Monthly Progress Report of Polluted River Stretches

October - 2024

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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
October – 2024

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): 4414 MLD

III. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): 73 nos, 3485 MLD
  [131 under construction STPs are complete and are now under trial /operational i.e additional 2386.85 MLD] (Total: 204 Nos., 5871.85 MLD)
- Capacity Utilization of existing STPs: 2739 MLD
  [Additional utilization capacity as on October 2024 – 1261.93 MLD from existing STPs] (Total: 4000.93 MLD)
- MLD of sewage being treated through Alternate technology: -
- Gap in Treatment Capacity in MLD: 518 MLD
  [**0.0 MLD - Gap** considering 5871.85 MLD treatment capacity as per Annexure 1A i.e total capacity of existing.]
- No. of Operational STPs: 73 [189 as on October 2024]
- No of Non Operational STPs : 02
- No. of Complying STPs: 124
- No. of Non-complying STPs: 65
- STPs newly commissioned / under trial run: 13
- 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	53630 (as per xgn data of date-August-2024)
No. of water Polluting industries in the state:	14522 (Source: India E-Track Portal May-24 data)
Quantity of effluent generated from the industries in MLD:	-
Quantity of hazardous sludge generated from the industries in TPD:	Average Quantity of Hazardous waste reaching the TSDFs and Treated (related to State) as per Annual inventory 2022 – 2023: • TSDFs : 1.51 MMT • Incineration : 0.11 MMT • Recycling: 1.73 MMT, • Co-processing : 1.22 MMT and • Preprocessing: 0.38 MMT.
Number of industries having ETPs:	14068 (Source: India E-Track Portal May-24 data)
Number of industrial units connected to CETPS:	**6616** (Source: Annual report:2023-2024)
Number and total capacity of ETPs (details of existing/ under construction / proposed)	Existing ETPs-14068 (Source: India E-Track Portal May-24 data) Capacity not available
Compliance status of the ETPs:	➢ No of ETP complying with Norms-13886
Number and total capacity of CETPs (details of existing/under construction/proposed):	➢ Existing CETPs : 43, Total Capacity: **888.715 MLD** ➢ Propose/Under construction: 16 , total capacity: 344.95 ➢ Under expansion: 16, Capacity: 273.82 *(as per annual report : 2023-24)
Status of compliance and operation of CETPs:	➢ Complying CETPs: 42, *(as per last 03 months average of results) Action taken to 01 Non-complying CETP: SCN

Town	No. of industries	Industrial discharge	Status of ETPs	Status of CETPs (existing, under construction & proposed)
Gujarat	53630	-	Out of 14522 water polluting industries 14068 industries having ETPs. 13886 ETPs are complying with norms.	Existing CETPs : 43 Propose/Under construction/under expansion: 32

V. Solid Waste Management: (As per 9th ATR submitted on 21/12/2021)

Particulars	Data
Total number of Urban Local Bodies and their population	165
Current municipal solid waste generation	9862 MT/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. 183 of Composting Plants (Vermi / Aerobic/ anaerobic Composting) of installed processing capacity 4443TPD. • There are 186 plants Material Recovery Facilities (MRF) with processing capacity of 4210 TPD installed capacity. • There are 7 plants of RDF with processing of 3020 TPD. • Biogas 32 plants with capacity of 131.7 TPD.
Action plan to bridge gap between installed capacity and current utilization of processing facilities (if gap > 20%)	Under SBMU 2.0 Composting Plant Capacity – 5210 MT and Dry Waste Plant Capacity – 5477 MT are approved.DPR prepared and Tendering work are ongoing of all projects.
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)	There are 3 Processing plants C & D Waste with processing capacity of 1350 TPD.
Total no. of wards: no. of wards having door to door collection service: no. of wards practicing segregation at source falling into PRS:	1387 1387 910
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	1 Waste to Energy plants having total capacity 450 TPD (Working). (6 Plants – 5100 Capacity UC)
No. and area (in acres) of uncontrolled garbage dumpsites and sanitary landfills.	87 Dumpsite cleared out of 165. Total 235.98 Lakh MT legacy waste cleared.
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 Out of total 10 Nagarpalikas requiring in-situ remediation, STPs in 5 Nagarpalikas are already operational. STPs in remaining 5 Nagarpalikas will be commissioned before September – 2022 and are directed to start in-situ remediation of drains till the STPs are being commissioned. Surat Municipal Corporation has got the DPR Approved from National River Conservation Directorate (NRCD) for the"Pollution

	Abatement and Conservation of River Tapi Project" (Tapi Shudhhikaran Project) and the work has been started accordingly. During the course of time, several outlets have been identified and the same are planned to get under bioremediation work till the Sewage Treatment Plants are operational. SardarVallabhbhai National Institute ofTechnology (SVNIT) has been appointed as consultant for the same & Expression of Interest (EOI) were asked. The short listing of EOI has been finalized and the financial proposal has been invited from the short listed companies recently. Total 18 locations with approximately 130 MLD total flow have been covered under this work.

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
165	10317	8112	12,254.7	8112	July - 2024

Ministry of Housing and Urban Affairs has approved City Solid Waste Action Plan (CSWAP) prepared by the state and phase wise grant will be issued by the Government of India. Work related to small gap in solid waste processing facility will be completed on priority under the CSWAP.

VI. Bio-medical Waste Management:

- Total Bio-medical waste generation(Related to entire State): 47.84 MT/day

  Total Bio-medical waste generation (Related to PRS): 30.92 MT/day
- No. of Hospitals and Health Care Facilities(Related to entire State): 35804
- No. of Hospitals and Health Care Facilities (Related to PRS): 28399
- Status of Treatment Facility/ CBMWTF(Related to entire State)

  : Existing – 21

  Capacity – 112 MT/day

  Status of Treatment Facility/ CBMWTF (Related to PRS): Existing – 10

  Capacity – 70.280 MT/day

VII. Hazardous Waste Management:

- **Total Hazardous Waste generation:** 6.32 MMT of landfillable, incinerable, recyclable, co-processable and pre-processable hazardous waste has been generated as per annual inventory 2022-23.
- **No. of Industries generating Hazardous waste:** About 23,057 hazardous wasteGenerating units in the Gujarat state as per annual inventory 2022-23.

- **Remaining Capacity of all TSDFs:** Total remaining capacity about 24.339 MMT (considering quantity granted in EC) as per annual inventory 2022-23.
- **Average Quantity of Hazardous waste reaching the TSDFs and Treated (related to State) as per Annual inventory 2022 – 2023:**
    - TSDFs : 1.51 MMT
    - Incineration : 0.11 MMT
    - Recycling: 1.73 MMT,
    - Co-processing : 1.22 MMT and
    - Preprocessing: 0.38 MMT.
- **Details of on-going or proposed TSDF:** 9 nos. of proposed TSDF with 17.11 MMT Capacity as per annual report 2023-24.
- **Note: As the hazardous waste is being treated in the treatment facilities of the state and/or utilized irrespective of the districts where the hazardous waste is being generated and hence providing details of hazardous waste management separately for the are along the polluted river stretches is not possible.**

(*MMT= Million Metric Tonne)

VIII. `Plastic Waste Management:

- Total Plastic Waste generation: 319992.34TPA (April 2022-March 2023)
- Treatment/ Measures adopted for reduction or management of plastic waste:

Disposal of Plastic Waste through	Co-processing	84267.53MT (from April 2022 to March 2023)
	Recycler	Total no. recycling units: 633 Capacity of recycling plastic waste: @13,00,000 MT/A
	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
	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. Out of total 10 Nagarpalikas requiring in-situ remediation, STPs in 5 Nagarpalikas are already operational. STPs in remaining 5 Nagarpalikas will be commissioned before September – 2022 and are directed to start in-situ remediation of drains till the STPs are being commissioned.	
XI.	Details of Nodal Officer appointed by Chief Secretary in the State/UT:
In compliance to the direction of Hon'ble NGT with reference to set up of Monitoring Mechanism, Deputy Environmental Engineer (ShriT.C.Patel) has been deputed vide letter dated 10.06.2020 at Chief Secretary office to look after the Hon'ble NGT matters.	
XII.	Details of meetings carried under the Chairmanship of Chief 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. **Three 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:
Draft Bill as approved by the committee in March 2021 constituted by Government of Gujarat was presented to the committee chaired by the Chief Secretary, Gov. of Gujarat on dated 29/12/2022. As per deliberation in meeting, it was suggested to reframe the bill as per the Ground Water Modell Bill, 2016 circulated by Ministry of jal Shakti, (Department of Water Resources, River Development and Ganga Rejuvenation) Gov. of India. Accordingly. Gujarat Ground Water Bill, 2023 was drafted presented before the committee on dated 24/04/2023. Now it is under consideration for finalized of draft act.	

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. Details of actions taken are attached as **Annxeure – VI**	
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.

As on February 2022, STPs having 4340.56 MLD capacity are operational in the state against the total sewage generation of 4003 MLD i.e additional treatment capacity of 337.56 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) were planned against the gap of 518 MLD in the state and as on February – 2022 work of STPs with 855.56 MLD is completed.

The matter was discussed in detail during the 11th RRC meeting held on 15/09/2022. Work order for preparation of Action plan for the coastal & marine pollution is given to GEMI on 24/05/2022. Further the details sought by GEMI were furnished on 01/08/2022. The first draft report of "Action plan for management of the costal and marine pollution" is received from GEMI (Gujarat Environment Management Institute) shortly and based on that the final action plan for management of the costal and marine pollution may be completed.

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

- Total number of notice of directions to defaulting units under section 31 A of Air Act – 1981 (up to 31/03/2022): 17906.
- Total number of closure directions to defaulting units under section 31 A of Air Act – 1981 (up to 31/03/2022): 6403.
- Total number of notice of directions to defaulting units under section 33 A of Water Act – 1974 (up to 31/03/2022): 20074.
- Total number of closure directions to defaulting units under section 33 A of Water Act – 1974 (up to 31/03/2022): 12998.
- Total number of notice of directions under rule 4(2) of the EPAct – 1986 read with

Hazardous Waste (Management, Handling & Transboundary) Rules – 2008 (up to 31/03/2022): 4434

- Total number of closure directions under section 5 of the EPAct – 1986 read with Hazardous Waste (Management, Handling & Transboundary) Rules – 2008 (up to 31/03/2021): 1823

(As per Annual report – 2021-2022)

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

RRC meetings:

RRC meetings are held at GPCB, Gandhinagar to review the progress and the minutes of the meeting having progress status, is regularly submitted to CPCB. Last RRC (11th RRC) meeting was conducted on 15/09/2022. Following are the major concluding remarks during the meeting addressing the concerned departments & agencies:

- Urban Development & Urban Housing Department through Gujarat Urban Development Mission & Swachh Bharat Mission to ensure treatment of 100% sewage generated in the State, adequate drainage network for receiving sewage at STPs and remediation / process of legacy waste in the State
- Urban Development & Urban Housing Department through Gujarat Urban Development Mission to take up the matter with concerned local bodies for obtaining CTE & CCA of GPCB for existing operational STPs & for installation of OCEMS in the existing operational STPs.
- Urban Development & Urban Housing Department through Gujarat Urban Development Mission to identify the issues, whether the STPs are non-complying due to technical faults or due to improper O&M.
- Urban Development & Urban Housing Department and Panchayat Rural Housing & Rural Development Department to avail the necessary funds for the schemes under Tapi Shudhdhikaran project.
- Gujarat Pollution Control Board thorugh Gujarat Environment Management Institute to prepare & submit action plan for management of coastal/ marine pollution.
- GPCB through all the Regional Offices to take follow up with the concerned local bodies for obtaining CTE & CCA of GPCB for existing operational STPs & to ensure the installation of OCEMS in the existing operational STPs.
- GPCB to take necessary actions against the non complying CETPs, ETPs & STPs.
- Gandhinagar Municipal Corporation & Ahmedabad Municipal Corporation to submit action taken report with regard to rejuvenation of model river Sabarmati.
- Industries Commissioner Office to expedite the deep sea disposal project.

Current status of the projects proposed under action plans of Polluted River Stretches: (*From total proposed 99 STPs related to PRS, work of 18 STPs (including existing STP of Gavie) is completed so far.*)

STPs:

Sr. No.	PRS	Proposed STP details	Status	Timeline details 1. Given in RAP 2. Revised	Amount of Bank Guarantee submitted (Rs. In crores) & Organization details	Remarks
1.	**Amravati (Priority - IV)**	• A meeting was held on 13/01/2021 under the chairmanship of ACS PRH&RDD for management of sewage, from villages being discharged in to the 6 PRS. During the meeting, looking to the magnitude & importance of the work, it was decided to seek the extension of time limit for further 3 years. • Work for management of sewage from villages related to PRS has been assigned to Gujarat Water Supply and Sewerage Board (GWSSB) as per the decision taken during the meeting held on 01/02/2021 under the chairmanship of Chief Secretary, Gujarat. • At present DPR under preparation. Work for STPs will be started by GWSSB after receiving land possession. • Details of STPs proposed are mentioned in **Table – 2** below:		1. Not mentioned in RAP	2.02 Cr. & Panchayat Rural Housing & Rural Development Department (Development Commissioner-Smart Village Society Gandhinagar of Gujarat State.)	

2.	**Amalakhadi (Priority - I)**	14 MLD STP (Ankleshwar Nagar Palika)	• Land is available. 78% work completed.	1. March 2021 2. 31/07/2024	8.9 Cr. Gujarat Urban Development Mission	
			• For management of sewage from villages along the PRS, **details are same as mentioned in PRS Amravati hereinabove**. • Details of STPs proposed are mentioned in **Table – 2** below:	1. Not mentioned in RAP	*2.02 & Panchayat Rural Housing & Rural Development Department (Development Commissioner-Smart Village Society Gandhinagar of Gujarat State.)	
3.	**Anas (Priority - V)**	13.70 MLD of STP (Dahod Nagarpalika):	Operational.	1. March 2021 2. --	* 8.9 & Gujarat Urban Development Mission	
		4.60 MLD of STP (Zalod Nagarpalika)	Operational.	1. March 2021 2. --		
4.	**Baleshwar Khadi (Priority - V)**	For management of sewage from villages along the PRS, **details are same as mentioned in PRS Amravati hereinabove**. Details of STPs proposed are mentioned in **Table – 2** below:		1. Not mentioned in RAP	*2.02 & Panchayat Rural Housing & Rural Development Department (Development Commissioner-Smart Village Society Gandhinagar of Gujarat State.)	
5.	**Bhadar**	STP Jetpur–	Operational.	1. March 2021	* 8.9 &	

	(Priority - I)	Navagadh Nagarpalika (23.5 MLD):		2. --	Gujarat Urban Development Mission	
6.	**Bhogavo (Priority - I)**	Surendranagar (32.3 MLD STP)	Operational	1. October 2019 2. --	* 8.9 & Gujarat Urban Development Mission	
		Wadhwan 12.1 MLD STP	Estimates are under preparation for rising main work for conveying sewage of Wadhwan area to Surendranagar STP: DPR under preparation	1. March 2021 2. 31/3/2022		
7.	**Damanganga (Priority - IV)**	Vapi Namdha (14 MLD)	Operational	1. February 2020 2. 30/09/2022	* 8.9 & Gujarat Urban Development Mission	
		Vapi Chandor (22 MLD) – Vapi 2	78% Completed.	1. March 2021 2. 30/10/2024		
		Vapi Notified Area Authority 10 (5+5) MLD	DPR is approved by Head Office and submitted to I.C office for approval under A.I.I. scheme.	1. 2020 2. December 2022	0.23 & Vapi Notified Area Authority	
8.	**Dhadhar (Priority - III)**	Kapurai (new) (60 MLD) (STP + Network)	Operational	1. December 2020 2. --	* 8.9 & Gujarat Urban Development Mission	
		Sayaji garden (16 MLD)	Operational.	1. March 2021 2. 28/02/2022		
		Channi (new) (50 MLD) (STP + Network)	Operational.	1. December 2021 2. 30/06/2022		
		Atladara (new)	85% completed.	1. December 2022		

		(84 MLD)*		2. 31/05/2024		
		Tarsali/GIDC (new) (100 MLD) (STP + Network)*	91% completed.	1. December 2023 2. 31/09/2024		
		Karjan Nagarpalika 5.2 MLD	Operational.	1. December 2023 2. 15/06/2022		
		For management of sewage from villages along the PRS, **details are same as mentioned in PRS Amravati hereinabove**. Details of STPs proposed are mentioned in **Table – 2** below:		1. Not mentioned in RAP	*2.02 & Panchayat Rural Housing & Rural Development Department (Development Commissioner-Smart Village Society Gandhinagar of Gujarat State.)	
9.	**Khari** **(Priority - I)**	Vinzol (35 mld) AMC	Operational.	1. July 2019 2. --	* 8.9 & Gujarat Urban Development Mission	
		Vinzol (100 mld) AMC	Operational.	1.December 2019 2.---		
10.	**Kim** **(Priority - V)**	For management of sewage from villages along the PRS, **details are same as mentioned in PRS Amravati hereinabove**. Details of STPs proposed are mentioned in **Table – 2** below:		1. Not mentioned in RAP	*2.02 & Panchayat Rural Housing & Rural Development Department (Development Commissioner-Smart Village Society	

					Gandhinagar of Gujarat State.)	
11.	**Kolak (Priority - IV)**	10 MLD STP by Vapi Notified Area Authority (For PRS Kolak)	DPR is approved by Head Office and submitted to I.C office for approval under A.I.I. scheme.	1. May 2020 2. March 2022	*0.23 & Vapi Notified Area Authority	
		For management of sewage from villages along the PRS, **details are same as mentioned in PRS Amravati hereinabove**. Details of STPs proposed are mentioned in **Table – 2** below:		1. Not mentioned in RAP	*2.02 & Panchayat Rural Housing & Rural Development Department (Development Commissioner-Smart Village Society Gandhinagar of Gujarat State.)	
12.	**Mahi (Priority - IV)**	---	---			
13.	**Meshwo (Priority - V)**	---	---			
14.	**Mindhola (Priority - V)**	STP of 4 MLD (2+2 MLD) proposed by Sachin Notified Area Authority	Proposal is submitted and presented before Industries Commissioner (IC) for providing finance. IC office vides email dated 11/08/2021 informed to take this project in Common Environmental Infrastructure Facility Scheme (CEIF) of GoG for availing financial	1. May 2020 2. December 2022	0.75 & Sachin Notified Area Authority	Delayed due to COVID-19 pandemic, technical feasibility of the project, availability of land & finance, technical assessment of underground pipeline network.

			assistance.			
15.	**Narmada (Priority - V)**	---	---			
16.	**Sabarmati (Priority - I)**	Pirana 155 MLD STP	Operational.	1. March 2020 2. ---	* 8.9 & Gujarat Urban Development Mission	
		STP of Shankar Bhuvan 25 MLD	Operational.	1. March 2020 2. ---		
		STP at Dafnala 25 MLD	90% completed.	1. March 2021 2. 30/04/2024		
		STP at Kotarpur 60 MLD	Operational.	1. March 2021 2. -		
		STP at Koteshwar 60 MLD	Tender to be invited ; Land possession issue	1. --- 2.31/12/2022 3.31/12/2023	---	Newly proposed STP which was not included in the River Action Plan
		Pethapur STP (15 MLD – tentative)	DTP under approval.	1.--- 2.31/12/2022 3.31/12/2023	---	Newly proposed STP which was not included in the River Action Plan
17.	**Shedhi (Priority - IV)**	Kheda STP (5.2 MLD)	Completed & Operational.	1. March 2021 2. 15/06/2022	* 8.9 & Gujarat Urban Development Mission	
		To Channel untreated sewage into STP (Nadiad-51.26 MLD)	Operational	1.July 2020 2.December 2021		
18.	**Tapi (Priority - IV)**		Land issues in 30 STPs have been sorted out from the total 52 STPs of Tapi Shuddhikaran. Details of	As per Table - 1	* 8.9 & Gujarat Urban Development Mission	

			STPs under Tapi Shuddhikaran is as per **Table-1**			
19.	**Triveni (Priority-III)**	---	---		0.75 & Somnath Trust. **(Details as per Table – 2)**	
20.	**Vishwamitri (Priority - II)**	Kapurai (new) (60 MLD) (STP + Network)	Operational	1. December 2020 2. --	* 8.9 & Gujarat Urban Development Mission	
		Sayaji garden (16 MLD)	Operational.	1. March 2021 2. 28/02/2022		
		Channi (new) (50 MLD) (STP + Network)	Operational.	1. December 2021 2. 30/06/2022		
		Atladara (new) (84 MLD)*	Operational.	1. Dec 2022		
		Tarsali/GIDC (new) (100 MLD) (STP +Network)*	91% completed.	1. 31/12/2023 2. 31/09/2024		

Table-1 (For PRS Tapi)

Sr. No.	STP name & capacity	Current Status	Timeline details 1. Given in RAP 2. Revised	Remarks (land availability / status of land/other issue)
1.	Bhesan STP Augmentation (100 mld) SMC (Total capacity 200MLD)	Operational	--	--
2.	Singanpore STP Upgradation & expansion(100 mld) SMC(Total capacity 255MLD)	Operational	--	--
3.	Bhatar STP Augmentation (115 mld) SMC(Total capacity 277MLD)	Operational	--	--
4.	Gavier (53 MLD) – Expansion completed	Operational		
5.	Kamrej- Valak creek (43.24 mld) SUDA	Operational	--	--
6.	Kamrej- Varachha Creek (51.72 mld) SUDA	Work 100% Completed	1. February 2022 2. January-2024	Private land issue for FP allotment in TP scheme by SUDA. Only Work For Raw Sewage Intake line @ app. 50 mt. pending due to land possession issue
7.	Bharthana SPS 1 at TPS-83 (22.7 mld) SUDA	Operational	1. February – 2022 2. January-2024	
8.	Kamrej-50.09 MLD, SUDA (Kamrej 1 18.5MLD+ Kolvad (Vav- 1) 16.09 mld+ 15.5 mld for future)	Operational	1. February – 2022 2. January-2024	
9.	Kamrej- Dungra (0.52 mld) SUDA	Operational	1. February – 2022 2. January-2024	

10.	Kamrej-Dhoran Pardi – 13.18MLD, SUDA (Dhoran Pardi-2 12.5 mld +Dhoran Creek 1.18 mld)	Under Trial Run	1. February – 2022 2. March-2024		
11.	Kamrej – Kolibharthana (4.3 mld) SUDA	Operational	1. February – 2022 2. January-2024		
12.	Kamrej- Pasodara – 10. 02mld(SUDA) (Pasodara 4.45 mld + Laskana 5.57 mld	Operational	1. February – 2022 2. January-2024		
13.	Kamrej- Karjan (0.76 mld) SUDA	Operational	1. February – 2022 2. January-2024		
14.	Kamrej- Kholeshwar (0.33 mld) SUDA	Under Trail Run	1. February – 2022 2. February-2024		
15.	Kamrej- Kathor (16 mld) SUDA	Operational	1. February – 2022 2. January-2024		
	Cluster-1				Operational
16.	Kamrej- Timba (0.75 MLD)	Operational			
17.	Kamrej- Sevni (5.18 MLD)				
18.	Kamrej- JatBharthana (0.17 MLD)				
19.	Kamrej- Maachi (0.16 MLD)				
20.	Kamrej- Dhatva (0.34 MLD)				
	Cluster-2				
21.	Kamrej- Ghala (1.39 MLD)	Operational			

22.	Mandvi- Bodhan Village (1.3 MLD)			
23.	Mandvi- Khanjroli (0.29 MLD)			
	Cluster-3			
24.	Bardoli- Vaghecha (0.28 MLD)	Operational		
25.	Bardoli- Bhamaiya (0.17 MLD)			
26.	Bardoli- Mori (0.15 MLD)			
27.	Mandvi- Tarsada(0.82 MLD)			
	Cluster-4			
28.	Mandvi- Punagam + Unn Kosadi (0.65 MLD)	Operational		
29.	Mandvi- Gamtalav Bujrang + Uskhed Khurd (0.45 MLD)			
30.	Mandvi STP(3.5 MLD)			
	Creek regions			
	Cluster-5			
31.	Mandvi-Koliwad (0.23 MLD)	Technical Sanction given in 165th TSC Committee of GWSSB. Tender to be invited after obtaining Revised Administrative Approval 0% Completed * As GWSSB is implementing	1. February – 2022 2. *	Land allotment proposal is with Collector, Surat. DLR for land survey completed.
32.	Mandvi- Ratania (0.18 MLD)			Land allotment proposal is with Revenue Department.

		deposit work of Panchayat Department, Tender can be invited only after receiving necessary Administrative approval/Grant.		
	Cluster-6			
33.	Mandvi-Vadod (0.14 MLD)	Technical Sanction given in 165th TSC Committee of GWSSB. Tender to be invited after obtaining Revised Administrative Approval 0% Completed * As GWSSB is implementing deposit work of Panchayat Department, Tender can be invited only after receiving necessary Administrative approval/Grant.	1. February – 2022 2. *	Land allotment proposal is with Collector, Surat. DLR for land survey completed.
34.	Mandvi- Munjalav (0.44 MLD)			
35.	Mandvi- Dharmapur (0.52 MLD)			
36.	Mandvi-Nogama (0.32 MLD)			
37.	Mandvi-Kolakui (0.15 MLD)			
38.	Mandvi-Ushker & Togapur (0.15 MLD)			
	Cluster-7			
39.	Mandvi-Kharoli (0.54 MLD)	Technical Sanction given in 165th TSC Committee of GWSSB. Tender to be invited after obtaining Revised Administrative Approval 0% Completed * As GWSSB is implementing deposit work of Panchayat Department, Tender can be invited only after receiving necessary Administrative approval/Grant.	1. February – 2022 2. *	Land allotment proposal is with Collector, Surat. DLR for land survey completed
40.	Mandvi-Gavachhi (0.45 MLD)			
41.	Mandvi-Kudashi (0.08 MLD)			
42.	Mandvi-Naren (0.46 MLD)			
43.	Mandvi-Pipariya (0.25 MLD)			
44.	Mandvi-Kevadia (0.21 MLD)			
	Creek Regions			
	Cluster-8			

45.	Mandvi-Godavadi (0.82 MLD)	Technical Sanction given in 165th TSC Committee of GWSSB. Tender to be invited after obtaining Revised Administrative Approval 0% Completed * As GWSSB is implementing deposit work of Panchayat Department, Tender can be invited only after receiving necessary Administrative approval/Grant.	1. February – 2022 2. *	Land allotment proposal is with Collector, Surat. DLR for land survey completed
46.	Mandvi-Kamlapor (0.33 MLD)			Land is available
47.	Mandvi-Nanadpor (0.34 MLD)			Land allotment proposal is with Collector, Surat. DLR for land survey completed
48.	Mandvi-Umarsadi (0.4 MLD)			Land allotment proposal is with Collector, Surat. DLR for land survey completed
	Cluster-9			
49.	Bardoli-Kadod-Haripura (2.64 MLD)	Technical Sanction given in 165th TSC Committee of GWSSB. Tender to be invited after obtaining Revised Administrative Approval 0% Completed * As GWSSB is implementing deposit work of Panchayat Department, Tender can be invited only after receiving necessary Administrative approval/Grant.	1. February – 2022 2. *	Land allotment proposal is with Collector, Surat. DLR for land survey completed
50.	Bardoli-Jakhala (0.18 MLD)			
51.	Bardoli-Miyawadi (0.08 MLD)			
52.	Bardoli-Masad (0.46 MLD)			

Table – 2

Status of Drainage work & STPs in Villages related to PRS.					
Sr.No	**Name of PRS**	**Village name**	**STP (MLD)**	**Current status**	**Land status**
1.	Dhadhar Dist: Vadodara	Por	1.88	DPR under approval	Land is available
2.	Kolak Dist: Valsad	Chiri	2.59	DPR under approval	Land is available
3.		Salvav	0.78	DPR under preparation.	Land not available
4.		Charvada	1.65	DPR under preparation.	Land not available
5.		Balitha	2.49	DPR under preparation.	Land not available
6.	Kim Dist: Surat	Kim	3.39	As GWSSB is implementing deposit work of Panchayat Department, Proposal for Administrative approval is sent to Development Commissioner,Gandhinagar dated.05/10/2021 which is awaited. Work can be started after receiving necessary Administrative approval/Grant.	Land not available Implementation to be done by Panchayat Department.
7.	Kim Dist: Bharuch	Sahol	0.16	As GWSSB is implementing deposit work of Panchayat Department, Proposal for Administrative approval is sent to Development Commissioner, Gandhinagar dated.05/10/2021 which is awaited. Work can be started after receiving necessary Administrative approval/Grant.	Land is available Implementation to be done by Panchayat Department.
8.	Baleshwar Khadi Dist: Surat	Baleswar	0.90	As GWSSB is implementing deposit work of Panchayat	Land is available
9.		Kareli	0.13		Land is available

10.		Dastan	0.24	Department, Proposal for Administrative approval is sent to Development Commissioner, Gandhinagar dated.05/10/2021 which is awaited. Work can be started after receiving necessary Administrative approval/Grant.	Land is available
11.		Bagumara	0.56		Land is available Implementation to be done by Panchayat Department.
12.	Amlakhadi Dist: Bharuch	Bhadkodara	2.79	DPR under preparation.	Land not available
13.		Piraman	0.32	DPR under preparation.	Land not available
14.		Kapodara	0.90	DPR under preparation.	Land not available
15.		Kosamandi	2.60	DPR under preparation.	Land not available
16.	Amravati Dist: Bharuch	Sengpur	0.35	As GWSSB is implementing deposit work of Panchayat Department, Proposal for Administrative approval is sent to Development Commissioner, Gandhinagar dated.05/10/2021 which is awaited. Work can be started after receiving necessary Administrative approval/Grant.	Land is available
17.		Avadar	0.16		Land is available Implementation to be done by Panchayat Department.
18.		Dadhala	0.64	DPR under preparation.	Land not available
19.		Pardi	0.08	DPR under preparation.	Land not available
20.		Hirapor	0.28	As GWSSB is implementing deposit work of Panchayat Department, Proposal for Administrative approval is sent to Development Commissioner,Gandhinagar dated.05/10/2021 which is awaited. Work can be started after receiving necessary	Land is available

				Administrative approval/Grant.	
21.		Limet	0.15	DPR under approval	Land is available
22.		Piprod	0.10	As GWSSB is implementing deposit work of Panchayat Department, Proposal for Administrative approval is sent to Development Commissioner, Gandhinagar dated.05/10/2021 which is awaited. Work can be started after receiving necessary Administrative approval/Grant.	Land not available Implementation to be done by Panchayat Department.
Total			23.14		

CETPs:

Sr. No.	PRS	CETP details	Status	Amount of Bank Guarantee submitted (Rs. In crores)	Organization
1.	**Amravati (Priority - IV)**	There is no Industry in the vicinity of River Amravati and there is no discharge of industrial effluent in to Amravati river.		---	---
2.	**Amalakhadi (Priority - I)**	There is no any direct wastewater discharge from any CETP in to Amlakhadi		---	---
3.	**Anas (Priority - V)**	No any industrial effluent is being discharged into the stretch of River Anas.		---	---
4.	**Baleshwar Khadi (Priority - V)**	Proposed Up gradation of CETP GETPL to achieve ZLD to achieve ZLD	Obtained CTE Amendment for zero liquid discharge. Site office erection & area leveling is complete. Pre-treatment units 39% complete, tertiary treatment units 70% complete, MBBR tank 60% complete, gabion wall 90% complete and piping work 33% complete. The proposal is for Zero Liquid Discharge. However, the CETP is meeting with the norms.	0.45	Gujarat Eco Textile Park Limited.
5.	**Bhadar (Priority - I)**	New CETP for washing ghat at Derdi & Monpar (20 MLD)	Obtained CTE amendment from GPCB. RCC work of floor of Aeration tank is completed. Excavation work of primary settling tank is completed. Collection sump is in operation since 05/09/2020. Application is being filed with Ministry of Textile under IPDS scheme. The technical appraisal of the project is taken up with IIT Delhi which is under progress. Further construction work will		

			be started after getting approval from Ministry of Textile. This is a proposed CETP and no new industry will be permitted until and unless the CETP is commissioned.		
		Expansion/Modification is mentioned as below:- CETP Dhareshwar (Modification): -	Work completed	0.01	Shree Dhareshwar GIDC Vistar Association
		Up gradation of CETP JDPA wrt collection sump	All three newly constructed collection sumps are in operation since September – 2020. No waste water flow in river Bhadar. Additional new activity (was not included in the River Action Plan): Work for separate Common Effluent Treatment Plant for treatment of waste water generated from Textile Mercerizing units is completed and started.	0.4	Jetpur Dyeing & Printing Association.
6.	**Bhogavo (Priority - I)**	No any CETP in the region of Surendranagar and there is no industrial effluent discharge in the Bhogavo river.			
7.	**Damanganga (Priority - IV)**	Expansion of the existing CETP of VGEL from 55 to 70 MLD.	EC for the proposed expansion is awaited. The project will be completed within 6 months from obtaining EC. However, the inlet quantity does not cross the threshold of 55 MLD and the CETP is almost meeting with the norms. However, up-gradation work with installation of 8000 kg/hr capacity spray	0.69	Vapi Green Enviro Limited

			dryer system, aspirator type jet aerators in aeration tank and UASB reactor-1, 20 nos. of Jet mixers in equalization tank etc. has been carried out.		
8.	**Dhadhar (Priority - III)**	There is no any industrial effluent discharge/outlet into Dhadhar river stretch.		---	---
9.	**Khari (Priority - I)**	GIDCs of Naroda, Odhav, Vatva and GVMM are discharging their treated waste water from CETPs in to the MEGA Pipeline which is specifically dedicated for conveyance of Effluent generated from the estates which is ultimately being discharged in River Sabarmati. Hence there is no industrial waste water discharge in to River Khari from these industrial estates.		---	---
10.	**Kim (Priority - V)**	There is no industrial wastewater discharge into this river stretch.		---	---
11.	**Kolak (Priority - IV)**	No any industrial effluent is being discharged into the stretch of River Kolak.		---	---
12.	**Mahi (Priority - IV)**	No any industrial effluent is being discharged into the stretch of River Mahi.		---	---
13.	**Meshwo (Priority - V)**	There is no Industrial wastewater discharge into this river stretch.		---	---
14.	**Mindhola (Priority - V)**	No Industrial wastewater discharge into this River stretch.		---	---
15.	**Narmada (Priority - V)**	No Industrial wastewater discharge into this river stretch.		---	---
16.	**Sabarmati (Priority - I)**	Green Environment Co-Operative So. Ltd., (GECSL) Expn: 16 to 35 MLD	100% installation work for 3 Fanton catalytic reactor is complete and 100% civil work for various treatment units is complete. Operation of FCR plant is started.	0.03	Green Environment Services Co-Op. So. Ltd.

		Naroda Enviro Projects Ltd. (NEPL) Expn-: 3 to 14 MLD	Expansion of CETP upto 14 MLD is completed after obtaining EC & CCA. Further up-gradation of CETP through installation of hydro dynamic cavitation, for obtaining GPCB norms at final outlet, is under progress.	0.01	Naroda Enviro Projects Ltd.
		Odhav Enviro Projects Ltd. (OEPL) modification:- Proposed Spray Dryer	Completed the installation of common effluent spray dryer project. Operation of common spray dryer has been started after obtaining CCA of the Board.	---	---
		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 installed OCEMS at final outlet and operation of press filter is started.	---	---
		Narol Textile Integrated Enviro Management (NTIEM)Expn:- 100 to 130 MLD	Recently completed up-gradation in their CETP to meet with the norms. Existing CETP is meeting with the norms. Presently no plan for Expansion.	0.22	Narol Textile Integrated Enviro Management
		Ahmedabad Hand Screen Printing Association (AHSPA)- New CETP(30 MLD)	Under construction, 90% civil work completed. (Timeline 28/02/2022)	0.08	Ahmedabad Hand Screen Printing Association
17.	**Shedhi (Priority - IV)**	ETP-Mafatlal Industries Limited Upgradation	ETP up-gradation and commissioning is completed. Stabilization is completed. Treated effluent, meeting with the norms, from the ETP is being discharged into	0.08	Mafatlal Industries Limited

			inlet of the STP of Nadiad Nagarpalika and finally discharged into river Shedhi along with the treated sewage from STP of Nadiad Nagarpalika.		
		CETP Nadiad (0.5 MLD)	Nadiad GIDC association has put up proposal for land allotment to GIDC. Nadiad GIDC Industries Association vide letter dated 03/02/2021 submitted that the CETP will be made functional within 2 years from allotment of land by GIDC.	0.05	Nadiad GIDC Association.
18.	**Tapi (Priority - IV)**	No Industrial wastewater discharge into this river stretch		---	---
19.	**Triveni (Priority - III)**	There is no Industrial effluent discharge into this River stretch.		---	---
20.	**Vishwamitri (Priority - II)**	There is no industrial effluent discharge into the river stretch of Vishwamitri.		---	---

Deep Sea Disposal Pipeline for PRS Sabarmati & Bhadar:

- An unprecedented initiative, deep sea disposal pipeline projects to eliminate Industrial Footprint from River Sabarmati and Bhadar worth Rs. 2147 Crore as stated below have been given approval by State Government vide GR dated 26/11/2019.:
    1. Ahmedabad (Priority I) (300 MLD) (Rs. 1478 Cr.)
    2. Jetpur (Priority I) (80 MLD) (Rs. 669 Cr.)
- For Ahmedabad, 70% contribution of Capex will be from State Government and 30% from industries. For Jetpur, 80% contribution of Capex will be from State Government and 20% from industries. Opex will be entirely borne by the industries.
- State Government has allotted budget of Rs. 500 Cr. for the financial year 2019-2020 for the entire pipeline project.
- Industrial Associations have also deposited their first installment of 10 % of project cost towards capital cost contribution.
- State Government has allotted pipeline projects to Industries & Mines Department and execution of the project will be done by Gujarat Water Infrastructure Ltd (GWIL) as depository work.
- GWIL has floated the tender for Ahmedabad region pipeline on 14/10/2020 which is on hold and Jetpur region pipeline on 02/10/2020.
- In case of Jetpur region, tender is finalized and agency is fixed. Other administrative procedure is going on.
- Originally the project was planned for disposal of effluent in the Gulf of Cambay. As the disposal point falls on the upstream of the proposed Kalpsar Reservoir, an ambitious project of the State - a huge fresh water coastal reservoir for irrigation, now it is required to find an alternative for disposal of effluent. Meetings dated 06/01/2021 and 31/03/2021 were convened under the chairmanship of Hon'ble C.S. to discuss the issues in implementation of deep sea effluent disposal pipeline project for industrial areas of Ahmedabad region. Various alternatives were discussed during the meetings and it was decided that the facts will be brought to the notice of the Government by the Industries Department and a decision by the Government will be taken on way forward.

Annesxure – 1(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 October-2024	Reason for Non Compliance	Action Taken
1	Ahmedabad Pirana 2009	60	60.000	Operational	Non-Compliance	O & M issue	NOD
2	Ahmedabad Old Pirana 2004	106	100.000	Operational	Non-Compliance	AR not within norms	NOD
3	Ahmedabad Pirana 2009	180	180.000	Operational	Non-Compliance	AR not within norms	NOD
4	Ahmedabad Vasna 2004	126	80.000	Operational	Compliance		
5	Ahmedabad Vasna 2009	35	35.000	Operational	Non-Compliance	AR not within norms	NOD
6	Ahmedabad Vasna 2011	240	180.000	Operational	Non-Compliance	AR not within norms	NOD
7	Ahmedabad Vasna 2018	48	48.000	Operational	Compliance		
8	Ahmedabad JalViharVadaj 2019	60	60.000	Operational	Compliance		
9	Ahmedabad Rasala	1	0.000	Non-Operational			
10	Ahmedabad Vastrapur Lake	0.5	0.500	Operational	Compliance		
11	Ahmedabad V S Hospital	1	1.000	Operational	Compliance		
12	Ahmedabad Shahpur Shankar Bhuvan 2020	25	25.000	Operational	Non-Compliance	AR not within norms	SCN
13	Ahmedabad Pirana 2021	155	155.000	Operational	Compliance		
14	Ahmedabad Maleksaban	30	30.000	Operational	Compliance		
15	Ahmedabad Nikol	0.5	0.000	Operational	Compliance		
16	Ahmedabad Kotarpur	60	25.000	Operational	Compliance		

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP as on October-2024	Reason for Non Compliance	Action Taken
17	Ahmedabad Saijpur lake	7	5.500	Operational	Compliance		
18	Ahmedabad Dafnala	25	15.000	Operational	Compliance		
19	Ahmedabad Vinzol 2011	70	70.000	Operational	Compliance		
20	Ahmedabad Vinzol 2020	35	35.000	Operational	Compliance		
21	Ahmedabad Lambha	5	5.000	Operational	Compliance		
22	Ahmedabad Vinzol 2021	100	100.000	Operational	Compliance		
23	Bareja	3.1	1.500	Operational	Compliance		
24	Sanand	20.5	7.940	Operational	Compliance		
25	Dholka	13.6	12.000	Operational	Non-Compliance	AR not within norms	SCN
26	Dhandhuka	7.5	5.700	Operational	Compliance		
27	Botad	32	20.000	Operational	Compliance		
28	Bavla	5.8	5.500	Operational	Non-Compliance	O & M issue	Under Process
29	Viramgam	4.5	1.500	Operational	Compliance		
30	Barvala	2.91	-	Under Trial Run			
31	Petlad	10.37	6.700	Operational	Non-Compliance	AR not within norms	SCN
32	Anand-1	33	25.000	Operational	Compliance		
33	Anand-2	13.5	7.000	Operational	Compliance		
34	Borsad	9.8	5.000	Operational	Non-Compliance	AR not within norms	SCN
35	Ode	2.5	2.500	Operational	Non-Compliance	AR not within norms	Under Process
36	Anklav	3.6	3.400	Operational	Compliance		
37	Boriyavi	3.3	2.500	Operational	Compliance		
38	Karamsad	7	5.500	Operational	Compliance		

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP as on October-2024	Reason for Non Compliance	Action Taken
39	Khambhat-1	6.8	3.000	Operational	Compliance		
40	Khambhat-2	4.5	2.500	Operational	Non-Compliance	O & M issue	SCN
41	Anand-3	6.5	-	Under Trial Run			
42	Rajpipla	5.5	-	Under Trial Run			
43	Ankleshwar	22.5	7.000	Operational	Compliance		
44	Jambusar	5.9	1.500	Operational	Non-Compliance	O & M issue	SCN
45	Amod	3.1	0.800	Operational	Non-Compliance	O & M issue	SCN
46	Bharuch	29.32	6.500	Operational	Non-Compliance	O & M issue	SCN
47	Bhavnagar Nari road, Kumbharwada	30	30.000	Operational	Non-Compliance	O & M issue	Under Process
48	Bhavnagar Behind Excel industries	45	34.000	Operational	Compliance		
49	Bhavnagar Axcel Industries	50	48.000	Operational	Compliance		
50	Bhavnagar Akwada	19.2	5.000	Operational	Compliance		
51	Mahuva	16.3	7.000	Operational	Compliance		
52	Amreli	18.2	10.000	Operational	Compliance		
53	Chalala	2.8	1.650	Operational	Compliance		
54	Bagasra	5.9	1.500	Operational	Non-Compliance	O & M issue	Under Process
55	Rajula	5.7	3.780	Operational	Non-Compliance	O & M issue	Under Process
56	Babra	4	2.550	Operational	Compliance		
57	Talaja	5.8	1.000	Operational	Non-Compliance	O & M issue	Under Process
58	Sihor	8.9	3.500	Operational	Non-Compliance	O & M issue	SCN
59	Gariyadhar	7.1	3.500	Operational	Compliance		

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP as on October-2024	Reason for Non Compliance	Action Taken
60	Palitana	10.81	6.800	Operational	Compliance		
61	Gandhinagar Jaspur 2007	76	41.000	Operational	Non-Compliance	AR not within norms	Under Process
62	Gandhinagar Sargasan 2012-13	10	10.000	Operational	Non-Compliance	AR not within norms	Under Process
63	Gandhinagar Basan 2011-12	2	2.000	Operational	Non-Compliance	AR not within norms	Under Process
64	Gandhinagar Jaspur	65	10.000	Operational	Non-Compliance	O & M issue	Under Process
65	Dahegam	7.6	7.6	Operational	Compliance		
66	Mansa_G	5	5.000	Operational	Compliance		
67	Godhra	27.6	6.000	Operational	Compliance		
68	Dahod	13.7	9.000	Operational	Non-Compliance	AR not within norms	SCN
69	Jhalod	4.6	4.600	Operational	Non-Compliance	AR not within norms	SCN
70	Devgadhbariya	3.8	3.800	Operational	Non-Compliance	AR not within norms	SCN
71	Santrampur	2.91	2.600	Operational	Non-Compliance	AR not within norms	SCN
72	Kaalol	4.77	1.500	Operational	Non-Compliance	AR not within norms	SCN
73	Shahera	2.8	1.670	Operational	Non-Compliance	AR not within norms	SCN
74	Lunavada	5.6	4.000	Operational	Compliance		
75	Balasinor	6.5	5.000	Operational	Compliance		
76	Himmatnagar	17.51	7.500	Operational	Non-	AR not	NOD

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP as on October-2024	Reason for Non Compliance	Action Taken
					Compliance	within norms	
77	Idar	7.4	4.000	Operational	Compliance		
78	Prantij	3.7	1.000	Operational	Non-Compliance	O & M issue	NOD
79	Khedbrahma	5.8	1.000	Operational	Non-Compliance	O & M issue	Under process
80	Vadali	3.8	1.500	Operational	Non-Compliance	O & M issue	SCN
81	Talod	3.6	2.000	Operational	Non-Compliance	O & M issue	SCN
82	Jamnagar NavagamGhed	70	70.000	Operational	Non-Compliance	O & M issue	Under process
83	Dwarka	7.4	2.500	Operational	Compliance		
84	Sikka	2.9	1.500	Operational	Compliance		
85	Jamjodhpur	3.6	1.500	Operational	Compliance		
86	Kalavad	4.5	0.000	Operational	Compliance		
87	Dhrol	5.3	3.000	Operational	Compliance		
88	Salaya	6.2	-	Under Trial Run			
89	Okha	10.1	-	Under Trial Run			
90	Khambhaliya	5.5	-	Under Trial Run			
91	Bhanvad	3	-	Under Trial Run			
92	JetpurNavagadh	23.5	15.000	Operational	Non-Compliance	O & M issue	NOD
93	Dhoraji	12.9	5.500	Operational	Non-Compliance	O & M issue	SCN
94	Bhayavadar	3.1	2.500	Operational	Non-Compliance	O & M issue	NOD
95	JunagadhBilkha Road, near CBSE School	8.2	4.500	Operational	Compliance		

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP as on October-2024	Reason for Non Compliance	Action Taken
96	Junagadh Kalva	15.5	7.000	Operational	Compliance		
97	Junagadh Zanzarda	11	6.000	Operational	Compliance		
98	Una_G	11.7	8.000	Operational	Compliance		
99	Bantva	2.6	1.700	Operational	Compliance		
100	Visavadar	3.4	1.500	Operational	Compliance		
101	Chorvad	3.7	1.500	Operational	Compliance		
102	Keshod	13.3	5.500	Operational	Compliance		
103	Manavadar	4.9	2.400	Operational	Compliance		
104	Talala	3.8	1.500	Operational	Non-Compliance	O & M issue	NOD
105	Sutrapada	4	1.500	Operational	Non-Compliance	O & M issue	Under Process
106	Kodinar	5.6	2.500	Operational	Compliance		
107	GandhidhamAnjar	30	26.000	Operational	Compliance		
108	Bhachau-Rapar	5.5	4.000	Operational	Compliance		
109	Rapar	5.2	-	Under Trial Run			
110	Bhuj	23.7	6.000	Operational	Non-Compliance	AR not within norms	NOD
111	Visnagar-1	12	4.000	Operational	Compliance		
112	Kheralu	2.9	1.900	Operational	Compliance		
113	Visnagar-2	5.3	2.500	Operational	Compliance		
114	Vijapur	4.1	2.500	Operational	Compliance		
115	Kadi	12.8	12.800	Operational	Compliance		
116	Unjha	11.6	5.500	Operational	Compliance		
117	Vadnagar	5.94	2.000	Operational	Compliance		
118	Mahesana-1	23.18	11.000	Operational	Compliance		
119	Mahesana-2	18.46	10.000	Operational	Compliance		
120	Morbi-1	28.8	4.500	Operational	Non-	O & M	NOD

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP as on October-2024	Reason for Non Compliance	Action Taken
					Compliance	issue	
121	Morbi-2	9.3	4.000	Operational	Non-Compliance	O & M issue	NOD
122	Halvad	6.7	5.500	Operational	Compliance		
123	MaliyaMiyana	2.5	-	Under Trial Run			
124	Wankaner	5.8	0.370	Operational	Compliance		
125	Nadiad	51.26	20.000	Operational	Non-Compliance	AR not within norms	Under Process
126	Umreth	6.1	6.100	Operational	Non-Compliance	AR not within norms	SCN
127	Mehemdabad	5.6	4.920	Operational	Compliance		
128	Kheda	5.2	2.500	Operational	Non-Compliance	O & M issue	SCN
129	Kanjari	3.3	3.300	Operational	Compliance		
130	Kapadwanj	6.2	3.500	Operational	Non-Compliance	AR not within norms	SCN
131	Vyara	6.5	3.500	Operational	Compliance		
132	Bilimora	8.3	1.580	Operational	Compliance		
133	Gandevi	2.6	1.500	Operational	Compliance		
134	Songadh	4.5	1.700	Operational	Compliance		
135	Vijalpor - Navsari	47.4	17.000	Operational	Compliance		
136	Patan_Gu	25	24.160	Operational	Non-Compliance	AR not within norms	SCN
137	Tharad	4.8	2.900	Operational	Compliance		
138	Deesa	17	10.000	Operational	Non-Compliance	AR not within norms	SCN
139	Dhanera	4	3.500	Operational	Non-Compliance	O & M issue	Under Process

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP as on October-2024	Reason for Non Compliance	Action Taken
140	Bhabhar	3.5	3.000	Operational	Compliance		
141	Thara	3.3	3.300	Operational	Non-Compliance	O & M issue	Under Process
142	Harij	3	3.000	Operational	Compliance		
143	Chanasma	2.5	2.500	Operational	Compliance		
144	Radhanpur	6	-	Non-Operational			
145	Porbandar-2	19.1	10.000	Operational	Non-Compliance	O & M issue	Under process
146	Porbandar-1	12.8	4.000	Operational	Compliance		
147	Rajkot NrRaiya village 2010	51	50.000	Operational	Non-Compliance	AR not within norms	SCN
148	Rajkot Raiyadhar 2017	56	42.000	Operational	Compliance		
149	Rajkot NrMadhapar 2018	44.5	40.000	Operational	Non-Compliance	AR not within norms	NOD
150	Rajkot NrKothariya Village 2017	15	13.000	Operational	Non-Compliance	O & M issue	NOD
151	Rajkot Gavaridad 2018	70	55.000	Operational	Compliance		
152	Rajkot Madhapar 2019	80	65.000	Operational	Non-Compliance	O & M issue	NOD
153	Kothariya (New NH-8 Bypass)	15	10.000	Operational	Non-Compliance	O & M issue	NOD
154	Jasdan	8.8	4.200	Operational	Compliance		
155	Gondal	16.5	-	Under Trial Run			
156	Surat Singanpore 2003/2014/2021	255	160.000	Operational	Compliance		
157	Surat Karanj 1999/2015	140	140.000	Operational	Compliance		
158	Surat Bhatar 1999/2014/2017/2022	277	181.000	Operational	Compliance		
159	Surat Anjana 1995/2007/2019	122	93.000	Operational	Compliance		

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP as on October-2024	Reason for Non Compliance	Action Taken
160	Surat Bamroli 2008/2019/2022	215	116.000	Operational	Compliance		
161	Surat Bhesan 1995/2009/2020	200	92.000	Operational	Compliance		
162	Surat Khajod 2011/2022	55	25.000	Operational	Compliance		
163	Surat Asarama 2011/2022	37.5	15.000	Operational	Compliance		
164	Surat Dindoli 2012/2019	167	62.000	Operational	Compliance		
165	Surat Variav-Kosad 2012/2017	134	134.000	Operational	Compliance		
166	Surat Gavier 2016	53	13.000	Operational	Compliance		
167	Surat Valak	43.24	42.000	Operational	Compliance		
168	Bardoli	11.3	6.000	Operational	Compliance		
169	Mandvi_S	3.5	1.500	Operational	Compliance		
170	Surat Karanj	71	30.000	Operational	Compliance		
171	Dungra	0.52	0.150	Operational	Compliance		
172	Kolibharthana	0.36	0.160	Operational	Compliance		
173	Kamrej	50.09	25.500	Operational	Compliance		
174	Pasodra	10.02	5.500	Operational	Compliance		
175	Kathor	16	5.350	Operational	Compliance		
176	Bhartana	22.7	16.000	Operational	Compliance		
177	Kholeshvar	0.38	0.150	Operational	Compliance		
178	Varasa	51.78	-	Under Trial Run			
179	SurendranagarWadhwan	32.3	20.000	Operational	Compliance		
180	Dhrangadhra	11.6	5.350	Operational	Compliance		
181	Thangadh	9	-	Operational	Compliance		
182	Chotila-1	2.3	1.000	Operational	Compliance		
183	Chotila-2	1.7	-	Under Trial Run			
184	Vadodara Tarsali	52	44.000	Operational	Compliance		

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP as on October-2024	Reason for Non Compliance	Action Taken
185	Vadodara Gajarawadi	66	66.000	Operational	Non-Compliance	AR not within norms	Under Process
186	Vadodara Kapurai	43	40.000	Operational	Non-Compliance	AR not within norms	Under Process
187	Vadodara Rajivnagar	78	50.000	Operational	Compliance		
188	Vadodara Sayaji garden	16	8.000	Operational	Compliance		
189	Vadodara Channi	21	21.000	Operational	Non-Compliance	AR not within norms	Under Process
190	Vadodara Atladara (old)	43	43.000	Operational	Non-Compliance	AR not within norms	Under Process
191	Vadodara Atladara (new)	43	43.000	Operational	Non-Compliance	AR not within norms	Under Process
192	Vadodara Kapurai (New)	60	35.000	Operational	Compliance		
193	Vadodara Bhayli	45	36.000	Operational	Compliance		
194	Vadodara Chhani	50	37.000	Operational	Compliance		
195	Vadodara Vemali new	13	5.000	Operational	Compliance		
196	ChhotaUdepur	5	1.500	Operational	Non-Compliance	O & M issue	Under Process
197	Padra	5.6	5.600	Operational	Non-Compliance	AR not within norms	Under Process
198	Karjan	5.2	5.200	Operational	Compliance		
199	Dabhoi	8.96	-	Under Trial Run			
200	Karjan-2	0.76	0.250	Operational	Compliance		
201	Vadodara Atladra new	84	60	Operational	Compliance		
202	Valsad-1	20.2	7	Operational	Compliance		
203	Vapi-1	14	11	Operational	Compliance		
204	Dharampur	4.1	1.8	Operational	Compliance		

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP as on October-2024	Reason for Non Compliance	Action Taken
TOTAL		5871.85	4000.93				

SCN : Show Cause Notice NOD : Notice of Direction

Annexure – 1(B)
Details of under construction STPs in the State

No.	Mun.Corp./ RCM Zone	District	Location	Capacity of the plant in MLD	Physical Progress in %	Status of House sewer connections	Completion Timeline
1	AUDA	Ahmedabad	Visalpur	107	1%	-	31/12/2025
2	MC	Ahmedabad	Ahmedabad Vinzol	75	5%	-	30/04/2026
3	MC	Ahmedabad	Ahmedabad Sola	30	6%	-	31/12/2025
4	MC	Ahmedabad	Ahmedabad Jagatpur	15	4%	-	31/12/2025
5	MC	Ahmedabad	Ahmedabad Vasna	375	7%	-	31/12/2027
6	MC	Surat	Surat Variav-Kosad	86	98%	Completed	31/12/2024
7	MC	Surat	DhoranPardi	13.18	95%	Completed	31/12/2024
8	MC	Vadodara	Vadodara Tarsali new	100	97%	Completed	31/12/2024
9	MC	Vadodara	Vadodara Undera	21	55%	Completed	30/04/2025
10	MC	Vadodara	Vadodara Sherkhi	100	8%	Work ongoing	31/12/2025
11	MC	Vadodara	Vadodara-Khalipur	60	7%	-	12/03/2027
12	MC	Vadodara	Vadodara Tarsali	50	8%	Work ongoing	31/12/2025
13	MC	Rajkot	Rajkot Raiya	23	12%	-	14/02/2026
14	MC	Rajkot	Rajkot Ghanteshwar	15	10%	-	03/03/2026
15	MC	Gandhinagar	Gandhinagar Sargasan	50	0%	Completed	30/06/2025
16	MC	Gandhinagar	Gandhinagar Bhat	25	22%	-	27/06/2025
17	MC	Gandhinagar	Gandhinagar Pethapur	15	7%	Completed	31/08/2025

18	MC	Junagadh	JunagadhSonrakh	29.50	89%	70%	31/01/2025
19	MC	Jamnagar	Jamnagar, RS No. 972, Nr. Rajnagar	20	14%	work ongoing	30/06/2025
20	MC	Jamnagar	Jamnagar, RS No. 48, Dhinchda	30	4%	work ongoing	30/06/2025
21	RCM Ahmedabad	Kheda	Chakalasi	4.90	68%	-	31/12/2024
22	RCM Ahmedabad	Botad	Gadhada	6.3	45%	-	28/02/2025
23	RCM Ahmedabad	Ahmedabad	Bavla -2	14	6%	-	31/12/2025
24	RCM Ahmedabad	Kheda	Kathlal	4.5	7%	-	31/12/2025
25	RCM Ahmedabad	Surendranagar	Patdi	3.4	6%	-	31/12/2025
26	RCM Bhavnagar	Amreli	Lathi	3.80	95%	Completed	28/02/2025
27	RCM Bhavnagar	Amreli	Damnagar	2.80	85%	Completed	28/02/2025
28	RCM Bhavnagar	Bhavnagar	Vallabhipur	2.30	90%	work ongoing	25/03/2025
29	RCM Bhavnagar	Amreli	Savarkundla	13.4	47%	-	28/02/2025
30	RCM Bhavnagar	Gir Somnath	Veraval-Patan	45	0%	-	31/12/2025
31	RCM Gandhinagar	Patan	Siddhpur	13.5	50%	-	31/01/2025
32	RCM Gandhinagar	Gandhinagar	Kalol	33.10	79%	Completed	31/12/2024
33	RCM Gandhinagar	Banaskantha	Palanpur	36.00	24%	95%	30/12/2025
34	RCM Gandhinagar	Arvalli	Bayad	5.07	25%	-	31/03/2025
35	RCM Rajkot	Porbandar	Kutiyana	2.90	99%	Completed	31/12/2024
36	RCM Rajkot	Porbandar	Porbandar-Chhaya	13.10	0%	Completed	31/08/2026
37	RCM Rajkot	Kutch	Mandvi-1 (JT Grounds)	5.30	96%	Completed	31/12/2024
38	RCM Rajkot	Kutch	Mandvi-2 (Salaya)	3.20	96%	Completed	31/12/2024
39	RCM Rajkot	Rajkot	Upleta	8.0	2%	-	30/06/2025
40	RCM Rajkot	Kutch	Mundra	10.00	5%	Work in progress	31/10/2025
41	RCM Rajkot	Devbhumi Dwarka	Beyt (near Okha)	1.00	65%	In Progress	01/03/2025

42	RCM Surat	Valsad	Vapi-2	22.00	89%	Completed	31/12/2024
43	RCM Surat	Valsad	Umargam	6.48	75%	Completed	31/03/2025
44	RCM Surat	Bharuch	Ankleshwer	14.00	80%	Completed	31/12/2024
45	RCM Surat	Valsad	Valsad-2	15.00	2%	Completed	31/10/2025
46	RCM Vadodara	Panchmahal	Halol	12.35	100%	50%	31/12/2024
47	RCM Vadodara	Anand	VallabhVidhyanagar	21	32%	In Progress	30/05/2025
48	RCM Vadodara	Anand	Sojitra	2.5	9%	In Progress	31/12/2025

Total Capacity of STPs under construction = 1564.58 MLD

Annexure – 1 (C)
Details of proposed STPs in the State

No.	Mun.Corp./ RCM Zone	District	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	MC	Ahmedabad	Pirana	424	Tender approved. LOI will be issued.	Dec.2027
2	MC	Ahmedabad	Pirana	240	Tender approved. LOI will be issued.	-
3	MC	Vadodara	Vadodara Gajarawadi	130	DPR prepared, Funds requested	-
4	MC	Surat	Surat Khadsad	60	DPR Under Sanctioned	Dec.2026
5	MC	Surat	Surat Kosad	50	DPR Under Preparation	-
6	MC	Surat	Surat Gothan	10	DPR sanctioned	Land Not Available
7	MC	Surat	Surat Velanja	21.50	DPR sanctioned	Land Not Available
8	MC	Surat	Surat Kanak – Kansad	50	DPR sanctioned	Land Not Available
9	MC	Surat	Surat Bhada	9	DPR under sanctioned	Land Not Available
10	MC	Surat	Surat Saroli	60	DPR sanctioned	-
11	MC	Bhavnagar	Upgradation of 30MLD STP	15	DTP prepared	Aug.2027
12	MC	Bhavnagar	Kumbhadwada	50	DPR preparation	Dec.2027
13	MC	Bhavnagar	Akvada	50	In Planning	-
14	MC	Jamnagar	Jamnagar Nr Rangmati River	50	In Planning	-
15	MC	Jamnagar	R.S. No. 287	10	Re-Tender to be	March.2027

No.	Mun.Corp./ RCM Zone	District	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
			Naghedi Jamnagar		done	
16	MC	Gandhinagar	Raysan TP 19	3	Tender invited	-
17	RCM Ahmedabad	Kheda	Thasra	7	LoI Issued	-
18	RCM Ahmedabad	Kheda	Mahudha	4	DTP under Preparation	Land issue
19	RCM Ahmedabad	Surendranagar	Limbdi	7.4	DPR stage	-
20	RCM Ahmedabad	Ahmedabad	Viramgam-2	9	LoI Issued	-
21	RCM Ahmedabad	Kheda	Dakor	4.9	DPR under preparation	-
22	RCM Ahmedabad	Surendranagar	Surendranagar	15	LoI Issued	Aug.2026
23	RCM Bhavnagar	Junagadh	Mangrol_J	10.91	Tender under approval of Technical Evaluation	-
24	RCM Bhavnagar	Junagadh	Vanthali	2.2	Tender invited	Dec.2025
25	RCM Bhavnagar	Amreli	Jafarabad	5.4	Tender is awarded. Land allocation is in process	Apr.2026
26	RCM Gandhinagar	Aravalli	Modasa	28	LoI issued	-
27	RCM Rajkot	Porbandar	Ranavav – 1	3	DTP stage	-
28	RCM Rajkot	Porbandar	Ranavav – 2	4.50	DTP stage	-
29	RCM Rajkot	Devbhumi Dwarka	Jamraval	2.60	DTP stage	Land allocation process under progress
30	RCM Rajkot	Kutch	Nakhatrana	4.50	DPR prepared	-
31	RCM Surat	Valsad	Pardi	4.60	DPR submitted	-
32	RCM Surat	Surat	Tarsadi	9	LoI issued	-

No.	Mun.Corp./ RCM Zone	District	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
33	RCM Surat	Surat	Kadodara	-	DPR stage	-
34	RCM Surat	Navsari	Navsari-Vijalpor	37	Tender invited	-
35	RCM Vadodara	Vadodara	Savli	2.5	Tender Online	-
36	RCM Vadodara	Anand	Anand-4	10	Tender invited	-

Total Capacity of Proposed STPs = 1404.01 MLD.

Annexure-II

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

1. **Amlakhadi**

(A)

Progress/Status Report of the River/PRS water quality monitoring for the Month October– 2024:

Sr. No.	Month/ Date	Location ID	Name of Location	Parameter					
				pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	Fecal coliform (MPN/ 100ml)	Total coliform (MPN/100 ml)
1	June-2021	33440	Low Level Bridge	7.35	0.77	6	28	>1600	>1600
		32618	Pungam	7.53	1.34	6	32	70	280
2	July-2021	33440	Low Level Bridge	7.3	BDL	20	53	>1600	>1600
		32618	Pungam	7.28	0.12	16	90	94	350
3	August-2021	33440	Low Level Bridge	7.84	BDL	6	29	>1600	>1600
		32618	Pungam	7.44	1.26	5	28	>1600	>1600
4	September-2021	32522	Low Level Bridge	7.27	BDL	12	57	>1600	>1600
		32518	Pungam	7.18	0.74	23	126	>1600	>1600
5	October-2021	32522	Low Level Bridge	7.81	3.42	5	28	>1600	>1600
		32518	Pungam	7.69	5.2	4.38	29	920	>1600
6	November-2021	32522	Low Level Bridge	7.47	3.56	3.15	35	>1600	>1600
		32518	Pungam	7.44	3.89	<5	11	540	1600
7	December-2021	32522	Low Level Bridge	7.31	3.77	2.25	20	1600	>1600
		32518	Pungam	7.81	4.19	2.70	7	1600	>1600

8	January-2022	32522	Low Level Bridge	7.87	BDL	22	88	>1600	>1600
		32518	Pungam	7.97	5.01	2.08	10	920	1600
9	February-2022	32522	Low Level Bridge	7.51	BDL	27	118	920	>1600
		32518	Pungam	7.67	BDL	24	109	920	>1600
10	March-2022	32522	Low Level Bridge	8.06	BDL	6	25	>1600	>1600
		32518	Pungam	7.6	BDL	12	61	>1600	>1600
11	April-2022	32522	Low Level Bridge	7.77	BDL	11	53	210	940
		32518	Pungam	7.62	BDL	11	40	110	220
12	May-2022	32522	Low Level Bridge	7.56	BDL	19	85	540	920
		32518	Pungam	7.65	BDL	17	70	920	>1600
13	June-2022	32522	Low Level Bridge	7.04	1.62	06	40	>1600	>1600
		32518	Pungam	7.51	3.03	06	37	280	540
14	July-2022	32522	Low Level Bridge	7.46	BDL	28	121	>1600	>1600
		32518	Pungam	7.57	BDL	12	54	>1600	>1600
15	August-2022	32522	Low Level Bridge	7.28	BDL	11	48	350	940
		32518	Pungam	7.51	BDL	10	48	540	1600
16	September-2022	32522	Low Level Bridge	7.36	1.02	6	30	>1600	>1600
		32518	Pungam	7.33	5.80	2.08	17	>1600	>1600
17	October-2022	32522	Low Level Bridge	7.52	BDL	50	211	>1600	>1600
		32518	Pungam	7.60	BDL	8	34	540	920
18	November-2022	32522	Low Level	7.54	3.08	<5	32	>1600	>1600

			Bridge						
		32518	Pungam	7.75	BDL	8	32	>1600	>1600
19	December-2022	32522	Low Level Bridge	7.47	BDL	14	62	> 1600	>1600
		32518	Pungam	7.64	0.66	7	42	540	>1600
20	January-2023	32522	Low Level Bridge	7.37	BDL	15	68	> 1600	>1600
		32518	Pungam	7.55	BDL	19	80	240	920
21	February-2023	32522	Low Level Bridge	7.50	BDL	11	50	> 1600	> 1600
		32518	Pungam	7.36	0.32	8	43	> 1600	> 1600
22	March-2023	32522	Low Level Bridge	7.83	BDL	13	60	> 1600	> 1600
		32518	Pungam	7.39	4.50	3.15	16	110	220
23	April-2023	32522	Low Level Bridge	7.58	BDL	12	48	> 1600	> 1600
		32518	Pungam	7.49	BDL	6	32	79	280
24	May-2023	32522	Low Level Bridge	7.31	0.63	7	36	> 1600	> 1600
		32518	Pungam	8.11	5.05	2.90	16	> 1600	> 1600
25	June-2023	32522	Low Level Bridge	7.30	3.18	7	32	> 1600	> 1600
		32518	Pungam	7.33	1.84	5	20	110	540
26	July-2023	32522	Low Level Bridge	7.36	BDL	8	35	540	>1600
		32518	Pungam	7.69	5.71	2.65	16	70	280
27	August-2023	32522	Low Level Bridge	8.02	0.26	7	36	350	920
		32518	Pungam	7.50	1.13	8	36	540	>1600
28	September-2023	32522	Low Level Bridge	7.38	0.44	6	32	240	540

		32518	Pungam	7.42	0.44	7	31	920	>1600
29	October-2023	32522	Low Level Bridge	7.32	1.58	6	27	350	920
		32518	Pungam	7.30	0.36	7	36	920	>1600
30	November-2023	32522	Low Level Bridge	8.07	4.38	4	24	280	1600
		32518	Pungam	7.37	0.53	9	40	>1600	>1600
31	December-2023	32522	Low Level Bridge	8.02	BDL	11	52	>1600	>1600
		32518	Pungam	8.15	2.26	5	28	1100	700
32	January-2024	32522	Low level Bridge	7.38	BDL	22	88	>1600	>1600
		32518	Pungam	7.50	BDL	14	64	790	1100
33	February-2024	32522	Low level Bridge	7.40	BDL	13	55	>1600	>1600
		32518	Pungam	7.39	1.21	6.01	32	330	700
34	March-2024	32522	Low Level Bridge	7.41	0.73	8	38	>1600	>1600
		32518	Pungam	7.37	1.09	7	32	120	330
35	April - 2024	32522	Low Level Bridge	7.40	BDL	6	23	>1600	>1600
		32518	Pungam	7.32	BDL	16	69	>1600	>1600
36	May - 2024	32522	Low Level Bridge	7.37	BDL	8	28	210	490
		32518	Pungam	8.00	BDL	11	41	110	220
37	June - 2024	32522	Low Level Bridge	7.77	BDL	9	34	>1600	>1600
		32518	Pungam	7.45	BDL	<5	8	>1600	>1600
38	July-2024	32522	Low Level Bridge	7.26	BDL	10	37	>1600	>1600

		32518	Pungam	7.24	BDL	21	80	>1600	>1600
39	August-2024	32522	Low level Bridge	7.21	2.2	5	24	700	1100
		32518	Pungam	6.99	2.2	6	26	700	1300
40	September-2024	32522	Low level Bridge	7.23	2.1	5	24	270	190
		32518	Pungam	7.22	4.5	3.1	17	>1600	>1600
41	October-2024	32522	Low Level Bridge	7.39	BDL	6	24	>1600	>1600
		32518	Pungam	8.18	5.8	2.3	12	110	700

(B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River for October - 2024:

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	8.27	<5	5	0.142	0.299	BDL	0.254	0.039	NA	0.12	0.049
50635	Vill. Juna Pungam	8.48	<5	5	0.129	0.247	BDL	0.152	0.015	NA	0.079	0.023
	Vill. Bhadkodra	--	--	--	--	--	--	--	--	--	--	--
	Vill. Kosmadi	--	--	--	--	--	--	--	--	--	--	--
	Piraman Gram Panchayat	--	--	--	--	--	--	--	--	--	--	--
	Vill. Sakarporbhatha	--	--	--	--	--	--	--	--	--	--	--

*NA-Not analyzed

(C)

Drains Details with Flow:

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

(D)

STP & CETP results:

STP Results: Not Applicable

CETP Results: There is no industrial wastewater discharge into Amalakhadi.

2. Amravati

(A)

Progress/Status Report of the River/PRS water quality monitoring for the Month October -2024:

Sr. No.	Month/ Date	Location ID	Name of Location	Parameter					
				pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	Fecal coliform (MPN/ 100ml)	Total coliform (MPN/100 ml)
1	June-2021	43527	At village Dadhal	8.01	7.24	1.13	5	33	130
2	July-2021	43527	At village Dadhal	8.09	7.78	0.98	5	46	170

3	August-2021	43527	At village Dadhal	7.82	6.81	1.22	6	49	130
4	September-2021	83880	At village Dadhal	7.62	6.47	1.42	10	94	170
5	October-2021	83880	At village Dadhal	8.26	7.04	1.14	6	13	79
6	November-2021	83880	At village Dadhal	8.14	7.63	1.26	6	94	170
7	December-2021	83880	At village Dadhal	8.03	8.02	1.42	6	70	110
8	January-2022	83880	At village Dadhal	8.15	6.98	1.74	6	94	170
9	February-2022	83880	At village Dadhal	8.14	7.06	1.70	6	33	140
10	March-2022	83880	At village Dadhal	7.76	6.96	1.78	7	33	140
11	April-2022	83880	At village Dadhal	7.59	7.02	1.24	6	27	140
12	May-2022	83880	At village Dadhal	8.04	7.08	1.27	6	30	110
13	June-2022	83880	At village Dadhal	7.91	4.83	2.27	25	33	140
14	July-2022	83880	At village Dadhal	7.75	4.91	2.08	18	12	170
15	August-2022	83880	At village Dadhal	8.2	7.06	0.96	6	46	170
16	September-2022	83880	At village Dadhal	7.99	7.26	1.62	6	14	130
17	October-2022	83880	At village Dadhal	8.27	7.32	1.54	5	47	140
18	November-2022	83880	At village Dadhal	7.97	7.42	1.56	6	79	130

19	December-2022	83880	At village Dadhal	8.21	3.98	<5	31	70	110
20	January-2023	83880	At village Dadhal	8.16	7.22	1.58	8	33	140
21	February-2023	83880	At village Dadhal	7.96	6.92	1.18	5	33	140
22	March-2023	83880	At village Dadhal	8.30	6.18	2.21	12	33	140
23	April-2023	83880	At village Dhadhal	7.93	6.14	1.74	12	27	140
24	May-2023	83880	At village Dhadhal	7.57	5.68	2.45	20	40	170
25	June-2023	83880	At village Dhadhal	8.04	4.69	2.94	20	79	280
26	July-2023	83880	At village Dhadhal	6.82	6.18	1.72	12	40	170
27	August-2023	83880	At village Dadhal	8.07	6.97	1.38	12	49	140
28	September- 2023	83880	At village Dadhal	8.09	5.56	1.58	11	70	170
29	October-2023	83880	At village Dadhal	8.01	7.20	1.84	10	49	140
30	November-2023	83880	At village Dadhal	7.77	6.42	2.68	18	33	110
31	December-2023	83880	At village Dadhal	7.94	7.38	1.88	14	68	110
32	January-2024	83880	At village Dadhal	7.86	8.14	1.13	10	93	220
33	February-2024	83880	At village Dadhal	7.67	5.24	2.81	15	110	230
34	March-2024	83880	At village Dadhal	8.30	8.17	0.87	6	40	200

35	April- 2024	83880	At village Dadhal	8.10	8.34	0.73	8	40	170
36	May- 2024	83880	At village Dadhal	During visit, no flow is observed in river Amravti & stagnant water observed in river hence sample is not collected.					
37	June-2024	83880	At village Dadhal	During visit, no flow is observed in river Amravti & stagnant water observed in river hence sample is not collected.					
38	July-2024	83880	At village Dadhal	7.61	6.49	1.28	6	40	140
39	August-2024	83880	At village Dadhal	8.10	7.4	1	7	40	140
40	September-2024	83880	At village Dadhal	7.86	7.40	1.10	7	45	120
41	October-2024	83880	At village Dadhal	8.14	7.4	0.9	5	40	120

(B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River for October – 2024:

Location ID	**Name of Location**	**Parameter**										
		pH	**BOD (mg/l)**	**COD (mg/l)**	**Cu mg/l**	**T.Cr. mg/l**	**H.Cr. mg/l**	**Fe mg/l**	**Pb mg/l**	**Mn mg/l**	**Ni mg/l**	**Zn mg/l**
50637	Jitali Water works	8.15	<5	5	0.109	0.188	BDL	0.204	0.097	NA	0.077	0.035

*NA-Not analyzed

(C)

Drains Details with Flow:

Sr. No	**Location**	**Name of Inletting River/Drain**	**Discharge *(Cusec)**	
			Max	**Min**
1	Limbet Gram Panchayat- Ta. Jhagadia	Domestic w/w drain pipe line outlet in to River Amravati	0.1878	0.1
2	HiraporGramPanchayat- Ta. Valia	Domestic w/w drain pipe line outlet in to River Amravati	0.2120	0.1

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

(D)

STP & CETP results

Not Applicable

3. Anas

(A)

Progress/Status Report of the River/PRS water quality Monitoring October– 2024:

Sr. No.	Month/ Date	Location ID	Name of Location	Parameter						
				pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	Fecal coliform (MPN/ 100ml)	Total coliform (MPN/100 ml)	TDS (mg/l)
1	June-2021		River Anas at Limdi (Zalod)-Kushalgadh road, Vill.Chakaliya,	8.17	8.7	0.8	7.0	7.8	70	

			Dist.Dahod.							
2	July-2021		As above	7.83	7.4	0.5	6.0	6.0	63	
3	August-2021		As above	7.78	7.2	0.7	5.0	2.0	39	278
4	September-2021		As above	7.70	8.4	0.7	5.0	<1.8	34	288
5	October-2021		As above	8.45	8.3	0.7	6.0	<1.8	40	296
6	November-2021		As above	8.33	8.1	0.5	6.0	<1.8	40	240
7	December-2021		As above	8.45	8.5	0.5	7.0	4.0	64	274
8	January-2022		As above	8.41	8.5	0.6	6.0	2.0	33	308
9	February-2022		As above	8.49	8.4	0.6	7.0	2	27	350
10	March-2022		As above	8.29	8.5	0.6	9.0	4	33	446
11	April-2022		As above	8.49	6.6	0.7	9.0	6.8	47	428
12	May-2022		As above	8.48	8.0	0.7	7.0	2.0	33	422
13	June-2022		As above	8.12	7.8	0.8	8.0	2.0	21	466
14	July-2022		As above	8.49	7.0	0.7	8.0	2.0	27	350
15	August-2022		As above	8.26	7.9	0.8	5.0	4.0	12	402
16	September-2022		As above	8.49	7.3	0.6	7.0	4.0	27	208
17	October-2022		As above	8.49	7.5	0.7	5.0	2.0	27	226
18	November-2022		As above	8.28	7.7	0.7	6.0	4.0	21	206
19	December-2022		As above	8.49	7.6	0.7	5.0	4.0	27	218
20	January-2023		As above	8.49	7.8	0.6	6.0	4.0	21	296
21	February-2023		As above	8.46	7.8	0.5	6.0	<2.0	11	220

22	March-2023		As above	8.41	7.6	0.6	7.0	4.0	21	244
23	April-2023		As above	8.46	7.8	0.5	7.0	11	30	300
24	May-2023		As above	8.46	7.8	0.5	07	9	50	330
25	June-2023		As above	8.46	7.5	0.5	06	14	70	322
26	July-2023		As above	8.49	7.6	0.5	07	09	50	182
27	August-2023		As above	8.39	7.7	0.5	06	06	21	250
28	September-2023		As above	8.49	7.6	0.5	08	14	50	248
29	October-2023		As above	8.06	7.4	0.6	07	11	30	324
30	November-2023		As above	8.40	7.4	0.6	08	11	50	244
31	December-2023		As above	8.30	8.2	0.5	08	14	70	238
32	January-2024		As above	8.41	7.39	0.8	07	09	50	332
33	February-2024		As above	8.08	7.27	0.82	08	11	70	362
34	March-2024		As above	8.46	7.22	0.78	08	07	30	302
35	April -2024		As above	8.49	7.48	0.74	07	07	33	284
36	May -2024		As above	8.47	7.17	0.83	08	04	30	300
37	June – 2024		As above	8.41	7.16	0.73	07	13	70	312
38	July – 2024		As above	8.46	7.22	0.93	08	07	50	332
39	Aug – 2024		As above	8.26	6.99	0.95	07	07	30	242
40	Sep-2024		As above	7.85	6.93	0.75	08	07	33	202
41	Oct-2024		As above	7.89	7.06	0.61	08	11	27	288

(B)

STPs Results

	Dahod STP (01/08/2024)	**Jhalod STP (01/08/2024)**
Temp	27	27
pH	8.36	8.29
SS (mg/L)	12	12
TCO (MPN/100 ml)	--	>1600
FCO (MPN/100 ml)	350	540
BOD (mg/L)	<5	<5

(C)
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	--	--

(D)
CETPs Results

Not Applicable. As there is no discharge of industrial effluent in identified stretch of River Anas, there is no existing/ proposed CETP.

(E)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River Oct – 2024:

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	1.37	07	4.08	<2.0	6.96	<2.0	1284
Well At Hindu Dharamashala, Station Road, Dahod	1.16	08	6.72	<2.0	7.74	<2.0	590

4. Baleshwar Khadi

(A)

Progress/Status Report of the River/PRS water quality monitoring October- 2024

Sr. No.	Month/ Date	Location ID	Name of Location	Parameter					
				pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	Fecal coliform (MPN/ 100ml)	Total coliform (MPN/100 ml)
1	June-2021		Baleshwar Khadi	8.41	5.1	2.5	20	540	>1600
2	July-2021		Baleshwar Khadi	7.68	5.0	2.7	13	1600	>1600
3	August-2021		Baleshwar Khadi	7.69	5.1	2.3	12	920	>1600
4	September-2021		Baleshwar Khadi	7.69	5.3	2.2	14	920	>1600
5	October-2021		Baleshwar Khadi	7.65	5.7	1.6	7	170	540
6	November-2021		Baleshwar Khadi	7.82	5.2	2.7	8	220	920
7	December-2021		Baleshwar Khadi	7.85	6.7	1.4	12	210	920
8	January-2022		Baleshwar Khadi	8.05	4	2.8	15	540	>1600

9	February-2022		Baleshwar Khadi	8.11	4.4	2.7	16	540	>1600
10	March-2022		Baleshwar Khadi	8.22	6	2.1	14	110	>1600
11	April-2022		Baleshwar Khadi	7.82	5.7	1.8	14	130	>1600
12	May-2022		Baleshwar Khadi	7.84	5.2	2.4	12	150	920
13	June-2022		Baleshwar Khadi	7.74	5.5	2.5	12	920	>1600
14	July-2022		Baleshwar Khadi	7.8	5.3	2.5	24	54	>1600
15	August-2022		Baleshwar Khadi	8.42	5.4	2.3	20	920	>1600
16	September-2022		Baleshwar Khadi	8.22	6.8	2.2	14	1600	>1600
17	October-2022		Baleshwar Khadi	8.02	6.2	2.3	18	920	>1600
18	November-2022		Baleshwar Khadi	8.33	5.6	1.6	10	1600	>1600
19	December-2022		Baleshwar Khadi	8.22	6.0	1.8	12	1600	>1600
20	January-2023		Baleshwar Khadi	8.05	8.0	2.3	12	920	>1600
21	February-2023		Baleshwar Khadi	8.4	6.9	1.3	14	40	350
22	March-2023		Baleshwar Khadi	7.7	6	2	17	63	540
23	April-2023		Baleshwar Khadi	8.45	7.0	2.4	12	920	>1600
24	May-2023		Baleshwar Khadi	8.10	6.0	2.4	14	32	170
25	June-2023		Baleshwar Khadi	8.06	7.1	1.8	10	540	1600
26	July-2023		Baleshwar Khadi	7.7	7	2.8	10	920	>1600
27	August-2023		Baleshwar Khadi	7.75	5.0	2.8	10	11	31
28	September-2023		Baleshwar Khadi	6.92	5.8	2.9	18	17	70
29	October-2023		Baleshwar Khadi	7.84	5.2	2.6	16	70	920
30	November-2023		Baleshwar Khadi	7.65	5.8	1.8	12	120	90

31	December-2023		Baleshwar Khadi	7.67	5.5	2.6	10	350	920
32	January-2024		Baleshwar Khadi	6.75	6.9	1.4	14	1600	>1600
33	February-2024		Baleshwar Khadi	7.65	5.8	2.5	10	47	150
34	March – 2024		Baleshwar Khadi	8.46	5.6	2.7	12	540	1600
35	April -2024		Baleshwar Khadi	7.36	5.3	2.2	14	120	920
36	May – 2024		Baleshwar Khadi	8.45	6.1	2.4	14	17	130
37	June-2024		Baleshwar Khadi	8.46	6.1	2	14	120	920
38	July-2024		Baleshwar Khadi	8.45	6.2	2	8	48	110
39	August-2024		Baleshwar Khadi	7.92	6.4	2.1	10	920	>1600
40	September-2024		Baleshwar Khadi	7.79	6.4	1.5	8	920	>1600
41	October-2024		Baleshwar Khadi	7.32	6	2.1	8	210	920

(B)
STP results
No existing STPs into this River stretch

(C)
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

(D)
Details of existing CETPs result

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

Date	Name of CETP	pH	BOD (mg/l)	COD (mg/l)	O&G (mg/l)	SS (mg/l)	NH3N (mg/l)	Phenolic Compounds (mg/l)
01.10.2024	CETP Of Gujarat Eco Textile Park Ltd(31233)	7.11	29	240	5.2	84	32.48	0.72
Standard		6.5 to 8.5	30	250	-	<60	50	1
01.10.2024	CETP Of New PalsanaIndustrial Co-Op. Society Ltd.(10462)	7.07	27	242	6	56	24.08	0.46
Standard		6.5 to 8.5	30	250	-	<60	50	1

(E)
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
01/04/2021	420	0.8	0.09	92	1405	11	--	--	<2	43.8	0.84	--	0.8	8.5	0.13	0.85	25.7	12	27	270	<2	856	2.8	30
04/10/2021	320	2.1	0.058	175	1256	8	--	4.6	<2	46.21	0.28	--	0.054	8.35	0.131	1.45	26.73	2	82	290	<2	762	0.558	30
01/04/2022	320	1.4	0.092	270	1266	11	--	--	<2	46.64	0.28	--	0.046	8.02	0.046	1.3	23.7	4	78	300	<2	784	0.56	31
02/10/2022	280	1.4	0.187	265	1276	8	--	--	<2	38.91	0.29	--	0.04	8.46	0.108	0.8	19	8	78	240	<2	766	0.57	29
01/02/2023	100	1.8		274		10		3.1	<2	55.94	BDL	0.027	0.045	8.44				8	91	350	<2	762	0.56	22
01/04/2	28	2	0.0	21	13	8	60.	4.4	<2	72.	B	0.0	0.0	8.	0.0	0.	26.	6	85	45	<2	77	0.5	29

024	5		81	6	31		12			96	DL	22	47	11	38	15	6			0		2	6	
01/10/2024	410	2.3	0.084	176	1185	10	48.10	4.3	<2	53.50	-	0.049	0.095	7.84	0.092	0.10	84	8	65	340	<2	700	1.68	30

Location:-Borewell At Primary Health Center (PHC)

Date	ALK	BOD	BOR	CHL	CND	COD	COL	DOX	FCO	FLU	MAG	NH3	NIT	NTR	pH	PHO	POT	SOD	SS	SUP	T.H	TCO	TDS	TKN
01/04/2021	400	0.8	0.08	238	2096	10	--	--	<2	0.22	63.2	0.56	--	0.4	8.0	0.17	1.27	38.4	20	31	390	<2	1278	1.12
04/10/2021	280	2	0.093	260	1886	6	--	4.8	<2	0.54	70.53	0.28	--	0.07	8.34	0.097	2.18	40.13	2	122	430	<2	1146	0.558
01/04/2022	430	1.6	0.099	390	2155	8	--	--	<2	0.27	80.26	0.28	--	0.05	7.73	0.049	2.2	40.3	4	113	510	<2	1146	0.56
02/10/2022	400	1.5	0.145	425	2040	6	--	--	<2	0.25	58.37	0.29	--	0.050	8.33	0.090	1.2	31	12	122	370	<2	1224	0.57
01/04/2024	400	2.3	0.138	315	1940	12	80.16	4.3	<2	0.046	97.28	BDL	0.096	0.154	7.80	0.052	0.23	40.9	4	124	600	<2	1126	2.24
01/10/2024	615	2.1	0.122	273	1843	8	72.14	4.6	<2	0.254	85.12	-	0.097	0.176	7.48	0.0860	0.20	130	6	101	530	<2	1086	1.68

5. Bhadar

(A)

Progress/Status Report of the River/PRS water quality monitoring for the Month October -2024:

Sr. No.	Month/ Date	Location ID	Name of Location	Parameter					
				pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	Fecal coliform (MPN/ 100ml)	Total coliform (MPN/100 ml)
1	June-2021	31211	Dublipat	8.26	BDL	18	54.37	150	540
2	July-2021	31211	Dublipat	8.23	BDL	22	72	220	540

3	August-2021	31211	Dublipat	7.87	BDL	6	29.6	210	540
4	September-2021	31211	Dublipat	7.45	6	2.6	18.38	170	540
5	October-2021	31211	Dublipat	7.59	6.2	2.3	8	110	350
6	November-2021	31211	Dublipat	7.86	5.9	2.4	10.4	140	350
7	December-2021	31211	Dublipat	8.38	BDL	14	55	150	350
8	January-2022	31211	Dublipat	8.02	BDL	9	34	140	350
9	February-2022	31211	Dublipat	8.50	BDL	21	62	170	350
10	March-2022	31211	Dublipat	8.18	BDL	69	202	350	920
11	April-2022	31211	Dublipat	8.26	BDL	39	128	350	920
12	May-2022	31211	Dublipat	7.91	4.1	25.45	147	540	920
13	June-2022	31211	Dublipat	7.67	3.1	7.75	42.14	350	920
14	July-2022	31211	Dublipat	7.98	5.8	2.4	14.15	280	920
15	August-2022	31211	Dublipat	7.61	2.0	13	39.60	220	920
16	September-2022	31211	Dublipat	6.79	6.1	2.2	10.67	240	920
17	October-2022	31211	Dublipat	8.10	4.8	4.0	21.20	170	540
18	November-2022	31211	Dublipat	8.42	5.5	2.5	15.05	140	540
19	December-2022	31211	Dublipat	8.05	BDL	32	92	110	350
20	January-2023	31211	Dublipat	8.37	BDL	25	77	94	280
21	February-2023	31211	Dublipat	8.42	BDL	20	74	79	240
22	March-2023	31211	Dublipat	8.06	BDL	29	85	70	220
23	April-2023	31211	Dublipat	8.40	BDL	45	129	79	280

24	May-2023	31211	Dublipat	8.22	BDL	22.7	149	70	220
25	June-2023	31211	Dublipat	There was no flow observed in Bhadar river at the upstream of the said location					
26	July-2023	31211	Dublipat	7.18	6.2	2.2	14.01	13	49
27	August-2023	31211	Dublipat	7.54	6.5	2.1	8.91	6.8	21
28	September-2023	31211	Dublipat	5.5	7.17	5.8	26.71	22	4.5
29	October-2023	31211	Dublipat	7.59	2.5	14	47.39	14	47
30	November-2023	31211	Dublipat	8.14	5.5	7	27.52	33	140
31	December-2023	31211	Dublipat	7.54	2.7	12	41	34	170
32	January-2024	31211	Dublipat	8.09	BDL	28	115	70	170
33	February-2024	31211	Dublipat	7.94	BDL	25	78	49	140
34	March – 2024	31211	Dublipat	8.24	BDL	28	86	46	110
35	April – 2024	31211	Dublipat	8.18	BDL	27	83	140	39
36	May – 2024	31211	Dublipat	During inspection on dated 01/05/2024, at this sampling location there is no live flow observed in river Bhadar, only stagnant ponding is observed; hence, water sample from this location could not be collected.					
37	June – 2024	31211	Dublipat	During inspection on dated 01/06/2024, at this sampling location there is no live flow observed in river Bhadar, only stagnant ponding is observed; hence, water sample from this location could not be collected.					
38	July – 2024	31211	Dublipat	8.10	6.5	1.9	17	<1.8	<1.8
39	August – 2024	31211	Dublipat	8.22	6.4	2.1	18.36	14	47
40	Sept – 2024	31211	Dublipat	7.48	6.5	2.0	17.0	< 1.8	2
41	Oct – 2024	31211	Dublipat	7.52	6.4	2.3	19.55	17	47

(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	01/10/2024	0.9	8.78	880	7.40

(C)

Drains Details with Flow:

Sr. No.	Location (Latitude and longitude)	Discharge (MLD)	
		Max	Min
1	Opp. Bhadar Stone Crusher	1.5	0.2
2	Sarang Nallah	00	00
3	Behind Gondra area	02	01
4	Behind Kabrastan	1.5	0.5
5	Near railway bridge	00	00
6	Maghedi Vokda	00	00

(D)

STP & CETP results.

Sr. No.	Name of STP/CETP	Discharge Norms		October-2024 Results	
1	CETP of Jetpur Dyeing & Printing Association (PCB ID-19722)	DO (mg/l)	--	DO (mg/l)	--
		pH	6.5 to 9	pH	8.45
		BOD (mg/l)	100	BOD (mg/l)	65
		COD (mg/l)	250	COD (mg/l)	193
		Total coliform (MPN/ 100ml)	-	Total coliform (MPN/ 100ml)	--
		Fecal coliform (MPN/100 ml)	-	Fecal coliform (MPN/100 ml)	--

<table>
<tr>
<td>2</td>
<td>CETP of Shri Dhareshwar GIDC Vistar Assocation (PCB ID-20111)</td>
<td>
<table>
<tr><td>DO (mg/l)</td><td>--</td></tr>
<tr><td>pH</td><td>6.5 to 9</td></tr>
<tr><td>BOD (mg/l)</td><td>30</td></tr>
<tr><td>COD (mg/l)</td><td>100</td></tr>
<tr><td>Total coliform (MPN/ 100ml)</td><td>-</td></tr>
<tr><td>Fecal coliform (MPN/100 ml)</td><td>-</td></tr>
</table>
</td>
<td>CETP Dhareshwar has obtained permission regarding industrial units associated with CETP of Dhareshwar allowed for change in mode of disposal of wastewater from member industrial units located in GIDC Dhareshwar area in to CETP of JDPA vide letter dated 04/12/2023.</td>
</tr>
<tr>
<td>3</td>
<td>STP of Jetpur Dyeing and Printing Association (PCB ID-39298).</td>
<td>
<table>
<tr><td>DO (mg/l)</td><td>--</td></tr>
<tr><td>pH</td><td>6.5 to 9</td></tr>
<tr><td>BOD (mg/l)</td><td>100</td></tr>
<tr><td>COD (mg/l)</td><td>250</td></tr>
<tr><td>Total coliform (MPN/ 100ml)</td><td>--</td></tr>
<tr><td>Fecal coliform (MPN/100 ml)</td><td>--</td></tr>
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</td>
<td>
<table>
<tr><td>DO (mg/l)</td><td>--</td></tr>
<tr><td>pH</td><td>8.48</td></tr>
<tr><td>BOD (mg/l)</td><td>68</td></tr>
<tr><td>COD (mg/l)</td><td>207</td></tr>
<tr><td>Total coliform (MPN/ 100ml)</td><td>280</td></tr>
<tr><td>Fecal coliform (MPN/100 ml)</td><td>94</td></tr>
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</table>

6. Bhogavo

(A)

Progress/Status Report of the River/PRS water quality monitoring for the Month October-2024:

Sr. No.	Month/ Date	Location ID	Name of Location	Parameter					
				pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	Fecal coliform (MPN/ 100ml)	Total coliform (MPN/100 ml)
1	June-2021	29538	D/S of Surendranagar City, Near Wadhvan Bridge	8.38	1.5	6	26.04	43	94
2	July-2021	29538	As above	7.86	2.5	3.8	18.28	43	120
3	August-2021	29538	As above	8.21	4.0	2.6	13.2	43	140
4	September-2021	29538	As above	7.73	3.5	1.4	14.4	38	110
5	October-2021	29538	As above	7.56	5.8	2.1	10	20	63
6	November-2021	29538	As above	7.87	5.6	2.2	11.44	26	70
7	December-2021	29538	As above	7.81	5.9	1.75	11.6	23	79
8	January-2022	29538	As above	7.89	4.5	2.4	14.4	46	94
9	February-2022	29538	As above	7.88	6.4	2.2	9.94	49	110
10	March-2022	29538	As above	7.81	6.1	2.4	13.95	33	79
11	April-2022	29538	As above	8.11	4.0	1.3	17.40	46	NA
12	May-2022	29538	As above	8.13	3.8	1.71	25.2	46	120
13	June-2022	29538	As above	7.83	2.1	4.16	27.2	70	170

14	July-2022	29538	As above	7.83	5..2	2.7	17.40	110	280
15	August-2022	29538	As above	7.57	3.5	06	22	94	220
16	September-2022	29538	As above	8.48	6.1	2.3	13.84	79	170
17	October-2022	29538	As above	8.24	5.5	2.2	11.91	63	170
18	November-2022	29538	As above	8.08	5.9	2.3	10.73	49	140
19	December-2022	29538	As above	8.04	6.2	2.1	12.40	46	140
20	January-2023	29538	As above	8.02	5.6	4	18	49	130
21	February-2023	29538	As above	8.03	6.2	2.4	14.3	26	140
22	March-2023	29538	As above	7.60	6.0	2.3	17.96	32	140
23	April-2023	29538	As above	7.51	6.1	2.6	12.38	33	140
24	May-2023	29538	As above	7.42	5.6	2.85	23	46	170
25	June-2023	29538	As above	7.48	1.5	5	35	47	220
26	July-2023	29538	As above	7.54	5.8	2.8	19.59	26	110
27	August-2023	29538	As above	7.56	6.4	2.3	12.44	17	70
28	September-2023	29538	As above	7.37	6.4	2.0	14	13	79
29	October-2023	29538	As above	7.22	6.4	2.4	13.97	17	79
30	November-2023	29538	As above	7.11	6.2	2.3	13.99	17	79

31	December-2023	29538	As above	7.15	5.8	2.5	19.96	14	70
32	January-2024	29538	As above	7.41	6.5	2.2	10.81	22	70
33	February-2024	29538	As above	7.32	6.2	2.3	18.33	27	110
34	March – 2024	29538	As above	7.43	6.1	2.6	21.16	33	140
35	April-2024	29538	As above	7.53	5.4	4.0	18.35	27	110
36	May-2024	29538	As above	7.55	6.1	2.6	18.39	33	140
37	June- 2024	29538	As above	7.48	4.6	5.0	23	46	140
38	July- 2024	29538	As above	7.36	6.3	2.3	21.56	39	140
39	August- 2024	29538	As above	7.22	6.6	1.8	12.81	13	47
40	Sept- 2024	29538	As above	7.28	6.6	1.9	12.01	11	49
41	Oct- 2024	29538	As above	7.33	NA	1.8	11.96	14	47

(B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River (October -2024):

Location of sample collected	WATER PROJECT EMP PROGRAM BORE WELL WATER SAMPLE OF M/s BHAVANI PLASTIC GIDC WADHWAN – MONTHLY (29544)	
Sample ID	457507	
Date of sample collection	01/10/2024	
Parameter	**Unit**	**Result**
Arsenic	mg/l	In process
BOD	mg/l	0.9
COD	mg/l	10.36

Copper	mg/l	In process
pH	pH units	7.39
TDS	mg/l	3164
Iron	mg/l	In process
Lead	mg/l	In process
Mercury	Ppb	In process
Nickel	mg/l	In process
Zinc	mg/l	In process

(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

(D)

STP & CETP results

Not Applicable

7. Damanganga

(A)

Progress/Status Report of the River/PRS water quality monitoring for the Month October -2024:

Sr. No.	Month/ Date	Location ID	Name of Location	Parameter					
				pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	Fecal coliform (MPN/ 100ml)	Total coliform (MPN/100 ml)
1	June-2021		GIDC Vapi Weir	7.88	6.80	0.7	9	12	47
			Zari Causeway Kachigam	7.74	5.10	2.2	22	1600	>1600
			Village Namdha	7.79	5.20	1.9	23	49	150
2	July-2021		GIDC Vapi Weir	7.93	7.0	0.7	9	11	46
			Zari Causeway Kachigam	7.96	5.30	1.9	20	920	1600
			Village Namdha	7.97	5.40	1.7	20	45	140
3	August-2021		GIDC Vapi Weir	7.81	7.10	0.7	8.0	8.1	31.0
			Zari Causeway Kachigam	7.95	6.50	0.8	11.0	79.0	240.0
			Village Namdha	7.92	6.60	0.9	14.0	27.0	94.0
4	September-2021		GIDC Vapi Weir	7.80	7.20	0.6	7.0	9.3	27.0
			Zari Causeway Kachigam	7.74	6.80	0.7	8.0	38.0	94.0
			Village	7.77	6.80	0.6	7.0	14.0	49.0

			Namdha						
5	October-2021		GIDC Vapi Weir	7.60	6.80	0.7	8.0	10.0	26.0
			Zari Causeway Kachigam	7.25	6.10	0.9	10.0	39.0	110.0
			Village Namdha	7.53	6.30	0.8	9.0	13.0	47.0
6	November-2021		GIDC Vapi Weir	7.89	6.70	0.7	8.0	12.0	38.0
			Zari Causeway Kachigam	7.93	5.90	1.1	12	540.0	1600.0
			Village Namdha	7.94	6.20	0.9	11.0	31.0	94.0
7	December-2021		GIDC Vapi Weir	7.99	6.80	0.7	8.0	13.0	39.0
			Zari Causeway Kachigam	7.38	5.70	1.2	13.0	540.0	1600.0
			Village Namdha	7.40	5.90	1.0	12.0	41.0	120.0
8	January-2022		GIDC Vapi Weir	7.73	6.70	0.7	8.0	13	40
			Zari Causeway Kachigam	7.48	5.20	1.6	21.0	920	1600
			Village Namdha	7.55	5.40	1.4	20.0	49	150
9	February-2022		GIDC Vapi Weir	7.95	6.80	0.7	8	12	41
			Zari Causeway Kachigam	7.73	5.40	1.5	20	920	>1600
			Village Namdha	7.88	5.40	1.5	21	46	140
10	March-2022		GIDC Vapi	7.91	6.90	0.7	8.0	13	43

			Weir						
			Zari Causeway Kachigam	7.93	5.20	1.7	21.0	1600	>1600
			Village Namdha	7.60	5.30	1.5	18.0	49	170
11	April-2022		GIDC Vapi Weir	7.91	6.90	0.7	8.0	13.0	43.0
			Zari Causeway Kachigam	7.93	5.20	1.7	21.0	1600.0	>1600.0
			Village Namdha	7.60	5.30	1.5	18.0	49.0	170.0
12	May-2022		GIDC Vapi Weir	8.18	6.90	0.8	10.0	13	43
			Zari Causeway Kachigam	7.81	4.70	2.6	26.0	1600	>1600
			Village Namdha	7.86	4.90	2.0	24.0	84	280
13	June-2022		GIDC Vapi Weir	8.01	6.80	0.8	9.0	14	46
			Zari Causeway Kachigam	7.55	4.40	2.2	24.0	920	1600
			Village Namdha	7.93	4.80	2.0	22.0	94	350
14	July-2022		GIDC Vapi Weir	7.60	7.10	0.6	7.0	12	41
			Zari Causeway Kachigam	7.62	5.60	1.4	15.0	79	220
			Village Namdha	7.49	5.70	1.3	17.0	49	140
15	August-2022		GIDC Vapi Weir	7.63	7.0	0.6	7.0	11	32
			Zari Causeway	7.64	5.60	1.3	14.0	94	350

			Kachigam						
			Village Namdha	7.59	5.70	1.2	15.0	39	120
16	September-2022		GIDC Vapi Weir	7.74	6.0	0.6	7.0	10	26
			Zari Causeway Kachigam	7.80	6.8	1.4	16	94	220
			Village Namdha	7.63	6.8	1.5	15	40	150
17	October-2022		GIDC Vapi Weir	7.97	7.2	0.8	8	24	84
			Zari Causeway Kachigam	7.92	6.4	1.5	15	<1.8	350
			Village Namdha	8	6.2	1.8	14	12	1600
18	November-2022		GIDC Vapi Weir	7.97	6.0	0.9	8	11	210
			Zari Causeway Kachigam	7.72	5.3	1.3	11	6	430
			Village Namdha	7.75	6.1	1.1	10	9	>1600
19	December-2022		GIDC Vapi Weir	7.51	6.9	0.8	7	6.8	350
			Zari Causeway Kachigam	7.44	6.0	0.9	14	4.5	>1600
			Village Namdha	7.41	6.0	1.2	12	12	>1600
20	January-2023		GIDC Vapi Weir	7.99	7.1	0.7	8	17	63
			Zari Causeway Kachigam	7.8	5.6	0.8	15	540	1600
			Village	7.84	6.3	1.1	13	47	170

			Namdha						
21	February-2023		GIDC Vapi Weir	7.76	6.9	0.8	7	7.8	540
			Zari Causeway Kachigam	7.43	5.8	2.0	16	7.8	540
			Village Namdha	7.62	5.7	1.5	14	49	220
22	March-2023		GIDC Vapi Weir	8.18	6.7	0.8	7	9.3	350
			Zari Causeway Kachigam	7.59	4.0	1.8	18	15	1600
			Village Namdha	7.76	4.0	1.4	14	7.8	280
23	April-2023		GIDC Vapi Weir	7.81	6.3	0.7	9	<1.8	540
			Zari Causeway Kachigam	7.89	4.5	2.0	19	4.5	1600
			Village Namdha	7.80	4.6	1.9	17	2	1600
24	May-2023		GIDC Vapi Weir	8.01	7.2	0.8	9	2	920
			Zari Causeway Kachigam	8.07	5	1.8	18	120	1600
			Village Namdha	8.16	4.9	1.6	16	1.8	1600
25	June-2023		GIDC Vapi Weir	7.99	6	0.8	8	1.8	540
			Zari Causeway Kachigam	7.59	4.8	2.2	19	3.6	1600
			Village Namdha	7.69	5.5	1.8	17	2.0	1600
26	July-2023		GIDC Vapi	7.75	7.3	0.7	7	21	920

			Weir						
			Zari Causeway Kachigam	7.66	7.1	0.9	14	13	350
			Village Namdha	7.22	7.1	0.9	12	11	280
27	August-2023		GIDC Vapi Weir	7.81	6.7	0.8	7.0	7.8	430
			Zari Causeway Kachigam	7.71	6.0	1.3	9.0	15	1600
			Village Namdha	7.7	5.7	1.4	9	6.1	920
28	September-2023		GIDC Vapi Weir	7.81	6.8	0.7	7.0	11	350
			Zari Causeway Kachigam	7.59	5.2	1.6	17.0	13	1600
			Village Namdha	7.77	6.0	1.2	16	12	430
29	October-2023		GIDC Vapi Weir	7.82	6.8	0.7	8	15	430
			Zari Causeway Kachigam	7.62	6.4	0.9	12	21	920
			Village Namdha	7.45	6.4	0.8	12	17	430
30	November-2023		GIDC Vapi Weir	7.98	6.9	0.7	10	11	280
			Zari Causeway Kachigam	7.49	6.4	1.0	20	38	920
			Village Namdha	7.46	5.8	3.0	27	32	540
31	December-2023		GIDC Vapi Weir	7.87	6.7	0.7	10	12	240
			Zari Causeway	7.35	5.8	1.1	17	46	1600

			Kachigam						
			Village Namdha	7.28	5.6	1.3	16	34	920
32	January-2024		GIDC Vapi Weir	7.89	6.8	0.6	11	22	240
			Zari Causeway Kachigam	7.67	5.4	1.2	18	63	1600
			Village Namdha	7.63	6.0	1.2	19	48	920
33	February - 2024		GIDC Vapi Weir	7.85	6.9	0.7	10	21	220
			Zari Causeway Kachigam	7.35	5.7	1.1	19	79	1840
			Village Namdha	7.47	5.0	1.7	22	38	540
34	March - 2024		GIDC Vapi Weir	7.94	7.0	0.8	11	24	240
			Zari Causeway Kachigam	7.77	6.0	1.0	17	94	1840
			Village Namdha	7.80	5.7	1.4	26	58	920
35	April - 2024		GIDC Vapi Weir	7.78	6.9	0.9	9	17	210
			Zari Causeway Kachigam	7.21	5.9	1.4	24	43	920
			Village Namdha	7.25	5.7	1.6	28	33	540
36	May - 2024		GIDC Vapi Weir	7.92	6.8	0.8	9	34	350

			Zari Causeway Kachigam	7.54	6.3	1.2	19	84	1600
			Village Namdha	7.28	6.2	1.2	20	63	920
37	June - 2024		GIDC Vapi Weir	7.96	6.9	1.0	10	32	280
			Zari Causeway Kachigam	7.59	6.2	1.5	35	94	1840
			Village Namdha	7.54	6.1	1.6	39	84	1600
38	July - 2024		GIDC Vapi Weir	7.45	7.1	0.8	8	21	240
			Zari Causeway Kachigam	7.89	7.0	1.0	10	34	540
			Village Namdha	7.80	7.0	1.1	13	31	430
39	Aug - 2024		GIDC Vapi Weir	7.89	7.0	0.9	10	17	210
			Zari Causeway Kachigam	7.99	6.9	1.2	16	21	350
			Village Namdha	7.88	6.9	1.3	20	17	280
40	Sep-2024		GIDC Vapi Weir	7.81	7.0	0.8	9	17	220
			Zari Causeway Kachigam	8.03	6.8	1.2	14	20	280
			Village Namdha	7.98	6.9	1.3	16	17	240

41	Oct-2024		GIDC Vapi Weir	7.92	7.1	0.7	10	14	170
			Zari Causeway Kachigam	7.98	6.9	1.3	19	17	240
			Village Namdha	8.01	6.8	1.3	27	15	220

(B)
STP Results

Date	Location	SS (mg/l)	pH	BOD (mg/l)
-	From Final outlet of STP - 1 Of Vapi Municipality (14 MLD)	-	-	-

There is no any Existing STP at present

(C)
Drain details with flow

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

(D)
CETPs Results

CETP, Vapi (VGEL Vapi):

Samp.Dt.	Type	BOD(mg/l)		COD(mg/l)		NH3(mg/l)		pH		SS(mg/l)	
		Inlet	Outlet	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet
22/10/2024	ROU	240	24	984	191	54.88	16.8	8.26	7.07	396	54
Standards			**30**		**250**		**50**		**6.5-8.5**		**100**

(E)
Progress/Status Report of the River/PRS ground water quality monitoring October– 2024

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)	SS (mg/l)	Iron (mg/l)	Lead (mg/l)	Nickel (mg/l)
03/10/2024	Borewell at JillaPanchayat School, KantaFaliya, Village Namdha	5.7	7.72	0.7	9	<1.8	<1.8	8	BDL	BDL	BDL

Zinc (mg/l)	Manganese (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Hexavalent Chromium (mg/l)	Total Chromium (mg/l)	Percent Sodium	NH3 (mg/l)	Total KejeldahlNirtogen (mg/l)	TDS (mg/l)	Conductivity (micromho/cm)
0.023	BDL	0.007	0.24	BDL	0.031		0.28	0.84	452	821

8. Dhadhar

(A)

Progress/Status Report of the River/PRS water quality monitoring for the Month October -2024:

Sr. No.	Month/ Date	Location ID	Name of Location	Parameter						
				pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	Fecal coliform (MPN/ 100ml)	Total coliform (MPN/100 ml)	Faecal Streptococci 100 MPN/ 100 ml
1	June-2021	1865	Kothwada	7.67	0.9	16	69	>1600	>1600	
			Pingalwada	7.71	6.5	4.1	54	17	280	
2	July-2021	1865	Kothwada	7.75	0.9	9	44	>1600	>1600	>1600
			Pingalwada	7.85	5.1	3.7	13	14	94	10
3	August-2021	1865	Kothwada	7.73	0.9	6	31	350	>1600	350
			Pingalwada	7.8	5.6	2.7	8	130	1600	130
4	September-2021	1865	Kothwada	7.87	2.2	7	36	>1600	>1600	240
			Pingalwada	8.33	5.9	3.4	13	540	920	70
5	October-2021	1865	Kothwada	8.17	2.5	1.9	19	>1600	>1600	170
			Pingalwada	8.43	6.0	2.1	23	920	1600	49
6	November-2021	1865	Kothwada	7.61	0	9	54	>1600	>1600	110
			Pingalwada	8.03	7.7	1.7	5	920	1600	21
7	December-2021	1865	Kothwada	7.85	1.5	09	10	>1600	>1600	33
			Pingalwada	7.77	3.2	1.4	15	540	920	6.8
8	January-2022	1865	Kothwada	8.01	0.6	10	47	>1600	>1600	27
			Pingalwada	8.29	7.5	1.2	16	350	540	6.8
9	February-2022	1865	Kothwada	7.55	0.5	11	49	>1600	>1600	21
			Pingalwada	7.93	7.8	0.8	9	240	350	<1.8
10	March-2022	1865	Kothwada	8.05	1.9	12	51	>1600	>1600	17

			Pingalwada	8.01	7.1	0.8	10	270	350	<1.8
11	April-2022	1865	Kothwada	8.04	0.8	8	39	>1600	>1600	11
			Pingalwada	8.25	7.5	0.9	17	540	920	<1.8
12	May-2022	1865	Kothwada	8.26	0	13	64	>1600	>1600	11
			Pingalwada	8.52	6.08	0.9	30	>1600	>1600	<2
13	June-2022	1865	Kothwada	8.40	0.0	21	90	>1600	>1600	6.8
			Pingalwada	8.64	BDL	21	81	110	220	<1.8
14	July-2022	1865	Kothwada	7.56	3.2	20	79	540	9.74	<1.8
			Pingalwada	7.91	5.0	2.9	24	110	240	<1.8
15	August-2022	1865	Kothwada	7.7	1.8	7	48	210	920	<1.8
			Pingalwada	7.86	7.20	0.80	24	120	540	<1.8
16	September-2022	1865	Kothwada	8.01	3.5	3	34	920	1600	<1.8
			Pingalwada	8.38	6.9	1.2	19	240	350	<1.8
17	October -2022	1865	Kothwada	8.02	6.0	0.9	22	>1600	>1600	<1.8
			Pingalwada	8.46	6.7	0.9	18	240	350	<1.8
18	November-2022	1865	Kothwada	8.18	5.9	3.7	20	>1600	>1600	11
			Pingalwada	8.28	6.3	0.9	16	>1600	>1600	6.8
19	December-2022	1865	Kothwada	8.4	3.5	2.7	17	1600	>1600	6.8
			Pingalwada	8.49	6.8	0.8	10	240	300	4
20	January-2023	1865	Kothwada	8.48	4.3	1.8	16	500	900	4
			Pingalwada	8.48	7.3	0.8	9	140	350	<1.8
21	February-2023	1865	Kothwada	8.19	1.2	3.8	24	>1600	>1600	350
			Pingalwada	8.40	5.1	1.1	8	>1600	>1600	350
22	March-2023	1865	Kothwada	7.56	1	7.0	40	>1600	>1600	540
			Pingalwada	8.15	7.4	1.2	11	900	>1600	540
23	April-2023	1865	Kothwada	7.79	1	5	39	>1600	>1600	540

			Pingalwada	7.99	6.2	1.16	15	900	>1600	350
24	May-2023	1865	Kothwada (70867)	7.86	1.4	3.4	25	>1600	>1600	920
			Pingalwada (70100)	8.05	6.2	1.12	9	1600	>1600	540
25	June-2023	1865	Kothwada (70867)	7.76	0.7	6	35	>1600	>1600	540
			Pingalwada (70100)	8.34	5.7	0.56	12	1600	>1600	350
26	July-2023	1865	Kothwada (70867)	8.93	1.9	6	35	>1600	>1600	>1600
			Pingalwada (70100)	7.94	6.4	1.1	13	900	>1600	920
27	August-2023	1865	Kothwada (70867)	7.86	2.8	5.0	42	>1600	>1600	>1600
			Pingalwada (70100)	7.77	6.8	1.3	10	>1600	>1600	540
28	September-2023	1865	Kothwada (70867)	7.91	1.4	9	45	>1600	>1600	920
			Pingalwada (70100)	8.34	5.8	1.3	9	900	1600	540
29	October-2023	1865	Kothwada (70867)	7.98	1.5	8.0	46	>1600	>1600	920
			Pingalwada (70100)	8.09	6.6	1.4	8	900	>1600	350
30	November-2023	1865	Kothwada (70867)	8.11	1.4	6	35	>1600	>1600	>1600
			Pingalwada (70100)	8.09	6.6	1.4	8	900	>1600	920
31	December-	1865	Kothwada (70867)	7.61	1.5	< 5	20	>1600	>1600	>1600

	2023		Pingalwada (70100)	7.98	6.7	1.5	10	1600	>1600	>1600
32	January-2024	1865	Kothwada (70867)	8.26	0.23	8.0	43	>1600	>1600	>1600
			Pingalwada (70100)	8.39	5.96	1.74	10	>1600	>1600	>1600
33	February-2024	1865	Kothwada (70867)	7.91	0.12	6.0	30	>1600	>1600	>1600
			Pingalwada (70100)	8.19	5.17	1.79	8	>1600	>1600	>1600
34	Mar-2024	1865	Kothwada (70867)	7.81	1.24	5.0	27	>1600	>1600	>1600
			Pingalwada (70100)	8.16	5.24	1.22	9	>1600	>1600	>1600
35	April -2024	1865	Kothwada (70867)	7.91	0.49	7.0	32	>1600	>1600	>1600
			Pingalwada (70100)	8.26	6.11	1.45	8	>1600	>1600	>1600
36	May – 2024	1865	Kothwada (70867)	8.36	1.06	6.0	35	>1600	>1600	>1600
			Pingalwada (70100)	8.39	6.92	1.53	9	>1600	>1600	>1600
37	June-2024	1865	Kothwada (70867)	8.48	1.2	6	35	>1600	>1600	>1600
			Pingalwada (70100)	8.44	7	1.34	9	>1600	>1600	>1600
38	July-2024	1865	Kothwada (70867)	7.31	0.93	6	28	>1600	>1600	>1600
			Pingalwada (70100)	7.69	5.18	1.34	8	>1600	>1600	>1600
39	Aug-2024	1865	Kothwada (70867)	8.11	6.72	1.39	40	>1600	>1600	>1600
			Pingalwada (70100)	8.07	6.38	1.34	10	300	>1600	>1600

40	Sept-2024	1865	Kothwada (70867)	7.84	6.54	0.91	32	>1600	>1600	>1600
			Pingalwada (70100)	7.87	6.40	0.91	11	240	>1600	>1600
41	Oct-2024	1865	Kothwada (70867)	8.09	2.97	6.0	36	>1600	>1600	>1600
			Pingalwada (70100)	8.15	5.71	1.22	10	>1600	>1600	>1600

(B)

STPs Results

Oct-2024					
Name of STP	**pH**	**COD mg/L**	**BOD mg/L**	**TC (MPN/100 ml)**	**FC (MPN/100 ml)**
STP at Tarsali – Capacity : 52 MLD (21704)	8.51	44	8	46	4
STP at Gajarawadi – Capacity : 66 MLD (22903)	8.25	79	16	>1600	>1600
STP at Sayaji Garden – Capacity : 16 MLD (17990)	8.41	47	9	27	4
STP at Kapurai – Capacity : 43 MLD (14425)	8.16	61	11	350	70
STP at Rajivnagar – Capacity : 78 MLD (46800)	8.42	34	5	70	12
STP at Chhani – Capacity : 21 MLD (26341)	8.22	83	16	>1600	>1600
STP at Atladara – I (Old STP at Atladra) – Capacity : 43 MLD (16488)	8.27	76	16	>1600	>1600
STPat Ataladara – II (New STP at Atladra) – Capacity : 43 MLD (22938)	8.36	82	18	>1600	>1600
Kapurai –New – Capacity : 60 MLD (63792)	8.29	40	7	>1600	>1600

STP at Chhani New- Capacity : 60 MLD (77826)	8.48	34	6	240	26
STP at Bhayli – Capacity : 45 MLS (77230)	8.50	35	6	70	11
Vadodara Municipal Corporation (13 MLD Vemali STP) (87708)	8.60	31	5	13	<1.8
Vadodara Municipal Corporation (84 MLD NEW STP ATLADARA) (92146)	8.46	39	7	>1600	>1600

(C)
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

(D)
CETPs Details
Not Applicable

(E)

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
457698-03/10/2024	Borewell At Por GIDC Office (70869)	8.06	8	0.91	1012

9. Khari

(A)

Progress/Status Report of the River/PRS water quality monitoring for the Month October – 2024:

Sr. No.	Month/ Date	Location ID	Name of Location	Parameter					
				pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	Fecal coliform (MPN/ 100ml)	Total coliform (MPN/100 ml)
1	June-2021	13401	Lali village	7.81	BDL	37	254	>1600	>1600
2	July-2021	13401	Lali village	7.15	BDL	91	388	>1600	>1600
3	August-2021	13401	Lali village	Sample results yet not freezed					
4	September-2021	13401	Lali village	7.39	1.91	17	69	540	920
5	October-2021	13401	Lali village	8.11	BDL	72	296	>1600	>1600
6	November-2021	13401	Lali village	7.19	BDL	26	132	>1600	>1600
7	December-2021	13401	Lali village	7.96	BDL	33	131	>1600	>1600
8	January-2022	13401	Lali village	7.11	BDL	55	183	>1600	>1600
9	February-2022	13401	Lali village	7.30	BDL	56	200	>1600	>1600
10	March-2022	13401	Lali village	7.95	BDL	13	50	920	1600
11	April-2022	13401	Lali village	7.15	BDL	38	133	>1600	>1600
12	May-2022	13401	Lali village	7.78	BDL	28	118	>1600	>1600
13	June-2022	13401	Lali village	7.35	BDL	40	162	>1600	>1600
14	July-2022	13401	Lali village	7.25	BDL	54	178	>1600	>1600
15	August-2022	13401	Lali village	7.36	0.34	24	96	>1600	>1600
16	September-2022	13401	Lali village	7.22	BDL	21	46	>1600	>1600
17	October-2022	13401	Lali village	7.23	2.91	9	34	>1600	>1600
18	November-2022	13401	Lali village	7.33	0.62	29	110	>1600	>1600
19	December-2022	13401	Lali village	7.21	BDL	52	195	>1600	>1600

20	January-2023	13401	Lali village	7.18	BDL	21	85	>1600	>1600
21	February-2023	13401	Lali village	7.37	0.87	26	95	>1600	>1600
22	March-2023	13401	Lali village	7.41	BDL	26	87	>1600	>1600
23	April-2023	13401	Lali village	7.40	BDL	29	89	>1600	>1600
24	May-2023	13401	Lali village	7.47	BDL	37	181	>1600	>1600
25	June-2023	13401	Lali village	7.48	1.56	11	46	>1600	>1600
26	July-2023	13401	Lali village	7.39	BDL	27	94	>1600	>1600
27	August-2023	13401	Lali village	7.35	BDL	19	77	>1600	>1600
28	September-2023	13401	Lali village	7.31	BDL	19	74	>1600	>1600
29	October-2023	13401	Lali village	7.58	BDL	68	243	>1600	>1600
30	November-2023	13401	Lali village	7.44	BDL	42	164	>1600	>1600
31	December-2023	13401	Lali village	7.44	0.72	41	221	>1600	>1600
32	January-2024	13401	Lali village	7.55	2.00	19	89	>1600	>1600
33	February-2024	13401	Lali village	7.30	0.80	13	64	>1600	>1600
34	March-2024	13401	Lali village	7.35	0.24	46	226	>1600	>1600
35	April – 2024	13401	Lali village	7.53	BDL	32	101	>1600	>1600
36	May – 2024	13401	Lali village	7.30	BDL	19	68	>1600	>1600
37	June-2024	13401	Lali village	7.43	0.23	24	84	>1600	>1600
38	July -2024	13401	Lali village	7.00	1.00	17	73	>1600	>1600
39	August-2024	13401	Lali village	6.80	1.00	22	64	>1600	>1600
40	September-2024	13401	Lali village	7.04	1.95	7	27	>1600	>1600

41	October-2024	13401	Lali village	7.58	BDL	32	104	>1600	>1600

(B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River for October - 2024:

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	7.82	0.78	9	BDL	0.07	BDL	BDL	BDL	BDL	BDL

(C)

Drains Details with Flow: 21913

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

(D)

STP & CETP results:

Vinzol STP (70MLD) (21913) 70MLD October -2024

Location of sample collection	Discharge norms	Analysis Results
Final out let of STP Dtd.	Ph-6.5 to 8.5	7.62
	BOD- Less than 20mg/L	19
	SS- Less than 30mg/L	34
	Total coliform(TC)- < 1000 MPN/100 ml	---

	Fecal coliform(FC)- < 1000 MPN/100 ml	<1600
	Residual Chlorine-0.5mh/L	BDL

Vinzol STP (35MLD) (55839) October -2024

Location of sample collection	Discharge norms	Analysis Results
Final out let of STP Dtd.	Ph-6.5 to 8.5	7.47
	BOD- Less than 20mg/L	12
	SS- Less than 30mg/L	12
	Total coliform(TC)- < 1000 MPN/100 ml	--
	Fecal coliform(FC)- < 1000 MPN/100 ml	120
	Residual Chlorine-0.5mh/L	--

Vinzol STP (100MLD) (35932) October-2024

Location of sample collection	Discharge norms	Analysis Results
Final out let of STP Dtd.	Ph-6.5 to 8.5	7.39
	BOD- Less than 20mg/L	7
	SS- Less than 30mg/L	16
	Total coliform(TC)- < 1000 MPN/100 ml	--
	Fecal coliform(FC)- < 1000 MPN/100 ml	220
	Residual Chlorine-0.5mh/L	---

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

10. Kim

(A)

Progress/Status Report of the River/PRS water quality monitoring for the Month October – 2024:

Sr. No.	Month/ Date	Location ID	Name of Location	Parameter					
				pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	Fecal coliform(MPN/ 100ml)	Total coliform (MPN/100 ml)
1	June-2021		Sahol Bridge	8.38	6.3	2.3	17	27	84
2	July-2021		Sahol Bridge	7.78	5.2	1.8	15	22	94
3	August-2021		Sahol Bridge	7.5	5.4	2.1	16	17	84
4	September-2021		Sahol Bridge	7.68	5.7	2.6	18	31	70
5	October-2021		Sahol Bridge	7.78	5.8	2	12	24	94
6	November-2021		Sahol Bridge	8.04	5.3	2.3	14	25	84
7	December-2021		Sahol Bridge	7.5	5.6	2.7	15	17	63
8	January-2022		Sahol Bridge	8.06	6	2.1	15	14	34
9	February-2022		Sahol Bridge	7.86	5.9	2.9	20	17	58
10	March-2022		Sahol Bridge	8.04	6	2.8	17	21	48
11	April-2022		Sahol Bridge	7.78	6.9	2.4	16	10	31
12	May-2022		Sahol Bridge	7.8	6	2.3	12	10	32
13	June-2022		Sahol Bridge	8.09	6.4	2.5	14	12	33
14	July-2022		Sahol Bridge	7.9	6.5	2.2	10	6	27
15	August-2022		Sahol Bridge	8.63	6.9	1.9	12	10	33
16	September-		Sahol Bridge	7.8	6.9	1.8	16	17	38

	2022								
17	October-2022		Sahol Bridge	7.73	6.6	2	7	14	27
18	November-2022		Sahol Bridge	8.37	6.2	1.9	14	4	26
19	December-2022		Sahol Bridge	7.93	5.4	1.9	16	4	21
20	January-2023		Sahol Bridge	7.83	5.0	2.6	13	13	48
21	February-2023		Sahol Bridge	8.48	6.8	1.9	14	11	39
22	March-2023		Sahol Bridge	7.75	6.4	2	14	10	34
23	April-2023		Sahol Bridge	8.3	7.1	1.5	14	34	140
24	May-2023		Sahol Bridge	8.25	6.2	2.8	14	10	43
25	June-2023		Sahol Bridge	8.40	6.9	2.0	18	10	31
26	July-2023		Sahol Bridge	8.16	7	2	12	12	48
27	August-2023		Sahol Bridge	7.22	7.0	1.9	10	6	32
28	September		Sahol Bridge	6.99	7.0	2.4	14	6	17
29	October-2023		Sahol Bridge	8.3	6.8	2.6	9	13	43
30	November-2023		Sahol Bridge	6.82	5.8	2.1	15	23	47
31	December-2023		Sahol Bridge	7.62	5.6	2.1	13	12	48
32	January-2024		Sahol Bridge	7.20	5.3	1.6	16	10	33
33	Fabruary-2024		Sahol Bridge	7.26	6.0	2.3	15	6	32
34	March-2024		Sahol Brideg	8.31	5.3	2.6	15	10	31
35	April - 2024		Sahol Brideg	8.33	6.3	2.4	17	14	48
36	May - 2024		Sahol Brideg	8.33	6.5	2.2	16	<1.8	20
37	June-2024		Sahol Brideg	8.47	6	2.9	18	14	48
38	July-2024		Sahol Brideg	7.72	6.6	1.9	16	6	37

39	August-2024		Sahol Bridge	7.81	6.1	2.2	12	13	21
40	Sept-2024		Sahol Bridge	7.91	7.3	1.2	10	17	43
41	October-2024		Sahol Bridge	7.79	6.9	1.7	11	14	48

(B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River for October - 2024:

Location:- BOREWELL AT GARG TEX-O FEB PVT.LTD OLPAD

Date	% NA	ALK	BOD	CAL	COD	CND	DOX	FLU	MAG	NH3	NIT	NTR	pH	PHO	POT	SOD	SS	SUP	T. H	TCO	TDS	TKN	TMP	TUR
01/04/2021	31.79	190	0.8	164.33	17	14110	3.8	0.219	192.13	1.12	0.028	0.57	7.82	0.104	8.6	258	12	104	1200	42	8606	2.24	28	4
01/10/2021	31.9	230	2.9	188.4	24	13790	3.9	0.59	214.02	0.28	0.022	0.057	7.42	0.104	15.93	293.45	2	903	1350	<2	8384	0.558	30	BDL
02/04/2022	31.47	490	1.5	244.49	16	14190	--	0.26	155.65	0.28	--	0.58	7.46	0.043	3.9	73.4	6	282	630	<2	2860	1.68	30	BDL
01/10/2022	14.07	3040	1.5	392.8	6	14510	--	0.28	466.9	0.29	--	0.484	7.55	0.097	8.7	218	86	870	2900	<2	8706	1.14	28	BDL
02/02/2023		100	0.3	256.51	20	--	3.1	0.26	306.4	0.28	0.043	0.074	7.98	--	---	--	12	1070	1900	<2	8882	1.12	25	---
04/04/2024	--	910	2.7	160.3	16	4960	3.2	0.076	194.56	--	0.028	0.068	8.44	0.04	0.50	140	6	316	1200	<2	2876	0.56	27	1
03/10/2024	-	370	<5	76.15	15	13270	1.8	0.2180	206.72	-	0.037	0.066	7.07	0.111	95	2080	86	4260	1040	<2	8688	0.56	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**
01/04/2021	320	0.6	0.09	737	3867	10	<5	4	<2	0.28	94.9	0.6	0.03	0.68	7.89	0.14	2.4	70.8	4	29	590	<2	2358	2.24	29	2
01/10/2021	319	2.7	0.085	530	3771	9	<5	4.3	<2	0.7	99.71	0.28	0.02	0.072	7.65	0.130	4.36	80.25	2	247	620	<2	2292	0.558	30	BDL
02/04/2022	500	1.4	0.093	970	3920	9	--	--	<2	0.36	99.71	0.28	--	0.58	7.46	0.043	3.9	73.4	6	282	630	<2	2860	1.68	30	BDL
01/10/2022	420	1.4	0.151	830	3966	7	--	--	<2	0.39	85.12	0.29	--	0.512	7.84	0.097	2.4	59	24	238	520	<2	2380	1.14	29	1
02/02/2023	100	0.3		861		8		2.8	<2	0.28	94.85	0.28	0.03	0.056	8.16				10	287	590	<2	2390	0.56	25	
04/04/2024	740	2.2	0.087	575	3541	9	128.3	4.2	<2	0.097	153.22	--	0.042	0.086	7.96	0.044	0.41	88.4	4	226	950	<2	2054	1.12	30	1
03/10/2024	390	2.1	0.100	523	3515	9	72.14	4.4	<2	0.218	89.98	-	0.047	0.088	7.06	0.086	0.40	130	8	193	550	<2	2074	1.68	30	1

Location:- BOREWELL AT NEELAM FIBER KIM IND AREA PLOT (October-2024)

Date	ALK	BOD	BOR	CHL	CND	COD	CAL	DOX	FCO	FLU	MAG	NH3	NIT	NTR	pH	PHO	POT	SOD	SS	SUP	T.H	TCO	TDS	TKN	TMP	TUR
01/04/2021	390	0.8	0.09	605	3077	11	76.15	3.8	<2	0.34	94.9	0.3	0.04	0.6	8.4	0.13	1.9	56.3	8	25	580	<2	1876	1.68	31	1.8
01/10/2021	310	2.3	0.082	470	3348	10	76.15	4.4	<2	0.67	77.82	0.28	0.024	0.050	7.91	0.139	3.87	71.25	2	219	510	<2	2036	0.558	30	BDL
02/04/2022	520	1.5	0.095	670	4901	10	92.18	--	<2	0.42	102.14	0.28	--	0.5	7.63	0.037	4.1	76.6	4	195	650	<2	1966	1.68	30	BDL
01/10/2022	510	1.4	0.145	835	3977	6	72.14	--	<2	0.40	87.55	0.29	--	0.488	8.12	0.102	2.4	60	24	239	540	<2	2386	1.14	29	2
02/02/2023	100	0.3		812		14	84.16	2.9	<2	0.26	102.1	0.28	0.032	0.063	8.42				8	271	630	<2	2256	0.56	23	
04/04/2024	650	2.4	0.084	553	3408	14	120.2	4	<2	0.152	143.49	--	0.024	0.041	7.28	0.036	0.40	66.33	4	217	890	<2	1976	1.68	30	2
03/10/2024	400	2.4	0.129	462	3109	10	76.15	4.2	<2	0.254	89.98	-	0.037	0.104	7.44	0.086	0.10	170	6	171	560	<2	1834	2.24	30	1

(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

(D)

STP Results:

No Sewage treatment in this River stretch – Existing STP details – NA

(E)

CETP Details

No Industrial waste water discharge into this River stretch – Existing CETPs details – N

11. Kolak

(A)

Progress/Status Report of the River/PRS water quality monitoring for the Month October -2024:

Sr. No.	Month/ Date	Location ID	Name of Location	Parameter					
				pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	Fecal coliform (MPN/ 100ml)	Total coliform (MPN/100 ml)
1	June-2021		River Kolak at N.H. No.8, Morai	7.91	6.90	0.80	10	20	58
			River Kolak at	7.86	5.70	1.50	17	920	1600

			Pataliya Bridge						
2	July-2021		River Kolak at N.H. No.8, Morai	7.58	6.70	0.60	9.0	20	49
			River Kolak at Pataliya Bridge	8.02	6.50	1.10	12	350	920
3	August-2021		River Kolak at N.H. No.8, Morai	7.96	7.10	0.7	8.0	13	34
			River Kolak at Pataliya Bridge	7.92	6.50	0.8	9.0	130	350
4	September-2021		River Kolak at N.H. No.8, Morai	7.87	7.20	0.6	7.0	11	33
			River Kolak at Pataliya Bridge	7.97	6.70	0.7	8.0	34	94
5	October-2021		River Kolak at N.H. No.8, Morai	7.95	7.20	0.6	7.0	10	32
			River Kolak at Pataliya Bridge	7.94	6.40	0.9	10.0	33	84
6	November-2021		River Kolak at N.H. No.8, Morai	8.01	6.90	0.7	8.0	11	38
			River Kolak at Pataliya Bridge	7.99	6.20	1.0	11.0	430	920
7	December-2021		River Kolak at N.H. No.8, Morai	7.86	6.80	0.6	8.0	12	39
			River Kolak at	8.01	6.10	1.1	12.0	350	920

			Pataliya Bridge						
8	January - 2022		River Kolak at N.H. No.8, Morai	7.96	6.70	0.7	8.0	13	43
			River Kolak at Pataliya Bridge	7.82	6.00	1.2	13.0	430	920
9	February-2022		River Kolak at N.H. No.8, Morai	7.87	6.80	0.7	9	12	40
			River Kolak at Pataliya Bridge	7.84	5.70	1.3	14	540	1600
10	March-2022		River Kolak at N.H. No.8, Morai	7.92	6.90	0.6	8	11	38
			River Kolak at Pataliya Bridge	7.88	5.80	1.2	13	920	1600
11	April-2022		River Kolak at N.H. No.8, Morai	7.98	6.80	0.7	10.0	12	39
			River Kolak at Pataliya Bridge	7.94	5.70	1.3	14.0	920	1600
12	May-2022		River Kolak at N.H. No.8, Morai	8.19	6.70	0.8	12	13	38
			River Kolak at Pataliya Bridge	8.20	5.50	1.4	16	920	1600
13	June-2022		River Kolak at N.H. No.8, Morai	7.98	6.60	0.9	11	14	39
			River Kolak at	7.39	5.50	1.3	15	920	1600

			Pataliya Bridge						
14	July-2022		River Kolak at N.H. No.8, Morai	7.93	7.0	0.6	7.0	13	33
			River Kolak at Pataliya Bridge	7.97	5.50	1.4	11.0	94	280
15	August-2022		River Kolak at N.H. No.8, Morai	8.01	6.8	0.6	7.0	14	38
			River Kolak at Pataliya Bridge	7.7	6.2	1.1	12.0	84	280
16	September-2022		River Kolak at N.H. No.8, Morai	7.79	6.5	0.7	7.0	9.2	33
			River Kolak at Pataliya Bridge	7.78	5.5	0.7	10.0	63	240
17	October-2022		River Kolak at N.H. No.8, Morai	7.87	6.9	0.9	8	14	40
			River Kolak at Pataliya Bridge	7.83	6.4	0.8	11	63	280
18	November-2022		River Kolak at N.H. No.8, Morai	7.97	6.8	0.8	8	17	84
			River Kolak at Pataliya Bridge	8.01	6.6	0.9	12	63	540
19	December-2022		River Kolak at N.H. No.8, Morai	8.03	6.9	0.9	7	20	110
			River Kolak at	7.7	6.7	0.8	10	13	350

			Pataliya Bridge						
20	January-2023		River Kolak at N.H. No.8, Morai	8.13	7.3	0.8	8	12	40
			River Kolak at Pataliya Bridge	8.16	6.2	0.9	11	920	1720
21	February-2023		River Kolak at N.H. No.8, Morai	8.02	7.1	0.8	7	17	120
			River Kolak at Pataliya Bridge	7.81	5.6	1.2	10	17	280
22	March-2023		River Kolak at N.H. No.8, Morai	8.07	6.1	0.9	8	11	150
			River Kolak at Pataliya Bridge	7.94	6.0	1.0	12	15	140
23	April-2023		River Kolak at N.H. No.8, Morai	7.96	6.5	0.8	9	20	140
			River Kolak at Pataliya Bridge	7.88	5.2	1.7	10	9.1	120
24	May-2023		River Kolak at N.H. No.8, Morai	8.02	7.2	0.7	9	3.6	170
			River Kolak at Pataliya Bridge	7.96	6.9	1	22	2	540
25	June-2023		River Kolak at N.H. No.8, Morai	8.02	7.2	0.7	9	3.6	170
			River Kolak at	8.18	4.6	2.8	28	8.3	920

			Pataliya Bridge						
26	July-2023		River Kolak at N.H. No.8, Morai	7.87	7.2	0.7	7	26	920
			River Kolak at Pataliya Bridge	8.06	7.2	0.8	9	13	350
27	August-2023		River Kolak at N.H. No.8, Morai	7.56	6.9	0.8	7	1.8	94
			River Kolak at Pataliya Bridge	7.90	6.5	0.9	9	9.3	140
28	September-2023		River Kolak at N.H. No.8, Morai	7.93	7.0	0.7	7	12	84
			River Kolak at Pataliya Bridge	7.80	6.8	0.8	10	15	150
29	October-2023		River Kolak at N.H. No.8, Morai	7.93	7.1	0.6	8	14	94
			River Kolak at Pataliya Bridge	7.45	6.5	0.9	10	17	170
30	November-2023		River Kolak at N.H. No.8, Morai	7.96	7.2	0.7	8	10	58
			River Kolak at Pataliya Bridge	7.90	6.4	1.0	15	26	430
31	December-2023		River Kolak at N.H. No.8, Morai	7.96	7.0	0.7	8	11	63
			River Kolak at	7.84	5.9	1.1	13	32	540

			Pataliya Bridge						
32	January-2024		River Kolak at N.H. No.8, Morai	8.19	7.1	0.7	8	12	48
			River Kolak at Pataliya Bridge	7.84	5.8	1.1	13	32	540
33	February-2024		River Kolak at N H No. 8, Morai	7.0	7.83	0.6	9	10	47
			River Kolak at Pataliya Bridge	6.4	7.25	0.8	15	39	540
34	March - 2024		River Kolak at N H No. 8, Morai	8.08	6.9	0.7	10	11	58
			River Kolak at Pataliya Bridge	7.60	6.3	1.0	14	58	920
35	April - 2024		River Kolak at N H No. 8, Morai	8.07	7.0	0.8	9	12	49
			River Kolak at Pataliya Bridge	7.63	6.2	1.0	10	31	430
36	May – 2024		River Kolak at N H No. 8, Morai	8.05	6.9	0.9	8	12	58
			River Kolak at Pataliya Bridge	7.81	6.8	1.1	11	34	540
37	June – 2024		River Kolak at N H No. 8, Morai	8.04	6.8	0.8	8	11	48
			River Kolak at Pataliya Bridge	7.74	6.6	1.0	16	32	430
38	July – 2024		River Kolak at N H No. 8, Morai	8.07	7.1	0.7	8	10	46

			River Kolak at Pataliya Bridge	7.67	7.0	1.4	25	21	350
39	Aug – 2024		River Kolak at N H No. 8, Morai	7.97	7.0	0.8	9.0	9.3	43
			River Kolak at Pataliya Bridge	8.09	7.0	1.0	12	17	280
40	Sep-2024		River Kolak at N H No. 8, Morai	7.92	6.9	0.9	8.0	9.1	48
			River Kolak at Pataliya Bridge	7.88	6.9	0.9	11.0	15	240
41	Oct-2024		River Kolak at N H No. 8, Morai	8.09	7	0.8	9	9.2	46
			River Kolak at Pataliya Bridge	8.02	7	1	11	13	220

(B)
STPs Results
There is no Existing STP at present

(C)
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

(D)
CETPs Results
Not Applicable

(E)

Progress/Status Report of the River/PRS ground water quality Monitoring (October – 2024):

Date	Location	DO (mg/l)	pH	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100 ml)	SS (mg/l)	Iron (mg/l)	Lead (mg/l)	Nickel (mg/l)
01/10/2024	Borewell at KoteshwarMahadev Temple, Vatar	5.7	8.11	0.7	9	< 1.8	<1.8	8	0.245	0.042	BDL

Zinc (mg/l)	Manganese (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Hexavalent Chromium (mg/l)	Total Chromium (mg/l)	Percent Sodium	Ammonical Nitrogen (mg/l)	Total Kejeldahl Nirtogen (mg/l)	TDS (mg/l)	Conductivity (micro.s/cm)
0.28	BDL	0.022	0.3	BDL	0.173	-	0.28	0.84	546	886

12. Mahi

(A)

Progress/Status Report of the River/PRS water quality monitoring for the Month October – 2024:

Sr. No.	Month/ Date	Location ID	Name of Location	Parameter					
				pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	Fecal coliform (MPN/ 100ml)	Total coliform (MPN/100 ml)
1	June-2021		River Mahi at Sevalia	7.45	8.2	0.7	6	11	70
2	July-2021		River Mahi at	7.67	8.5	0.6	5	2	48

			Sevalia						
3	August-2021		River Mahi at Sevalia	8.06	8.4	0.6	5.0	2	39
4	September-2021		River Mahi at Sevalia	7.96	7.9	0.6	5.0	2	48
5	October-2021		River Mahi at Sevalia	8.48	7.7	0.7	5.0	2	40
6	November-2021		River Mahi at Sevalia	8.3	8.5	0.5	5.0	2	40
7	December-2021		River Mahi at Sevalia	7.95	8.5	0.5	6.0	6.8	63
8	January – 2022		River Mahi at Sevalia	8.5	8.5	0.5	6.0	4	47
9	February-2022		River Mahi at Sevalia	8.05	8.2	0.7	6.0	4	49
10	March-2022		River Mahi at Sevalia	8.1	3.8	0.8	7	4	33
11	April-2022		River Mahi at Sevalia	8.58	8.3	0.8	8	4	49
12	May-2022		River Mahi at Sevalia	8.31	8.8	0.8	6	4	63
13	June-2022		River Mahi at Sevalia	8.51	8.5	0.8	8	<1.8	11
14	July-2022		River Mahi at Sevalia	8.46	8.4	0.7	6	6.8	33
15	August-2022		River Mahi at Sevalia	8.26	7.8	0.7	5	2	33
16	September-2022		River Mahi at Sevalia	8.49	8.0	0.8	6	4	49
17	October-2022		River Mahi at	8.49	8.0	0.7	6	6.8	33

			Sevalia						
18	November-2022		River Mahi at Sevalia	8.49	7.9	0.8	6	6.8	43
19	December-2022		River Mahi at Sevalia	8.41	8	0.8	5	4	21
20	January-2023		River Mahi at Sevalia	8.46	8.2	0.6	5	7	33
21	February-2023		River Mahi at Sevalia	8.5	8	0.5	7	14	22
22	March-2023		River Mahi at Sevalia	8.5	8	0.5	7	240	500
23	April-2023		River Mahi at Sevalia	8.3	7.8	0.5	6	170	350
24	May-2023		River Mahi at Sevalia	8.4	7.8	0.5	7	70	280
25	June-2023		River Mahi at Sevalia	7.9	7.5	0.5	5	140	350
26	July-2023		River Mahi at Sevalia	8.0	7.5	0.5	7	50	170
27	August-2023		River Mahi at Sevalia	8.4	7.5	0.5	6	26	110
28	September-2023		River Mahi at Sevalia	8.4	7.6	0.5	6	33	140
29	October-2023		River Mahi at Sevalia	8.3	7.6	0.5	7	14	110
30	November-2023		River Mahi at Sevalia	8.2	7.6	0.6	8	14	90
31	December-2023		River Mahi at Sevalia	8.4	8.2	0.5	6	30	220
32	January-2024		River Mahi at	8.3	7.5	0.72	8	14	90

			Sevalia						
33	February-2024		River Mahi at Sevalia	7.5	8.06	0.57	7	11	70
34	March – 2024		River Mahi at Sevalia	8.4	7.5	0.7	8	17	70
35	April -2024		River Mahi at Sevalia	8.4	7.3	0.6	8	8	70
36	May – 2024		River Mahi at Sevalia	8.4	7.5	0.7	7	8	30
37	June – 2024		River Mahi at Sevalia	8.28	7.6	0.8	10	11	90
38	July – 2024		River Mahi at Sevalia	7.9	8.3	0.7	8	7	70
39	Aug – 2024		River Mahi at Sevalia	8.3	7.2	0.7	8	8	70
40	Sep-2024		River Mahi at Sevalia	7.8	7.2	0.5	8	8	90
41	Oct-2024		River Mahi at Sevalia	8.2	7.4	0.5	9	7	70

13. Meshwo

(A)

Progress/Status Report of the River/PRS water quality monitoring for the Month October- 2024:

Sr. No.	Month/ Date	Location ID	Name of Location	Parameter					
				pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	Fecal coliform (MPN/ 100ml)	Total coliform (MPN/100 ml)
1	June-2021		River Meshwo D/s at Shamlaji	7.60	7.12	0.93	8	4	21
2	July-2021		Same as above	7.36	5.98	0.88	9	< 1.8	< 1.8
3	August-2021		Same as above	7.47	5.91	0.73	14	< 1.8	11
4	September-2021		Same as above	7.31	4.89	1.46	11	< 1.8	46
5	October-2021		Same as above	7.61	6.02	0.80	12	< 1.8	12
6	November-2021		Same as above	7.68	6.92	0.71	13	4	21
7	December-2021		Same as above	7.20	6.75	0.79	12	< 1.8	14
8	January – 2022		Same as above	7.69	5.74	0.57	15	< 1.8	21
9	Feb-2022		Same as above	7.76	6.79	0.71	10	< 1.8	12
10	March-2022		Same as above	7.61	7.55	0.78	11	< 1.8	14
11	April-2022		Same as above	8.20	5.77	0.81	18	< 1.8	12
12	May-2022		Same as above	7.84	5.98	0.73	18	< 1.8	12
13	June-2022		Same as above	7.85	5.26	0.65	20	4	17
14	July-2022		Same as above	7.20	6.51	0.85	17	< 1.8	11
15	August-2022		Same as above	7.94	6.30	0.67	10	< 1.8	4

16	Septembe-2022		Same as above	8.35	6.75	1.13	11	< 1.8	12
17	October-2022		Same as above	7.55	6.14	1.43	12	< 1.8	14
18	November-2022		Same as above	7.75	7.14	0.78	8	< 2	< 2
19	December-2022		Same as above	6.83	7.74	1.77	10	< 1.8	14
20	January-2023		Same as above	7.38	7.34	1.00	11	< 1.8	6
21	February-2023		Same as above	7.68	5.09	1.00	12	< 1.8	6
22	March-2023		Same as above	8.16	6.21	0.95	10	4	21
23	April-2023		Same as above	7.93	6.59	1.28	7	<1.8	8
24	May-2023		Same as above	7.94	6.42	0.87	8	4	21
25	June 2023		Same as above	8.02	5.01	1.06	9	< 1.8	12
26	July 2023		Same as above	7.60	6.50	0.84	13	11	70
27	August-2023		Same as above	7.89	7.76	0.89	8	< 1.8	12
28	Septembe-2023		Same as above	7.46	6.1	1.0	7	< 1.8	12
29	October-2023		Same as above	7.39	7.3	0.76	7	2	26
30	November-2023		Same as above	7.37	7.74	0.98	11	< 1.8	21
31	December-2023		Same as above	7.66	5.22	0.92	10	2	17
32	January-2024		Same as above	8.14	7.63	0.76	9	< 1.8	20
33	February-2024		Same as above	7.76	8.03	0.77	10	< 1.8	6
34	March 2024		River Meshwo D/s at Shamlaji	7.19	7.96	0.79	11	< 1.8	21
35	April – 2024		River Meshwo D/s at Shamlaji	7.01	6.12	0.74	9	< 1.8	21

36	May – 2024		River Meshwo D/s at Shamlaji	7.71	5.14	0.76	8	< 1.8	11
37	June – 2024		River Meshwo D/s at Shamlaji	7.49	5.51	0.68	9	< 1.8	8
38	July-2024		River Meshwo D/s at Shamlaji	7.20	6.45	0.72	10	< 1.8	4
39	August -2024		River Meshwo D/s at Shamlaji	7.19	5.87	0.68	9	< 1.8	4
40	September-2024		River Meshwo D/s at Shamlaji	7.03	7.06	0.65	8	< 1.8	12
41	Oct-2024		River Meshwo D/s at Shamlaji	7.45	7.21	0.68	8	< 1.8	6

(B)
STP Results
Not Applicable

(C)
Drain Details
Not Applicable

(D)
CETP Results
Not Applicable

(E)

Progress/Status Report of the ground water quality Monitoring:

Date	Location	pH	BOD (mg/l)	COD (mg/l)	TDS (mg/l)
04/10/2024	Borewell from Shamlaji Dharamshala	7.13	0.72	8	782

14. Mindhola

(A)

Progress/Status Report of the River/PRS water quality monitoring for the Month October – 2024:

Sr. No.	Month/ Date	Location ID	Name of Location	Parameter					
				pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	Fecal coliform (MPN/ 100ml)	Total coliform (MPN/100 ml)
1	June-2021		River Mindhola	8.38	6.3	2.3	17	27	84
2	July-2021		As above	7.74	5.1	2.7	22	350	>1600
3	August-2021		As above	7.50	6.0	1.8	20	540	>1600
4	September-2021		As above	7.58	6.0	1.7	14	920	>1600
5	October- 2021		River Mindhola	8.04	6	1.6	10	350	>1600
6	November-2021		River Mindhola	7.88	5.4	2.6	11	920	>1600
7	December-2021		As above	7.94	5	2.9	30	220	>1600

8	January – 2022		River Mindhola	7.62	3.2	7	35	540	>1600
9	February-2022		River Mindhola	7.95	5.2	2.9	26	>1600	>1600
10	March-2022		River Mindhola	8.07	4.7	2.2	14	240	>1600
11	April-2022		As above	7.63	5.6	2.9	24	70	430
12	May-2022		As above	7.66	5.8	2.9	18	220	540
13	June-2022		As above	7.53	5.8	3	20	280	350
14	July-2022		As above	8	5.9	2.6	12	17	280
15	August-2022		As above	8.7	6.2	2.3	10	79	430
16	September-2022		As above	7.94	5.1	2.8	18	94	220
17	October-2022		River Mindhola	8.26	5	2.8	18	110	350
18	November-2022		River Mindhola	8.07	5.1	2.7	18	110	540
19	December-2022		River Mindhola	7.97	5.1	2.8	22	110	920
20	January-2023		River Mindhola	7.72	5.0	2.9	26	1600	>1600
21	February-2023		River Mindhola	8.40	5.2	2.9	22	140	1600
22	March-2023		River Mindhola	7.5	5.1	2	19	170	>1600
23	April-2023		River Mindhola	8.25	5.1	2.9	26	920	>1600
24	May-2023		River Mindhola	7.9	5.2	2.8	13	31	150
25	June-2023		River Mindhola	7.88	5.1	2.9	22	350	1600
26	July-2023		River Mindhola	7.95	6.9	2.4	12	540	1600
27	August-2023		River Mindhola	7.92	7.0	2.3	8	110	920
28	September-		River Mindhola	7.92	7.0	2.3	8	110	920

	2023								
29	October-2023		River Mindhola	7.87	5.2	3	22	70	540
30	November-2023		River Mindhola	7.33	5.3	1.9	20	70	350
31	December-2023		River Mindhola	7.52	6.2	1.7	10	11	47
32	January-2024		River Mindhola	7.51	5.6	2.8	28	920	>1600
33	February-2024		River Mindhola	7.11	5.5	2.8	22	110	540
34	March-2024		River Mindhola	8.42	6.9	1.8	10	6	31
35	April-2024		River Mindhola	7.64	5.1	2.7	28	84	350
36	May - 2024		River Mindhola	8.42	5.3	2.5	18	27	170
37	June-2024		River Mindhola	8.42	7	1.3	10	63	120
38	July-2024		River Mindhola	7.80	5.9	2.3	16	70	350
39	August-2024		River Mindhola	7.90	6.4	2.5	12	540	920
40	September-2024		River Mindhola	8.03	5.9	1.9	15	240	920
41	October-2024		River Mindhola	7.38	5.3	2.8	18	120	510

(B)

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

Location: - BOREWELL AT SACHIN GIDC (SIEL)

Date	**%NA**	**ALK**	**BOD**	**CAL**	**CHL**	**CND**	**COD**	**COL**	**DOX**	**FDS**	**FLU**	**MAG**	**NAA**	**NH3**	**NTR**	**pH**	**PHO**	**POT**	**SOD**	**SS**	**SUP**	**T.H**	**TCO**	**TDS**	**TKN**	**TMP**	**TUR**
01/04	28.	26	1.	11	24	87	13	<5	-	-	0.	14	2.	1.	0.	7.	0.	5.	51	8	11	88	<2	53	2.	31	1

/2021	2	0	2	6.2	24	04					42	3.5	34	1	7	75	15	3	9		9	0		08	2		
06/10/2021	--	580	2.8	144.3	1100	7767	11	--	4.4	--	0.79	179.97	2.17	0.28	0.07	7.6	0.208	8.9	165	2	503	1100	<2	4722	0.558	30	BDL
02/04/2022	31.81	330	1.7	96.19	1899	7794	14	--	--	--	0.53	104.58	2.98	0.56	0.57	7.1	0.106	7.8	145	6	559	670	<2	5650	2.24	29	BDL
02/10/2022	24.63	850	1.6	108.2	1709	8161	12	--	--	--	0.51	131.3	1.86	0.29	0.201	6.98	0.127	4.9	122	50	489	810	<2	4896	0.86	30	1
01/02/2023		100	0.2	172.34	1859		14		3		0.28	206.7		0.28	0.078	8.06				8	623	1280	<2	5192	1.12	24	
01/04/2024	--	870	2.8	244.5	1206	7422	15	244.5	4.0	2712	0.279	289.41	---	--	0.090	7.15	0.058	0.86	210	8	474	1800	<2	4306	0.56	30	1
01/10/2024	-	490	2.2	84.17	432	2523	10	84.17	4	<2	0.178	97.28	-	-	0.097	7.09	0.096	0.30	205	8	160	610	<2	1716	0.56	31	1

Location: - BOREWELL AT NR COMMON HAZ WASTE DSPO.SITE(GEPIL)

Date	% NA	ALK	BOD	CAL	CHL	CND	COD	COL	DOX	FDS	FLU	MAG	NH3	NTR	pH	PHO	POT	SOD	SS	SUP	T.H	TCO	TDS	TKN	TMP	TUR
01/04/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06/10/2021	--	610	2.9	128.3	1050	7158	18	--	3.9	--	0.85	160.51	0.28	0.079	7.7	0.278	8.20	152	2	467	980	<2	4352	0.558	29	BDL

02/04/2022	14.91	145	1.6	24.05	120	774.8	14	--	--	--	0.82	29.18	0.28	0.24	7.7	0.115	0.8	14.5	4	35	180	<2	358	1.12	29	BDL
01/02/2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Location : - OPEN WELL AT GABHENI OPP: PANCHYAT OFFICE

Date	% NA	ALK	BOD	CAL	CHL	CND	COD	COL	DOX	FDS	FLU	MAG	NH3	NTR	pH	PHO	POT	SOD	SS	SUP	T.H	TCO	TDS	TKN	TMP	TUR
01/04/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06/10/2021	--	600	1.9	136.3	950	7019	6	--	6.5	--	0.45	172.67	0.28	0.077	7.93	0.070	8.10	149	4	457	1050	<2	4268	0.558	27	BDL
02/04/2022	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01/02/2023	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(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.

(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

15. Narmada

(A)

Progress/Status Report of the River/PRS water quality monitoring for the Month October – 2024:

Sr. No.	Month/ Date	Location ID	Name of Location	Parameter					
				pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	Fecal coliform (MPN/ 100ml)	Total coliform (MPN/100 ml)
1	June-2021		NTPC Zanor	7.91	8.13	1.06	5	21	46
			Zadeshwar	7.95	8.28	1.11	6	94	220
			Garudeshwar	8.02	8.32	0.72	6	13	47
2	July-2021		NTPC Zanor	8.24	7.68	1.22	10	22	70
			Zadeshwar	8.07	7.57	1.28	10	46	110
			Garudeshwar	7.97	7.43	0.7	5	17	70
3	August-2021		NTPC Zanor	7.87	7.28	1.02	11	23	94
			Zadeshwar	7.95	7.04	1.09	11	79	280
			Garudeshwar	8.28	8.13	0.68	5	21	70
4	September-2021		NTPC Zanor	8.19	6.89	1.18	12	22	70
			Zadeshwar	8.21	6.62	1.26	12	46	110
			Garudeshwar	7.51	6.41	1.28	5	26	70
5	October-2021		NTPC Zanor	7.88	6.72	1.21	10	46	110
			Zadeshwar	7.74	6.58	1.34	10	49	140
			Garudeshwar	8.26	7.43	0.8	05	17	49
6	November-2021		NTPC Zanor	8.18	8.05	0.81	10	22	70
			Zadeshwar	8.21	7.40	0.89	10	46	110
			Garudeshwar	8.25	8.16	0.7	05	24	70

7	December-2021		NTPC Zanor	8.21	8.02	0.8	9	34	79
			Zadeshwar	8.24	7.91	0.82	10	47	110
			Garudeshwar	8.02	8.11	0.72	5	21	27
8	January – 2022		NTPC Zanor	8.31	8.05	0.82	11	33	94
			Zadeshwar	8.32	7.63	0.84	14	49	140
			Garudeshwar	8.31	8.15	0.75	5	26	70
9	February-2022		NTPC Zanor	8.46	8.29	0.85	9	49	110
			Zadeshwar	8.29	7.04	1.05	10	79	170
			Garudeshwar	8.18	8.58	0.77	5	17	46
10	March-2022		NTPC Zanor	8.31	7.73	0.88	10	33	110
			Zadeshwar	8.12	7.64	0.95	10	49	170
			Garudeshwar	8.2	8.15	0.8	5	17	33
11	April-2022		NTPC Zanor	8.34	7.08	0.91	12	22	70
			Zadeshwar	8.29	6.88	0.94	14	110	260
			Garudeshwar	8.45	8.51	0.84	5	23	49
12	May-2022		NTPC Zanor	8.34	7.30	0.9	12	22	49
			Zadeshwar	8.39	6.7	0.92	12	94	170
			Garudeshwar	8.57	8.46	0.84	5	13	47
13	June-2022		NTPC Zanor	7.96	6.98	0.87	8	26	46
			Zadeshwar	7.71	6.89	0.92	9	94	220
			Garudeshwar	8.14	8.15	0.86	5	22	47
14	July-2022		NTPC Zanor	8.38	7.1	0.84	11	21	46
			Zadeshwar	8.39	6.73	0.87	13	94	170
			Garudeshwar	8.11	7.64	0.84	5	21	70

15	August-2022		NTPC Zanor	7.48	7.06	0.82	5	21	46
			Zadeshwar	7.79	6.86	0.83	5	94	170
			Garudeshwar	7.98	7.47	0.85	5	17	70
16	September-2022		NTPC Zanor	7.81	7.22	0.88	8	22	70
			Zadeshwar	7.97	6.92	0.91	9	46	110
			Garudeshwar	7.88	7.42	0.80	5	26	70
17	October-2022		NTPC Zanor	8.2	7.48	0.84	6	17	70
			Zadeshwar	8.26	7.24	0.86	6	46	130
			Garudeshwar	8.17	7.48	0.84	5	33	79
18	November-2022		NTPC Zanor	8.28	7.42	0.83	7	22	70
			Zadeshwar	8.30	7.25	0.85	8	49	130
			Garudeshwar	8.33	7.40	0.85	5	21	40
19	December - 2022		NTPC Zanor	8.15	7.72	0.82	6	34	79
			Zadeshwar	8.23	7.68	0.84	6	47	110
			Garudeshwar	8.23	7.60	0.80	5	12	27
20	January-2023		NTPC Zanor	8.04	7.85	0.84	5	21	70
			Zadeshwar	8.06	7.40	0.87	6	94	240
			Garudeshwar	8.27	7.65	0.85	5	17	33
21	February-2023		NTPC Zanor	8.05	7.56	0.89	8	46	110
			Zadeshwar	8.10	7.38	0.91	9	70	170
			Garudeshwar	8.29	8.16	0.82	5	17	46
22	March-2023		NTPC Zanor	8.18	7.71	0.85	6	46	140
			Zadeshwar	8.23	7.54	0.86	6	49	170
			Garudeshwar	8.29	7.69	0.81	5	17	33

23	April-2023		NTPC Zanor	8.25	8.19	0.82	7	49	110
			Zadeshwar	8.29	8.12	0.85	8	70	170
			Garudeshwar	8.42	8.18	0.72	5	23	49
24	May-2023		NTPC Zanor	7.72	7	0.83	6	78	140
			Zadeshwar	7.94	6.52	0.96	7	170	340
			Garudeshwar	8.13	7.80	0.77	5	20	45
25	June-2023		NTPC Zanor	8.13	7.08	0.80	5	45	110
			Zadeshwar	8.19	6.99	0.96	8	40	140
			Garudeshwar	8.38	7.81	0.71	5	<2	20
26	July-2023		NTPC Zanor	8.11	7.65	0.68	5	33	110
			Zadeshwar	8.10	6.94	0.75	6	39	170
			Garudeshwar	7.99	7.89	0.76	5	14	33
27	August-2023		NTPC Zanor	7.89	7.76	0.81	5	21	46
			Zadeshwar	8.01	6.30	0.94	7	70	140
			Garudeshwar	8.13	7.61	0.68	5	17	70
28	September-2023		NTPC Zanor	8.31	7.32	0.74	5	17	70
			Zadeshwar	8.30	7.07	0.86	8	94	280
			Garudeshwar	8.35	8.49	0.68	5	21	70
29	October-2023		NTPC Zanor	8.10	7.57	0.78	6	13	79
			Zadeshwar	8.04	7.79	0.85	7	70	220

			Garudeshwar	7.99	7.31	0.79	5	17	94
30	November-2023		NTPC Zanor	8.30	8.22	0.84	6	17	110
			Zadeshwar	8.32	8.31	0.80	6	49	170
			Garudeshwar	8.14	7.92	0.71	5	13	21
31	December-2023		NTPC Zanor	8.47	8.48	0.83	6	20	68
			Zadeshwar	8.45	8.34	0.90	6	40	140
			Garudeshwar	8.41	8.35	0.70	5	<2	45
32	January – 2024		NTPC Zanor	8.34	8.54	0.78	5	40	90
			Zadeshwar	8.46	8.65	0.82	5	45	170
			Garudeshwar	8.11	8.46	0.70	5	61	120
33	February-2024		NTPC Zanor	8.40	8.44	0.72	7	45	110
			Zadeshwar	8.47	8.35	0.78	8	68	200
			Garudeshwar	8.41	8.28	0.75	4	45	130
34	March-2024		NTPC Zanor	7.63	8.19	0.83	5	20	78
			Zadeshwar	8.04	7.09	0.91	6	120	260
			Garudeshwar	8.25	7.78	0.76	5	20	45
35	April – 2024		NTPC Zanor	8.19	8.18	0.77	5	40	92
			Zadeshwar	8.15	7.22	0.83	6	110	210
			Garudeshwar	8.39	8.15	0.77	5	20	40

36	May – 2024		NTPC Zanor	8.20	7.37	0.86	6	40	78
			Zadeshwar	8.24	7.64	0.91	6	120	220
			Garudeshwar	8.3	8.01	0.83	5	21	70
37	June – 2024		NTPC Zanor	7.89	7.14	0.89	5	20	92
			Zadeshwar	7.83	7.39	0.94	6	93	260
			Garudeshwar	8.21	8.00	0.76	5	20	68
38	July – 2024		NTPC Zanor	8.19	6.92	1.03	5	40	93
			Zadeshwar	8.24	7.10	1.14	7	61	140
			Garudeshwar	7.82	6.70	0.74	5	40	92
39	August – 2024		NTPC Zanor	7.55	7.4	0.80	6	20	68
			Zadeshwar	8.02	6.90	1.10	6	45	170
			Garudeshwar	8.38	8.40	0.65	5	20	68
40	September - 2024		NTPC Zanor	7.83	7.0	0.81	6	20	61
			Zadeshwar	7.80	6.70	0.92	6	40	93
			Garudeshwar	7.93	7.60	0.70	5	20	78
41	October - 2024		NTPC Zanor	7.82	6.9	0.8	5	20	61
			Zadeshwar	7.98	7.3	0.9	6	45	120
			Garudeshwar	8.18	6.8	0.7	5	20	68

16. Sabarmati

(A)

Progress/Status Report of the River/PRS water quality monitoring for the Month October – 2024:

Sr. No.	Month/ Date	Location ID	Name of Location	Parameter					
				pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	Fecal coliform (MPN/ 100ml)	Total coliform (MPN/100 ml)
1	June-2021		Kheroj	Sample was not collected as river is dry					
			Mahudi	Sample was not collected as river is dry					
			Chiloda	Sample was not collected as river is dry					
			Hansol Bridge	7.63	7.13	0.88	15	17	70
			Railway Bridge	7.83	6.42	1.43	30	79	210
			V N Bridge	7.50	BDL	14	74	540	920
			Miroli	8.00	BDL	39	145	>1600	>1600
			Vautha	7.70	3.89	32	148	920	1600
2	July -2021		Kheroj	Sample was not collected as river is dry					
			Mahudi	Sample was not collected as river is dry					
			Chiloda	Sample was not collected as river is dry					
			Hansol Bridge	8.08	6.29	0.59	15	06	63
			Railway Bridge	7.96	6.51	1.5	27	63	350
			V N Bridge	7.96	0.1	71	244	>1600	>1600
			Miroli	7.28	4.08	31	117	>1600	>1600
			Vautha	7.48	0.09	28	103	>1600	>1600
3	August-2021		Kheroj	8.10	6.80	0.60	11	04	63
			Mahudi	Sample was not collected as river is dry					

			Chiloda	Sample was not collected as river is dry					
			Hansol Bridge	7.72	4.98	1.47	14	09	70
			Railway Bridge	7.40	6.40	1.42	18	47	240
			V N Bridge	8.19	Nil	60	518	>1600	>1600
			Miroli	Result yet not freeze					
			Vautha	8.05	Nil	42	98	540	920
4	September-2021		Kheroj	8.20	5.70	1.68	12	14	94
			Mahudi	Sample was not collected due to river found stagnant					
			Chiloda	Sample was not collected as river is dry					
			Hansol Bridge	7.75	5.57	1.40	15	12	110
			Railway Bridge	7.70	4.61	1.57	25	70	350
			V N Bridge	8.55	BDL	146	384	>1600	>1600
			Miroli	7.38	BDL	47	199	>1600	>1600
			Vautha	7.52	BDL	31	122	>1600	>1600
5	October-2021		Kheroj	8.14	6.53	0.74	12	21	46
			Mahudi	Sample was not collected during October month due to river found stagnant.					
			Chiloda	Sample was not collected during October month due to river found dry.					
			Hansol Bridge	Sample was not collected during October month due to river found dry.					
			Railway Bridge	7.65	6.03	14	84	350	540
			V N Bridge	7.26	BDL	143	611	>1600	>1600
			Miroli	7.81	BDL	31	112	>1600	>1600
			Vautha	8.81	BDL	41	156	540	920
6	November-2021		Kheroj	7.50	7.69	0.73	15	4	46
			Mahudi	Sample was not collected during October month due to river found stagnant.					
			Chiloda	Sample was not collected during October month due to river found dry.					
			Hansol	8.25	7.66	0.72	09	12	63

			Bridge						
			Railway Bridge	7.27	3.06	12	69	540	920
			V N Bridge	8.36	BDL	147	537	>1600	>1600
			Miroli	7.18	BDL	29	105	>1600	>1600
			Vautha	7.79	BDL	27	101	>1600	>1600
7	December - 2021		Kheroj	7.77	7.56	0.82	12	12	47
			Mahudi	Sample was not collected during October month due to river found stagnant.					
			Chiloda	Sample was not collected during October month due to river found dry.					
			Hansol Bridge	7.58	5.55	0.89	14	12	70
			Railway Bridge	7.52	5.82	0.79	17	170	350
			V N Bridge	7.38	BDL	60	273	>1600	>1600
			Miroli	7.20	BDL	33	109	>1600	>1600
			Vautha	7.57	BDL	33	139	>1600	>1600
8	January - 2022		Kheroj	8.20	7.69	0.68	14	4	47
			Mahudi	Sample was not collected due to river found stagnant.					
			Chiloda	Sample was not collected due to river found dry.					
			Hansol Bridge	8.20	7.76	0.73	13	06	47
			Railway Bridge	7.94	6.53	1.53	15	70	280
			V N Bridge	7.26	BDL	-	-	>1600	>1600
			Miroli	7.84	BDL	51	205	>1600	>1600
			Vautha	7.5	BDL	32	87	>1600	>1600
9	February-2022		Kheroj	7.77	6.61	0.75	17	12	47
			Mahudi	Sample was not collected due to river found stagnant.					
			Chiloda	Sample was not collected due to river found dry.					
			Hansol Bridge	7.75	8.25	0.72	11	12	94
			Railway	7.00	4.34	1.69	36	120	350

			Bridge						
			V N Bridge	7.19	BDL	86	264	>1600	>1600
			Miroli	7.35	BDL	66	288	>1600	>1600
			Vautha	7.64	BDL	35	137	>1600	>1600
10	March-2022		Kheroj	7.77	7.33	0.87	11	<1.8	33
			Mahudi	Sample was not collected due to river found stagnant.					
			Chiloda	Sample was not collected due to river found dry.					
			Hansol Bridge	7.71	6.67	0.98	18	21	94
			Railway Bridge	7.54	6.09	0.82	18	33	240
			V N Bridge	7.71	BDL	96	506	>1600	>1600
			Miroli	7.76	0.34	37	127	>1600	>1600
			Vautha	7.6	1.63	25	104	>1600	>1600
11	April-2022		Kheroj	Sample was not collected due to river found dry					
			Mahudi	Sample was not collected due to river found stagnant.					
			Chiloda	Sample was not collected due to river found dry.					
			Hansol Bridge	Sample was not collected due to river found stagnant					
			Railway Bridge	8.15	5.17	1.19	23	47	280
			V N Bridge	7.50	BDL	56	302		
			Miroli	7.39	1.19	26	95	>1600	>1600
			Vautha	7.68	BDL	77	256	>1600	>1600
12	May-2022		Kheroj	Sample was not collected due to river found dry					
			Mahudi	Sample was not collected due to river found stagnant.					
			Chiloda	Sample was not collected due to river found dry.					
			Hansol Bridge	Sample was not collected due to river found stagnant					
			Railway Bridge	7.70	3.94	2.04	49	39	140

			V N Bridge	7.14	0.33	46	196	>1600	>1600
			Miroli	7.96	BDL	24	84	>1600	>1600
			Vautha	8.00	BDL	41	164	>1600	>1600
13	June-2022		Kheroj	Sample is not collected as no flow observed					
			Mahudi	Sample was not collected due to river found stagnant.					
			Chiloda	Sample was not collected due to river found dry.					
			Hansol Bridge	Sample was not collected due to river found stagnant					
			Railway Bridge	8.36	2.45	28	155	120	430
			V N Bridge	7.33	BDL	92	329	>1600	>1600
			Miroli	7.29	BDL	29	124	>1600	>1600
			Vautha	7.71	BDL	39	202	>1600	>1600
14	July-2022		Kheroj	7.43	5.45	1.32	34	7.8	23
			Mahudi	Sample was not collected due to river found stagnant.					
			Chiloda	Sample was not collected due to river found dry.					
			Hansol Bridge	Sample was not collected due to river found stagnant					
			Railway Bridge	7.71	1.75	9	54	220	920
			V N Bridge	6.56	BDL	22	86	>1600	>1600
			Miroli	7.20	BDL	24	84	>1600	>1600
			Vautha	8.17	BDL	23	83	>1600	>1600
15	August-2022		Kheroj	7.84	5.34	0.78	11	<1.8	21
			Mahudi	7.29	5.45	1.49	08	<2	<2
			Chiloda	8.25	5.99	0.87	16	70	350
			Hansol Bridge	7.62	5.56	1.04	10	4	47
			Railway Bridge	7.33	4.52	1.92	21	170	540
			V N Bridge	7.0	BDL	22	86	>1600	>1600
			Miroli	7.54	5.24	7	34	>1600	>1600

			Vautha	7.31	BDL	20	48	>1600	>1600
16	September-2022		Kheroj	8.33	6.9	1.58	12	33	170
			Mahudi	7.62	6.68	1.55	14	170	350
			Chiloda	7.8	6.47	0.91	18	12	70
			Hansol Bridge	7.18	6.29	1.03	16	12	60
			Railway Bridge	7.35	5.08	2.28	15	12	70
			V N Bridge	7.45	5.48	1.12	38	170	540
			Miroli	7.45	4.67	6	25	920	1600
			Vautha	7.7	5.24	12	30	>1600	>1600
17	October-2022		Kheroj	7.65	6.45	1.13	17	<1.8	33
			Mahudi	7.92	4.94	2.23	11	04	33
			Chiloda	7.64	6.53	2.3	11	12	70
			Hansol Bridge	7.36	5.66	1.17	14	06	47
			Railway Bridge	7.74	5.97	1.24	15	12	110
			V N Bridge	7.22	2.21	14	58	>1600	>1600
			Miroli	7.31	4.60	8	31	>1600	>1600
			Vautha	7.30	3.48	12	36	>1600	>1600
18	November-2022		Kheroj	7.71	6.75	1.42	9	04	33
			Mahudi	8.01	6.06	1.01	9	04	70
			Chiloda	Sample was not collected due to river found Dry					
			Hansol Bridge	7.80	6.05	1.54	09	12	70
			Railway Bridge	7.45	5.17	2.22	24	70	350
			V N Bridge	7.49	BDL	43	201	>1600	>1600
			Miroli	7.73	6.54	2.72	27	>1600	>1600
			Vautha	7.78	3.41	5.98	33	>1600	>1600

19	December-2022		Kheroj	7.06	7.66	1.84	11	06	33
			Mahudi	7.89	7.00	1.72	12	06	33
			Chiloda	Sample was not collected due to river found Dry					
			Hansol Bridge	7.15	7.23	1.43	12	04	33
			Railway Bridge	7.18	3.71	4.91	18	47	350
			V N Bridge	7.24	0.29	32	87	>1600	>1600
			Miroli	7.40	0.95	27	89	>1600	>1600
			Vautha	7.71	1.52	23	76	>1600	>1600
20	January-2023		Kheroj	7.89	6.91	1.39	09	06	47
			Mahudi	7.81	6.11	1.08	09	06	63
			Chiloda	Sample was not collected due to river found Dry					
			Hansol Bridge	7.70	7.35	1.47	10	06	63
			Railway Bridge	7.42	4.72	2.47	24	110	350
			V N Bridge	8.01	0.35	25	103	>1600	>1600
			Miroli	7.30	BDL	20	85	>1600	>1600
			Vautha	7.5	0.51	21	55	>1600	>1600
21	February-2023		Kheroj	7.54	5.09	1.38	11	<1.8	21
			Mahudi	8.29	5.77	0.98	12	12	70
			Chiloda	Sample was not collected due to river found Dry					
			Hansol Bridge	7.70	5.21	1.81	19	04	49
			Railway Bridge	8.08	5.13	1.66	17	70	350
			V N Bridge	7.30	BDL	104	328	>1600	>1600
			Miroli	7.42	1.70	24	73	>1600	>1600
			Vautha	7.85	BDL	25	84	>1600	>1600

22	March-2023		Kheroj	Sample was not collected as no flow observed					
			Mahudi	Sample was not collected due to river found stagnant condition					
			Chiloda	Sample was not collected due to river found Dry					
			Hansol Bridge	7.60	6.77	1.36	11	12	70
			Railway Bridge	7.82	6.86	1.46	14	70	280
			V N Bridge	7.10	BDL	54	175	>1600	>1600
			Miroli	7.42	1.06	19	45	>1600	>1600
			Vautha	7.38	3.37	17	46	>1600	>1600
23	April-2023		Kheroj	Sample was not collected as no flow observed					
			Mahudi	Sample was not collected due to river found stagnant condition					
			Chiloda	Sample was not collected due to river found Dry					
			Hansol Bridge	7.52	6.94	1.14	08	12	110
			Railway Bridge	7.00	2.79	4.15	18	170	540
			V N Bridge	7.10	0.85	33	143	>1600	>1600
			Miroli	7.57	0.53	28	100	>1600	>1600
			Vautha	7.97	5.18	07	44	>1600	>1600
24	May-2023		Kheroj	Sample was not collected as no flow observed					
			Mahudi	Sample was not collected due to river found stagnant condition					
			Chiloda	Sample was not collected due to river found Dry					
			Hansol Bridge	8.14	5.97	1.85	36	12	96
			Railway Bridge	8.08	4.57	1.84	42	110	350
			V N Bridge	7.24	BDL	105	434	>1600	>1600
			Miroli(13423)	7.76	BDL	20	92	>1600	>1600
			Vautha	7.45	1.54	21	82	>1600	>1600

25	June-2023		Kheroj	Sample was not collected as no flow observed					
			Mahudi	Sample was not collected due to river found stagnant condition					
			Chiloda	Sample was not collected due to river found Dry					
			Hansol Bridge	7.35	2.62	1.70	46	33	120
			Railway Bridge	7.30	0.69	46	163	>1600	>1600
			V N Bridge	7.28	BDL	56	268	>1600	>1600
			Miroli (13423)	7.95	1.49	31	110	>1600	>1600
			Vautha	8.02	1.30	8	54	>1600	>1600
26	July-2023		Kheroj	8.07	6.9	1.02	14	12	50
			Mahudi	Sample was not collected due to river found stagnant condition					
			Chiloda	Sample was not collected due to river found Dry					
			Hansol Bridge	Sample was not collected due to river found stagnant condition					
			Railway Bridge	8.01	5.8	2.46	36	170	540
			V N Bridge	7.20	BDL	50	237	>1600	>1600
			Miroli (13423)	7.71	0.90	15	63	>1600	>1600
			Vautha	7.85	1.29	12	49	>1600	>1600
27	August-2023		Kheroj	7.97	7.36	1.02	14	12	50
			Mahudi	8.04	5.79	1.03	10	-	-
			Chiloda	7.40	BDL	36	138	-	-
			Hansol Bridge	8.24	6.84	1.19	16	33	170
			Railway Bridge	7.89	5.06	1.14	13	33	240
			V N Bridge	7.50	BDL	48	218	>1600	>1600
			Miroli (13423)	7.26	2.52	11	66	>1600	>1600

			Vautha	7.93	3.57	23	86	>1600	>1600
28	September-2023		Kheroj	8.06	6.2	1.02	14	12	50
			Mahudi	8.26	4.1	2	13	-	-
			Chiloda	8.35	5.1	1	7	-	-
			Hansol Bridge	7.73	4.2	1.0	06	12	70
			Railway Bridge	8.25	6.5	1.0	08	21	110
			V N Bridge	7.37	BDL	82	156	>1600	>1600
			Miroli (13423)	7.21	BDL	20	75	>1600	>1600
			Vautha	8.36	3.5	27	58	>1600	>1600
29	October-2023		Kheroj	7.37	7.34	0.69	05	<1.8	18
			Mahudi	7.48	6.85	0.85	16	-	-
			Chiloda	8.14	5.6	0.83	10	-	-
			Hansol Bridge	7.42	5.89	1.56	10	04	47
			Railway Bridge	7.53	5.47	2.04	22	70	210
			V N Bridge	7.21	1.2	12	48	>1600	>1600
			Miroli (13423)	7.67	3.9	08	34	>1600	>1600
			Vautha	7.63	4.1	08	36	>1600	>1600
30	Nov-2023		Kheroj	7.23	7.64	0.76	11	<1.8	12
			Mahudi	7.96	7.16	0.85	08	<1.8	17
			Chiloda	7.92	7.0	1.03	16	04	33
			Hansol Bridge	7.94	6.93	0.96	17	12	70
			Railway Bridge	7.69	6.62	1.06	15	120	350
			V N Bridge	7.10	BDL	43	208	>1600	>1600
			Miroli (13423)	7.39	4.86	23	112	>1600	>1600

			Vautha	7.65	1.54	12	38	>1600	>1600
31	Dec-2023		Kheroj	7.75	6.14	0.88	10	<1.8	06
			Mahudi	8.38	7.09	0.85	11	<1.8	13
			Chiloda	8.45	6.73	0.96	12	<1.8	21
			Hansol Bridge	8.11	7.65	0.82	18	<1.8	17
			Railway Bridge	7.94	6.84	1.12	17	70	350
			V N Bridge	7.17	BDL	72	364	>1600	>1600
			Miroli (13423)	7.59	BDL	26	72	>1600	>1600
			Vautha	8.04	3.53	06	21	>1600	>1600
32	Jan-2024		Kheroj	7.64	7.59	0.63	07	<1.8	04
			Mahudi	8.75	8.05	0.71	09	<1.8	11
			Chiloda	Sample was not collected due to river found Dry					
			Hansol Bridge	8.46	7.57	0.82	11	04	26
			Railway Bridge	8.25	8.04	0.82	12	20	240
			V N Bridge	Represantive Sample could not be collected from this location due to renovation of V N bridge was going on (Coffer Structure).					
			Miroli (13423)	7.52	1.84	19	83	>1600	>1600
			Vautha	8.07	1.83	20	61	>1600	>1600
33	Feb-24		Kheroj	7.71	7.86	0.66	11	<1.8	15

			Mahudi	8.23	7.44	0.76	10	<1.8	21
			Chiloda	Sample was not collected due to river found Dry					
			Hansol Bridge	7.94	6.94	1.22	10	12	70
			Railway Bridge	8.20	7.03	1.22	11	70	350
			V N Bridge	7.30	0.38	56	223	>1600	>1600
			Miroli (13423)	7.46	1.00	23	115	>1600	>1600
			Vautha	7.48	BDL	17	72	>1600	>1600
34	March-24		Kheroj	7.35	7.84	0.85	11	7	46
			Mahudi	Sample was not collected as river found stagnant					
			Chiloda	Sample was not collected as river found Dry					
			Hansol Bridge	8.40	8.09	0.75	7	4	21
			Railway Bridge	8.46	7.77	0.86	9	4	70
			V N Bridge	7.11	BDL	39	210	>1600	>1600
			Miroli (13423)	7.3	0.4	22	105	>1600	>1600
			Vautha	7.59	0.8	22	82	>1600	>1600
35	April - 2024		Kheroj	Sample was not collected as no flow observed					
			Mahudi	Sample was not collected as river found stagnant					
			Chiloda	Sample was not collected as river found Dry					

			Hansol Bridge	8.16	6.63	1.02	13	12	70
			Railway Bridge	8.27	4.32	0.89	14	70	350
			V N Bridge	7.34	BDL	42	394	>1600	>1600
			Miroli (13423)	7.67	BDL	28	71	>1600	>1600
			Vautha	7.93	BDL	22	85	>1600	>1600
36	May - 2024		Kheroj	Sample was not collected as no flow observed					
			Mahudi	Sample was not collected as river found stagnant					
			Chiloda	Sample was not collected as river found Dry					
			Hansol Bridge	Sample was not collected as river found stagnant					
			Railway Bridge	Sample was not collected as river found stagnant					
			V N Bridge	7.40	BDL	82	320	>1600	>1600
			Miroli (13423)	7.62	BDL	26	70	>1600	>1600
			Vautha	7.67	0.77	14	73	>1600	>1600
37	June-24		Kheroj	Sample was not collected as no flow observed					
			Mahudi	Sample was not collected as river found stagnant					
			Chiloda	Sample was not collected as river found Dry					
			Hansol Bridge	Sample was not collected as river found stagnant					
			Railway Bridge	Sample was not collected as river found stagnant					

			V N Bridge	7.17	BDL	65	319	>1600	>1600
			Miroli (13423)	7.42	1.8	29	137	>1600	>1600
			Vautha	7.76	BDL	18	69	>1600	>1600
38	July-24		Kheroj	7.28	6.47	0.69	09	<1.8	12
			Mahudi	Sample was not collected as river found stagnant					
			Chiloda	Sample was not collected as river found Dry					
			Hansol Bridge	7.29	5.44	0.89	15	12	110
			Railway Bridge	7.18	3.44	1.87	27	120	350
			V N Bridge	6.78	0.3	66	362	>1600	>1600
			Miroli (13423)	7.00	1.21	16	60	>1600	>1600
			Vautha	7.24	1.0	10	42	>1600	>1600
39	Aug-24		Kheroj	7.18	6.69	0.71	09	04	33
			Mahudi	7.29	5.78	0.82	09	<1.8	21
			Chiloda	7.01	4.97	0.89	10	06	47
			Hansol Bridge	Sample not collected due to stagnant water					
			Railway Bridge	Sample not collected due to stagnant water					
			V N Bridge	6.54	0.34	64	276	>1600	>1600
			Miroli (13423)	7.01	0.23	24	74	>1600	>1600
			Vautha	7.29	1.03	12	64	>1600	>1600

40	Sept-2024		Kheroj	7.18	6.89	0.85	9	<1.8	17
			Mahudi	Reslult not submited					
			Chiloda	7.55	6.9	1.02	9	6	63
			Hansol Bridge	7.38	7.45	0.68	9	6	47
			Railway Bridge	7.27	7.36	0.79	7	8	110
			V N Bridge	7.17	7.00	0.85*	12*	920	1600
			Miroli (13423)	7.1	5.33	3.62*	16*	>1600	>1600
			Vautha	7.25	6.12	1.25*	26*	350	920
41	Oct-2024		Kheroj	7.45	7.19	0.76	8	<1.8	7
			Mahudi	7.84	5.98	0.64	7	4	21
			Chiloda	8.15	7.02	0.71	10	4	26
			Hansol Bridge	7.55	6.93	0.74	8	14	49
			Railway Bridge	7.67	6.62	.68	9	17	110
			V N Bridge	7.36	4.27	6	18	>1600	>1600
			Miroli (13423)	7.57	3.42	6	20	>1600	>1600
			Vautha	7.31	3.5	1.87	17	>1600	>1600

(Note: * Sample collected from River Sabarmati at V.N. Bridge in Sept -24 found clear in appearance during sampling because of ongoing rainy season & fresh water inflow due to opening of gates of Vasana barriage. Hence, the analysis results of water sample collected during sept-24 shows drastic reduction.)

(B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River for Oct - 2024:

Sr No	Bore wells	pH	BOD(mg/I)	COD(mg/I)	TDS(mg/I)
1.	**Gandhi Ashram**, Ahmedabad	6.83	0.89	7	936
2.	**Jain Temple**, Ahmedabad (Half yearly	Sample is not collected due to Half year (6M) project			
3.	**P T College**, Ahmedabad	7.70	0.86	7	348
4.	**Pirana Pumping Station**, Ahmedabad (Half Yearly)	Sample is not collected due to Half year (6M) project			
5.	**GyaspurNr.MSW Site**, Ahmedabad	borewell was found demolished			
6.	**Ajmeri Farm**, Ahmedabad	7.53	0.75	23	1604
7.	**Excel Industries**, Ahmedabad	Borewell found closed			
8.	**UPL Djl**, Ahmedabad	Bore well under maintenance			
9.	**Miroli Pumping Station**, Ahmedabad(**10837)**	Sample is not collected due to three monthly (3M) project.			
10.	**NaklangMahadev**, Ahmedabad(**10823**)	Sample is not collected due to three monthly (3M) project.			
11.	**Paldi-Kankaj**, Ahmedabad**(10824)**	Sample is not collected due to three monthly (3M) project.			
12.	**GIDC Naroda**, Ahmedabad**(10817)**	7.68	0.71	8	804
13.	**GIDC-Vatva**, Ahmedabad**(10820)**	7.49	0.84	8	1762
14.	**GIDC-GVMM**, Ahmedabad**(10821)**	7.94	0.85	8	1196
15.	**GIDC-Odhav**, Ahmedabad**(10804)**	7.62	0.85	9	1620
16.	**Narol,** Ahmedabad (closed)	--	--	--	--

(C)

Drains Details with Flow:

Drains Details with Flow:

Total No of drains:-11

Major Drains:

- Outfall of old city area, danilimda (D/S of Vasna Barrage)
- AMC storm water drain (Danilimda)-30 MLD
- Pumping Station 76 MLD (Old Vasna area)
- Pumping Station 182 MLD (Old Pirana area)
- Outfall of new city area, Vasna ((D/S of Vasna Barrage)
- Domestic waste water discharged at WaghaKotar, Sukhadeshwar Pumping station, PethapurNagarpalika, flow-55.3 MLD
- Domestic waste water discharged through natural drain nala, Village – Koteshwar, flow- 0.73 MLD
- Domestic waste water discharged through 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

Directions u/s 33/A of Water Act have been issued by GPCB to Ahmedabad Urban Development Authority, Gandhinagar Municipal Corporation (Pethapur), Gram Panchayats of village Koteshwar, Bhat & Nana Chiloda asking them to take following measures:

1. To get detailed survey of untreated sewage discharge into River Sabarmati in terms of latitude longitude, flow, population, sewage characteristics etc under your jurisdiction.
2. To take immediate steps to stop discharge of untreated sewage directly into the river under your jurisdiction or inform to concerned authority if not covered under your jurisdiction.
3. To submit a Short term & long term action plan with Gantt Chart for each discharge point within 15 days.
4. Provide an interim treatment system as mentioned in Hon. NGT orders dt.22/02/2021.
5. Ensure that no any untreated & unauthorized sewage shall be discharge into the River from existing as well as new residential projects/society under your jurisdiction. Necessary directions for adequate treatment & disposal of sewage shall be issued by you.

(D)

STP & CETP results

STP Results (Oct - 2024)

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)	7.36	8	50	350	-
2	AMC PIRANA STP 106 MLD (UASB TYPE)	7.30	24	46	>1600	-
3	AMC PIRANA STP 180 MLD (ASP TYPE)	7.43	6	20	540	-
4	AMC VASNA OLD STP 126 MLD (UASB TYPE)	Renovation & new STP installation work is going on				
5	AMC VASNA STP 35 MLD (ASP TYPE)	7.37	21	20	>1600	-
6	AMC VASNA STP 240 MLD (ASP TYPE)	7.39	22	40	>1600	-
7	AMC VASNA STP 48 MLD (SBR TYPE)	7.48	6	12	220	-
8	AMC STP 60 MLD, VADAJ (SBR TYPE)	7.43	6	22	120	
9	AMC STP 25 MLD, (SBR TYPE)	7.61	<5	24	>1600	-

CETP Results (Oct- 2024)

Sr. No	Parameters	pH	COD(mg/I)	BOD(mg/I)
	Discharging norms of CETPs	**6.5 – 8.5**	**250**	**30**
1.	CETP GREEN VATVA(14438)			
2.	CETP NEPL(12718)			
3.	CETP OEPL(12890)			
4.	CETP OGEPL(12891)			
5.	CETP GVMM(11536)			
6.	NAROL DYE STUFF CETP(12720)			
7.	Narol Textile Infrastructure &Enviro Management (Narol Textile CETP)(34244)			

Note: GPCB has given work to NEERI for carrying out study for 07 CETPs relating to the treatability of the CETPs of Ahmedabad area and to suggest the necessary repairs, overhauling, upgradation, retrofication and modernization. NEERI has carried out rigorous study and final reports have been received. Based on final reports directions to all 07 CETPs issued by GPCB to implement the observations, suggestions and recommendations of NEERI in time bound manner.

GPCB has assign a work to GEMI for carring out study related to groundwater quality along the Sabarmati river stretches from Gandhinagar to the location where the river meets the Gulf of Khambhat. GEMI has submitted final report on 07.10.2022. Reviewing of the Final report is under progress.

GPCB has given work to carry out Drone Survey for "Identifying all the types of treated and untreated sewage and or industrial effluent outfalls into Sabarmati River through Drone based technology. Total 123 nos. of outfalls identified during drone survey; quantification and characterization of these outfalls are under process.

17. Shedhi

(A)

Progress/Status Report of the River/PRS water quality monitoring for the Month October – 2024:

Sr. No.	Month/ Date	Location ID	Name of Location	Parameter					
				pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	Fecal coliform (MPN/ 100ml)	Total coliform (MPN/100 ml)
1	June-2021		River Shedhi at Kheda Matar Bridge	7.65	6.6	0.6	17	350	540
2	July-2021		As above	7.72	3.8	2.3	23	110	210
3	August-2021		As above	7.19	7.0	0.9	8.0	350	540
4	September-2021		As above	7.15	3.6	2.3	10	350	540
5	October-2021		As above	8.43	3.2	1.5	13	350	540
6	November-2021		As above	7.74	2.3	1.7	13	350	540
7	Dec – 2021		As above	7.84	3.4	1.7	20	350	540
8	January-2022		As above	8.41	6.8	0.8	12	540	920

9	February-2022		As above	8.15	6.1	0.8	11	540	920
10	March-2022		As above	7.9	3.7	2.2	20	>1600	>1600
11	April-2022		As above	8.81	7.3	3.8	72	>1600	>1600
12	May-2022		As above	8.01	6.4	2.9	38	>1600	>1600
13	June-2022		AS above	7.49	5.6	2.4	30	120	240
14	July-2022		As above	7.69	3.1	2.6	35	210	350
15	August-2022		As above	8.16	5.6	2.4	11	110	350
16	September-2022		As above	7.71	3.7	2.8	14	170	540
17	October-2022		As above	8.19	5.5	3.5	15	540	920
18	November-2022		As above	8.26	5.7	3.8	16	540	920
19	December-2022		As above	8.39	4.3	3.7	15	>1600	>1600
20	January-2023		As above	8.48	4.5	2.7	12	240	300
21	February-2023		As above	8.44	6.7	1.3	170	170	500
22	March-2023		As above	7.7	4.6	1.5	34	300	500
23	April-2023		As above	7.8	6.2	1.1	12	500	1600
24	May-2023		As above	8.3	4.9	1.5	31	900	>1600
25	June-2023		As above	7.99	6.2	1.2	11	>1600	>1600
26	July-2023		As above	7.68	7	0.8	10	900	>1600
27	August-2023		As above	7.68	7.2	0.6	8	900	>1600
28	September-2023		As above	8.4	6.2	1.4	17	500	>1600
29	October-2023		As above	7.7	7.0	1.0	16	500	900
30	November-2023		As above	7.7	4.1	2.4	35	>1600	>1600
31	December-		As above	8.0	2.4	1.8	57	>1600	>1600

	2023								
32	January-2024		As above	8.3	5.3	1.6	25	>1600	>1600
33	February-2024		As above	7.69	5.2	1.8	12	>1600	>1600
34	March – 2024		As above	8	5.2	2.3	41	920	>1600
35	April – 2024		As above	8.06	5.4	2.5	41	>1600	>1600
36	May – 2024		As above	8.06	5.7	2.1	56	>1600	>1600
37	June -2024		As above	8.4	5.1	2.6	32	>1600	>1600
38	July -2024		As above	7.7	5.9	2.1	20	>1600	>1600
39	Aug -2024		As above	8.2	5.9	1.9	23	>1600	>1600
40	Sep-2024		As above	7.8	5.7	1.4	15	>1600	>1600
41	Oct-2024		As above	7.8	5.0	1.4	56	>1600	>1600

(B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River for Oct - 2024:

Month	Location	pH	BOD (mg/l)	COD (mg/l)
Oct -2024	Borewell Nadiad GIDC Water Works	7.7	0.9	8

(C)

Drains Details with Flow

Sr.No.	Location	Name of Inletting River/Drain	Discharge (MLD)	
			Max.	Min.
1	Nadiad	Natural Drain	24	15
2	Kheda	Natural drain	0.020	0.010

(D)
STP & CETP Results

Nadiad STP Results (Oct– 2024)

Sample Date	sampling point	BOD (mg/l)	COD (mg/l)	FC (MPN/100 ml)	pH	SS (mg/l)	TDS (mg/l)	NH3-N
09/10/2024	**From the final outlet of STP**	19	88	170	7.4	30	1878	12
Standard		**<10**				**<10**		

CETP Results:
Not Applicable, No CETP in the PRS

18. Tapi

(A)
Progress/Status Report of the River/PRS water quality monitoring for the Month October -2024:

Sr. No.	Month/ Date	Location ID	Name of Location	Parameter					
				pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	Fecal coliform (MPN/ 100ml)	Total coliform (MPN/100 ml)
1	June-2021		Kathor, N.H. 8	8.33	7.1	1.0	8	11	40
			Varachha Bridge	8.42	7.0	1.1	9	14	58
			ONGC Bridge	7.35	6.1	1.9	23	17	46
			Rander	8.4	7.2	0.9	6	12	40
			Swamivivekanand	7.45	5.5	2.8	25	43	120

			Bridge						
			Sardar Bridge	7.45	5.6	2.6	21	23	70
			Umara Temple	7.47	6.0	2.0	-	24	94
2	July-2021		Kathor, N.H. 8	7.93	6.8	1.4	7	14	48
			Varachha Bridge	7.95	7.0	1.2	8	17	63
			ONGC Bridge	7.69	5.4	1.8	22	21	58
			Rander	7.81	7.2	1.0	6	17	70
			Swamivivekanand Bridge	7.53	4.8	2.4	13	47	140
			Sardar Bridge	7.62	5.2	2.0	12	38	120
			Umara Temple	7.51	5.0	2.2	-	20	63
3	August-2021		Kathor, N.H. 8	7.40	7.2	0.9	7	17	58
			Varachha Bridge	7.58	7.0	1.0	8	20	70
			ONGC Bridge	7.52	6.1	1.8	24	22	63
			Rander	7.81	7.2	0.9	5	33	120
			Swamivivekanand Bridge	7.73	5.9	2.2	18	49	150
			Sardar Bridge	7.78	5.7	2.3	19	43	140
			Umara Temple	7.76	6.2	1.9	-	17	58
4	September-2021		Kathor, N.H. 8	7.95	7.1	1.1	9	10	41
			Varachha Bridge	7.65	7.0	1.2	9	17	58
			ONGC Bridge	7.55	6.4	2	22	17	58
			Rander	7.69	7.0	1.1	9	26	94
			Swamivivekanand Bridge	7.21	6.6	1.9	12	47	140
			Sardar Bridge	7.3	6.7	1.9	13	41	120
			Umara Temple	7.26	6.4	1.9	-	14	46
5	October-2021		Kathor, N.H. 8	7.95	7.3	0.9	5	25	84

			Varachha Bridge	7.81	7.2	1	6	31	120
			ONGC Bridge	7.98	6.6	1.4	12	23	84
			Rander	8.29	7.1	0.9	7	25	84
			Swamivivekanand Bridge	7.81	6.9	1	8	58	150
			Sardar Bridge	7.7	6.8	1.1	9	48	120
			Umara Temple	7.76	6.7	1.3	-	40	94
6	November-2021		Kathor, N.H. 8	8.18	7.2	0.8	7	12	43
			Varachha Bridge	8.27	7	1	7	17	63
			ONGC Bridge	7.67	6.2	1.9	22	12	47
			Rander	8.09	7.1	1	8	32	110
			Swamivivekanand Bridge	7.57	6.8	1.3	10	43	150
			Sardar Bridge	7.46	6.5	1.5	11	41	110
			Umara Temple	7.4	6.4	1.6	-	14	48
7	December-2021		Kathor, N.H. 8	8.14	7.2	0.9	6	6	33
			Varachha Bridge	8.32	7.2	1	6	17	63
			ONGC Bridge	7.37	6.2	2.4	21	17	46
			Rander	8.22	7.1	1.1	7	22	110
			Swamivivekanand Bridge	7.91	6.2	2	19	33	130
			Sardar Bridge	7.94	6.1	2.1	19	11	46
			Umara Temple	7.7	6	2.2	20	17	58
8	January - 2022		Kathor, N.H. 8	8.15	7.2	1	7	10	31
			Varachha Bridge	7.74	6.9	1.1	9	17	46
			ONGC Bridge	7.49	6.3	2	24	12	46
			Rander	8.18	7.4	1.2	7	14	43
			Swamivivekanand	7.36	6.1	1.9	21	12	43

			Bridge						
			Sardar Bridge	7.58	6.2	2	22	12	43
			Umara Temple	7.61	6.4	1.8	24	17	63
9	February-2022		Kathor, N.H. 8	8.13	7.2	1.1	8	6	26
			Varachha Bridge	8.45	7.1	1.1	9	10	47
			ONGC Bridge	7.82	6.37	2.4	24	12	31
			Rander	8.22	7	1.1	8	17	43
			Swamivivekanand Bridge	7.82	6.4	2.4	22	12	34
			Sardar Bridge	7.87	6.6	2.2	23	10	27
			Umara Temple	7.81	6.2	2.3	24	14	43
10	March-2022		Kathor, N.H. 8	8.49	7.3	1	7	6	27
			Varachha Bridge	8.46	7.2	1	8	11	43
			ONGC Bridge	8.25	6.5	2.5	25	11	47
			Rander	8.45	7.1	1.2	9	6	33
			Swamivivekanand Bridge	8.5	6.5	2.5	20	10	43
			Sardar Bridge	8.47	6.3	2.2	22	17	58
			Umara Temple	8.45	6.5	2.3	23	15	40
11	April-2022		Kathor, N.H. 8	7.84	7.1	1.1	8	6	22
			Varachha Bridge	7.87	7.1	1.0	7	10	46
			ONGC Bridge	7.41	7.1	2.0	24	12	48
			Rander	8.46	7	1.2	9	10	43
			Swamivivekanand Bridge	7.41	5.9	2	24	12	48
			Sardar Bridge	7.63	6.3	2.1	20	12	43
			Umara Temple	7.64	6.2	2.3	21	14	39
12	May-2022		Kathor, N.H. 8	7.86	7	0.9	8	12	27

			Varachha Bridge	7.9	6.9	1.1	9	14	32
			ONGC Bridge	7.44	6.8	1.6	21	14	46
			Rander	8.49	7	1	9	12	33
			Swamivivekanand Bridge	7.44	6.8	1.6	21	14	46
			Sardar Bridge	7.69	6.7	1.6	22	22	48
			Umara Temple	7.68	6.6	1.9	--	17	40
13	June-2022		Kathor, N.H. 8	8.43	7	0.9	8	14	34
			Varachha Bridge	8.17	7.1	1.1	10	17	43
			ONGC Bridge	8.11	6.5	2.4	24	10	41
			Rander	8.38	6.8	1.2	10	10	27
			Swamivivekanand Bridge	7.9	6.4	2	28	12	43
			Sardar Bridge	7.67	6.4	2.3	25	14	46
			Umara Temple	7.98	6.3	2.2	--	13	43
14	July-2022		Kathor, N.H. 8	8.1	6.8	0.9	8	6,	27
			Varachha Bridge	7.8	6.7	1.1	8	17	48
			ONGC Bridge	7.9	6.4	1.6	14	10	43
			Rander	7.9	6.9	1	8	17	48
			Swamivivekanand Bridge	7.66	6.6	1.8	16	12	34
			Sardar Bridge	7.61	6.6	1.7	18	10	40
			Umara Temple	7.72	6.5	1.9	-	14	58
15	August-2022		Kathor, N.H. 8	8.5	6.9	0.8	6	6	22
			Varachha Bridge	8.45	6.8	1	10	14	46
			ONGC Bridge	8.54	6.6	1.4	26	12	40
			Rander	8.5	6.9	1	8	6	31
			Swamivivekanand	8.47	6.6	1.6	28	17	63

			Bridge						
			Sardar Bridge	8.55	6.7	1.5	26	17	58
			Umara Temple	8.53	6.2	1.7	28	12	38
16	September-2022		Kathor, N.H. 8	8.43	7	1.1	7	6	27
			Varachha Bridge	8.25	6.9	0.9	8	12	40
			ONGC Bridge	8.28	6.5	1.9	28	14	41
			Rander	8.35	7	1.0	10	14	46
			Swamivivekanand Bridge	8.26	7	1.2	26	17	58
			Sardar Bridge	8.06	6.7	1.4	28	21	63
			Umara Temple	8.35	6.4	1.6	30	17	48
17	October-2022		Kathor, N.H. 8	8.08	7.1	1	8	12	34
			Varachha Bridge	8.1	7.2	0.9	7	14	47
			ONGC Bridge	8.01	6.4	1.9	26	14	43
			Rander	7.95	6.9	1	8	17	48
			Swamivivekanand Bridge	7.85	6.8	1.2	24	12	46
			Sardar Bridge	7.87	6.5	1.5	28	17	58
			Umara Temple	7.8	6.5	1.7	-	10	39
18	November-2022		Kathor, N.H. 8	8.47	7.3	0.8	8	6	26
			Varachha Bridge	8.48	7.1	1	8	10	39
			ONGC Bridge	7.22	6	1.4	20	6	48
			Rander	8.44	7.2	0.9	10	6	26
			Swamivivekanand Bridge	8.32	6	1.1	13	10	47
			Sardar Bridge	8.46	6	1.3	12	10	48
			Umara Temple	8.3	5.2	1.5	-	6	27
19	December-2022		Kathor, N.H. 8	8.22	7.2	1.0	6	6	27

			Varachha Bridge	8.16	7.0	1.2	8	6	27
			ONGC Bridge	8.30	5.8	1.9	20	14	41
			Rander	8.48	6.9	1.0	10	6	31
			Swamivivekanand Bridge	7.74	5.7	1.9	16	12	40
			Sardar Bridge	7.78	5.6	2.1	16	14	46
			Umara Temple	8.25	5.7	2.0		13	48
20	January-2023		Kathor, N.H. 8	8.16	8.0	0.8	10	21	49
			Varachha Bridge	8.17	8.0	1.0	12	10	47
			ONGC Bridge	7.60	6.0	2.3	28	10	39
			Rander	8.11	7.4	1.0	20	17	58
			Swamivivekanand Bridge	7.70	7.0	2.6	19	12	46
			Sardar Bridge	7.68	7.0	2.4	20	14	58
			Umara Temple	7.54	5.1	2.8	25	13	49
21	February-2023		Kathor, N.H. 8	8.48	7.1	0.9	8	11	43
			Varachha Bridge	8.44	7	1.9	12	10	48
			ONGC Bridge	8.08	5.5	1.6	24	11	38
			Rander	8.48	7	2	18	12	46
			Swamivivekanand Bridge	8.13	5.3	1.9	21	11	41
			Sardar Bridge	8.17	6	1.8	22	17	49
			Umara Temple	8.11	5.8	1.9	--	11	48
22	March-2023		Kathor, N.H. 8	8.16	7.2	1.1	8	10	48
			Varachha Bridge	8.32	7.0	1.0	10	14	58
			ONGC Bridge	7.70	6.3	2.0	27	6	32
			Rander	8.41	7.1	1.0	12	11	43
			Swamivivekanand	7.86	6.5	1.9	18	6	41

			Bridge						
			Sardar Bridge	7.89	6.5	2.0	21	10	47
			Umara Temple	7.73	6.4	2.0	-	6	40
23	April-2023		Kathor, N.H. 8	8.46	7.2	1.5	8	6	48
			Varachha Bridge	8.42	7.0	2.4	13	10	43
			ONGC Bridge	7.92	6.0	2.4	26	13	41
			Rander	8.48	7.1	2.6	15	13	47
			Swamivivekanand Bridge	7.98	6.0	2.3	22	13	48
			Sardar Bridge	7.92	6.0	2.3	23	14	47
			Umara Temple	7.75	6.0	2.5	--	10	47
24	May-2023		Kathor, N.H. 8	8.40	7.2	1.5	8	10	31
			Varachha Bridge	8.49	7.2	1.7	10	13	48
			ONGC Bridge	7.70	6.1	2.4	20	10	40
			Rander	8.49	7.2	1.8	10	17	46
			Swamivivekanand Bridge	7.77	6.1	2.4	23	17	48
			Sardar Bridge	7.85	6.0	2.7	25	17	63
			Umara Temple	7.80	6.0	2.6	--	12	70
25	June-2023		Kathor, N.H. 8	8.47	7.2	1.3	9	10	32
			Varachha Bridge	7.46	7.0	1.6	11	12	41
			ONGC Bridge	8.25	6.2	1.6	22	12	32
			Rander	8.48	7.1	1.4	11	10	17
			Swamivivekanand Bridge	8.48	6.6	1.5	26	12	40
			Sardar Bridge	8.42	6.5	1.6	26	12	32
			Umara Temple	8.47	6.5	1.6	----	10	33
26	July-2023		Kathor, N.H. 8	8.3	7.4	1.8	6	6	24

			Varachha Bridge	8.38	7.3	1.6	6	10	31
			ONGC Bridge	7.8	6.9	2.4	16	10	47
			Rander	8.18	7.3	1.6	6	11	47
			Swamivivekanand Bridge	8.06	7	2	10	14	47
			Sardar Bridge	8.25	7	2.1	9	10	33
			Umara Temple	7.5	6.2	2.3	--	12	46
27	August-2023		Kathor, N.H. 8	7.40	7.2	1.9	6	10	26
			Varachha Bridge	7.37	7.1	1.8	8	10	25
			ONGC Bridge	6.98	6.6	2.3	24	6	27
			Rander	7.56	7.0	1.8	6	6	21
			Swamivivekanand Bridge	7.50	7.0	1.8	12	6	22
			Sardar Bridge	7.50	7.1	2.0	14	6	17
			Umara Temple	7.48	6.8	2.2	-	4	26
28	September-2023		Kathor, N.H. 8	6.96	7.1	1.7	6	6	26
			Varachha Bridge	6.98	7.0	1.8	7	10	31
			ONGC Bridge	6.66	7.0	2.5	26	12	40
			Rander	7.12	7.2	1.9	9	14	39
			Swamivivekanand Bridge	6.84	7.1	2.0	22	6	32
			Sardar Bridge	6.77	7.0	1.9	24	10	34
			Umara Temple	6.74	6.9	2.4	-	10	39
29	October-2023		Kathor, N.H. 8	8.18	7.2	1.1	10	17	58
			Varachha Bridge	8.22	7.1	1.2	12	14	39
			ONGC Bridge	8.17	6.4	1.6	18	11	47
			Rander	7.77	7	1.4	10	17	58

			Swamivivekanand Bridge	7.16	6.4	1.4	22	11	39
			Sardar Bridge	7.68	6.4	1.8	26	10	34
			Umara Temple	8.05	6.2	1.8	-	12	40
30	November-2023		Kathor, N.H. 8	6.84	7.2	1.2	7	17	40
			Varachha Bridge	6.74	7.2	1.5	8	14	33
			ONGC Bridge	6.75	6.6	2.4	24	12	33
			Rander	7.82	7.1	1.6	8	14	34
			Swamivivekanand Bridge	7.10	6.5	2.3	13	15	41
			Sardar Bridge	7.07	6.7	2.3	14	15	40
			Umara Temple	7.10	6.8	2.2	-	14	39
31	December-2023		Kathor, N.H. 8	7.5	7.3	1.2	7	11	39
			Varachha Bridge	7.52	7	1.5	8	12	47
			ONGC Bridge	6.92	6	2.4	22	11	48
			Rander	7.48	6.9	2	10	17	58
			Swamivivekanand Bridge	7.48	6	2.1	20	10	58
			Sardar Bridge	7.29	6.1	2.3	1.8	10	39
			Umara Temple	7.24	6	2.7	-	12	47
32	January-2024		Kathor, N.H. 8	7.07	7.2	0.8	8	<1.8	15
			Varachha Bridge	7.22	7.4	1	10	12	49
			ONGC Bridge	6.72	6.4	2.3	26	10	33
			Rander	7.26	7.4	1.4	14	10	39
			Swamivivekanand Bridge	7.61	6.3	1.9	18	12	46
			Sardar Bridge	7.32	6.2	2	22	12	43

			Umara Temple	7.17	6.3	2.4	--	17	48
33	Fabruary-2024		Kathor, N.H. 8	7.40	7.3	1	8	10	40
			Varachha Bridge	7.33	7.2	1.2	10	6	33
			ONGC Bridge	7.13	6.7	2.4	24	10	41
			Rander	7.81	7.1	1.1	10	13	48
			SwamiVivekanand Bridge	7.16	6.8	1.8	20	12	38
			Sardar Bridge	7.19	6.9	2.0	21	13	39
			Umara Temple	7.28	6.6	2.2	--	17	48
34	March-2024		Kathor, N.H. 8	8.42	7.1	1.6	9	6	24
			Varachha Bridge	8.46	7.0	2	10	4	17
			ONGC Bridge	6.86	6.2	2.8	24	12	46
			Rander	8.48	6.9	1.9	10	14	63
			SwamiVivekanand Bridge	8.22	6.5	2.8	22	14	48
			Sardar Bridge	7.97	6.6	2.6	24	10	32
			Umara Temple	6.94	6.7	2.4	--	10	34
35	April-2024		Kathor, N.H. 8	8.10	7.0	1.3	10	39	56
			Varachha Bridge	8.23	6.9	1.5	12	33	63
			ONGC Bridge	7.72	6.5	1.6	28	12	40
			Rander	8.18	6.9	1.4	12	17	40
			SwamiVivekanand Bridge	7.63	6.5	1.8	22	15	48
			Sardar Bridge	7.66	6.4	1.7	22	14	32
			Umara Temple	7.69	6.7	1.5	--	14	47
36	May - 2024		Kathor, N.H. 8	8.32	6.8	1.5	8	<1.8	17
			Varachha Bridge	8.38	7.1	1.4	10	<1.8	14

			ONGC Bridge	7.97	6.7	1.4	26	10	40
			Rander	8.16	7.1	1.6	10	11	27
			SwamiVivekanand Bridge	8.46	6.6	1.9	20	10	33
			Sardar Bridge	7.88	6.2	1.9	22	10	29
			Umara Temple	7.93	6.8	1.8	--	10	46
37	June-2024		Kathor, N.H. 8	8.47	7	1.4	6	39	56
			Varachha Bridge	8.48	6.8	1.8	8	33	63
			ONGC Bridge	8.34	6.4	2.6	22	12	40
			Rander	8.45	6.7	1.9	10	17	40
			SwamiVivekanand Bridge	8.46	6.8	1.7	22	14	41
			Sardar Bridge	8.47	7	1.3	23	15	48
			Umara Temple	8.36	6.8	1.5	--	14	47
38	July-2024		Kathor, N.H. 8	8.08	7.2	1.0	4	<1.8	1
			Varachha Bridge	7.97	7.4	1.2	6	<1.8	40
			ONGC Bridge	8.46	6.5	1.5	18	6	43
			Rander	8.16	7.1	1.4	6	<1.8	47
			SwamiVivekanand Bridge	7.82	6.6	1.6	14	14	58
			Sardar Bridge	7.92	6.7	1.5	12	13	38
			Umara Temple	7.22	6.7	1.4	--	13	33
39	August-2024		Kathor, N.H. 8	7.84	7.1	1.0	6	11	24
			Varachha Bridge	7.85	7.2	1.2	6	10	26
			ONGC Bridge	7.97	6.8	1.7	18	17	47
			Rander	8.22	7.1	1.4	6	14	43
			SwamiVivekanand	8.41	6.3	2.0	10	14	31

			Bridge						
			Sardar Bridge	8.39	6.7	2.1	10	12	33
			Umara Temple	8.46	6.8	1.8	--	14	48
40	September-2024		Kathor, N.H. 8	7.98	7.3	0.8	8	11	26
			Varachha Bridge	7.95	7.1	1.1	7	13	31
			ONGC Bridge	8.05	7.3	1.3	7	14	33
			Rander	7.92	7.2	1.2	6	14	38
			SwamiVivekanand Bridge	8.11	7.1	1.1	7	17	48
			Sardar Bridge	8.06	7.2	1.2	7	15	41
			Umara Temple	8.08	7	1	--	10	24
41	October-2024		Kathor, N.H. 8	7.42	7.2	1.4	7	14	43
			Varachha Bridge	7.18	7.2	1.5	7	17	48
			ONGC Bridge	7.73	6.5	1.9	12	17	40
			Rander	7.12	7.1	1.7	10	14	34
			SwamiVivekanand Bridge	8.28	6.2	2.0	10	17	47
			Sardar Bridge	8.18	6.1	2.1	9	14	48
			Umara Temple	7.73	6.5	2.0	--	12	33

(B)

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

Name of Location	Date	BOD	DOX	FCO	FLU	MAG	NH_3	pH	SS	SUP	T.H	TCO	TDS	TKN	TMP
BORE WELL OF KADOD, TA.MANDVI	04/10/2021	2	4.8	<2	0.72	46.21	0.28	7.71	2	79	280	<2	732	0.558	30
	01/04/2022	1.6	3.5	<2	0.70	36.48	0.28	7.77	4	71	230	<2	714	0.84	29
	02/10/2022	1.5	3.5	<2	0.65	43.78	0.29	7.97	10	87	270	<2	892	0.86	28
	01/04/2023	0.8	--	<2	0.10	60.8	BDL	8.4	8	97	370	<2	806	0.56	29

	01/04/2024	1.9	4.5	<2	0.097	65.66	0.56	7.68	14	76	400	<2	692	0.28	28
	01/10/2024	2	4.5	<2	0.290	77.82	1.12	6.92	8	91	480	<2	984	2.24	29
BORE WELL OF SHREE SAI ASHA PETROL PUMP(IOC),BHATHA	06/10/2021	2.6	4.7	<2	0.59	92.42	0.28	8.35	2	206	570	<2	1920	0.558	30
	02/04/2022	1.7	3.1	<2	0.60	82.69	0.28	8.24	6	161	530	<2	1630	1.12	29
	01/10/2022	1.6	3.3	<2	0.58	70.53	0.29	8.36	20	195	440	<2	1954	1.14	30
	02/04/2023	1	8	<2	0.05	51.07	0.28	8.46	6	41	260	<2	580	0.56	32
	04/04/2024	2.1	4.5	<2	0.046	141.06	0.28	7.48	6	214	870	<2	1942	0.56	28
	03/10/2024	2	4.3	<2	0.218	160.51	0.28	8.32	6	190	590	<2	2042	2.24	31

(C)

Drains Details with Flow:

Sr.No.	Location/Name of Drain	Discharge (MLD) Average
	Outside SUDA – L	
1	Koliwad	0.12
2	Rataniya	0.09
3	Tarsada	0.47
4	Village near Tarsada	2.44
5	Mori	0.07
6	Bhamaiya	0.08
7	Vaghechha	0.16
8	Timba	0.40
9	Machhi	0.10
10	Dhatva	0.20
11	Dungra	0.45
12	Kholeshwar	0.21
	SUDA-L	
13	Kamrej	6.58
14	Kholwad	4.58
15	Vav	14.37

16	Laskana	4.75
17	KoliBharthana	3.84
18	Valak Creek	43.24
19	Varachha Creek	51.72
20	JatBharthana	5.19
21	Pasodara	4.09
22	Sevni	4.98
	SMC-L	
23	Kotar-7	75
24	Kotar-9	5
25	Makkai Bridge	9
26	Sardar Bridge	11
27	Umra Drain	7
28	Dimple Row House	5
29	RundhJakatnaka	2
	Outside SUDA – R	
30	Mandvi	22.28
31	GamtalavBujrang	0.23
32	Ushkhedkhurd	0.07
33	Puna gam	0.26
34	Unn -kosadi	0.21
35	Nandpore	1.23
36	Kharoli	1.07
37	Kevadiya–Vadod	0.20
38	Bodhan	0.88
39	Nogama	1.30
40	Karjan	0.46
41	Virpore	0.20
42	Limodara	0.67
43	DhoranPardi	12.31
44	Khanjroli	0.14
45	Ghala	0.66

	SUDA – R	
46	Kathor	13.56
47	Bharthana	17.29
	SMC – R	
48	Swaminarayan Temple	7.5
49	Pal Jakatnaka	12.5
50	Pal-Halpativas	15

(D)
STP & CETP Results
STP Results

Sr.No	Location of STP	Date of Sample	pH	SS (mg/l)	BOD (mg/l)	FC(MPN/100 ml)
1	**Sewage Treatment Plant-Signapore, Surat (21377)**	02.09.2024	6.67	12	7	38
2	**Sewage Treatment Plant-Gavier, Surat (47019)**	02.09.2024	7.22	10	6	17

CETP Results

No Industrial waste water discharge into this River stretch

19. Triveni

(A)

Progress/Status Report of the River/PRS water quality Monitoring October – 2024:

Sr. No.	Month/ Date	Location ID	Name of Location	Parameter					
				pH	**DO (mg/l)**	**BOD (mg/l)**	**COD (mg/l)**	**Fecal coliform (MPN/ 100ml)**	**Total coliform (MPN/100 ml)**
1	June-2021		Triveni sangam	The sample could not be collected since sufficient water was not available for sampling. The river isn't perennial in nature.					
2	July-2021		As above	7.53	6.0	2.3	11.2	< 1.8	< 1.8
3	August-2021		As above	7.85	6	2.1	10	< 1.8	9.2
				Note: There was considerably higher pilgrimage rush due to auspicious shravan month					
4	September-2021		As above	-	5.9	2.3	10.40	< 1.8	< 1.8
5	October-2021		As above	7.39	6.2	2.1	14.4	< 1.8	< 1.8
6	November-2021		As above	8.16	6.4	2.2	8.32	< 1.8	< 1.8
7	December-2021		As above	7.59	6.3	2.2	9.1	< 1.8	< 1.8
8	January – 2022		As above	7.57	6.6	2.1	9.1	< 1.8	< 1.8
9	February-2022		As above	7.35	6.8	2.1	7.95	< 1.8	2
10	March-2022		As above	7.44	6.8	2.1	7.97	< 1.8	< 1.8
11	April-2022		As above	7.37	6.6	2.1	8.40	< 1.8	< 1.8
12	May-2022		As above	7.33	7.6	1.83	8	< 1.8	2
13	June-2022		As above	7.25	6.8	2.1	8.70	< 1.8	< 1.8

14	July-2022		As above	7.57	6.5	2.1	8.70	< 1.8	< 1.8
15	August-2022		As above	7.45	6.6	2.3	7.60	< 1.8	< 1.8
16	September-2022		As above	7.52	6.6	2.1	08	<1.8	<1.8
17	October-2022		As above	8.46	6.5	2.2	8.31	<1.8	2
18	November-2022		As above	7.69	6.7	2.3	7.53	<1.8	<1.8
19	December-2022		As above	7.45	6.7	2.1	7.98	<1.8	<1.8
20	January-2023		As above	7.53	6.7	2.2	08	<1.8	<1.8
21	February-2023		As above	7.56	6.7	2.1	8.40	<1.8	<1.8
22	March-2023		As above	7.50	6.6	2.1	11.57	<1.8	<1.8
23	April-2023		As above	7.24	6.2	2.1	9.19	<1.8	<1.8
24	May-2023		As above	7.18	6.7	1.57	11.18	<1.8	<1.8
25	June-2023		As above	7.63	6.5	2.1	11.59	<1.8	02
26	July-2023		As above	7.52	6.6	2.1	11.59	<1.8	<1.8
27	August-2023		As above	7.45	6.7	2.0	10.15	<1.8	<1.8
28	September-2023		As above	7.19	6.6	2.0	8.38	<1.8	<1.8
29	October-2023		As above	7.19	6.6	2.0	8.38	<1.8	<1.8
30	November-2023		As above	7.28	6.7	2.0	10.37	<1.8	<1.8
31	December-2023		As above	7.30	6.6	2.2	10.78	<1.8	<1.8

32	January-2024		As above	7.46	6.6	2.0	9.60	<1.8	<1.8
33	February-2024		As above	7.44	6.7	2.2	9.57	<1.8	<1.8
34	March-2024		As above	7.38	6.6	2.1	11.18	<1.8	<1.8
35	April – 2024		As above	7.24	6.5	2.1	9.99	<1.8	<1.8
36	May – 2024		As above	7.42	6.5	2.3	11.59	<1.8	<1.8
37	June – 2024		As above	7.39	6.2	2.1	14.37	<1.8	<1.8
38	July – 2024		As above	7.39	6.5	2.0	11.58	<1.8	<1.8
39	Aug – 2024		As above	7.44	6.6	2.0	10.38	<1.8	<1.8
40	Sep – 2024		As above	7.33	6.7	1.8	8.81	<1.8	<1.8
41	Oct– 2024		As above	7.38	6.6	2.1	10.36	<1.8	<1.8

(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

20. Vishwamitri

(A)

Progress/Status Report of the River/PRS water quality monitoring for the Month October -2024:

Sr. No.	Month/ Date	Location ID	Name of Location	Parameter						
				pH	DO (mg/l)	BOD (mg/l)	COD (mg/l)	Fecal Coliform (MPN/100 ml)	Total coliform (MPN/100ml)	Faecal Streptococci (MPN/100ml)
1	June-2021	3204	At Asod	8.05	7.4	0.7	7	11	90	
		3205	At Khalipur	7.24	0	21	88	>1600	>1600	
2	July-2021	3204	At Asod	7.81	8.5	0.7	6.0	11	70	
		3205	At Khalipur	7.22	0	15	68	>1600	>1600	
3	August-2021	3204	At Asod	7.67	8.2	0.7	5.0	17	70	<1.8
		3205	At Khalipur	7.15	0	12	54	>1600	>1600	47
4	September-2021	3204	At Asod	7.89	8.2	0.8	5.0	6	63	< 1.8
		3205	At Khalipur	7.73	0	6	33	>1600	>1600	33
5	October-2021	3204	At Asod	8.44	8	0.8	6.0	6.8	70	< 1.8
		3205	At Khalipur	8.2	0	8	35	>1600	>1600	17
6	November-2021	3204	At Asod	7.76	8	0.7	6.0	6.8	70	< 1.8
		3205	At Khalipur	7.28	0	18	65	>1600	>1600	33
7	December-2021	3204	At Asod	7.78	8	0.5	6.0	6.8	70	<1.8
		3205	At Khalipur	7.76	0	23	105	>1600	>1600	27
8	January-2022	3204	At Asod	8.13	8.5	0.6	6	2	63	<1.8
		3205	At Khalipur	7.55	0.0	25	90	>1600	>1600	21

9	February-2022	3204	At Asod	8.29	7.9	0.7	8	<1.8	47	<1.8
		3205	At Khalipur	7.62	0	27	92	>1600	>1600	17
10	March-2022	3204	At Asod	7.89	7.8	0.7	8	4	63	<1.8
		3205	At Khalipur	7.49	0	14	68	>1600	>1600	11
11	April-2022	3204	At Asod	8.49	4.8	0.9	10	4	63	<1.8
		3205	At Khalipur	7.79	0	17	83	>1600	>1600	11
12	May-2022	3204	At Asod	Sample not collected since no water in river it was found dry during visit.						
		3205	At Khalipur	7.74	0	15	73	>1600	>1600	63
13	June-2022	3204	At Asod	Sample not collected since no water in river it was found dry during visit.						
		3205	At Khalipur	7.73	0	30	63	>1600	>1600	11
14	July-2022	3204	At Asod	Sample not collected since no water in river it was found dry during visit						
		3205	At Khalipur	7.73	1.0	14	213	540	14.	<1.8
15	August-2022	3204	At Asod	8.08	6.60	0.80	6	2	47	<1.8
		3205	At Khalipur	7.39	2.1	5	24	920	1600	<1.8
16	September-2022	3204	At Asod	7.99	6.5	0.7	7	2	27	<1.8
		3205	At Khalipur	7.76	0	16	63	920	1600	<1.8
17	October-2022	3204	At Asod	8.13	7.2	0.8	13	4	33	<1.8
		3205	At Khalipur	7.88	0	12	51	>1600	>1600	<1.8
18	November-2022	3204	At Asod	8.34	7	0.8	6	4	26	<1.8
		3205	At Khalipur	8.25	0	8	40	>1600	>1600	33
19	December-2022	3204	At Asod	8.45	7.5	0.7	6	9	70	<1.8
		3205	At Khalipur	8.37	1.4	8	34	>1600	>1600	11
20	January-2023	3204	At Asod	9.25	8.2	0.6	6	2	70	<1.8
		3205	At Khalipur	8.49	0.0	8	30	>1600	>1600	21

21	February-2023	3204	At Asod	8.24	8.2	0.6	6	2	17	<1.8
		3205	At Khalipur	8.36	1.0	6	39	>1600	>1600	240
22	March-2023	3204	At Asod	Sample is not collected due to river observed dry.						
		3205	At Khalipur	7.62	0.0	6	38	1600	>1600	350
23	April-2023	3204	At Asod	Sample is not collected due to river observed dry.						
		3205	At Khalipur	7.60	0.6	8.0	49	>1600	>1600	540
24	May-2023	3204	At Asod * (70855)	Sample is not collected due to river observed dry.						
		3205	At Khalipur (70858)	7.58	0.0	9.0	67	>1600	>1600	920
25	June-2023	3204	At Asod * (70855)	Sample is not collected due to river observed dry.						
		3205	At Khalipur (70858)	7.73	0.2	8	44	>1600	>1600	920
26	July-2023	3204	At Asod * (70855)	8.135	7.5	0.5	10	14	300	< 1.8
		3205	At Khalipur (70858)	7.85	1.1	8	44	>1600	>1600	>1600
27	August-2023	3204	At Asod * (70855)	8.34	7.4	0.5	10	11	130	< 1.8
		3205	At Khalipur (70858)	7.61	2.9	5	48	>1600	>1600	>1600
28	September-2023	3205	At Asod * (70855)	8.22	7.6	0.5	10	6	110	<1.8
			At Khalipur (70858)	7.31	1.3	11	52	>1600	>1600	920
29	OCtober-2023	3204	At Asod (70855)	8.10	7.4	0.7	10	23	70	<1.8
		3205	At Khalipur (70858)	7.72	1.1	9	49	>1600	>1600	540

30	November-2023	3204	At Asod (70855)	8.13	7.5	0.7	12	11	50	< 1.8
		3205	At Khalipur (70858)	7.53	0.7	8	45	>1600	>1600	>1600
31	December-2023	3204	At Asod (70855)	7.98	7.9	0.5	26	30	350	< 1.8
		3205	At Khalipur (70858)	7.52	0.9	5.0	30	>1600	>1600	>1600
32	January-2024	3204	At Asod (70855)	8.25	6.78	1.04	18	11	90	<1.8
		3205	At Khalipur (70858)	8.10	0.24	8.0	45	>1600	>1600	>1600
33	February-2024	3204	At Asod (70855)	7.85	7.27	0.78	15	7	50	<1.8
		3205	At Khalipur (70858)	7.78	Fail	8	39	>1600	>1600	>1600
34	Mar-2024	3204	At Asod (70855) *	* sample is not collected due to river observed dry.						
		3205	At Khalipur (70858)	7.74	0.67	7	37	>1600	>1600	>1600
35	Apr-2021	3204	At Asod (70855) *	* sample is not collected due to river observed dry.						
		3205	At Khalipur (70858)	7.78	0.32	6.0	40	>1600	>1600	>1600
36	May - 2024	3204	At Asod (70855) *	* sample is not collected due to river observed dry.						
		3205	At Khalipur (70858)	8.40	Fail	8	42	>1600	>1600	>1600
37	June-2024	3204	At Asod (70855) *	* sample is not collected due to river observed dry.						
		3205	At Khalipur (70858)	8.48	Fail	8	45	>1600	>1600	>1600
38	July-2024	3204	At Asod	7.84	6.87	0.91	15	17	130	<1.8

			(70855)							
		3205	At Khalipur (70858)	7.39	0.47	7	32	>1600	>1600	>1600
39	Aug-2024	3204	At Asod (70855)	7.90	7.21	0.89	15	13	110	<1.8
		3205	At Khalipur (70858)	8.14	6.84	1.60	42	>1600	>1600	>1600
40	Sept-2024	3204	At Asod (70855)	8.02	6.63	0.63	10	7	30	<1.8
		3205	At Khalipur (70858)	7.86	6.43	0.94	26	>1600	>1600	>1600
41	Oct-2024	3204	At Asod (70855)	7.94	7.21	0.64	13	4	26	<1.8
		3205	At Khalipur (70858)	8.16	2.61	6.0	35	>1600	>1600	>1600

(B)

Progress /Status Report for Ground water quality monitoring pertaining to PRS River for Oct-2024:

Sample ID and Date	Sampling Point	pH	COD	BOD	TDS
457671-03/10/2024 (70870)	WATER PROJECT RAP BOREWELL AT HANUMAN TEMPLE ATLADRA	8.23	8	0.96	298
457884-04/10/2024(70868)	WATER PROJECT RAP BOREWELL AT KAMATIBAUG	8.08	9	1.04	958

(C)

Drains Details with Flow

Sr. No.	Location	Name of Inletting Drain	Flow in MLD
1	Nr. New Sama Bridge	Cygnus School – Krishna Party Plot Drain	0.972
2	Parth School	Bharwadwas	1.440
3	Behind VUDA Bldg.	-	1.500

4	Behind Sayaji Soc.	SayajiSoc.Drain	1.944
5	Bahucharaji Kirti Tower	Various Tributaries at different Locations	11.127
6	Bhimnath Bridge	ParshuramBhatta	1.35
7	B/H Jail Court	Jail & Court Compund Drain	0.305
8	Nr. AkotaDandiaBarzar Bridge	-	0.00
9	Nr. Urmi School	Overflow of Sama Lake	2.333
10	BharwadwasSama	GIPCL Circle Drain	3.840
11	Nr. Narhari Bridge	-	2.092
12	Planatorium	Various Tributaries at different Locations in BhukhiKaans	14.959
13	Nr.Darshanam (Parshuramnagar Soc.)	ParshuramBhatta	2.218
14	Nr. AkotaDandiaBarzar Bridge	-	1.037
15	B/h. Akota Village	Akota Village	0.47
16	Nr. Ratri Bazar	VIP road drain	2.312
17	Urmi Bridge	Sama Lake Char Rasta	2.197
18	Bharwadwas	Kamatipura Area	2.00
19	Opp. Agora Mall	Navrachana School – GIPCL Circle	1.128
20	Opp. Ratri Bazar	EME Campus	0.00
21	Munjmahuda Bridge	Western part of Munjmahuda	8.156
22	Kalali B/H BSUP	Kalali Village	1.620
23	B/H Dental College	-	1.00
TOTAL			**64**

(D)
STP & CETP results

STP Results – Oct– 2024

Oct -2024						
Name of STP		**pH**	**COD mg/L**	**BOD mg/L**	**TC (MPN/100 ml)**	**FC (MPN/100 ml)**
STP at Tarsali – Capacity : 52 MLD (21704)		8.51	44	8	46	4
STP at Gajarawadi – Capacity : 66 MLD (22903)		8.25	79	16	>1600	>1600

STP at Sayaji Garden – Capacity : 16 MLD (17990)	8.41	47	9	27	4
STP at Kapurai – Capacity : 43 MLD (14425)	8.16	61	11	350	70
STP at Rajivnagar – Capacity : 78 MLD (46800)	8.42	34	5	70	12
STP at Chhani – Capacity : 21 MLD (26341)	8.22	83	16	>1600	>1600
STP at Atladara – I (Old STP at Atladra) – Capacity : 43 MLD (16488)	8.27	76	16	>1600	>1600
STPat Ataladara – II (New STP at Atladra) – Capacity : 43 MLD (22938)	8.36	82	18	>1600	>1600
Kapurai –New – Capacity : 60 MLD (63792)	8.29	40	7	>1600	>1600
STP at Chhani New- Capacity : 60 MLD (77826)	8.48	34	6	240	26
STP at Bhayli – Capacity : 45 MLS (77230)	8.50	35	6	70	11
Vadodara Municipal Corporation (13 MLD Vemali STP) (87708)	8.60	31	5	13	<1.8
Vadodara Municipal Corporation (84 MLD NEW STP ATLADARA) (92146)	8.46	39	7	>1600	>1600

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	Stretch	Priority	Details / Status
1	Sabarmati	Kheroj to Vautha	I	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. Detail 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.
2	Bhadar	Jetpur to Saran vill	I	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.
3	Amla Khadi	Pangam to Bharuch	I	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 up stream of this khadi. 2. Detail of Good Irrigation Practices: • There is no Irrigation project existing on Amla Khadi hence NA. 3. Detail on Flood Plain Management Zone: • No such heavy flood is noticed in this drain, hence NA.
4	Bhogavo	Surendranagar to nana Kerala	I	• 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.Detail of Good Irrigation Practices: • General government practice of irrigation is maintained in command area of Wadhwan Bhogavo -1 irrigation project and Wadhwan Bhogawo -2 irrigation project is reserved for Drinking Water Purpose.

				• Farmers are made aware to use water efficiently. 3.Detail on Flood Plain Management Zone: • As far as Wadhwan Bhogavo 1 reservoir project and Wadhwan Bhogavo-2 reservoir project, is concerned 12 villages of Surendranagar District are identified which and may be affected due to floods in D/s of Wadhwan Bhogavo 1 project, & 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.
5	Khari	Lali Village To Kashipura	I	1. Environmental flow: • Khari River is a small tributary of the Sabarmati River & not a perennial river. There is no any structure built on Khari River. In the monsoon season the natural water is flown in to the river which flows in to the river up to month of February-March. In the summer season Water is released after treated as per the government norms by Municipal Corporation from the STP plants situated on the banks of the river. • Sufficient water is flown during almost all of the year hence the question does not arise. 2. Detail of Good Irrigation Practices: • This river does not contain command area. • Farmers are made aware to use water efficiently.
				• Canal System of Kharicut canal system is 80% lined so as to minimize seepage losses. Also, Kharicut canal receives water from Narmada Canal. 3.Detail on Flood Plain Management Zone: • As far as Khari river is concerned it is tributary of Sabarmati river, the village is situated in the bank of the river are warned as per the flood memorandum through early warning arrangement in consultation with revenue department.
6	Vishwamitri	Vadodara to Asod	II	1. Environmental flow: • NA, when flood water of Ajwa and Pratapura sarovar

				(which are under Vadodara, Mahanagar seva sadan) 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 seva sadan 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:
				• 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 Seva Sadan 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.
7	Dhadar	Khotada to Chandpura	III	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.
8	Triveni	Sangam to Badlapura	III	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, it is proposed to construct separate enclose for performing ritual by pilgrims and this will help in keeping the water of Triveni free from pollution. • There is no inflow from November to May in Sarasvati River, Sarasvati River is a local river,

				Tributary of Hiran River and there is no storage scheme on upstream of Badalpura on this stream hence it is not possible to maintain e-flow in this streach. 2. Detail of Good Irrigation Practices: • Saraswati is not a perennial river and there is no scheme for irrigation in this river. However, **26** Nos of Check dams are constructed on upstream side of Badalpura village which help in in filtering of rain water into the ground the water table of surrounding area is replenished and the farmers are getting indirect benefits. 3. Detail on Flood Plain Management Zone: • The stretch of river Saraswati from 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 Sea through Somanath Tidal Regulator downstream of Triveni.
9	Amravati (Tributary Of Narmada)	Dadahi Ta. Ankleshwar Amravati River	IV	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 Irrigation Practices: • General government of irrigation is maintained in command area of Karjan Project. • Farmers are made aware to use water optimally. Excess water flow from B-3 branch canal of Karjan reservoir project escape at ch 2525 vill. Dharoli irrigation rotation period. • As such no water logging issues are notice due to irrigation command area. 2. Detail on Flood Plain Management Zone: • NIL
10	Damanga Nga	Vapi to Zari	IV	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.

11	Kolak	Salav to Kikaria	IV	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.
12	Mahi	Sevaliya to Bahadarpura	IV	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.
13	Shedi	Dakor to Kheda	IV	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. Detail of Good Irrigation Practices: • NA 3. Detail on Flood Plain Management Zone: • NA
14	Tapi	Kadod (Bardoli) to Surat	IV	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.
15	Anas	Dahod to Fatehpura	V	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

16	Baleshwar Khadi	Pandesara to Kepletha	V	1. Environmental flow: • NA, Baleshwar Khadi is not a perennial river. 2. Detail of Good irrigation Practices: • There is no Irrigation project existing 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.
17	Kim	Sahol Bridge to Hansol	V	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.
18	Meshwo	Along Samlaj i	V	1. Environmental flow: • Nil • Meshwo River is not a perennial river. During monsoon period when water level crosses 214.59 mt. level, then only water of reservoir can pass through river. 2. Detail of Good Irrigation Practices: • General Government practice of irrigation is maintained in command area of Meshwo Project. • Farmers are made aware to use water optimally. • Every year routine maintenance work of Meshwo Canal is carried out for optimum water usage and to minimise seepage losses. • As such no water logging issues are noticed due to irrigation in command area. 3. Detail on Flood Plain Management Zone: • The maximum flood recorded in meshwo project is 73000 cusecs. As far as meshwo project is concerned 19 villages of Modasa and Bhiloda Taluka are identified which may get affected due to flood in

				down-stream of Meshwo Dam upto 7300 cusecs discharge from waste weir in such condition people of this villages are warned through early warning arrangement in consultation with revenuedepartment.
19	Mindhola	Mindhola River Stretch near Sachin	V	1. Environmental flow: • NA 2. Detail of Good Irrigation Practices: • General Government practice of irrigation is maintained in command area of Ukai - kakrapar Project. • Farmers are made aware to use water optimally. • Canal system of Kakrapar Project are most of lined so as to minimize seepage losses. As such not water logging issued noticed so far ln the command area of Ukai-Kakrapar project. 3. Detail on Flood Plain Management Zone: • NA

20	Narmada	Garudeshwar to Bharuch	V	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 irrigation Practices: • General Government practice of irrigation is maintained in command area of Sardar Sarovar Narmada Project • Farmers are made aware to use water optimally • Canal system of Sardar Sarovar Naramada Project are fully lined so as to minimize seepage losses. • As such no water logging issue noticed so far in the command area of canals of Sardar Sarovar Narmada Project. 3. Detail on Flood Plain Management Zone: • NA

Annexure-IV

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

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

Annexure – A

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

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

Annexure-V

Details received from concerned department regarding reuse of treated wastewater

Treated waste water utilization policy:

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

	TWW reuse started (MLD)	Project in tender/execution stage (MLD)	Projects under planning (MLD)	Total
Municipal Corporation	800	642	150	1592
Municipality	29.50	-	-	29.50
Total	**829.50**	**642**	**150**	**1621.50**

In compliance of Hon'ble NGT direction in the O.A. no. 606/2018, the State Level Monitoring Committee has been constituted under the Chairmanship of Hon'ble Chief Secretary of the state. In one of the SLMC meeting the state directed for following w.r.to Treated Waste Water reuse:

- To initiate necessary amendments in the treated waste water policy w.r.to having fair price of treated waste water(TWW) for better reuse of TWW.
- To prepare infrastructure for reuse of TWW for industrial purpose or other purpose.
- To prepare DPR on priority basis for the Urban Local Bodies where projects are already identified for the reuse of TWW.
- State has written a letter to Central Ground Water Authority (CGWA) for formulation of policy to restrict the use of ground water in Industry in order to promote reuse of treated sewage.

Annexure-VI

Action taken Points w.r.to Model River (i.e .Sabarmati River)

[A] Treated industrial waste water from 06 CETPs through MEGA pipeline and from 01 CETP through separate pipeline is discharged into the river Sabarmati.

Following steps are taken for improvement of water quality into the river Sabarmati w.r.to discharge from 07 CETPs:

- **Study on Adequacy Assessment, Upgradation and Retrofitting of all the 7 CETPs by NEERI.**
  - Hon'ble Gujarat High court has passed an order to carry out study of all the 7 CETPs by institutes of National repute like NEERI, Nagpur. GPCB had given a work to NEERI for carrying out study on Adequacy Assessment, Upgradation and Retrofitting of all the 7 CETPs.
  - NEERI had visited all the CETPs and carried out study related to Adequacy Assessment, Upgradation and Retrofitting of 7 CETPs based on primary data collection & secondary data available.
  - NEERI has submitted final reports of all the 7 CETPs incorporating the recommendations/suggestions for overall performance improvement of the CETPs.
  - GPCB had issued Direction to all the Seven CETPs for implementation of the recommendations/ suggestions given by NEERI in the final report. CETPs have submitted their time bound action plan regarding implementation of NEERI recommendation.
  - GPCB regularly carry out the monitoring of all the 7 CETPs for reviewing the compliance status regarding implementation of the recommendation & suggestion of NEERI by the CETPs. Majority of the CETPs have completed their work of Upgradation and Retrofitting w.r.t. recommendations/suggestions by NEERI.
  - After implementation of the measures suggested by the NEERI, the improvement in the performance of the CETPs have been noticed through the water quality at final outlets of the CETPs which are tabulated below:

CETP	**Year**	**BOD**	**COD**
Permissible limit (mg/Lit)		**30**	**250**
GESCSL	2021	36.76	483.06
	2022	19.0	190.5
	2023	20.8	208.0
	2024	18.1	216.1
NEPL	2021	43.6	400.8
	2022	35.38	340.38
	2023	35.8	331.4
	2024	31.3	263.7
Narol Dye Stuff	2021	40.3	277.8
	2022	27.67	153.08
	2023	29.4	174.5

	2024	23.7	124.5
OEPL	2021	60.9	417.6
	2022	39.33	244.00
	2023	46.5	297.0
	2024	39.7	261.0
OGEPL	2021	62.0	388.0
	2022	42.96	209.58
	2023	26.4	166.0
	2024	18.1	111.0
GVMM	2021	37.7	203.10
	2022	25.63	122.67
	2023	24.0	127.3
	2024	23.2	118.2
NTIEM	2021	18.68	108.20
	2022	21.83	114.83
	2023	42.8	229.4
	2024	29.4	204.3

[B] Additionally, treated domestic waste water through STPs is also discharged into the river. Following step is taken for improvement of water quality into the river Sabarmati w.r.to discharge from STPs:

- The AMC is working with World Bank for Resilient City project under which up-gradation of non-performing STPs is underway.

[C] Additionally, Industrial waste water from the industrial units/clusters in the city area of Ahmedabad was used discharg into river Sabarmati through Ahmedabad Municipal Corporation drainage network.

- Ahmedabad Municipal Corporation - AMC has taken actions including disconnection of drainage in industrial clusters of Ahmedabad city areas where industries were dischargeing industrial waste water into river Sabarmati through AMC drainage network and withdrawal of permission. GPCB has issued Directions to all such industries and initiated issuing zero liquid discharge (ZLD) permissions to such industirs.

In addition, regular monitoring and inspection of CETPs, STPs and Sabarmati River is being carried out by the GPCB and actions are being taken against the non-compliances observed.

The following improvemts observed into the water quality of the river Sabarmati:

- As per the CPCB report – 2022 for the PRS maximum value of BOD observed into the river Sabarmati was 292 mg/l. As a result of various actions taken by the State, maximum BOD value observed for the year 2022 was 96 mg/l and for the year 2023 is 105 mg/l. Thus, the river quality is improved as comared to the previous years.