Completed	31/12/2020
95	Damnagar	2.80	0.00%	Completed	31/12/2021
96	Lathi	3.80	0.00%	Completed	31/12/2021
97	Keshod	13.30	0.00%	Completed	31/12/2021
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	Gandhinagar Sargasan	50	DPR Stage	31/12/2022
6	Bhavnagar Akwada	19.2	Work to be Awarded	31/12/2022
7	Jamnagar NrRangmati 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	Under Tender evaluation	31/12/2021
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	Under Tender evaluation	31/03/2022
18	Khambhat-2	4.50	Under Tender evaluation	31/03/2022
19	Anklav	3.60	Under Tender evaluation	31/03/2022
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
29	Jamjodhpur	3.60	Under Tender evaluation	31/03/2022
30	Wankaner	5.80	Tender tobe invited	31/03/2022
31	Chhaya	13.10	Under Tender evaluation	31/03/2022
32	Palitana	10.81	Under Tender evaluation	31/03/2022
33	Mandvi Surat	3.50	Under Tender evaluation	31/03/2022
34	Thangadh	9.00	Under Tender evaluation	31/03/2022
35	Vijalpor - Navsari	47.00	Under Tender evaluation	31/03/2022
36	Veraval- Patan	33.90	Tender tobe invited	31/03/2022
37	Vapi-2	29.53	DPR/DTP stage	31/03/2022
38	Babra	4.00	Tender tobe invited	31/12/2022
39	Kodinar	5.60	Tender tobe invited	31/12/2022
40	Sutrapada	4.00	Tender tobe invited	31/12/2022
41	Talala	3.80	Tender tobe invited	31/12/2022
42	Chorvad	3.70	Tender tobe invited	31/12/2022
43	Halol	11.60	Tender tobe invited	31/12/2022
44	Thasra	2.30	Tender tobe invited	31/12/2022
45	Mandvi-2 (Salaya)	3.20	Tender tobe invited	31/12/2022
46	Mandvi-1 (JT Grounds)	5.30	Tender tobe invited	31/12/2022
47	Jamraval	2.60	Tender tobe invited	31/12/2022
48	Dhrol	3.60	Tender tobe invited	31/12/2022
49	Kalavad	3.60	Tender Online	31/12/2022
50	Halvad	6.70	Under Tender evaluation	31/12/2022
51	Maliya	2.50	Tender tobe invited	31/12/2022
52	Kutiyana	2.90	Tender tobe invited	31/12/2022
53	Ranavav-1 (Adityana)	3.00	Tender tobe invited	31/12/2022
54	Ranavav-2	4.50	Tender tobe invited	31/12/2022
55	Dhoraji	12.90	Tender tobe invited	31/12/2022
56	Bhayavadar	3.10	Tender tobe invited	31/12/2022
57	Manavadar	4.90	Under Tender evaluation	31/12/2022
58	Pethapur	3.80	Under Tender evaluation	31/12/2022
59	Ankleshwar	14.00	Under Tender evaluation	31/12/2022
60	Umargam	6.48	Under Tender evaluation	31/12/2022
61	Dabhoi	8.96	Under Tender evaluation	31/12/2022

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

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 November-2020:

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)
November -20	NTPC Zanor	7.35	8.36	0.88	11	21	70
	Zadeshwar	7.12	7.47	0.95	12	79	210
	Garudeshwar	8.08	8.15	0.96	5	13	47

Annexure-III

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

Sr.No	River name	Details/Status
1	Narmada	1. Environmental flow: • 600 cusecs • Garudeshwar weir (Ungated) is 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.XIX given by Forest Dept. /PCCF/ACCF/Concerned as on date

Stretch/ River	Existing plantation / vegetation cover details	Proposed plan to cover remaining gap along river/river stretch	Time limit	Remarks
Narmada River South side (Asha to mulad village) 56.44 Km	12500 trees	0.10 lakh plants	2020-21	As per AAP (Annexure A) for both side plantation on PRS during 2020-21.

Annexure – A

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

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	620.68	243.50	752.3
Municipalities	23	6.5	38.1
Total	**643.68**	**250**	**790.4**