National Mission for Clean Ganga

Format for Submission of Monthly Progress Report by States/Uts
For the State of Assam/UT
(Hon'ble NGT in the matter of OA No.673/2018 dated 24.09.2020)

Overall Status of the State:

I	Total Population	
	Urban Population and Rural Population	Total Population of 95 ULBs : 24,46,576 Total Urban Population: 12 Lakhs (Approx) Total Population (Rural) : 26807034 (As per Census 2011) Total Rural Population under polluted river stretches : 1,60,86,948 (provisional)
II	Estimated Sewage Generation (MLD)	824.07 KLD (Kamalpur Beel– 192 KLD + Puthimari River –322 KLD + Kulshi River – 310.07 KLD) 134.53 MLD in 2021 (For Guwahati)

III **Details of Sewage Treatment Plant:**

Existing no of STPs and Treatment Capacity (in MLD) :	As per PCBA, there is no requirement of STP in any of the polluted water body under P & RD Dept.
Capacity Utilization of existing STPs:	N/A
MLD of sewage being treated through Alternate Technology:	N/A
Gap in Treatment Capacity in MLD:	100%
No of Operational STPs:	N/A
No of Complying STPs:	N/A
No of Non-complying STPs:	N/A

Details of each existing STP in the State

No.	Location	Existing STP Capacity	Operational Status of STP	Compliance Status of STP
Nil	Nil	Nil	Nil	Nil

Details of under construction STPs in the State

No.	Location	Capacity of the plant in MLD	Status of Project (at DPR Stage/Under Tendering/Work to be Awarded)	Likely Date of Completion
Nil	Nil	Nil	Nil	Nil

Details of proposed STPs in the State

No.	**Location**	**Capacity of the STP proposed in MLD**	**Status of Project (at DPR Stage/Under Tendering/Work to be Awarded)**	**Likely Date of Completion**
1	Mangaldoi	2.00 MLD	DPR submitted to the Govt. for Administrative Approval	Approximately 2 years after sanctioning the DPR
2	Tezpur	2.00 MLD	DPR submitted to the Govt. for Administrative Approval	Approximately 2 years after sanctioning the DPR
3	Nagaon	2.00 MLD	Administrative Approval received from the Govt. amounting to Rs. 1382.01 lakhs only on 06.02.2021. E-Procurement Tender of the scheme is under process	Approximately 2 years after sanctioning the DPR
4	Jorhat	2.00 MLD	DPR submitted to the Govt. for Administrative Approval	Approximately 2 years after sanctioning the DPR
5	Silchar	2.00 MLD	The work order has already been allotted to the consultant for preparation of DPR of Sewerage Treatment Plant.	Approximately 2 years after sanctioning the DPR
6	Kamalpur Beel (Kamrup)	No STP is proposed but as proposed by PCBA, installation of mechanized aerator is suggested	Indian Institute of Technology, Guwahati (IIT-G) has submitted draft DPR for setting up of the mechanized aerator at Kamalpur Beel. However, they are also requested to submit final DPR with Item-wise Detailed Estimates with Design and Drawings from the CPRD Office.	

7	Pagladia River, Nalbari	As per earlier report of PCBA, Pagladia river is to be omitted from the list of polluted rivers. But no order has been received from NGT till now in this regard. However, PCBA later on has prepared a revised action plan in respect of Pagladia River stretch with remedial activities amounting to Rs.2.90 Crore. The length of the polluted stretch of Pagladia River is approximately 4 KM with an area of 16 Sq. km from Balikuchi to Khudra Sankara; falls in rural areas only.	IIT-Guwahati has submitted Budget proposal with other terms and condition for preparation of DPR for treatment of polluted river stretch of Pagladia river at the estimate of Rs.5.75 Lakhs which is submitted to the Govt. for approval.	
8	Kharsang,Tinsukia	As per earlier report of PCBA, Kharsang, river is to be omitted from the list of polluted rivers. But no order has been received from NGT till now in this regard. However, PCBA later on has prepared a revised action plan in respect of Kharsang River stretch with remedial activities amounting to Rs.1.60 Crore. The length of the polluted stretch of Kharsang River is approximately 0.6 km with an area of 1.0 Sq. km .	IIT- Guwahati has submitted Budget Proposal with other terms and condition for preparation of DPR for treatment of polluted river stretch of Kharsang river at the estimate of Rs.5.25 Lakhs which is submitted to the Govt. for approval.	
9	Panchnoi, Udalguri	As per earlier report of PCBA, Panchnoi river is to be omitted from the list of polluted rivers. But no order has been received from NGT till now in this regard. However, PCBA later on has prepared a revised action plan in respect of Panchnoi River stretch with remedial activities amounting to Rs.1.90 Crore. The length of the polluted stretch of Panchnoi River is approximately 1.5 KM with an area of 1.37 Sq. km.The stretch identified as polluted is from No.2 Saikia Chubri to Garubandha Khankhata B	IIT- Guwahati has submitted Budget Proposal with other terms and condition for preparation of DPR for treatment of polluted river stretch of Panchnoi river at the estimate of Rs.4.00 Lakhs which is submitted to the Govt. for approval.	
Details of proposed STPs in Guwahati (Total capacity of proposed STP : 157 MLD)				
1	Silsako Beel	65 MLD	Draft DPR of Guwahati Sewerage Project (Validation) has already been submitted by consultants. Subsequently, it has been sent to JICA by Guwahati Jal Board. The final DPR (Validation), based on this draft DPR, has been submitted to Ministry of Housing Urban Affairs (MoHUA). The CPHEEO will examine this DPR.	2025
2	Back side of Nepali Mandir (near Borsola Beel)	62 MLD		
3	Gorchuk	16 MLD		
4	Lokhra	44 MLD		
5	8 Locations for Faecal Sludge & Septage Treatment Plant (100m2) each	15 MLD (in Total)		

IV **Details of Industrial Pollution:**

No of industries in the State:	227 (Operating units: 191, Units Closed Down: 32, Closed byown:4)
No. of water polluting industries in the State :	178
Quantity of effluent generated from the industries in MLD:	22.068 MLD
Quantity of Hazardous Sludge generated from the Industries in TPD:	7.9 TPD
Number of industrial units having ETPs:	178
Number of industrial units connected to CETP:	Nil
Number of Existing ETPs	178
Number and total capacity of ETPs (details of existing/under construction/proposed)	39.296 MLD
Compliance status of the ETPs	Complying
Number and total capacity of CETPs (details of existing/under construction/proposed	Nil
Status of compliance and operation of the CETPs	NA

Status of compliance and operation of the CETPs

Town	No.of industries	Industrial discharge	Status of CETPs (existing, under construction & proposed)
Nil	Nil	Nil	Nil

V **Solid Waste Management :**

<table>
<tr><td>Total number of Urban Local Bodies and their population</td><td>95 ULBs(excluding Guwahati MC) & 24,46,576
No. of ULB=01 and Population=12 Lakhs (For Guwahati)
RLB: 878 (Provisional) Population: 85, 75, 325(Provisional</td></tr>
<tr><td>Current Municipal Solid Waste Generation</td><td>649 TPD (Excluding Guwahati)
550 TPD (For Guwahati)
10.4TPD (Nagaon–1.02TPD, Udalguri–0.38TPD, Lakhimpur–1TPD, Sonitpur–8TPD)</td></tr>
<tr><td>Number, installed capacity and utilization of existing MSW processing faclities in TPD (bifurcated by type of processing eg-Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), biomethanation, MRF etc</td><td>
For Guwahati
<table>
<tr><th>Description</th><th>Remarks</th></tr>
<tr><td>Waste to Energy (Tonnage and Power output)</td><td>Biomethnation plant running at Chetribari: Capacity 5.0 TPD. Output 800 unit-Running</td></tr>
<tr><td>Compost Plants (Windrow, vermin, decentralized pit composting)</td><td>Organic Waste Converter, Capacity:2.5 TPD (one No.)</td></tr>
<tr><td>Biomethanation</td><td>Biomethnation plant running at Chetribari: Capacity 5.0 TPD. Output 800 unit-Running</td></tr>
<tr><td>MRF</td><td>Material Recovery Facility (MRF) is functioning at Zoo Road near GMCH Bhangagarh and at VIP Road transfer station. Few more have been planned and will be constructed soon.</td></tr>
</table>
For Other 95 ULBs
<table>
<tr><th>MSW processing facility</th><th>Nos.</th><th>Capacity (TPD)</th><th>Utilization (TPD)</th><th>Type of processing</th></tr>
<tr><td>Centralized Processing Facilities</td><td>24</td><td>314</td><td>180</td><td>Waste to Compost</td></tr>
<tr><td>Decentralized/Vermi/Windrow /Pit Composting</td><td>59121</td><td>239</td><td>63</td><td>Waste to Compost</td></tr>
<tr><td>Material Recovery Facility</td><td>144</td><td>430</td><td>163</td><td>MRF</td></tr>
</table>
</td></tr>
<tr><td>Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap>20%)</td><td>41 ULBs have prepared Action plan to bridge the Gap.
Gap is > 10%</td></tr>
<tr><td>No. and capacity of C &D waste processing plants in TPD (existing, proposed and under construction)</td><td>Construction and Demolition waste processing plant not installed, but recycling done by private operators. GMC has begun the process of registration of C&D waste recyclers. 4 nos. of Private Parties have been registered under GMC for recycling of C&D waste.</td></tr>
<tr><td>Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source</td><td>
Total Wards: 912 (excl. Guwahati MC)
Door to door collection: 812 Wards
Source Segregation: 371 Wards

3 Model Villages had been notified in each Zilla Parishad and districts under Sixth Schedule Areas where door to door collection is going on and also awareness campaigns are also being carried out. However, based on the reports received from the respective CEOs, it may be stated that the Solid Waste generation in rural areas is minimum and most of the waste generated are disposed in individual households. As per report from concerned CEO, collection under Nalbari ZP has been done by NGOs.
For Guwahati
<table>
<tr><th>Description</th><th>Remarks</th></tr>
<tr><td>Total No. of wards</td><td>31</td></tr>
<tr><td>No. of Wards having door to door collection service</td><td>31</td></tr>
<tr><td>No. of Wards practicing segregation at source</td><td>31 @ 40% to 70% efficiency. Currently 50% of waste is segregated at source.</td></tr>
</table>
</td></tr>
<tr><td></td><td>
For Guwahati
<table>
<tr><th>Description</th><th>Remarks</th></tr>
<tr><td>Biomethanation</td><td>6 nos. of Biomethanation plants of various capacity have been planned and will be executed on availability of fund.</td></tr>
<tr><td>Organic Waste Converter</td><td>RfP for supply, installation, commissioning of Organic Waste Convertor has been floated.</td></tr>
</table>
</td></tr>
</table>

Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)	Composting	Agency for composting of 10 TPD organic waste has been selected through tender and work will be started soon.			
	Proposed	Land for establishment of Integrated Solid Waste Processing Plant - Compost and RDF alloted measuring 16 Bighas in Dakhingaon. Estimte prepared for establishment of one plant capable of processing 150 Tons per day			
	For other ULBs				
	MSW treatment facility	**Nos.**	**Designed Capacity (TPD)**	**ULB Name**	**Under construction/proposed**
	Waste to compost (OWC)	1	0.5	Bongaigaon MB	Under construction
	Waste to compost	1	100	Dibrugarh MB	Under construction
	Waste to compost	1	15	Jorhat MB	Under construction
	Waste to compost	1	0.5	Barpeta MB	Proposed
	Waste to compost	1	0.5	Barpeta Road MB	Proposed
	Waste to compost	1	0.5	Bilasipara MB	Proposed
	Waste to compost	1	0.5	Bokajan MB	Proposed
	Waste to compost	1	0.5	Chapar MB	Proposed
	Waste to compost	1	0.5	Dergaon MB	Proposed
	Waste to compost	1	0.5	Dhekiajuli MB	Proposed
	Waste to compost	2	1	Dhubri MB	Proposed
	Waste to compost	1	0.5	Digboi MB	Proposed
	Waste to compost	2	1	Diphu MB	Proposed
	Waste to compost	1	0.5	Doomdooma MB	Proposed
	Waste to compost	1	0.5	Gauripur MB	Proposed
	Waste to compost	2	1	Goalpara MB	Proposed
	Waste to compost	1	0.5	Golaghat MB	Proposed
	Waste to compost	1	0.5	Haflong MB	Proposed
	Waste to compost	1	0.5	Hojai MB	Proposed
	Waste to compost	2	1	Jorhat MB	Proposed
	Waste to compost	1	0.5	Kajalgaon MB	Proposed
	Waste to compost	2	1	Karimganj MB	Proposed
	Waste to compost	1	0.5	Lanka MB	Proposed
	Waste to compost	1	0.5	Lumding MB	Proposed
	Waste to compost	1	0.5	Mangaldoi MB	Proposed

	Waste to compost	1	0.5	Margherita MB	Proposed
	Waste to compost	1	0.5	Mariani MB	Proposed
	Waste to compost	2	1	N. Lakhimpur MB	Proposed
	Waste to compost	3	1.5	Nagaon MB	Proposed
	Waste to compost	1	0.5	Nalbari MB	Proposed
	Waste to compost	1	0.5	Rangia MB	Proposed
	Waste to compost	1	0.5	Silapathar MB	Proposed
	Waste to compost	2	1	Sivsagar MB	Proposed
	Waste to compost	1	0.5	Sonari MB	Proposed

No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills	12 Nos of ULBs are having uncontrolled garbage dumpsite. Govt. has taken steps for identification of land. For Guwahati: Dumpsite : 1 no. Area of Dumpsite : 121 Bighas or 16.19 Hectare at Village Paschim Boragaon.
No. and area (in acres) of legacy waste within 1 km buffer of both side of the rivers	3(three) No's and 5.4 acres (area) of legacy waste. Instructions have been issued to Rangia MB, Dibrugarh MB and Raha MB for shifting of Dumpsite.
No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers	Instruction were issued to all ULBs and data is under process of collection. Lakhimpur ZP: 1 drain falls in Boginodi River 6 drains fall in Ronganodi River 9 drains fall in Dikrong River. These drains/canals are planned to clean and GP/Block are asked to submit proposal and plan & estimate to undertake works under MGNREGA. Survey is going on in other Zilla Parishads

For Guwahati

Description	Remarks
No. of drains falling into rivers	39 nos.
No. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers	39 nos. of garbage traps on these have been installed.

Status of ULB wise Managemnet of Solid Waste

ULB	Total MSW generation in TPD	Total MSW being processed in TPD	Utilization capacity of the existing MSW	Proposed MSW Facilities & Completion Timeline
Guwahati	550	7.5	7.5 TPD	
Status for other 95 ULBs is at **Annexure I**				

VI **Bio-medical Waste Management :**

Total Bio-medical generation:	1578.913 KG/day
No. of Hospitals and Health Care Facilities	84 (09 HCFs closed down)
Status of Treatment Facility/CBMWTF:	1Operational (1 CBWTF located at Panikhaiti, Guwahati which covers Kamrup, Kamrup(M), Nalbari, Baksa, Nagaon and Morigaon districts). Process has been initiated for setting up of another CBWTF atBarpeta district. The project proponent has already applied for CTE and environmental clearance. Public hearing has been held already and the application for environmental clearance is still under process at SEIAA. Another private party has approached the Board for establishment of CBWTF at Barak valley region of the state. However no formal application has been made to PCB yet. It is worth mentioning that EOI was invited for setting up of CBWTF at upper Assam Area, Lower Assam, North valley of Brahmaputra and Barak valley area vide No.WB/OTWA/BMW-484/16-17/104/1555 dtd 22/10/2018. In response 7nosof participant submitted EOI and 3shortlisted bidders were directed to acquire land and apply for Environmental clearance

VII **Hazardous Waste Management :**

Total Hazardous Waste generation:	47.142TPD (Utilized, treated and disposed by theoccupiersthemselves)
No. of Industries generating Hazardous waste	15
Treatment Capacity of all TSDFs	Nil
Avg. Quantity of Hazardous waste reaching the TSDFs and Treated	Nil
Details of on-going or proposed TSDF	RFP has been issued to the shortlisted bidders for setting up of TSDF who participated in EOI. The date of opening of technical proposals was scheduled for 7th of April 2021 earlier. However the date for opening has been extended since the land allotted for TSDF has not yet been demarcated by the concerned Circle office and demarcated land has to be handed over to the selected bidder immediately after signing of contract agreements. PCBA has already requested the Deputy Commissioner and circle officer for necessary action for demarcation of the plot. The process of allotment of the project shall be completed as soon as the land is demarcated by the concerned authority.

VIII **Plastic Waste Management :**

Total Plastic Waste generation:	41TPD (Excluding Guwahati MC)
	For Guwahati-120 TPD
Treatment/Measures adopted for reduction or management of plastic waste	Plastic waste generated in ULBs are managed through Recyclers/rag pickers,MRFs Cement Plants and construction of roads.
	For Guwahati
	(i) Single use plastic has been banned in the city.
	(ii) Enforcement squads have been formed to enforce the ban and seizure of the single use plastic and for imposing penalties.
	(iii) Registration of rag pickers collecting plastic, recycles of collected plastics, Recyclers of collected plastics are under process.
	(iv) NOC issued to a private party for collection and transportation of plastic waste from Guwahati on pilot basis for a period of one year.

IX	Details of Alternate Treatment Technology being adopted by the State/UT	◦ In Lakhimpur ZP, litter bin has been provided to collect plastic waste. Further, one plastic store house at each model village has been constructed to gather the plastic waste collected at the litter bin. ◦ In other Zilla Parishads, assessment is still going on.
X	Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment	Instruction were issued to all ULBs and data is under process of collection In Kamrup ZP,1 drain falls in Kamalpur Beel ◦ In Nalbari ZP,1drain falls in Pagladia River ◦ In Lakhimpur ZP, 1drain falls in Boginodi River, 6 drains falls in Ronganodi River and 9 drains falls in Dikrong River. These drains/canals are planned to clean and GP/ Block are asked to submit proposal and plan & estimate to undertake works under MGNREGA. ◦ In Kamrup (M) ZP, Parashali Beel and the drain polluting this Beel is identified i.e. a drain from Jeng beel and a channel from Jagiroad contributing the pollution. ◦ In Svasagar ZP, Rs,8.56772 lakhs has been sanctioned for cleaning the Tengapukhuri Beel at GP level under MGNREGA (Rs.6.00 Lakhs and 14th FC (Rs.2.56772 Lakhs) ◦ In Tinsukia ZP, action is initiated for Digboi river by Borbil GP taking scheme like “Excavation and cleaning of Digboi river under MGNREGA “ and under 14th FC “Pavers Block Road cum Protection of Pather Basti for stopping the flow of water to the Paddy field.
XI	Details of Nodal Officer appointed by Chief Secretary in the State/UT	Principal Secretary to the Govt. of Assam, Environment & Forest Department
XII	Details of meeting carried under the Chairmanship Chief of Secretary in the State/UT:	The Chief Secretary, Assam has been regularly reviewed the matter. Last meeting was held on 18.11.2020 under the Chairmanship of Chief Secretary, Assam to review the Progress in the matter and expedite implementation of all Action Plans. Subsequently the matter was reviewed during a discussion held on 15.03.2021 with GDD, Revenue, Environment & Forest, PCBA, DC (M) Commissioner, GMC and CEO, GMDA.
XIII	Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river:	Enclosed as Annexure – B,C & D.Cleaning activities as per the action plan has started in Silsakobeel.

XIV	Ground water regulation	▪ As per CGWB report, the ground water of Kamrup ZP is fresh, potable and suitable for both domestic and irrigation purposes. In Kamrup, stage of ground water development is 43%. The district is still under safe category and sufficient resources are still available for future development. Iron removal plant should be installed to remove iron from ground water prior to human consumption. ▪ In Nalbari, Ground water regulation is under process. ▪ As per CGWB report, the ground water of Udalguri ZP is fresh, potable and suitable for both domestic and irrigation purposes. The ZP is still under safe category and sufficient resources are still available for future development. ▪ As per report of the CEO, Sivsagar ZP, sludge will be cleared once the water recesses.
XV	Good irrigation practices being adopted by the State:	Action being taken by the State through Irrigation Department is placed at **Annexure-AB**. Further, the State through P & RD deptt. has taken the following action: ▪ In Tinsukia ZP, irrigation practices for agricultural purpose have been carried out in Hoolowgaon (Uttar Tupsingh) and Borjiya GP under Sadia Dev Block. Agri Bandh and Ring Bandh are constructed for preventing excess flow of water to agricultural field. ▪ In Kamrup and Udalguri ZP, certain schemes such as Lift Irrigation Scheme (LIS), Flow Irrigation Scheme (FIS) and Deep Tube well (DTW) have been taken up by Irrigation Department in collaboration with Central Govt. ▪ Various Awareness programs has been taken up in other areas.
XVI	Rain Water Harvesting	Action Plan and Guideline for Rain water harvesting were issued to ULBs. ▪ 3 nos. of ponds under Nagaon GP under Tinsukia ZP are restored for multipurpose needs. These ponds are used for harvesting rain water for irrigation and agricultural needs and also for breeding fish. ▪ In Dibrugarh, rain water is being harvested through natural/artificial ponds. ▪ In other Zilla Parishads, proposals have been made for taking up of schemes under MGNREGA/ASFC/15th FC.
XVII	Demarcation of Floodplain and removal of illegal encroachments:	Not Applicable
XVIII	Maintaining minimum e-flow of river	Is being maintained in all polluted river stretches as per report received from the concerned Chief Executive Officers
XIX	Plantation activities along the rivers:	▪ In Tinsukia ZP, different types of tree plantation are done in the GPs like Na-Sadiya, Nagaon, Amorpur and Shantipur GP areas. But only a few plantation are done along the river bank to protect the soil erosion under Sadiya Dev. Block and under Margherita Dev. Block in Jagun GP plantation scheme is taken under MGNREGA for both side of Kharsang river (Afforestation at Kharsang polluted river stretch, estimated amount:Rs.2,00,000/-) ▪ In Kamrup,4nos.of plantation schemes has got Administrative Approval under Kulshi River, 1 no. of plantation scheme has been started in Puthimari River. 2 Nos, of Plantation Schemes have been started in Satpakhali GP, 1 No. at Amtola Ziakur GP and 1 at Sapartari GP under Rampur AP. • In Nagaon ZP, Schemes for cleaning the Samaguri beel along with plantation is being taken up under MGNREGA, • In Udalguri District, plantation work has been started in Panchnoi River under MGNREGA.
XX	Development of biodiversity park:	• Biodiversity Management Committee has been formed in all Zilla Parishads
XXI	Reuse of Treated Water	Being done as per report of the concerned CEO.
XXII	Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:	Action is being initiated for adopting 'Digboi River' as Model River by the State. The river has a polluted stretch of 7.6km with an area of 11.7Sq.Km. and the stretch identified as polluted is from IOCL Oil town to the Lakhipathar Reserve Forest.
XXIII	Status of Preparation of Action Plan by the 13 Coastal States	Not Applicable
XXIV	Regulation of Mining Activities in the State/UT:	Being done by Mines & Minerals Department
XXV	Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring	• Twenty four (24)industries that do not have ETPs and Consent to Operate have been closed down by PCBA. • Eight (08)units having ETPs but operating without Consent to Operate of the Board have also been closed down by PCBA. • Four (4) units have been closed down by their own. City level Task force are formed at ULB levels under the Chairmanship of Executive Officer of the Municipal Board and other members from various Departments. ▪ In Kamrup and Udalguri ZPs, pollution and law violators are to be fined Rs.500/- ▪ Severe penalties/fines are also being imposed in other ZPs as well.

ANNEXURE-I

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	ULB Name	Total Waste Generated (02.02.2021) (in TPD)	Total Waste Processed (02.02.2021) (in TPD)	Grand Total Facilities	Grand total Utilization Capacity (in TPD)	Proposed MSW facility & completion Timeline
1	Abhayapuri MB	3.1	1.9	690	7.57	
2	Amguri M.B.	1.9	0.8	622	2.50	
3	B. Chariali M.B.	4.5	2.7	786	12.65	
4	Badarpur MB	0.4	0.2	827	6.72	
5	Barpathar MB	1.2	0.6	794	4.19	
6	Barpeta M.B.	8.6	2.2	695	11.79	1 Organic Waste Converter , December 2021
7	Barpeta Rd. M.B.	5.2	3.8	822	8.35	1 Organic Waste Converter , December 2021
8	Basugaon MB	3.0	2.4	491	3.01	
9	Bihpuria MB	3.9	1.9	689	4.81	
10	Bijni MB	3.5	1.2	810	5.29	
11	Bilasipara MB	6.5	5.6	1060	5.64	1 Organic Waste Converter , December 2021
12	Bokajan MB	2.9	1.7	627	21.55	1 Organic Waste Converter , December 2021
13	Bokakhat MB	1.3	0.3	601	2.46	
14	Bokolia MB	2.5	0.9	364	1.50	
15	Bongaigaon M.B.	22.0	17.0	127	38.92	1 Organic Waste Converter , December 2021
16	Chabua MB	4.0	2.1	524	4.14	
17	Chapakhowa MB	1.3	0.5	625	5.80	
18	Chapar MB	3.5	0.9	857	4.94	1 Organic Waste Converter , December 2021
19	Demow MB	2.4	1.3	452	5.31	
20	Dergaon M.B.	3.2	1.4	427	2.71	1 Organic Waste Converter , December 2021
21	Dhakuakhana MB	2.1	1.2	634	5.75	
22	Dhekiajuli M.B.	5.4	1.3	226	1.30	1 Organic Waste Converter , December 2021
23	Dhemaji MB	3.8	1.3	1087	8.77	
24	Dhing MB	1.5	0.8	563	2.27	
25	Dhubri M.B.	11.0	3.5	1242	12.68	2 Organic Waste Converter , December 2021
26	Dibrugarh M.B.	56.0	41.3	1001	41.00	
27	Digboi MB	4.2	2.9	656	6.33	1 Organic Waste Converter , December 2021
28	Diphu MB	7.8	3.1	913	3.68	2 Organic Waste Converter , December 2021
29	Doboka MB	2.8	1.2	434	3.34	
30	Dokmoka MB	0.8	0.4	443	4.78	
31	Donkamakum MB	0.9	0.7	138	1.55	
32	Doom Dooma MB	0.9	0.5	527	4.51	1 Organic Waste Converter , December 2021
33	Gauripur MB	6.0	2.0	544	4.38	1 Organic Waste Converter , December 2021
34	Goalpara M.B.	13.5	8.0	722	8.90	2 Organic Waste Converter , December 2021
35	Gohpur MB	2.5	0.6	626	2.52	
36	Golaghat M.B.	13.7	9.9	1231	5.20	1 Organic Waste Converter , December 2021
37	Goreswar	0.5	0.2	627	12.52	
38	Gossaigaon MB	2.9	1.8	756	3.44	
39	Haflong MB	10.7	6.8	629	6.00	1 Organic Waste Converter , December 2021
40	Hailakandi M.B.	5.0	4.1	15	9.24	
41	Hamren MB	0.8	0.6	522	3.10	
42	Hojai M.B.	7.1	4.2	515	7.07	1 Organic Waste Converter , December 2021
43	Howly MB	6.2	3.5	852	3.88	
44	Howraghat MB	0.7	0.4	366	1.47	
45	Jorhat M.B.	25.1	17.0	1129	27.54	2 Organic Waste Converter , December 2021
46	Kajalgaon MB	3.0	2.7	654	3.63	1 Organic Waste Converter , December 2021
47	Kampur MB	2.0	0.8	370	1.49	
48	Karimganj M.B.	9.6	7.0	902	7.10	2 Organic Waste Converter , December 2021
49	Kharupetia MB	7.4	4.2	853	4.23	
50	Kokrajhar M.B.	10.0	7.8	27	39.32	1 Organic Waste Converter , December 2021
51	Lakhipur M.B.(C)	4.0	3.0	852	3.93	
52	Lakhipur MB(G)	3.9	1.6	634	10.65	
53	Lala MB	3.8	1.5	9	2.50	
54	Lanka M.B.	7.8	3.5	32	5.50	1 Organic Waste Converter , December 2021
55	Lumding M.B.	1.5	1.0	634	6.60	1 Organic Waste Converter , December 2021
56	Mahur MB	1.8	1.1	52	0.50	
57	Maibong MB	1.0	0.7	809	4.25	
58	Makum MB	4.4	2.0	762	7.06	

ANNEXURE-I

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No	ULB Name	Total Waste Generated (02.02.2021) (in TPD)	Total Waste Processed (02.02.2021) (in TPD)	Grand Total Facilities	Grand total Utilization Capacity (in TPD)	Proposed MSW facility & completion Timeline
59	Mangaldoi M.B.	8.3	5.0	358	21.43	1 Organic Waste Converter , December 2021
60	Margherita MB	6.0	2.8	567	3.40	1 Organic Waste Converter , December 2021
61	Moran MB	1.8	0.6	183	1.73	
62	Moriani MB	6.5	4.5	565	4.27	1 Organic Waste Converter , December 2021
63	Morigaon M.B.	1.3	0.6	804	6.03	
64	N. Lakhimpur M.B.	15.0	11.0	855	9.73	2 Organic Waste Converter , December 2021
65	N.Guwahati MB	2.0	0.6	625	4.90	
66	Nagaon M.B.	58.3	38.3	255	24.60	3 Organic Waste Converter , December 2021
67	Naharkatia MB	5.7	3.0	690	3.27	
68	Nalbari M.B.	3.9	2.7	203	4.20	1 Organic Waste Converter , December 2021
69	Namrup MB	4.7	2.1	738	5.96	
70	Narayanpur MB	3.0	2.1	742	2.99	
71	Nazira M.B.	4.4	2.9	878	3.54	
72	Palasbari M.B.	1.0	0.7	454	5.91	
73	Patacharkuchi MB	1.0	0.6	501	2.02	
74	Pathsala MB	2.6	1.0	656	2.64	
75	Raha MB	4.5	2.2	614	3.07	
76	Rangapara MB	3.1	1.2	600	4.41	
77	Rangia M.B.	4.5	2.4	652	8.82	1 Organic Waste Converter , December 2021
78	Sapatgram MB	2.0	1.3	538	2.71	
79	Sarthebari MB	1.2	0.3	652	4.12	
80	Sarupathar MB	2.3	1.4	681	3.74	
81	Silapathar MB	2.9	1.1	722	12.90	1 Organic Waste Converter , December 2021
82	Silchar M.B.	59.0	48.7	10	101.10	
83	Simaluguri MB	2.9	1.0	459	1.85	
84	Sivsagar M.B.	19.5	11.0	1092	28.39	2 Organic Waste Converter , December 2021
85	Sonai MB	5.1	3.5	365	16.46	
86	Sonari M.B.	2.0	0.4	874	4.12	1 Organic Waste Converter , December 2021
87	Sorbhog MB	1.8	0.3	622	2.60	
88	Tangla MB	2.4	0.4	503	4.82	
89	Teok MB	2.1	0.8	870	3.50	
90	Tezpur M.B.	26.6	21.5	1521	168.10	
91	Tihu MB	2.9	0.3	117	1.20	
92	Tinsukia M.B.	37.5	24.3	1702	26.30	
93	Titabar MB	1.6	1.0	806	13.24	
94	Udalguri MB	2.1	0.3	526	5.41	
95	Umrangshu MB	1.2	0.8	409	11.64	
	TOTAL	649	406	59287	983	

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Annexure A

Status Report of Non-Complying Industrial units under priority I– V

Number of Industries operating without ETP and Consent to operate	**24 (Closed down by the Board)**
Number of Industries having ETPs but operating without Consent to operate	**08(Closed down by the Board)**
Number of Industries closed on their own	**4 (Closed on their own)**

Annexure B

Latest analysis report of Bharalu River Polluted Stretch – March, 2021

Parameter	Value
D.O. (mg/L)	0.4
pH	7.4
Cond(µS/cm)	550
BOD(mg/L)	30.4
COD(mg/L)	103.4
NO_3 -N (mg/L)	2.2
TSS (mg/L)	70
Turbidity (NTU)	04
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	84
Hardness (mg/L)	132
Calcium as $CaCO_3$(mg/L)	100
Magnesium as $CaCO_3$ (mg/L)	32
Chloride as Cl- (mg/L)	20
Sulphate as SO_4^{-2} (mg/L)	60.4
Phosphate as PO_4 (mg/L)	0.21
TKN (mg/L)	12.4
NH_4-N (mg/L)	2.6
Total Dissolved Solids (mg/L)	400
TFS (mg/L)	100
Fluoride (mg/l)	0.50
Boron (mg/l)	0.54
Na (mg/L)	52.6
K (mg/L)	14.6
Total Iron (mg/L)	0.46
Lead (mg/L)	0.12
Zinc (mg/L)	0.036
Copper (mg/L)	0.034
Total Chromium (mg/L)	0.064
Nickel (mg/L)	0.111
Cadmium (mg/L)	0.025
Mercury (mg/L)	0.002
Arsenic(mg/L)	0.010
Total Coliform (MPN/100ml)	2100
Faecal Coliform (MPN/100ml)	620

Annexure B

Latest analysis report of Borsola Beel Polluted Stretch- March,2021

Parameter	Value
D.O. (mg/L)	0.3
pH	7.6
Cond(µS/cm)	452
BOD(mg/L)	25.8
COD(mg/L)	91.6
NO_3 -N (mg/L)	2.1
TSS (mg/L)	52
Turbidity (NTU)	04
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	130
Hardness (mg/L)	146
Calcium as $CaCO_3$(mg/L)	114
Magnesium as $CaCO_3$ (mg/L)	32
Chloride as Cl- (mg/L)	18
Sulphate as SO_4^{-2} (mg/L)	32.8
Phosphate as PO_4 (mg/L)	1.4
TKN (mg/L)	3.2
NH_4-N (mg/L)	2.8
Total Dissolved Solids (mg/L)	296
TFS (mg/L)	74
Fluoride (mg/l)	0.62
Boron (mg/l)	0.56
Na (mg/L)	28.8
K (mg/L)	14.0
Total Iron (mg/L)	0.30
Lead (mg/L)	0.101
Zinc (mg/L)	0.022
Copper (mg/L)	0.034
Total Chromium (mg/L)	0.063
Nickel (mg/L)	0.011
Cadmium (mg/L)	0.003
Mercury (mg/L)	0.002
Arsenic(mg/L)	0.010
Total Coliform (MPN/100ml)	5300
Faecal Coliform (MPN/100ml)	2800

Annexure B

Latest analysis report of Silsako Beel at Chachal -March, 2021

Parameter	Value
D.O. (mg/L)	2.4
pH	7.2
Cond(µS/cm)	528
BOD(mg/L)	16.4
COD(mg/L)	44.0
NO_3 -N (mg/L)	2.0
TSS (mg/L)	62
Turbidity (NTU)	03
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	60
Hardness (mg/L)	148
Calcium as $CaCO_3$(mg/L)	112
Magnesium as $CaCO_3$ (mg/L)	36
Chloride as Cl- (mg/L)	16
Sulphate as SO_4^{-2} (mg/L)	35.4
Phosphate as PO_4 (mg/L)	0.28
TKN (mg/L)	3.4
NH_4-N (mg/L)	1.6
Total Dissolved Solids (mg/L)	346
TFS (mg/L)	86
Fluoride (mg/l)	0.46
Boron (mg/l)	0.52
Na (mg/L)	62.8
K (mg/L)	14.8
Total Iron (mg/L)	0.22
Lead (mg/L)	0.122
Zinc (mg/L)	0.022
Copper (mg/L)	0.033
Total Chromium (mg/L)	0.063
Nickel (mg/L)	0.111
Cadmium (mg/L)	0.023
Mercury (mg/L)	0.003
Arsenic(mg/L)	0.010
Total Coliform (MPN/100ml)	3500
Faecal Coliform (MPN/100ml)	2100

Annexure B

Latest analysis report of Sorusala Beel near Paltan bazar -March, 2021

Parameter	Value
D.O. (mg/L)	0.4
pH	7.6
Cond(µS/cm)	486
BOD(mg/L)	26.5
COD(mg/L)	90.2
NO_3 -N (mg/L)	2.2
TSS (mg/L)	60
Turbidity (NTU)	03
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	156
Hardness (mg/L)	162
Calcium as $CaCO_3$(mg/L)	108
Magnesium as $CaCO_3$ (mg/L)	54
Chloride as Cl- (mg/L)	20
Sulphate as SO_4^{-2} (mg/L)	32.2
Phosphate as PO_4 (mg/L)	1.4
TKN (mg/L)	2.4
NH_4-N (mg/L)	2.1
Total Dissolved Solids (mg/L)	318
TFS (mg/L)	80
Fluoride (mg/l)	0.44
Boron (mg/l)	0.52
Na (mg/L)	36.4
K (mg/L)	11.6
Total Iron (mg/L)	0.24
Lead (mg/L)	0.142
Zinc (mg/L)	0.032
Copper (mg/L)	0.036
Total Chromium (mg/L)	0.063
Nickel (mg/L)	0.111
Cadmium (mg/L)	0.031
Mercury (mg/L)	0.003
Arsenic(mg/L)	0.010
Total Coliform (MPN/100ml)	4400
Faecal Coliform (MPN/100ml)	2700

Annexure B

Latest analysis report of Deepar Beel at two locations- March, 2021

Parameter	Deepor Beel near Dharapur Chariali	Deepor Beel near IASST, Boragaon
D.O. (mg/L)	7.4	7.2
pH	7.6	7.6
Cond(µS/cm)	248	254
BOD(mg/L)	3.2	3.4
COD(mg/L)	14.8	16.0
NO_3 -N (mg/L)	1.2	1.6
TSS (mg/L)	54	56
Turbidity (NTU)	04	03
p-Alkalinity (mg/L)	0	0
m-Alkalinity (mg/L)	74	76
Hardness (mg/L)	78	82
Calcium as $CaCO_3$(mg/L)	46	56
Magnesium as $CaCO_3$ (mg/L)	26	26
Chloride as Cl- (mg/L)	10	10
Sulphate as SO_4^{-2} (mg/L)	24.8	26.4
Phosphate as PO_4 (mg/L)	0.31	0.36
TKN (mg/L)	3.6	3.6
NH_4-N (mg/L)	1.4	1.2
Total Dissolved Solids (mg/L)	164	168
TFS (mg/L)	42	42
Fluoride (mg/l)	0.51	0.61
Boron (mg/l)	0.52	0.54
Na (mg/L)	26.0	26.8
K (mg/L)	11.6	11.0
Total Iron (mg/L)	0.24	0.30
Lead (mg/L)	0.101	0.106
Zinc (mg/L)	0.046	0.046
Copper (mg/L)	0.034	0.038
Total Chromium (mg/L)	0.062	0.061
Nickel (mg/L)	0.101	0.100
Cadmium (mg/L)	0.026	0.024
Mercury (mg/L)	0.003	0.004
Arsenic(mg/L)	0.010	0.010
Total Coliform (MPN/100ml)	1400	1100
Faecal Coliform (MPN/100ml)	360	300

Annexure B

Latest analysis report of Digboi river- March, 2021

Parameter	Value
D.O. (mg/L)	4.2
pH	7.2
Cond(µS/cm)	274
BOD(mg/L)	3.8
COD(mg/L)	16.6
NO_3 -N (mg/L)	1.2
TSS (mg/L)	54
Turbidity (NTU)	03
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	60
Hardness (mg/L)	96
Calcium as $CaCO_3$(mg/L)	64
Magnesium as $CaCO_3$ (mg/L)	32
Chloride as Cl- (mg/L)	8
Sulphate as SO_4^{-2} (mg/L)	25.4
Phosphate as PO_4 (mg/L)	0.23
TKN (mg/L)	2.3
NH_4-N (mg/L)	1.0
Total Dissolved Solids (mg/L)	180
TFS (mg/L)	46
Fluoride (mg/l)	0.28
Boron (mg/l)	0.52
Na (mg/L)	14.2
K (mg/L)	6.8
Total Iron (mg/L)	0.24
Lead (mg/L)	0.101
Zinc (mg/L)	0.024
Copper (mg/L)	0.030
Total Chromium (mg/L)	0.061
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.022
Mercury (mg/L)	0.003
Arsenic(mg/L)	0.010
Total Coliform (MPN/100ml)	1100
Faecal Coliform (MPN/100ml)	300

Annexure B

Analysis report of Kamalpur beel at Kamulpur-March, 2021

Parameter	Value
D.O. (mg/L)	0.3
pH	7.4
Cond(µS/cm)	1136
BOD(mg/L)	28.2
COD(mg/L)	98.4
NO_3 -N (mg/L)	2.6
TSS (mg/L)	82
Turbidity (NTU)	06
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	292
Hardness (mg/L)	340
Calcium as $CaCO_3$(mg/L)	204
Magnesium as $CaCO_3$ (mg/L)	136
Chloride as Cl- (mg/L)	86
Sulphate as SO_4^{-2} (mg/L)	106.8
Phosphate as PO_4 (mg/L)	0.48
TKN (mg/L)	7.2
NH_4-N (mg/L)	2.6
Total Dissolved Solids (mg/L)	740
TFS (mg/L)	185
Fluoride (mg/l)	0.66
Boron (mg/l)	0.72
Na (mg/L)	86.8
K (mg/L)	24.8
Total Iron (mg/L)	0.30
Lead (mg/L)	0.102
Zinc (mg/L)	0.044
Copper (mg/L)	0.038
Total Chromium (mg/L)	0.068
Nickel (mg/L)	0.106
Cadmium (mg/L)	0.034
Mercury (mg/L)	0.003
Arsenic(mg/L)	0.020
Total Coliform (MPN/100ml)	910
Faecal Coliform (MPN/100ml)	360

Annexure B

Latest analysis report of Polluted stretches of Brahmaputra river- March, 2021

Parameter	Bogibeel (Mar 2021)	Nimatighat (Mar 2021)	Dhenukhana pahar (Mar2021)	Chandrapur (Mar 2021)	Kacharighat (Mar2021)	Sualkuchi (Mar2021)
D.O. (mg/L)	7.4	7.2	7.4	7.6	7.6	7.8
pH	7.8	7.6	7.8	7.8	7.2	7.6
Cond(µS/cm)	162	168	164	176	172	174
BOD(mg/L)	2.6	2.8	2.4	2.2	2.0	2.8
COD(mg/L)	8.4	8.0	7.8	7.4	7.6	78
NO_3 -N (mg/L)	0.8	1.2	1.0	1.0	1.4	1.6
TSS (mg/L)	56	62	64	56	54	54
Turbidity (NTU)	03	04	03	04	03	04
p-Alkalinity (mg/L)	0	0	0	0	0	0
m-Alkalinity (mg/L)	50	56	54	50	46	48
Hardness (mg/L)	62	64	64	58	62	58
Calcium as $CaCO_3$(mg/L)	46	48	48	48	44	44
Magnesium as $CaCO_3$ (mg/L)	16	14	16	10	18	14
Chloride as Cl- (mg/L)	8	6	8	6	6	8
Sulphate as SO_4^{-2} (mg/L)	15.2	17.0	16.4	17.8	18.0	17.6
Phosphate as PO_4 (mg/L)	0.22	0.21	0.28	0.26	0.28	0.28
TKN (mg/L)	1.66	1.62	1.68	1.76	1.68	1.66
NH_4-N (mg/L)	1.4	1.2	1.2	1.0	1.4	1.2
Total Dissolved Solids (mg/L)	108	112	108	116	114	116
TFS (mg/L)	28	28	28	30	28	30
Fluoride (mg/l)	0.24	0.22	0.26	0.22	0.24	0.22
Boron (mg/l)	0.50	0.56	0.54	0.54	0.56	0.56
Na (mg/L)	11.4	10.8	11.6	11.0	12.4	11.6
K (mg/L)	6.6	4.0	6.8	5.0	4.5	4.8
Total Iron (mg/L)	0.21	0.24	0.26	0.22	0.24	0.26
Lead (mg/L)	0.101	0.102	0.101	0.100	0.101	0.101
Zinc (mg/L)	0.028	0.026	0.031	0.028	0.028	0.030
Copper (mg/L)	0.033	0.034	0.032	0.033	0.031	0.0310
Total Chromium (mg/L)	0.061	0.061	0.063	0.061	0.060	0.062
Nickel (mg/L)	0.100	0.101	0.102	0.104	0.101	0.106

Annexure B

Parameter	Bogibeel (Mar 2021)	Nimatighat (Mar 2021)	Dhenukhana pahar (Mar2021)	Chandrapur (Mar 2021)	Kacharighat (Mar2021)	Sualkuchi (Mar2021)
Cadmium (mg/L)	0.021	0.022	0.028	0.026	0.024	0.022
Mercury (mg/L)	0.003	0.002	0.003	0.002	0.003	0.002
Arsenic(mg/L)	0.010	0.010	0.010	0.010	0.020	0.010
Total Coliform (MPN/100ml)	1100	360	910	1500	1400	1500
Faecal Coliform (MPN/100ml)	300	300	300	360	720	600

Annexure B

Latest analysis report of Kharsang river- March, 2021

Parameter	Value
D.O. (mg/L)	7.0
pH	7.6
Cond(µS/cm)	158
BOD(mg/L)	2.2
COD(mg/L)	7.4
NO_3 -N (mg/L)	1.2
TSS (mg/L)	64
Turbidity (NTU)	03
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	66
Hardness (mg/L)	62
Calcium as $CaCO_3$(mg/L)	48
Magnesium as $CaCO_3$ (mg/L)	14
Chloride as Cl- (mg/L)	6
Sulphate as SO_4^{-2} (mg/L)	16.0
Phosphate as PO_4 (mg/L)	0.22
TKN (mg/L)	1.64
NH_4-N (mg/L)	1.2
Total Dissolved Solids (mg/L)	104
TFS (mg/L)	26
Fluoride (mg/l)	0.23
Boron (mg/l)	0.53
Na (mg/L)	9.6
K (mg/L)	4.0
Total Iron (mg/L)	0.21
Lead (mg/L)	0.103
Zinc (mg/L)	0.021
Copper (mg/L)	0.031
Total Chromium (mg/L)	0.062
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.024
Mercury (mg/L)	0.003
Arsenic(mg/L)	0.010
Total Coliform (MPN/100ml)	1500
Faecal Coliform (MPN/100ml)	730

Annexure B

Latest analysis report of Pagladia river- March, 2021

Parameter	Value
D.O. (mg/L)	7.1
pH	7.4
Cond(µS/cm)	178
BOD(mg/L)	2.0
COD(mg/L)	7.8
NO_3 -N (mg/L)	1.0
TSS (mg/L)	52
Turbidity (NTU)	03
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	66
Hardness (mg/L)	64
Calcium as $CaCO_3$(mg/L)	48
Magnesium as $CaCO_3$ (mg/L)	16
Chloride as Cl- (mg/L)	8
Sulphate as SO_4^{-2} (mg/L)	16.2
Phosphate as PO_4 (mg/L)	0.23
TKN (mg/L)	22.4
NH_4-N (mg/L)	1.4
Total Dissolved Solids (mg/L)	118
TFS (mg/L)	30
Fluoride (mg/l)	0.26
Boron (mg/l)	0.52
Na (mg/L)	8.4
K (mg/L)	3.8
Total Iron (mg/L)	0.16
Lead (mg/L)	0.101
Zinc (mg/L)	0.023
Copper (mg/L)	0.034
Total Chromium (mg/L)	0.063
Nickel (mg/L)	0.102
Cadmium (mg/L)	0.031
Mercury (mg/L)	0.003
Arsenic(mg/L)	0.010
Total Coliform (MPN/100ml)	2000
Faecal Coliform (MPN/100ml)	610

Latest analysis report of Panchnoi river- March, 2021

Parameter	Value
D.O. (mg/L)	6.8
pH	7.8
Cond(µS/cm)	88
BOD(mg/L)	2.0
COD(mg/L)	7.0
NO_3 -N (mg/L)	0.8
TSS (mg/L)	46
Turbidity (NTU)	02
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	44
Hardness (mg/L)	36
Calcium as $CaCO_3$(mg/L)	24
Magnesium as $CaCO_3$ (mg/L)	12
Chloride as Cl- (mg/L)	08
Sulphate as SO_4^{-2} (mg/L)	10.8
Phosphate as PO_4 (mg/L)	0.22
TKN (mg/L)	1.82
NH_4-N (mg/L)	1.8
Total Dissolved Solids (mg/L)	60
TFS (mg/L)	16
Fluoride (mg/l)	0.23
Boron (mg/l)	0.54
Na (mg/L)	7.8
K (mg/L)	2.4
Total Iron (mg/L)	0.14
Lead (mg/L)	0.101
Zinc (mg/L)	0.021
Copper (mg/L)	0.042
Total Chromium (mg/L)	0.061
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.022
Mercury (mg/L)	0.003
Arsenic(mg/L)	0.010
Total Coliform (MPN/100ml)	1500
Faecal Coliform (MPN/100ml)	720

Annexure B

Annexure B

Latest analysis report of Baroi river – March, 2021

Parameter	Value
D.O.(mg/L)	6.6
pH	7.0
Cond (µS/cm)	138
BOD (mg/L)	1.6
200COD (mg/L)	7.8
NO^3-N (mg/L)	0.8
TSS (mg/L)	42
Turbidity (NTU)	04
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	46
Hardness (mg/L)	58
Calcium as $CaCo^3$ (mg/L)	36
Magnesium as $CaCo^3$ (mg/L)	22
Chloride as Cl^-(mg/L)	8
Sulphate asSO_4^{-2} (mg/L)	14.8
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.6
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	92
TFS (mg/L)	24
Fluoride (mg/L)	0.23
Boron (mg/L)	0.51
Na (mg/L)	11.8
K (mg/L)	6.4
Total Iron (mg/L)	0.24
Lead (mg/L)	0.100
Zinc (mg/L)	0.042
Copper (mg/L)	0.033
Total Chromium (mg/L)	0.060
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.020
Mercury (mg/L)	0.003
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	2100
Faecal Coliform (MPN/100ml)	720

Annexure B

Latest analysis report of Barak river at Panchgram – March, 2021

Parameter	Value
D.O.(mg/L)	6.8
pH	7.2
Cond (µS/cm)	132
BOD (mg/L)	2.2
COD (mg/L)	8.2
NO^3-N (mg/L)	1.0
TSS (mg/L)	44
Turbidity (NTU)	04
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	44
Hardness (mg/L)	58
Calcium as $CaCo^3$ (mg/L)	38
Magnesium as $CaCo^3$ (mg/L)	10
Chloride as Cl^-(mg/L)	4
Sulphate asSO_4^{-2} (mg/L)	11.8
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	2.0
NH4-H (mg/L)	1.4
Total Dissolved Solid (mg/L)	88
TFS (mg/L)	22
Fluoride (mg/L)	0.24
Boron (mg/L)	0.52
Na (mg/L)	13.0
K (mg/L)	6.2
Total Iron (mg/L)	0.26
Lead (mg/L)	0.101
Zinc (mg/L)	0.042
Copper (mg/L)	0.033
Total Chromium (mg/L)	0.063
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.020
Mercury (mg/L)	0.001
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	2800
Faecal Coliform (MPN/100ml)	1100

Annexure B

Latest analysis report of Bega river –March, 2021

Parameter	Value
D.O.(mg/L)	6.4
pH	7.2
Cond (µS/cm)	120
BOD (mg/L)	2.8
COD (mg/L)	8.0
NO^3-N (mg/L)	1.0
TSS (mg/L)	38
Turbidity (NTU)	03
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	40
Hardness (mg/L)	48
Calcium as $CaCo^3$ (mg/L)	36
Magnesium as $CaCo^3$ (mg/L)	12
Chloride as Cl^-(mg/L)	6
Sulphate asSO_4^{-2} (mg/L)	11.4
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	2.1
NH4-H (mg/L)	1.0
Total Dissolved Solid (mg/L)	80
TFS (mg/L)	20
Fluoride (mg/L)	0.21
Boron (mg/L)	0.52
Na (mg/L)	11.4
K (mg/L)	5.2
Total Iron (mg/L)	0.22
Lead (mg/L)	0.101
Zinc (mg/L)	0.042
Copper (mg/L)	0.031
Total Chromium (mg/L)	0.062
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.023
Mercury (mg/L)	0.001
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	1500
Faecal Coliform (MPN/100ml)	360

Latest analysis report of Beki river – March, 2021

Parameter	Value
D.O.(mg/L)	6.6
pH	7.2
Cond (µS/cm)	194
BOD (mg/L)	2.6
COD (mg/L)	8.8
NO^3-N (mg/L)	1.0
TSS (mg/L)	40
Turbidity (NTU)	02
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	40
Hardness (mg/L)	68
Calcium as $CaCo^3$ (mg/L)	54
Magnesium as $CaCo^3$ (mg/L)	14
Chloride as Cl^-(mg/L)	4
Sulphate asSO_4^{-2} (mg/L)	14.8
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.6
NH4-H (mg/L)	1.4
Total Dissolved Solid (mg/L)	130
TFS (mg/L)	32
Fluoride (mg/L)	0.21
Boron (mg/L)	0.52
Na (mg/L)	14.6
K (mg/L)	7.2
Total Iron (mg/L)	0.24
Lead (mg/L)	0.101
Zinc (mg/L)	0.042
Copper (mg/L)	0.038
Total Chromium (mg/L)	0.062
Nickel (mg/L)	0.100
Cadmium (mg/L)	0.024
Mercury (mg/L)	0.003
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	1100
Faecal Coliform (MPN/100ml)	300

Latest analysis report of Bhogdoi river at Jorhat- March, 2021

Parameter	Value
D.O.(mg/L)	6.4
pH	7.2
Cond (µS/cm)	180
BOD (mg/L)	2.2
COD (mg/L)	8.1
NO^3-N (mg/L)	0.8
TSS (mg/L)	36
Turbidity (NTU)	02
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	50
Hardness (mg/L)	68
Calcium as $CaCo^3$ (mg/L)	46
Magnesium as $CaCo^3$ (mg/L)	22
Chloride as Cl^-(mg/L)	6
Sulphate asSO_4^{-2} (mg/L)	25.2
Phosphate as PO_4(mg/L)	0.22
TKN (mg/L)	2.0
NH4-H (mg/L)	0.62
Total Dissolved Solid (mg/L)	120
TFS (mg/L)	32
Fluoride (mg/L)	0.21
Boron (mg/L)	0.52
Na (mg/L)	12.6
K (mg/L)	5.8
Total Iron (mg/L)	0.33
Lead (mg/L)	0.102
Zinc (mg/L)	0.040
Copper (mg/L)	0.033
Total Chromium (mg/L)	0.060
Nickel (mg/L)	0.100
Cadmium (mg/L)	0.026
Mercury (mg/L)	0.003
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	2000
Faecal Coliform (MPN/100ml)	720

Annexure B

Latest analysis report of Boginadi near NH-52 bridge- March, 2021

Parameter	Value
D.O.(mg/L)	6.0
pH	7.2
Cond (µS/cm)	134
BOD (mg/L)	1.6
COD (mg/L)	7.2
NO^3-N (mg/L)	1.0
TSS (mg/L)	42
Turbidity (NTU)	03
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	40
Hardness (mg/L)	52
Calcium as $CaCo^3$ (mg/L)	36
Magnesium as $CaCo^3$ (mg/L)	16
Chloride as Cl^-(mg/L)	8
Sulphate asSO_4^{-2} (mg/L)	11.4
Phosphate as PO_4(mg/L)	0.24
TKN (mg/L)	1.6
NH4-H (mg/L)	0.6
Total Dissolved Solid (mg/L)	90
TFS (mg/L)	24
Fluoride (mg/L)	0.26
Boron (mg/L)	0.52
Na (mg/L)	10.2
K (mg/L)	4.8
Total Iron (mg/L)	0.33
Lead (mg/L)	0.100
Zinc (mg/L)	0.026
Copper (mg/L)	0.030
Total Chromium (mg/L)	0.061
Nickel (mg/L)	0.102
Cadmium (mg/L)	0.020
Mercury (mg/L)	0.002
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	2000
Faecal Coliform (MPN/100ml)	720

Annexure B

Latest analysis report of Buridihing river at Margherita- March, 2021

Parameter	Value
D.O.(mg/L)	6.9
pH	7.0
Cond (µS/cm)	138
BOD (mg/L)	2.8
COD (mg/L)	8.0
NO^3-N (mg/L)	1.8
TSS (mg/L)	42
Turbidity (NTU)	02
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	42
Hardness (mg/L)	58
Calcium as $CaCo^3$ (mg/L)	36
Magnesium as $CaCo^3$ (mg/L)	22
Chloride as Cl^-(mg/L)	6
Sulphate asSO_4^{-2} (mg/L)	11.8
Phosphate as PO_4(mg/L)	0.26
TKN (mg/L)	1.6
NH4-H (mg/L)	1.0
Total Dissolved Solid (mg/L)	92
TFS (mg/L)	24
Fluoride (mg/L)	0.22
Boron (mg/L)	0.52
Na (mg/L)	12.4
K (mg/L)	5.6
Total Iron (mg/L)	0.32
Lead (mg/L)	0.100
Zinc (mg/L)	0.040
Copper (mg/L)	0.042
Total Chromium (mg/L)	0.064
Nickel (mg/L)	0.102
Cadmium (mg/L)	0.033
Mercury (mg/L)	0.003
Arsenic (mg/L)	0.020
Total Coliform (MPN/100ml)	2000
Faecal Coliform (MPN/100ml)	910

Latest analysis of Dhansiri river at Golaghat- March, 2021

Parameter	Value
D.O.(mg/L)	7.8
pH	7.3
Cond (µS/cm)	122
BOD (mg/L)	2.1
COD (mg/L)	7.8
NO^3-N (mg/L)	0.8
TSS (mg/L)	52
Turbidity (NTU)	03
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	44
Hardness (mg/L)	54
Calcium as $CaCo^3$ (mg/L)	36
Magnesium as $CaCo^3$ (mg/L)	18
Chloride as Cl^-(mg/L)	8
Sulphate asSO_4^{-2} (mg/L)	13.2
Phosphate as PO_4(mg/L)	0.23
TKN (mg/L)	2.2
NH4-H (mg/L)	1.6
Total Dissolved Solid (mg/L)	82
TFS (mg/L)	20
Fluoride (mg/L)	0.25
Boron (mg/L)	0.54
Na (mg/L)	11.6
K (mg/L)	5.4
Total Iron (mg/L)	0.28
Lead (mg/L)	0.101
Zinc (mg/L)	0.044
Copper (mg/L)	0.033
Total Chromium (mg/L)	0.061
Nickel (mg/L)	0.105
Cadmium (mg/L)	0.032
Mercury (mg/L)	0.002
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	1400
Faecal Coliform (MPN/100ml)	300

Annexure B

Latest analysis report of Dikhow river at Dikhowmukh- March, 2021

Parameter	Value
D.O.(mg/L)	7.2
pH	7.4
Cond (µS/cm)	180
BOD (mg/L)	1.8
COD (mg/L)	7.6
NO^3-N (mg/L)	0.8
TSS (mg/L)	44
Turbidity (NTU)	02
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	40
Hardness (mg/L)	66
Calcium as $CaCo^3$ (mg/L)	42
Magnesium as $CaCo^3$ (mg/L)	24
Chloride as Cl^-(mg/L)	4
Sulphate asSO_4^{-2} (mg/L)	21.6
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.6
NH4-H (mg/L)	1.0
Total Dissolved Solid (mg/L)	120
TFS (mg/L)	30
Fluoride (mg/L)	0.22
Boron (mg/L)	0.50
Na (mg/L)	14.8
K (mg/L)	7.6
Total Iron (mg/L)	0.33
Lead (mg/L)	0.101
Zinc (mg/L)	0.042
Copper (mg/L)	0.038
Total Chromium (mg/L)	0.066
Nickel (mg/L)	0.100
Cadmium (mg/L)	0.028
Mercury (mg/L)	0.001
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	730
Faecal Coliform (MPN/100ml)	300

Latest analysis report of Dikrong river – March, 2021

Parameter	Value
D.O.(mg/L)	7.2
pH	7.8
Cond (µS/cm)	128
BOD (mg/L)	1.8
COD (mg/L)	7.8
NO^3-N (mg/L)	1.0
TSS (mg/L)	44
Turbidity (NTU)	03
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	42
Hardness (mg/L)	58
Calcium as $CaCo^3$ (mg/L)	42
Magnesium as $CaCo^3$ (mg/L)	16
Chloride as Cl^-(mg/L)	6
Sulphate asSO_4^{-2} (mg/L)	13.6
Phosphate as PO_4(mg/L)	0.26
TKN (mg/L)	2.2
NH4-H (mg/L)	1.8
Total Dissolved Solid (mg/L)	86
TFS (mg/L)	22
Fluoride (mg/L)	0.22
Boron (mg/L)	0.50
Na (mg/L)	11.6
K (mg/L)	4.8
Total Iron (mg/L)	0.32
Lead (mg/L)	0.102
Zinc (mg/L)	0.043
Copper (mg/L)	0.041
Total Chromium (mg/L)	0.062
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.033
Mercury (mg/L)	0.003
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	1500
Faecal Coliform (MPN/100ml)	360

Latest analysis report of Disang river at Dillighat- March, 2021

Parameter	Value
D.O.(mg/L)	7.9
pH	7.7
Cond (µS/cm)	132
BOD (mg/L)	1.8
COD (mg/L)	7.6
NO^3-N (mg/L)	1.2
TSS (mg/L)	44
Turbidity (NTU)	03
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	42
Hardness (mg/L)	50
Calcium as $CaCo^3$ (mg/L)	38
Magnesium as $CaCo^3$ (mg/L)	12
Chloride as Cl^-(mg/L)	6
Sulphate asSO_4^{-2} (mg/L)	16.8
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.6
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	88
TFS (mg/L)	22
Fluoride (mg/L)	0.21
Boron (mg/L)	0.54
Na (mg/L)	12.6
K (mg/L)	5.6
Total Iron (mg/L)	0.31
Lead (mg/L)	0.101
Zinc (mg/L)	0.040
Copper (mg/L)	0.033
Total Chromium (mg/L)	0.060
Nickel (mg/L)	0.102
Cadmium (mg/L)	0.024
Mercury (mg/L)	0.002
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	1400
Faecal Coliform (MPN/100ml)	720

Latest river analysis report of Gabharu river – March, 2021

Parameter	Value
D.O.(mg/L)	6.4
pH	7.0
Cond (µS/cm)	104
BOD (mg/L)	2.0
COD (mg/L)	8.4
NO^3-N (mg/L)	1.0
TSS (mg/L)	50
Turbidity (NTU)	03
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	46
Hardness (mg/L)	34
Calcium as $CaCo^3$ (mg/L)	16
Magnesium as $CaCo^3$ (mg/L)	08
Chloride as Cl^-(mg/L)	4
Sulphate asSO_4^{-2} (mg/L)	9.2
Phosphate as PO_4(mg/L)	0.26
TKN (mg/L)	1.8
NH4-H (mg/L)	1.0
Total Dissolved Solid (mg/L)	70
TFS (mg/L)	18
Fluoride (mg/L)	0.22
Boron (mg/L)	0.51
Na (mg/L)	10.2
K (mg/L)	4.8
Total Iron (mg/L)	0.31
Lead (mg/L)	0.104
Zinc (mg/L)	0.034
Copper (mg/L)	0.031
Total Chromium (mg/L)	0.062
Nickel (mg/L)	0.100
Cadmium (mg/L)	0.022
Mercury (mg/L)	0.003
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	1100
Faecal Coliform (MPN/100ml)	360

Latest analysis report of Jia Bharali river – March, 2021

Parameter	Value
D.O.(mg/L)	7.3
pH	7.5
Cond (µS/cm)	110
BOD (mg/L)	2.0
COD (mg/L)	7.8
NO^3-N (mg/L)	0.8
TSS (mg/L)	40
Turbidity (NTU)	03
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	38
Hardness (mg/L)	52
Calcium as $CaCo^3$ (mg/L)	36
Magnesium as $CaCo^3$ (mg/L)	16
Chloride as Cl^-(mg/L)	4
Sulphate asSO_4^{-2} (mg/L)	10.4
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	2.0
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	74
TFS (mg/L)	20
Fluoride (mg/L)	0.21
Boron (mg/L)	0.51
Na (mg/L)	10.4
K (mg/L)	4.6
Total Iron (mg/L)	0.28
Lead (mg/L)	0.104
Zinc (mg/L)	0.040
Copper (mg/L)	0.033
Total Chromium (mg/L)	0.042
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.032
Mercury (mg/L)	0.002
Arsenic (mg/L)	0.020
Total Coliform (MPN/100ml)	1400
Faecal Coliform (MPN/100ml)	720

Annexure B

Latest analysis report of Jhanji river –March, 2021

Parameter	Value
D.O.(mg/L)	6.8
pH	7.4
Cond (µS/cm)	132
BOD (mg/L)	1.6
COD (mg/L)	7.0
NO^3-N (mg/L)	0.8
TSS (mg/L)	38
Turbidity (NTU)	03
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	40
Hardness (mg/L)	56
Calcium as $CaCo^3$ (mg/L)	38
Magnesium as $CaCo^3$ (mg/L)	18
Chloride as Cl^-(mg/L)	6
Sulphate asSO_4^{-2} (mg/L)	11.4
Phosphate as PO_4(mg/L)	0.22
TKN (mg/L)	1.8
NH4-H (mg/L)	1.2
Total Dissolved Solid (mg/L)	88
TFS (mg/L)	22
Fluoride (mg/L)	0.23
Boron (mg/L)	0.50
Na (mg/L)	9.8
K (mg/L)	4.2
Total Iron (mg/L)	0.25
Lead (mg/L)	0.104
Zinc (mg/L)	0.042
Copper (mg/L)	0.043
Total Chromium (mg/L)	0.060
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.023
Mercury (mg/L)	0.003
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	730
Faecal Coliform (MPN/100ml)	360

Annexure B

Latest analysis report of D/S of Kolong river – March, 2021

Parameter	Value
D.O.(mg/L)	6.2
pH	7.4
Cond (µS/cm)	186
BOD (mg/L)	2.5
COD (mg/L)	9.0
NO^3-N (mg/L)	1.4
TSS (mg/L)	52
Turbidity (NTU)	02
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	52
Hardness (mg/L)	54
Calcium as $CaCo^3$ (mg/L)	44
Magnesium as $CaCo^3$ (mg/L)	10
Chloride as Cl^-(mg/L)	6
Sulphate asSO_4^{-2} (mg/L)	16.2
Phosphate as PO_4(mg/L)	0.23
TKN (mg/L)	1.8
NH4-H (mg/L)	1.4
Total Dissolved Solid (mg/L)	124
TFS (mg/L)	30
Fluoride (mg/L)	0.23
Boron (mg/L)	0.50
Na (mg/L)	15.6
K (mg/L)	7.8
Total Iron (mg/L)	0.33
Lead (mg/L)	0.102
Zinc (mg/L)	0.044
Copper (mg/L)	0.033
Total Chromium (mg/L)	0.062
Nickel (mg/L)	0.100
Cadmium (mg/L)	0.023
Mercury (mg/L)	0.001
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	1500
Faecal Coliform (MPN/100ml)	320

Annexure B

Latest analysis report of Kulsi river at chaigaon –March, 2021

Parameter	Value
D.O.(mg/L)	8.1
pH	7.8
Cond (µS/cm)	114
BOD (mg/L)	2.8
COD (mg/L)	9.4
NO^3-N (mg/L)	0.6
TSS (mg/L)	46
Turbidity (NTU)	02
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	42
Hardness (mg/L)	46
Calcium as $CaCo^3$ (mg/L)	34
Magnesium as $CaCo^3$ (mg/L)	12
Chloride as Cl^-(mg/L)	4
Sulphate asSO_4^{-2} (mg/L)	9.1
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.8
NH4-H (mg/L)	1.0
Total Dissolved Solid (mg/L)	76
TFS (mg/L)	20
Fluoride (mg/L)	0.22
Boron (mg/L)	0.52
Na (mg/L)	9.6
K (mg/L)	4.2
Total Iron (mg/L)	0.24
Lead (mg/L)	0.100
Zinc (mg/L)	0.041
Copper (mg/L)	0.030
Total Chromium (mg/L)	0.060
Nickel (mg/L)	0.102
Cadmium (mg/L)	0.020
Mercury (mg/L)	0.002
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	1400
Faecal Coliform (MPN/100ml)	720

Latest analysis report of Kapili river at Dharamtul bridge – March,2021

Parameter	Value
D.O.(mg/L)	6.0
pH	7.4
Cond (µS/cm)	132
BOD (mg/L)	2.6
COD (mg/L)	9.8
NO^3-N (mg/L)	1.0
TSS (mg/L)	46
Turbidity (NTU)	02
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	40
Hardness (mg/L)	44
Calcium as $CaCo^3$ (mg/L)	32
Magnesium as $CaCo^3$ (mg/L)	12
Chloride as Cl^-(mg/L)	6
Sulphate asSO_4^{-2} (mg/L)	9.0
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	2.0
NH4-H (mg/L)	1.4
Total Dissolved Solid (mg/L)	88
TFS (mg/L)	22
Fluoride (mg/L)	0.22
Boron (mg/L)	0.50
Na (mg/L)	11.6
K (mg/L)	5.4
Total Iron (mg/L)	0.24
Lead (mg/L)	0.102
Zinc (mg/L)	0.033
Copper (mg/L)	0.030
Total Chromium (mg/L)	0.062
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.030
Mercury (mg/L)	0.002
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	930
Faecal Coliform (MPN/100ml)	300

Latest analysis report of Mora Bharali river – March, 2021

Parameter	Value
D.O.(mg/L)	6.6
pH	7.4
Cond (µS/cm)	180
BOD (mg/L)	2.0
COD (mg/L)	7.6
NO^3-N (mg/L)	1.2
TSS (mg/L)	40
Turbidity (NTU)	02
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	44
Hardness (mg/L)	56
Calcium as $CaCo^3$ (mg/L)	44
Magnesium as $CaCo^3$ (mg/L)	12
Chloride as Cl^-(mg/L)	06
Sulphate asSO_4^{-2} (mg/L)	15.6
Phosphate as PO_4(mg/L)	0.28
TKN (mg/L)	2.0
NH4-H (mg/L)	1.6
Total Dissolved Solid (mg/L)	120
TFS (mg/L)	30
Fluoride (mg/L)	0.21
Boron (mg/L)	0.52
Na (mg/L)	17.2
K (mg/L)	8.8
Total Iron (mg/L)	0.30
Lead (mg/L)	0.101
Zinc (mg/L)	0.036
Copper (mg/L)	0.034
Total Chromium (mg/L)	0.062
Nickel (mg/L)	0.102
Cadmium (mg/L)	0.033
Mercury (mg/L)	0.002
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	2000
Faecal Coliform (MPN/100ml)	720

Annexure B

Latest analysis report of Killing river in Marigaon – March, 2021

Parameter	Value
D.O.(mg/L)	6.6
pH	7.4
Cond (µS/cm)	64
BOD (mg/L)	1.4
COD (mg/L)	8.8
NO^3-N (mg/L)	1.2
TSS (mg/L)	40
Turbidity (NTU)	03
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	40
Hardness (mg/L)	38
Calcium as $CaCo^3$ (mg/L)	26
Magnesium as $CaCo^3$ (mg/L)	12
Chloride as Cl^-(mg/L)	6
Sulphate asSO_4^{-2} (mg/L)	12.4
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	2.0
NH4-H (mg/L)	1.0
Total Dissolved Solid (mg/L)	44
TFS (mg/L)	11
Fluoride (mg/L)	0.23
Boron (mg/L)	0.53
Na (mg/L)	8.2
K (mg/L)	4.6
Total Iron (mg/L)	0.26
Lead (mg/L)	0.102
Zinc (mg/L)	0.046
Copper (mg/L)	0.033
Total Chromium (mg/L)	0.063
Nickel (mg/L)	0.102
Cadmium (mg/L)	0.023
Mercury (mg/L)	0.001
Arsenic (mg/L)	0.011
Total Coliform (MPN/100ml)	910
Faecal Coliform (MPN/100ml)	360

Annexure B

Latest analysis report of Puthimari river – March, 2021

Parameter	Value
D.O.(mg/L)	7.0
pH	7.8
Cond (µS/cm)	156
BOD (mg/L)	2.4
COD (mg/L)	7.0
NO^3-N (mg/L)	0.6
TSS (mg/L)	40
Turbidity (NTU)	03
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	60
Hardness (mg/L)	52
Calcium as $CaCo^3$ (mg/L)	36
Magnesium as $CaCo^3$ (mg/L)	16
Chloride as Cl^-(mg/L)	6
Sulphate asSO_4^{-2} (mg/L)	14.6
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.8
NH4-H (mg/L)	1.4
Total Dissolved Solid (mg/L)	104
TFS (mg/L)	26
Fluoride (mg/L)	0.21
Boron (mg/L)	0.50
Na (mg/L)	12.4
K (mg/L)	6.0
Total Iron (mg/L)	0.21
Lead (mg/L)	0.102
Zinc (mg/L)	0.040
Copper (mg/L)	0.034
Total Chromium (mg/L)	0.060
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.025
Mercury (mg/L)	0.003
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	1500
Faecal Coliform (MPN/100ml)	360

Annexure B

Latest analysis report of Kohara river at NH crossing – March, 2021

Parameter	Value
D.O.(mg/L)	7.0
pH	7.4
Cond (µS/cm)	94
BOD (mg/L)	1.8
COD (mg/L)	8.0
NO^3-N (mg/L)	0.6
TSS (mg/L)	40
Turbidity (NTU)	03
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	50
Hardness (mg/L)	42
Calcium as $CaCo^3$ (mg/L)	30
Magnesium as $CaCo^3$ (mg/L)	12
Chloride as Cl^-(mg/L)	4
Sulphate asSO_4^{-2} (mg/L)	10.4
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.8
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	64
TFS (mg/L)	16
Fluoride (mg/L)	0.21
Boron (mg/L)	0.51
Na (mg/L)	8.2
K (mg/L)	3.8
Total Iron (mg/L)	0.31
Lead (mg/L)	0.100
Zinc (mg/L)	0.042
Copper (mg/L)	0.030
Total Chromium (mg/L)	0.060
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.022
Mercury (mg/L)	0.003
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	1400
Faecal Coliform (MPN/100ml)	360

Latest analysis report of Ranganadi at D/S of Hydel project – March, 2021

Parameter	Value
D.O.(mg/L)	6.6
pH	7.0
Cond (µS/cm)	154
BOD (mg/L)	1.8
COD (mg/L)	7.0
NO^3-N (mg/L)	0.6
TSS (mg/L)	40
Turbidity (NTU)	04
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	30
Hardness (mg/L)	56
Calcium as $CaCo^3$ (mg/L)	44
Magnesium as $CaCo^3$ (mg/L)	12
Chloride as Cl^-(mg/L)	4
Sulphate asSO_4^{-2} (mg/L)	14.8
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.8
NH4-H (mg/L)	1.2
Total Dissolved Solid (mg/L)	104
TFS (mg/L)	26
Fluoride (mg/L)	0.22
Boron (mg/L)	0.52
Na (mg/L)	11.8
K (mg/L)	5.8
Total Iron (mg/L)	0.33
Lead (mg/L)	0.106
Zinc (mg/L)	0.046
Copper (mg/L)	0.052
Total Chromium (mg/L)	0.063
Nickel (mg/L)	0.102
Cadmium (mg/L)	0.033
Mercury (mg/L)	0.002
Arsenic (mg/L)	0.011
Total Coliform (MPN/100ml)	1400
Faecal Coliform (MPN/100ml)	360

Latest analysis report of Sankosh river- March, 2021

Parameter	Value
D.O.(mg/L)	6.2
pH	7.5
Cond (µS/cm)	114
BOD (mg/L)	2.2
COD (mg/L)	10.2
NO^3-N (mg/L)	0.6
TSS (mg/L)	40
Turbidity (NTU)	02
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	38
Hardness (mg/L)	46
Calcium as $CaCo^3$ (mg/L)	34
Magnesium as $CaCo^3$ (mg/L)	12
Chloride as Cl^-(mg/L)	6
Sulphate asSO_4^{-2} (mg/L)	10.6
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.6
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	76
TFS (mg/L)	20
Fluoride (mg/L)	0.21
Boron (mg/L)	0.56
Na (mg/L)	12.2
K (mg/L)	6.4
Total Iron (mg/L)	0.22
Lead (mg/L)	0.102
Zinc (mg/L)	0.042
Copper (mg/L)	0.030
Total Chromium (mg/L)	0.062
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.033
Mercury (mg/L)	0.003
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	1100
Faecal Coliform (MPN/100ml)	360

Latest analysisreport of Sonai river – March, 2021

Parameter	Value
D.O.(mg/L)	6.2
pH	7.3
Cond (µS/cm)	136
BOD (mg/L)	2.8
COD (mg/L)	7.0
NO^3-N (mg/L)	0.6
TSS (mg/L)	48
Turbidity (NTU)	03
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	42
Hardness (mg/L)	48
Calcium as $CaCo^3$ (mg/L)	36
Magnesium as $CaCo^3$ (mg/L)	12
Chloride as Cl^-(mg/L)	6
Sulphate asSO_4^{-2} (mg/L)	11.2
Phosphate as PO_4(mg/L)	0.22
TKN (mg/L)	1.8
NH4-H (mg/L)	0.6
Total Dissolved Solid (mg/L)	90
TFS (mg/L)	24
Fluoride (mg/L)	0.21
Boron (mg/L)	0.50
Na (mg/L)	11.2
K (mg/L)	6.4
Total Iron (mg/L)	0.33
Lead (mg/L)	0.101
Zinc (mg/L)	0.043
Copper (mg/L)	0.041
Total Chromium (mg/L)	0.063
Nickel (mg/L)	0.102
Cadmium (mg/L)	0.022
Mercury (mg/L)	0.001
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	1500
Faecal Coliform (MPN/100ml)	720

Annexure B

Latest analysis report of Borbeel at Jokai – March, 2021

Parameter	Value
D.O.(mg/L)	7.0
pH	7.4
Cond (µS/cm)	216
BOD (mg/L)	2.2
COD (mg/L)	11.6
NO^3-N (mg/L)	0.6
TSS (mg/L)	50
Turbidity (NTU)	03
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	52
Hardness (mg/L)	72
Calcium as $CaCo^3$ (mg/L)	58
Magnesium as $CaCo^3$ (mg/L)	14
Chloride as Cl^-(mg/L)	6
Sulphate asSO_4^{-2} (mg/L)	17.2
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	2.4
NH4-H (mg/L)	1.2
Total Dissolved Solid (mg/L)	144
TFS (mg/L)	36
Fluoride (mg/L)	0.21
Boron (mg/L)	0.52
Na (mg/L)	15.8
K (mg/L)	7.6
Total Iron (mg/L)	0.22
Lead (mg/L)	0.100
Zinc (mg/L)	0.042
Copper (mg/L)	0.034
Total Chromium (mg/L)	0.063
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.022
Mercury (mg/L)	0.002
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	1100
Faecal Coliform (MPN/100ml)	300

Annexure B

Latest analysis report of Bordoibum Beelmukh- March, 2021

Parameter	Value
D.O.(mg/L)	6.2
pH	7.4
Cond (µS/cm)	194
BOD (mg/L)	2.4
COD (mg/L)	8.6
NO^3-N (mg/L)	0.8
TSS (mg/L)	46
Turbidity (NTU)	02
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	40
Hardness (mg/L)	52
Calcium as $CaCo^3$ (mg/L)	38
Magnesium as $CaCo^3$ (mg/L)	14
Chloride as Cl^-(mg/L)	6
Sulphate asSO_4^{-2} (mg/L)	18.6
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	2.4
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	128
TFS (mg/L)	32
Fluoride (mg/L)	0.22
Boron (mg/L)	0.50
Na (mg/L)	13.8
K (mg/L)	6.8
Total Iron (mg/L)	0.24
Lead (mg/L)	0.102
Zinc (mg/L)	0.043
Copper (mg/L)	0.052
Total Chromium (mg/L)	0.066
Nickel (mg/L)	0.103
Cadmium (mg/L)	0.022
Mercury (mg/L)	0.001
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	2000
Faecal Coliform (MPN/100ml)	910

Latest analysis report of Diplai Beel – March, 2021

Parameter	Value
D.O.(mg/L)	6.8
pH	7.4
Cond (µS/cm)	92
BOD (mg/L)	2.4
COD (mg/L)	9.2
NO^3-N (mg/L)	1.0
TSS (mg/L)	40
Turbidity (NTU)	03
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	40
Hardness (mg/L)	46
Calcium as $CaCo^3$ (mg/L)	38
Magnesium as $CaCo^3$ (mg/L)	08
Chloride as Cl^-(mg/L)	4
Sulphate asSO_4^{-2} (mg/L)	11.8
Phosphate as PO_4(mg/L)	0.28
TKN (mg/L)	2.2
NH4-H (mg/L)	1.4
Total Dissolved Solid (mg/L)	62
TFS (mg/L)	16
Fluoride (mg/L)	0.24
Boron (mg/L)	0.54
Na (mg/L)	8.6
K (mg/L)	4.4
Total Iron (mg/L)	0.28
Lead (mg/L)	0.104
Zinc (mg/L)	0.044
Copper (mg/L)	0.040
Total Chromium (mg/L)	0.060
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.034
Mercury (mg/L)	0.001
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	1100
Faecal Coliform (MPN/100ml)	300

Latest analysis report of Holudunga Beel – March, 2021

Parameter	Value
D.O.(mg/L)	7.0
pH	7.3
Cond (µS/cm)	108
BOD (mg/L)	2.0
COD (mg/L)	7.8
NO^3-N (mg/L)	0.6
TSS (mg/L)	54
Turbidity (NTU)	03
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	40
Hardness (mg/L)	42
Calcium as $CaCo^3$ (mg/L)	28
Magnesium as $CaCo^3$ (mg/L)	14
Chloride as Cl^-(mg/L)	6
Sulphate asSO_4^{-2} (mg/L)	12.6
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.8
NH4-H (mg/L)	1.0
Total Dissolved Solid (mg/L)	74
TFS (mg/L)	20
Fluoride (mg/L)	0.24
Boron (mg/L)	0.50
Na (mg/L)	11.6
K (mg/L)	4.4
Total Iron (mg/L)	0.23
Lead (mg/L)	0.101
Zinc (mg/L)	0.040
Copper (mg/L)	0.030
Total Chromium (mg/L)	0.061
Nickel (mg/L)	0.100
Cadmium (mg/L)	0.022
Mercury (mg/L)	0.003
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	910
Faecal Coliform (MPN/100ml)	300

Latest analysis report of Malini Beel – March, 2021

Parameter	Value
D.O.(mg/L)	6.4
pH	7.6
Cond (µS/cm)	164
BOD (mg/L)	2.6
COD (mg/L)	10.3
NO^3-N (mg/L)	0.8
TSS (mg/L)	46
Turbidity (NTU)	03
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	54
Hardness (mg/L)	52
Calcium as $CaCo^3$ (mg/L)	36
Magnesium as $CaCo^3$ (mg/L)	16
Chloride as Cl^-(mg/L)	10
Sulphate asSO_4^{-2} (mg/L)	13.8
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	2.8
NH4-H (mg/L)	1.6
Total Dissolved Solid (mg/L)	108
TFS (mg/L)	28
Fluoride (mg/L)	0.23
Boron (mg/L)	0.53
Na (mg/L)	13.8
K (mg/L)	5.4
Total Iron (mg/L)	0.34
Lead (mg/L)	0.101
Zinc (mg/L)	0.040
Copper (mg/L)	0.033
Total Chromium (mg/L)	0.061
Nickel (mg/L)	0.102
Cadmium (mg/L)	0.033
Mercury (mg/L)	0.001
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	1400
Faecal Coliform (MPN/100ml)	300

Latest analysis report of Parasali Beel- March, 2021

Parameter	Value
D.O.(mg/L)	7.0
pH	7.4
Cond (µS/cm)	152
BOD (mg/L)	2.4
COD (mg/L)	8.4
NO^3-N (mg/L)	0.8
TSS (mg/L)	54
Turbidity (NTU)	03
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	48
Hardness (mg/L)	52
Calcium as $CaCo^3$ (mg/L)	44
Magnesium as $CaCo^3$ (mg/L)	12
Chloride as Cl^-(mg/L)	8
Sulphate asSO_4^{-2} (mg/L)	14.6
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.8
NH4-H (mg/L)	2.0
Total Dissolved Solid (mg/L)	102
TFS (mg/L)	226
Fluoride (mg/L)	0.21
Boron (mg/L)	0.50
Na (mg/L)	14.8
K (mg/L)	8.4
Total Iron (mg/L)	0.26
Lead (mg/L)	0.102
Zinc (mg/L)	0.044
Copper (mg/L)	0.030
Total Chromium (mg/L)	0.061
Nickel (mg/L)	0.102
Cadmium (mg/L)	0.022
Mercury (mg/L)	0.001
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	910
Faecal Coliform (MPN/100ml)	360

Latest analysis report of Samaguri Beel - March, 2021

Parameter	Value
D.O.(mg/L)	6.4
pH	7.2
Cond (µS/cm)	136
BOD (mg/L)	2.2
COD (mg/L)	10.4
NO^3-N (mg/L)	0.8
TSS (mg/L)	42
Turbidity (NTU)	02
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	50
Hardness (mg/L)	48
Calcium as $CaCo^3$ (mg/L)	28
Magnesium as $CaCo^3$ (mg/L)	10
Chloride as Cl^-(mg/L)	8
Sulphate asSO_4^{-2} (mg/L)	14.6
Phosphate as PO_4(mg/L)	0.28
TKN (mg/L)	2.2
NH4-H (mg/L)	1.8
Total Dissolved Solid (mg/L)	92
TFS (mg/L)	24
Fluoride (mg/L)	0.23
Boron (mg/L)	0.53
Na (mg/L)	14.2
K (mg/L)	6.4
Total Iron (mg/L)	0.23
Lead (mg/L)	0.101
Zinc (mg/L)	0.044
Copper (mg/L)	0.052
Total Chromium (mg/L)	0.062
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.033
Mercury (mg/L)	0.003
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	1400
Faecal Coliform (MPN/100ml)	730

Latest analysis report of Son Beel – March, 2021

Parameter	Value
D.O.(mg/L)	6.6
pH	7.5
Cond (µS/cm)	158
BOD (mg/L)	2.4
COD (mg/L)	9.6
NO^3-N (mg/L)	0.8
TSS (mg/L)	44
Turbidity (NTU)	03
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	48
Hardness (mg/L)	56
Calcium as $CaCo^3$ (mg/L)	38
Magnesium as $CaCo^3$ (mg/L)	18
Chloride as Cl^-(mg/L)	12
Sulphate asSO_4^{-2} (mg/L)	13.2
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	2.0
NH4-H (mg/L)	1.6
Total Dissolved Solid (mg/L)	106
TFS (mg/L)	26
Fluoride (mg/L)	0.22
Boron (mg/L)	0.50
Na (mg/L)	12.4
K (mg/L)	5.0
Total Iron (mg/L)	0.24
Lead (mg/L)	0.102
Zinc (mg/L)	0.046
Copper (mg/L)	0.044
Total Chromium (mg/L)	0.064
Nickel (mg/L)	0.106
Cadmium (mg/L)	0.026
Mercury (mg/L)	0.001
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	1100
Faecal Coliform (MPN/100ml)	600

Latest analysis report of Tengapukhuri – March, 2021

Parameter	Value
D.O.(mg/L)	6.2
pH	7.7
Cond (µS/cm)	62
BOD (mg/L)	2.0
COD (mg/L)	6.8
NO^3-N (mg/L)	0.8
TSS (mg/L)	46
Turbidity (NTU)	02
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	40
Hardness (mg/L)	20
Calcium as $CaCo^3$ (mg/L)	12
Magnesium as $CaCo^3$ (mg/L)	8
Chloride as Cl^-(mg/L)	4
Sulphate asSO_4^{-2} (mg/L)	2.4
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.8
NH4-H (mg/L)	1.6
Total Dissolved Solid (mg/L)	44
TFS (mg/L)	11
Fluoride (mg/L)	0.24
Boron (mg/L)	0.56
Na (mg/L)	7.4
K (mg/L)	3.6
Total Iron (mg/L)	0.24
Lead (mg/L)	0.101
Zinc (mg/L)	0.044
Copper (mg/L)	0.036
Total Chromium (mg/L)	0.062
Nickel (mg/L)	0.100
Cadmium (mg/L)	0.063
Mercury (mg/L)	0.003
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	360
Faecal Coliform (MPN/100ml)	300

Annexure C

Analytical data of the drain outfalling in Bharalu River for the month of March,2021

Source	D.O. (mg/L)	pH	Cond(µS/L)	BOD(mg/L)	COD(mg/L)	NO_3 -N (mg/L)	TSS (mg/L)	Turbidity (NTU)	p-Alkalinity (mg/L)	m-Alkalinity (mg/L)	Total Hardness (mg/L)	Calcium as $CaCO_3$(mg/L)	Magnesium as $CaCO_3$ (mg/L)	Chloride as Cl^-(mg/L)	Sulphate as SO_4^{-2}(mg/L)	Phosphate as PO_4(mg/L)	TKN (mg/L)	NH_4-N (mg/L)	Total Dissolved Solids (mg/L)	TFS (mg/L)	Fluoride (mg/l)	Boron (mg/l)	Na (mg/L)	K (mg/L)	T-Fe (mg/L)	Lead as Pb (mg/L)	Zinc as Zn (mg/L)	Copper as Cu (mg/L)	Chromium as Cr(T) (mg/L)	Nickel as Ni (mg/L)	Cadmium as Cd (mg/L)	Mercury as Hg (mg/L)	Arsenic as As (µg/L)	Total Coliform (MPN/100ML)	Faecal Coliform (MPN/100ML)
Water from refinery locoshed area drain before confluence with Bharalu river at Jonali	Nil	7	742	46.4	146	2.1	104	6	Nil	188	224	188	36	68	54.2	2.2	11.8	4.4	484	122	0.46	0.54	56.4	14.8	0.58	0.101	0.044	0.033	0.061	0.101	0.03	0.01	0.01	3400	2000
Water from drain at Jonali before confluence with Bharalu river.	Nil	7.4	522	54.2	164	3.6	114	7	Nil	268	160	102	58	62	40.8	2.4	12.6	4.6	342	86	0.44	0.52	52.8	17.4	0.56	0.102	0.052	0.032	0.063	0.101	0.02	0.01	0.01	3500	2100
Water from drain after confluence with Bharalui River at Jonali	Nil	7.2	654	55.4	168	3.2	112	6	Nil	226	224	172	52	58	38.4	2.6	11.4	4.2	428	108	0.43	0.54	56.8	16.8	0.58	0.101	0.048	0.034	0.062	0.1	0.03	0.01	0.01	4400	2800
water from drain before confluence with Bharalu river at Ulubari Mazar	Nil	7.3	722	54.6	155	3.4	124	7	Nil	264	210	164	46	70	38.8	1.8	11.8	4.4	472	120	0.42	0.52	54.4	15.4	0.54	0.102	0.044	0.032	0.063	0.101	0.02	0.01	0.01	2700	1400
Water from Sarabbhati drain before confluence with Bharalu river at Sarabbhati	Nil	7.2	524	51.6	158	2.4	128	7	Nil	256	152	111	41	54	42.2	2.4	12.6	3.8	344	86	0.46	0.51	52.8	17.8	0.52	0.101	0.048	0.033	0.064	0.103	0.03	0.01	0.01	4200	2600
Water from Bishnupur drain after confluence with Bharalu river at Bishnupur	Nil	7.5	468	54.3	162	2.8	126	6	Nil	180	148	114	34	48	36.4	2.2	13.2	4.2	308	78	0.48	0.54	54.6	18.4	0.46	0.102	0.046	0.036	0.064	0.102	0.02	0.01	0.01	4400	2700

7.3

Annexure C

Analysis report of the major drains contributing to pollution in the Borsola Beel for the month of March, 2021

Parameter	Drain 1 (Chandmari)	Drain 2 (Rehabari)
D.O. (mg/L)	Nil	Nil
pH	7.2	7.8
Cond(µS/cm)	480	476
BOD(mg/L)	36.2	42.4
COD(mg/L)	142.0	152.4
NO_3 -N (mg/L)	2.6	2.4
TSS (mg/L)	102	112
Turbidity (NTU)	8	8
p-Alkalinity (mg/L)	Nil	Nil
m-Alkalinity (mg/L)	204	206
Hardness (mg/L)	146	150
Calcium as $CaCO_3$(mg/L)	103	114
Magnesium as $CaCO_3$ (mg/L)	46	36
Chloride as Cl- (mg/L)	30	34
Sulphate as SO_4^{-2} (mg/L)	24.8	26.4
Phosphate as PO_4 (mg/L)	2.4	2.6
TKN (mg/L)	14.0	15.0
NH_4-N (mg/L)	6.8	6.2
Total Dissolved Solids (mg/L)	314	312
TFS (mg/L)	78	78
Fluoride (mg/l)	0.44	0.46
Boron (mg/l)	0.60	0.58
Na (mg/L)	32.4	30.8
K (mg/L)	16.8	14.8
Total Iron (mg/L)	0.42	0.46
Lead (mg/L)	0.102	0.104
Zinc (mg/L)	0.043	0.050
Copper (mg/L)	0.034	0.038
Total Chromium (mg/L)	0.063	0.062
Nickel (mg/L)	0.182	0.198
Cadmium (mg/L)	0.026	0.024
Mercury (mg/L)	0.003	0.003
Arsenic(mg/L)	0.010	0.010
Total Coliform (MPN/100ml)	3600	3400
Faecal Coliform (MPN/100ml)	1600	1900

Annexure C

Analysis report of the major drains contributing to pollution in the Silsako Beel for the month of March, 2021

Parameters	Drain 1 (Chachal drain)	Drain 2 (Panjabari drain)
D.O. (mg/L)	Nil	Nil
pH	7.2	7.4
Cond(µS/cm)	540	532
BOD(mg/L)	42.8	41.5
COD(mg/L)	146.2	158.4
NO_3 -N (mg/L)	2.2	2.4
TSS (mg/L)	94	96
Turbidity (NTU)	09	10
p-Alkalinity (mg/L)	Nil	Nil
m-Alkalinity (mg/L)	120	124
Hardness (mg/L)	168	152
Calcium as $CaCO_3$(mg/L)	104	102
Magnesium as $CaCO_3$ (mg/L)	64	50
Chloride as Cl- (mg/L)	26	30
Sulphate as SO_4^{-2} (mg/L)	32.4	30.6
Phosphate as PO_4 (mg/L)	1.8	1.6
TKN (mg/L)	11.6	12.2
NH_4-N (mg/L)	2.2	3.2
Total Dissolved Solids (mg/L)	354	346
TFS (mg/L)	88	86
Fluoride (mg/l)	0.36	0.40
Boron (mg/l)	0.50	0.50
Na (mg/L)	42.6	46.2
K (mg/L)	14.4	16.6
Total Iron (mg/L)	0.72	0.80
Lead (mg/L)	0.101	0.102
Zinc (mg/L)	0.050	0.052
Copper (mg/L)	0.041	0.040
Total Chromium (mg/L)	0.064	0.062
Nickel (mg/L)	0.102	0.104
Cadmium (mg/L)	0.032	0.034
Mercury (mg/L)	0.003	0.003
Arsenic(mg/L)	0.010	0.020
Total Coliform (MPN/100ml)	3900	3500
Faecal Coliform (MPN/100ml)	1400	1500

Annexure C

Analysis report of the major drains contributing to pollution in theSorusola Beel for the month of March,2021

Parameter	Drain near KC Das Commerce college	Drain from Chatribari area
D.O. (mg/L)	Nil	Nil
pH	7.2	7.4
Cond(µS/cm)	450	430
BOD(mg/L)	36.0	38.2
COD(mg/L)	144.8	146.2
NO_3 -N (mg/L)	2.4	2.8
TSS (mg/L)	104	108
Turbidity (NTU)	05	04
p-Alkalinity (mg/L)	Nil	Nil
m-Alkalinity (mg/L)	154	160
Hardness (mg/L)	148	144
Calcium as $CaCO_3$(mg/L)	110	108
Magnesium as $CaCO_3$ (mg/L)	38	36
Chloride as Cl- (mg/L)	34	40
Sulphate as SO_4^{-2} (mg/L)	26.4	26.8
Phosphate as PO_4 (mg/L)	1.2	1.4
TKN (mg/L)	12.8	13.0
NH_4-N (mg/L)	2.8	2.6
Total Dissolved Solids (mg/L)	294	282
TFS (mg/L)	74	70
Fluoride (mg/l)	0.42	0.44
Boron (mg/l)	0.53	0.54
Na (mg/L)	23.4	24.0
K (mg/L)	12.0	11.6
Total Iron (mg/L)	0.33	0.38
Lead (mg/L)	0.120	0.130
Zinc (mg/L)	0.046	0.052
Copper (mg/L)	0.033	0.053
Total Chromium (mg/L)	0.063	0.063
Nickel (mg/L)	0.101	0.102
Cadmium (mg/L)	0.044	0.043
Mercury (mg/L)	0.003	0.003
Arsenic(mg/L)	0.010	0.010
Total Coliform (MPN/100ml)	3600	3400
Faecal Coliform (MPN/100ml)	1600	1900

Annexure C

Water quality of the Mora Bharalu rivulet contributing to pollution in the Deepar Beel wetland –March, 2021

Parameter	Value
D.O. (mg/L)	2.4
pH	7.3
Cond(µS/cm)	248
BOD(mg/L)	17.6
COD(mg/L)	66.8
NO_3 -N (mg/L)	1.6
TSS (mg/L)	52
Turbidity (NTU)	03
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	72
Hardness (mg/L)	88
Calcium as $CaCO_3$(mg/L)	58
Magnesium as $CaCO_3$ (mg/L)	30
Chloride as Cl- (mg/L)	6
Sulphate as SO_4^{-2} (mg/L)	16.2
Phosphate as PO_4 (mg/L)	0.22
TKN (mg/L)	1.52
NH_4-N (mg/L)	0.8
Total Dissolved Solids (mg/L)	164
TFS (mg/L)	42
Fluoride (mg/l)	0.26
Boron (mg/l)	0.51
Na (mg/L)	16.8
K (mg/L)	9.4
Total Iron (mg/L)	0.24
Lead (mg/L)	0.100
Zinc (mg/L)	0.044
Copper (mg/L)	0.044
Total Chromium (mg/L)	0.062
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.023
Mercury (mg/L)	0.003
Arsenic(µg/L)	0.010
Total Coliform (MPN/100ml)	18000
Faecal Coliform (MPN/100ml)	2600

Annexure C

Analysis report of the major drains contributing to pollution in the Digboi river-March, 2021

Parameter	Drain 1 (Borbil No. 3)	Drain 2 (Borbil No.3)
D.O. (mg/L)	Nil	Nil
pH	7.3	7.5
Cond(µS/cm)	344	352
BOD(mg/L)	16.8	17.4
COD(mg/L)	46.2	46.8
NO_3 -N (mg/L)	2.0	1.8
TSS (mg/L)	52	56
Turbidity (NTU)	04	05
p-Alkalinity (mg/L)	Nil	Nil
m-Alkalinity (mg/L)	120	124
Hardness (mg/L)	138	130
Calcium as $CaCO_3$(mg/L)	114	92
Magnesium as $CaCO_3$ (mg/L)	24	38
Chloride as Cl- (mg/L)	08	10
Sulphate as SO_4^{-2} (mg/L)	33.4	32.4
Phosphate as PO_4 (mg/L)	0.48	0.50
TKN (mg/L)	11.4	12.0
NH_4-N (mg/L)	2.2	3.0
Total Dissolved Solids (mg/L)	226	230
TFS (mg/L)	56	58
Fluoride (mg/l)	0.33	0.35
Boron (mg/l)	0.53	0.56
Na (mg/L)	21.8	24.6
K (mg/L)	9.2	9.8
Total Iron (mg/L)	0.28	0.30
Lead (mg/L)	0.101	0.100
Zinc (mg/L)	0.053	0.052
Copper (mg/L)	0.033	0.034
Total Chromium (mg/L)	0.062	0.064
Nickel (mg/L)	0.101	0.103
Cadmium (mg/L)	0.023	0.024
Mercury (mg/L)	0.003	0.002
Arsenic(µg/L)	0.010	0.010
Total Coliform (MPN/100ml)	7400	9200
Faecal Coliform (MPN/100ml)	1600	2400

Annexure C

Analysis report of the major drains contributing to pollution in the Kamalpur Beel – March, 2021

Parameter	value
D.O. (mg/L)	Nil
pH	7.0
Cond(µS/cm)	1252
BOD(mg/L)	46.4
COD(mg/L)	150
NO_3 -N (mg/L)	2.4
TSS (mg/L)	132
Turbidity (NTU)	08
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	260
Hardness (mg/L)	274
Calcium as $CaCO_3$(mg/L)	190
Magnesium as $CaCO_3$ (mg/L)	84
Chloride as Cl- (mg/L)	84
Sulphate as SO_4^{-2} (mg/L)	144.0
Phosphate as PO_4 (mg/L)	2.8
TKN (mg/L)	14.8
NH_4-N (mg/L)	4.2
Total Dissolved Solids (mg/L)	816
TFS (mg/L)	204
Fluoride (mg/l)	0.46
Boron (mg/l)	0.54
Na (mg/L)	152.6
K (mg/L)	54.2
Total Iron (mg/L)	0.58
Lead (mg/L)	0.112
Zinc (mg/L)	0.054
Copper (mg/L)	0.046
Total Chromium (mg/L)	0.068
Nickel (mg/L)	0.104
Cadmium (mg/L)	0.026
Mercury (mg/L)	0.002
Arsenic(mg/L)	0.010
Total Coliform (MPN/100ml)	26000
Faecal Coliform (MPN/100ml)	4100

Annexure C

Analysis report of the Mora Bharali river contributing to pollution in the Brahmaputra river at Dhenukhana Phar - March, 2021

Parameter	Value
D.O. (mg/L)	7.0
pH	7.2
Cond(µS/cm)	176
BOD(mg/L)	2.4
COD(mg/L)	14.4
NO_3 -N (mg/L)	1.2
TSS (mg/L)	52
Turbidity (NTU)	04
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	50
Hardness (mg/L)	78
Calcium as $CaCO_3$(mg/L)	50
Magnesium as $CaCO_3$ (mg/L)	28
Chloride as Cl- (mg/L)	06
Sulphate as SO_4^{-2} (mg/L)	16.4
Phosphate as PO_4 (mg/L)	0.22
TKN (mg/L)	1.8
NH_4-N (mg/L)	0.8
Total Dissolved Solids (mg/L)	116
TFS (mg/L)	30
Fluoride (mg/l)	0.23
Boron (mg/l)	0.51
Na (mg/L)	14.2
K (mg/L)	7.4
Total Iron (mg/L)	0.28
Lead (mg/L)	0.101
Zinc (mg/L)	0.044
Copper (mg/L)	0.042
Total Chromium (mg/L)	0.062
Nickel (mg/L)	0.102
Cadmium (mg/L)	0.024
Mercury (mg/L)	0.003
Arsenic(µg/L)	0.010
Total Coliform (MPN/100ml)	4200
Faecal Coliform (MPN/100ml)	1100

Annexure C

Analysis report of the major drains contributing to pollution in the Brahmaputra river at Kacharighat - March, 2021

Parameter	Water from drain near Sukleswar temple before confluence with Brahmaputra river	Water from drain at Fancy Bazar (behind MMCH) before confluence with Brahmaputra river
D.O. (mg/L)	1.8	1.6
pH	7.2	7.4
Cond(µS/cm)	258	320
BOD(mg/L)	15.8	16.6
COD(mg/L)	46.0	54.4
NO_3 -N (mg/L)	2.2	2.4
TSS (mg/L)	42	54
Turbidity (NTU)	04	05
p-Alkalinity (mg/L)	Nil	Nil
m-Alkalinity (mg/L)	116	118
Hardness (mg/L)	96	92
Calcium as $CaCO_3$(mg/L)	74	68
Magnesium as $CaCO_3$ (mg/L)	22	24
Chloride as Cl- (mg/L)	08	10
Sulphate as SO_4^{-2} (mg/L)	24.2	22.8
Phosphate as PO_4 (mg/L)	0.61	0.63
TKN (mg/L)	11.8	10.6
NH_4-N (mg/L)	2.4	2.8
Total Dissolved Solids (mg/L)	170	210
TFS (mg/L)	46	54
Fluoride (mg/l)	0.31	0.41
Boron (mg/l)	0.54	0.53
Na (mg/L)	20.6	20.6
K (mg/L)	10.2	10.2
Total Iron (mg/L)	0.28	0.30
Lead (mg/L)	0.102	0.104
Zinc (mg/L)	0.042	0.044
Copper (mg/L)	0.042	0.046
Total Chromium (mg/L)	0.064	0.066
Nickel (mg/L)	0.101	0.102
Cadmium (mg/L)	0.024	0.026
Mercury (mg/L)	0.003	0.002
Arsenic(µg/L)	0.010	0.010
Total Coliform (MPN/100ml)	3500	3400
Faecal Coliform (MPN/100ml)	1500	2000

Annexure C

Analysis report of the major drains contributing to pollution in the Pagladia river – March,2021

Parameter	Bhugabeel at Ghograpar
D.O. (mg/L)	1.2
pH	6.8
Cond(µS/cm)	332
BOD(mg/L)	16.2
COD(mg/L)	50.2
NO_3 -N (mg/L)	1.6
TSS (mg/L)	40
Turbidity (NTU)	03
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	122
Hardness (mg/L)	138
Calcium as $CaCO_3$(mg/L)	106
Magnesium as $CaCO_3$ (mg/L)	32
Chloride as Cl- (mg/L)	6
Sulphate as SO_4^{-2} (mg/L)	26.4
Phosphate as PO_4 (mg/L)	0.53
TKN (mg/L)	11.8
NH_4-N (mg/L)	3.4
Total Dissolved Solids (mg/L)	218
TFS (mg/L)	54
Fluoride (mg/l)	0.33
Boron (mg/l)	0.56
Na (mg/L)	16.4
K (mg/L)	8.4
Total Iron (mg/L)	0.26
Lead (mg/L)	0.102
Zinc (mg/L)	0.042
Copper (mg/L)	0.036
Total Chromium (mg/L)	0.062
Nickel (mg/L)	0.102
Cadmium (mg/L)	0.024
Mercury (mg/L)	0.002
Arsenic(mg/L)	0.010
Total Coliform (MPN/100ml)	2400
Faecal Coliform (MPN/100ml)	610

Annexure D

Latest analysis report of Groundwater from Shantipur area (Catchment area of Bharalu River and Borsola Wetland)–March, 2021

Parameter	Value
pH	6.0
Cond(µS/cm)	198
BOD(mg/L)	2.4
COD(mg/L)	8.0
NO_3 -N (mg/L)	1.0
TSS (mg/L)	14
Turbidity (NTU)	04
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	60
Hardness (mg/L)	68
Calcium as $CaCO_3$(mg/L)	46
Magnesium as $CaCO_3$ (mg/L)	22
Chloride as Cl- (mg/L)	08
Sulphate as SO_4^{-2} (mg/L)	17.4
Phosphate as PO_4 (mg/L)	0.3
Total Dissolved Solids (mg/L)	130
TFS (mg/L)	34
Fluoride (mg/l)	0.36
Boron (mg/l)	0.52
Na (mg/L)	7.4
K (mg/L)	3.6
NH4-N (mg/L)	0.8
TKN (mg/L)	1.6
Total Iron (mg/L)	0.38
Lead (mg/L)	0.101
Zinc (mg/L)	0.023
Copper (mg/L)	0.034
Total Chromium (mg/L)	0.061
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.024
Mercury (mg/L)	0.002
Arsenic(mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of Groundwater quality of Satgaon area (catchment of Silsako Beel)-March, 2021

Parameter	Value
pH	7.2
Cond(µS/cm)	272
BOD(mg/L)	2.0
COD(mg/L)	8.4
NO_3 -N (mg/L)	1.6
TSS (mg/L)	20
Turbidity (NTU)	02
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	96
Hardness (mg/L)	88
Calcium as $CaCO_3$(mg/L)	74
Magnesium as $CaCO_3$ (mg/L)	14
Chloride as Cl- (mg/L)	10
Sulphate as SO_4^{-2} (mg/L)	11.4
Phosphate as PO_4 (mg/L)	0.3
Total Dissolved Solids (mg/L)	178
TFS (mg/L)	44
Fluoride (mg/l)	0.23
Boron (mg/l)	0.51
Na (mg/L)	62.8
K (mg/L)	15.2
NH4-N (mg/L)	1.0
TKN (mg/L)	1.6
Total Iron (mg/L)	0.48
Lead (mg/L)	0.101
Zinc (mg/L)	0.044
Copper (mg/L)	0.036
Total Chromium (mg/L)	0.061
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.026
Mercury (mg/L)	0.003
Arsenic(mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of Groundwater from Shantipur area (Catchment area of SorusalaWetland)- March, 2021

Parameter	Value
pH	6.8
Cond(µS/cm)	190
BOD(mg/L)	1.6
COD(mg/L)	7.8
NO_3 -N (mg/L)	1.4
TSS (mg/L)	20
Turbidity (NTU)	03
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	60
Hardness (mg/L)	68
Calcium as $CaCO_3$(mg/L)	44
Magnesium as $CaCO_3$ (mg/L)	24
Chloride as Cl- (mg/L)	10
Sulphate as SO_4^{-2} (mg/L)	16.8
Phosphate as PO_4 (mg/L)	0.4
Total Dissolved Solids (mg/L)	126
TFS (mg/L)	32
Fluoride (mg/l)	0.44
Boron (mg/l)	0.51
Na (mg/L)	4.6
K (mg/L)	2.2
NH4-N (mg/L)	0.8
TKN (mg/L)	2.0
Total Iron (mg/L)	0.36
Lead (mg/L)	0.100
Zinc (mg/L)	0.021
Copper (mg/L)	0.041
Total Chromium (mg/L)	0.062
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.023
Mercury (mg/L)	0.002
Arsenic(mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of Groundwater from MSW dumping site at Boragaon (Catchment of Deepar Beel)–March, 2021

Parameter	Value
pH	6.0
Cond(µS/cm)	198
BOD(mg/L)	2.4
COD(mg/L)	8.6
NO_3 -N (mg/L)	1.6
TSS (mg/L)	24
Turbidity (NTU)	03
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	152
Hardness (mg/L)	72
Calcium as $CaCO_3$(mg/L)	58
Magnesium as $CaCO_3$ (mg/L)	14
Chloride as Cl- (mg/L)	12
Sulphate as SO_4^{-2} (mg/L)	16.0
Phosphate as PO_4 (mg/L)	0.3
Total Dissolved Solids (mg/L)	130
TFS (mg/L)	34
Fluoride (mg/l)	0.34
Boron (mg/l)	0.51
Na (mg/L)	24.0
K (mg/L)	8.6
NH4-N (mg/L)	0.8
TKN (mg/L)	1.8
Total Iron (mg/L)	1.2
Lead (mg/L)	0.100
Zinc (mg/L)	0.020
Copper (mg/L)	0.034
Total Chromium (mg/L)	0.061
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.023
Mercury (mg/L)	0.003
Arsenic(mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of Groundwater at Digboi (Catchment of Digboi River)-March, 2021

Parameter	Value
pH	7.0
Cond(µS/cm)	338
BOD(mg/L)	2.6
COD(mg/L)	7.8
NO_3 -N (mg/L)	1.2
TSS (mg/L)	18
Turbidity (NTU)	04
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	122
Hardness (mg/L)	88
Calcium as $CaCO_3$(mg/L)	62
Magnesium as $CaCO_3$ (mg/L)	26
Chloride as Cl- (mg/L)	14
Sulphate as SO_4^{-2} (mg/L)	16.2
Phosphate as PO_4 (mg/L)	0.3
Total Dissolved Solids (mg/L)	222
TFS (mg/L)	56
Fluoride (mg/l)	0.21
Boron (mg/l)	0.51
Na (mg/L)	54.8
K (mg/L)	22.6
NH4-N (mg/L)	0.8
TKN (mg/L)	2.0
Total Iron (mg/L)	0.32
Lead (mg/L)	0.100
Zinc (mg/L)	0.033
Copper (mg/L)	0.034
Total Chromium (mg/L)	0.062
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.026
Mercury (mg/L)	0.002
Arsenic(mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest groundwater quality of Kamalpur area (catchment of Kamalpur Beel)–March, 2021

Parameter	Value
pH	7.6
Cond(µS/cm)	346
BOD(mg/L)	2.2
COD(mg/L)	8.4
NO_3 -N (mg/L)	1.4
TSS (mg/L)	110
Turbidity (NTU)	05
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	70
Hardness (mg/L)	74
Calcium as $CaCO_3$(mg/L)	56
Magnesium as $CaCO_3$ (mg/L)	18
Chloride as Cl- (mg/L)	12
Sulphate as SO_4^{-2} (mg/L)	18.2
Phosphate as PO_4 (mg/L)	0.3
Total Dissolved Solids (mg/L)	226
TFS (mg/L)	56
Fluoride (mg/l)	0.34
Boron (mg/l)	0.62
Na (mg/L)	28.2
K (mg/L)	12.4
NH4-N (mg/L)	0.8
TKN (mg/L)	1.6
Total Iron (mg/L)	0.30
Lead (mg/L)	0.101
Zinc (mg/L)	0.021
Copper (mg/L)	0.034
Total Chromium (mg/L)	0.026
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.026
Mercury (mg/L)	0.002
Arsenic(mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of Ground water of the catchment area of polluted stretch of River Brahmaputra – March,2021

Parameter	Bogibeelgaon (catchment of River Brahmaputra at Bogibeel)	Kumar gaon (catchment of River Brahmaputra at Nimatighat)	Tezpur (catchment of River Brahmaputra at DhenukhanaPahar)	Chandrapur (catchment of River Brahmaputra at Chandrapur)	Fancy Bazar (catchment of River Brahmaputra at KachariGhat)	Sualkuchi (catchment of River Brahmaputra at Sualkuchi)
pH	7.2	7.4	7.3	7.5	7.4	7.6
Cond(µS/cm)	124	236	112	252	156	122
BOD(mg/L)	2.0	1.8	1.8	1.6	1.8	2.0
COD(mg/L)	7.6	6.9	7.8	8.2	7.4	6.6
NO_3 -N (mg/L)	1.4	1.2	1.4	1.6	1.6	2.0
TSS (mg/L)	18	20	14	14	16	16
Turbidity (NTU)	03	03	03	04	03	04
p-Alkalinity (mg/L)	Nil	Nil	Nil	Nil	Nil	Nil
m-Alkalinity (mg/L)	72	110	96	106	92	90
Hardness (mg/L)	48	66	42	70	54	48
Calcium as $CaCO_3$(mg/L)	30	44	34	46	28	32
Magnesium as $CaCO_3$ (mg/L)	10	22	08	24	16	16
Chloride as Cl- (mg/L)	06	12	10	12	10	08
Sulphate as SO_4^{-2} (mg/L)	6.8	20.4	10.6	11.4	10.6	9.8
Phosphate as PO_4 (mg/L)	0.24	0.26	0.22	0.26	0.28	0.26
Total Dissolved Solids (mg/L)	82	156	74	166	106	82
TFS (mg/L)	22	40	18	42	26	20
Fluoride (mg/l)	0.23	0.41	0.24	0.36	0.30	0.34
Boron (mg/l)	0.61	0.58	0.56	0.54	0.54	0.53
Na (mg/L)	12.8	13.2	12.6	38.4	16.2	15.2

Annexure D

Parameter	Bogibeelgaon (catchment of River Brahmaputra at Bogibeel)	Kumar gaon (catchment of River Brahmaputra at Nimatighat)	Tezpur (catchment of River Brahmaputra at DhenukhanaPahar)	Chandrapur (catchment of River Brahmaputra at Chandrapur)	Fancy Bazar (catchment of River Brahmaputra at KachariGhat)	Sualkuchi (catchment of River Brahmaputra at Sualkuchi)
K (mg/L)	6.8	5.4	4.8	14.6	10.4	8.6
NH4-N (mg/L)	0.6	0.7	0.6	0.9	0.7	0.7
TKN (mg/L)	1.8	1.6	2.0	2.2	1.6	1.8
Total Iron (mg/L)	0.26	0.22	0.24	0.26	0.22	0.24
Lead (mg/L)	0.101	0.100	0.101	0.100	0.101	0.101
Zinc (mg/L)	0.040	0.042	0.041	0.040	0.042	0.038
Copper (mg/L)	0.032	0.038	0.036	0.042	0.038	0.046
Total Chromium (mg/L)	0.060	0.061	0.064	0.063	0.064	0.062
Nickel (mg/L)	0.101	0.102	0.100	0.102	0.101	0.100
Cadmium (mg/L)	0.021	0.022	0.024	0.023	0.022	0.024
Mercury (mg/L)	0.002	0.001	0.002	0.003	0.002	0.003
Arsenic(µg/L)	0.010	0.010	0.010	0.010	0.010	0.010
Total Coliform (MPN/100ml)	Nil	Nil	Nil	Nil	Nil	Nil
Faecal Coliform (MPN/100ml)	Nil	Nil	Nil	Nil	Nil	Nil

Annexure D

Latest analysis report of Groundwater at Kharsang (Catchment of Kharsang River)-March, 2021

Parameter	Value
pH	6.4
Cond(µS/cm)	234
BOD(mg/L)	1.8
COD(mg/L)	7.6
NO_3 -N (mg/L)	1.6
TSS (mg/L)	20
Turbidity (NTU)	03
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	108
Hardness (mg/L)	72
Calcium as $CaCO_3$(mg/L)	46
Magnesium as $CaCO_3$ (mg/L)	26
Chloride as Cl- (mg/L)	08
Sulphate as SO_4^{-2} (mg/L)	15.2
Phosphate as PO_4 (mg/L)	0.3
Total Dissolved Solids (mg/L)	154
TFS (mg/L)	38
Fluoride (mg/l)	0.24
Boron (mg/l)	0.52
Na (mg/L)	17.4
K (mg/L)	8.2
NH4-N (mg/L)	0.8
TKN (mg/L)	1.8
Total Iron (mg/L)	0.26
Lead (mg/L)	0.101
Zinc (mg/L)	0.062
Copper (mg/L)	0.033
Total Chromium (mg/L)	0.064
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.022
Mercury (mg/L)	0.003
Arsenic(mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of Groundwater at Nalbari (Catchment of Pagladia river)–March, 2021

Parameter	Value
pH	6.4
Cond(µS/cm)	270
BOD(mg/L)	2.2
COD(mg/L)	7.0
NO_3 -N (mg/L)	1.2
TSS (mg/L)	18
Turbidity (NTU)	04
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	54
Hardness (mg/L)	86
Calcium as $CaCO_3$(mg/L)	68
Magnesium as $CaCO_3$ (mg/L)	18
Chloride as Cl- (mg/L)	12
Sulphate as SO_4^{-2} (mg/L)	16.6
Phosphate as PO_4 (mg/L)	0.3
Total Dissolved Solids (mg/L)	178
TFS (mg/L)	44
Fluoride (mg/l)	0.33
Boron (mg/l)	0.52
Na (mg/L)	27.6
K (mg/L)	10.4
NH4-N (mg/L)	0.8
TKN (mg/L)	1.8
Total Iron (mg/L)	0.34
Lead (mg/L)	0.101
Zinc (mg/L)	0.030
Copper (mg/L)	0.036
Total Chromium (mg/L)	0.063
Nickel (mg/L)	0.100
Cadmium (mg/L)	0.023
Mercury (mg/L)	0.003
Arsenic(mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of Groundwater at GarubandhaKhankhata, Mazbat (Catchment of Panchnoi River) –March, 2021

Parameter	Value
pH	7.7
Cond(µS/cm)	148
BOD(mg/L)	1.6
COD(mg/L)	8.6
NO_3 -N (mg/L)	1.0
TSS (mg/L)	18
Turbidity (NTU)	04
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	40
Hardness (mg/L)	54
Calcium as $CaCO_3$(mg/L)	38
Magnesium as $CaCO_3$ (mg/L)	16
Chloride as Cl- (mg/L)	12
Sulphate as SO_4^{-2} (mg/L)	2.6
Phosphate as PO_4 (mg/L)	0.3
Total Dissolved Solids (mg/L)	98
TFS (mg/L)	24
Fluoride (mg/l)	0.23
Boron (mg/l)	0.51
Na (mg/L)	9.6
K (mg/L)	4.2
NH4-N (mg/L)	0.8
TKN (mg/L)	1.6
Total Iron (mg/L)	0.28
Lead (mg/L)	0.101
Zinc (mg/L)	0.026
Copper (mg/L)	0.033
Total Chromium (mg/L)	0.060
Nickel (mg/L)	0.100
Cadmium (mg/L)	0.023
Mercury (mg/L)	0.003
Arsenic(mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area ofpolluted stretch of river Baroi–March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.2
Cond (µS/cm)	128
BOD (mg/L)	1.8
COD (mg/L)	7.6
NO^3-N (mg/L)	1.2
TSS (mg/L)	18
Turbidity (NTU)	03
p-Alkalinity (mg/L)	0
m-Alkalinity (mg/L)	72
Hardness (mg/L)	58
Calcium as $CaCo^3$ (mg/L)	46
Magnesium as $CaCo^3$ (mg/L)	12
Chloride as Cl^-(mg/L)	08
Sulphate asSO_4^{-2} (mg/L)	8.0
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.8
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	86
TFS (mg/L)	22
Fluoride (mg/L)	0.22
Boron (mg/L)	0.52
Na (mg/L)	9.4
K (mg/L)	3.8
Total Iron (mg/L)	0.40
Lead (mg/L)	0.101
Zinc (mg/L)	0.024
Copper (mg/L)	0.041
Total Chromium (mg/L)	0.070
Nickel (mg/L)	0.102
Cadmium (mg/L)	0.023
Mercury (mg/L)	0.002
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of river Barak-March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.0
Cond (µS/cm)	146
BOD (mg/L)	1.6
COD (mg/L)	7.4
NO^3-N (mg/L)	0.8
TSS (mg/L)	18
Turbidity (NTU)	03
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	50
Hardness (mg/L)	54
Calcium as $CaCo^3$ (mg/L)	38
Magnesium as $CaCo^3$ (mg/L)	16
Chloride as Cl^-(mg/L)	08
Sulphate asSO_4^{-2} (mg/L)	14.6
Phosphate as PO_4(mg/L)	0.28
TKN (mg/L)	1.8
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	96
TFS (mg/L)	24
Fluoride (mg/L)	0.23
Boron (mg/L)	0.62
Na (mg/L)	9.2
K (mg/L)	3.8
Total Iron (mg/L)	0.43
Lead (mg/L)	0.102
Zinc (mg/L)	0.026
Copper (mg/L)	0.032
Total Chromium (mg/L)	0.062
Nickel (mg/L)	0.100
Cadmium (mg/L)	0.033
Mercury (mg/L)	0.003
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of Bega River M.G. Road,-March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.2
Cond (µS/cm)	152
BOD (mg/L)	1.8
COD (mg/L)	9.1
NO^3-N (mg/L)	1.0
TSS (mg/L)	16
Turbidity (NTU)	04
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	72
Hardness (mg/L)	54
Calcium as $CaCo^3$ (mg/L)	36
Magnesium as $CaCo^3$ (mg/L)	18
Chloride as Cl^-(mg/L)	08
Sulphate as SO_4^{-2} (mg/L)	9.2
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.6
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	100
TFS (mg/L)	26
Fluoride (mg/L)	0.33
Boron (mg/L)	0.62
Na (mg/L)	8.8
K (mg/L)	4.2
Total Iron (mg/L)	0.24
Lead (mg/L)	0.101
Zinc (mg/L)	0.045
Copper (mg/L)	0.042
Total Chromium (mg/L)	0.030
Nickel (mg/L)	0.062
Cadmium (mg/L)	0.021
Mercury (mg/L)	0.001
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Latest analysis report of ground water from catchment area of polluted stretch of Beki river –March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.0
Cond (µS/cm)	114
BOD (mg/L)	1.6
COD (mg/L)	8.0
NO^3-N (mg/L)	1.0
TSS (mg/L)	18
Turbidity (NTU)	02
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	68
Hardness (mg/L)	54
Calcium as $CaCo^3$ (mg/L)	36
Magnesium as $CaCo^3$ (mg/L)	18
Chloride as Cl^-(mg/L)	08
Sulphate asSO_4^{-2} (mg/L)	11.8
Phosphate as PO_4(mg/L)	0.26
TKN (mg/L)	1.8
NH4-H (mg/L)	0.6
Total Dissolved Solid (mg/L)	76
TFS (mg/L)	20
Fluoride (mg/L)	0.31
Boron (mg/L)	0.64
Na (mg/L)	11.8
K (mg/L)	4.0
Total Iron (mg/L)	0.30
Lead (mg/L)	0.120
Zinc (mg/L)	0.044
Copper (mg/L)	0.033
Total Chromium (mg/L)	0.063
Nickel (mg/L)	0.103
Cadmium (mg/L)	0.032
Mercury (mg/L)	0.001
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Latest analysis report of ground water from catchment area of polluted stretch of Bhogdoiriver – March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.2
Cond (µS/cm)	206
BOD (mg/L)	1.8
COD (mg/L)	7.8
NO^3-N (mg/L)	1.2
TSS (mg/L)	18
Turbidity (NTU)	3
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	66
Hardness (mg/L)	54
Calcium as $CaCo^3$ (mg/L)	40
Magnesium as $CaCo^3$ (mg/L)	14
Chloride as Cl^-(mg/L)	06
Sulphate asSO_4^{-2} (mg/L)	13.4
Phosphate as PO_4(mg/L)	0.22
TKN (mg/L)	1.8
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	136
TFS (mg/L)	34
Fluoride (mg/L)	0.34
Boron (mg/L)	0.56
Na (mg/L)	11.3
K (mg/L)	4.4
Total Iron (mg/L)	0.28
Lead (mg/L)	0.102
Zinc (mg/L)	0.044
Copper (mg/L)	0.052
Total Chromium (mg/L)	0.062
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.020
Mercury (mg/L)	0.003
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Latest analysis report of ground water from catchment area of polluted stretch of Boginadi – March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	6.8
Cond (µS/cm)	150
BOD (mg/L)	1.6
COD (mg/L)	7.2
NO^3-N (mg/L)	1.2
TSS (mg/L)	16
Turbidity (NTU)	3
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	72
Hardness (mg/L)	56
Calcium as $CaCo^3$ (mg/L)	44
Magnesium as $CaCo^3$ (mg/L)	12
Chloride as Cl^-(mg/L)	10
Sulphate asSO_4^{-2} (mg/L)	11.6
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.6
NH4-H (mg/L)	1.2
Total Dissolved Solid (mg/L)	100
TFS (mg/L)	26
Fluoride (mg/L)	0.33
Boron (mg/L)	0.51
Na (mg/L)	12.8
K (mg/L)	6.2
Total Iron (mg/L)	0.33
Lead (mg/L)	0.100
Zinc (mg/L)	0.041
Copper (mg/L)	0.030
Total Chromium (mg/L)	0.042
Nickel (mg/L)	0.060
Cadmium (mg/L)	0.021
Mercury (mg/L)	0.002
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of Buridihingriver at Margherita – March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.3
Cond (µS/cm)	180
BOD (mg/L)	1.8
COD (mg/L)	7.0
NO^3-N (mg/L)	1.4
TSS (mg/L)	20
Turbidity (NTU)	3
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	60
Hardness (mg/L)	56
Calcium as $CaCo^3$ (mg/L)	38
Magnesium as $CaCo^3$ (mg/L)	18
Chloride as Cl^-(mg/L)	12
Sulphate asSO_4^{-2} (mg/L)	12.2
Phosphate as PO_4(mg/L)	0.24
TKN (mg/L)	1.8
NH4-H (mg/L)	1.0
Total Dissolved Solid (mg/L)	120
TFS (mg/L)	30
Fluoride (mg/L)	0.31
Boron (mg/L)	0.64
Na (mg/L)	15.4
K (mg/L)	6.8
Total Iron (mg/L)	0.24
Lead (mg/L)	0.101
Zinc (mg/L)	0.034
Copper (mg/L)	0.042
Total Chromium (mg/L)	0.060
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.024
Mercury (mg/L)	0.002
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis of ground water from catchment area of polluted stretch of Dhansiririver at Golaghat- March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.4
Cond (µS/cm)	160
BOD (mg/L)	1.8
COD (mg/L)	7.6
NO^3-N (mg/L)	1.2
TSS (mg/L)	16
Turbidity (NTU)	4
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	62
Hardness (mg/L)	54
Calcium as $CaCo^3$ (mg/L)	38
Magnesium as $CaCo^3$ (mg/L)	16
Chloride as Cl^-(mg/L)	08
Sulphate asSO_4^{-2} (mg/L)	11.2
Phosphate as PO_4(mg/L)	0.26
TKN (mg/L)	1.6
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	108
TFS (mg/L)	28
Fluoride (mg/L)	0.43
Boron (mg/L)	0.53
Na (mg/L)	11.6
K (mg/L)	4.2
Total Iron (mg/L)	0.28
Lead (mg/L)	0.102
Zinc (mg/L)	0.044
Copper (mg/L)	0.033
Total Chromium (mg/L)	0.062
Nickel (mg/L)	0.102
Cadmium (mg/L)	0.033
Mercury (mg/L)	0.003
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of Dikhowriver at Dikhowmukh- March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.3
Cond (µS/cm)	160
BOD (mg/L)	2.2
COD (mg/L)	9.6
NO^3-N (mg/L)	1.6
TSS (mg/L)	16
Turbidity (NTU)	4
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	64
Hardness (mg/L)	58
Calcium as $CaCo^3$ (mg/L)	46
Magnesium as $CaCo^3$ (mg/L)	12
Chloride as Cl^-(mg/L)	12
Sulphate asSO_4^{-2} (mg/L)	11.8
Phosphate as PO_4(mg/L)	0.24
TKN (mg/L)	1.8
NH4-H (mg/L)	1.0
Total Dissolved Solid (mg/L)	108
TFS (mg/L)	28
Fluoride (mg/L)	0.22
Boron (mg/L)	0.58
Na (mg/L)	11.8
K (mg/L)	4.0
Total Iron (mg/L)	0.33
Lead (mg/L)	0.101
Zinc (mg/L)	0.043
Copper (mg/L)	0.052
Total Chromium (mg/L)	0.060
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.022
Mercury (mg/L)	0.001
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of DikrongRiver near NH-52 Bridge- March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.2
Cond (µS/cm)	168
BOD (mg/L)	1.6
COD (mg/L)	8.0
NO^3-N (mg/L)	1.0
TSS (mg/L)	18
Turbidity (NTU)	2
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	52
Hardness (mg/L)	54
Calcium as $CaCo^3$ (mg/L)	38
Magnesium as $CaCo^3$ (mg/L)	16
Chloride as Cl^-(mg/L)	10
Sulphate asSO_4^{-2} (mg/L)	11.8
Phosphate as PO_4(mg/L)	0.2
TKN (mg/L)	1.6
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	112
TFS (mg/L)	28
Fluoride (mg/L)	0.33
Boron (mg/L)	0.54
Na (mg/L)	12.4
K (mg/L)	5.2
Total Iron (mg/L)	0.20
Lead (mg/L)	0.100
Zinc (mg/L)	0.044
Copper (mg/L)	0.042
Total Chromium (mg/L)	0.060
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.022
Mercury (mg/L)	0.002
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of Disangriver at Dillighat- March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	6.6
Cond (µS/cm)	182
BOD (mg/L)	1.8
COD (mg/L)	7.0
NO^3-N (mg/L)	1.4
TSS (mg/L)	20
Turbidity (NTU)	4
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	74
Hardness (mg/L)	48
Calcium as $CaCo^3$ (mg/L)	32
Magnesium as $CaCo^3$ (mg/L)	16
Chloride as Cl^-(mg/L)	12
Sulphate asSO_4^{-2} (mg/L)	10.2
Phosphate as PO_4(mg/L)	0.22
TKN (mg/L)	1.8
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	120
TFS (mg/L)	30
Fluoride (mg/L)	0.21
Boron (mg/L)	0.52
Na (mg/L)	11.6
K (mg/L)	4.8
Total Iron (mg/L)	0.26
Lead (mg/L)	0.101
Zinc (mg/L)	0.044
Copper (mg/L)	0.030
Total Chromium (mg/L)	0.062
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.026
Mercury (mg/L)	0.003
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest river analysis report of ground water from catchment area of polluted stretch of Gabharu river near bridge NH-52,TumukiSonitpur – March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.0
Cond (µS/cm)	142
BOD (mg/L)	1.6
COD (mg/L)	7.8
NO^3-N (mg/L)	1.2
TSS (mg/L)	18
Turbidity (NTU)	3
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	54
Hardness (mg/L)	48
Calcium as $CaCo^3$ (mg/L)	36
Magnesium as $CaCo^3$ (mg/L)	12
Chloride as Cl^-(mg/L)	8
Sulphate asSO_4^{-2} (mg/L)	11.4
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.8
NH4-H (mg/L)	1.0
Total Dissolved Solid (mg/L)	96
TFS (mg/L)	24
Fluoride (mg/L)	0.32
Boron (mg/L)	0.62
Na (mg/L)	9.6
K (mg/L)	3.8
Total Iron (mg/L)	0.24
Lead (mg/L)	0.100
Zinc (mg/L)	0.042
Copper (mg/L)	0.044
Total Chromium (mg/L)	0.063
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.024
Mercury (mg/L)	0.002
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of JiaBharaliriver near BiswanathChariali- March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.4
Cond (µS/cm)	166
BOD (mg/L)	1.6
COD (mg/L)	7.2
NO^3-N (mg/L)	1.0
TSS (mg/L)	16
Turbidity (NTU)	4
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	70
Hardness (mg/L)	52
Calcium as $CaCo^3$ (mg/L)	38
Magnesium as $CaCo^3$ (mg/L)	14
Chloride as Cl^-(mg/L)	10
Sulphate asSO_4^{-2} (mg/L)	11.6
Phosphate as PO_4(mg/L)	0.26
TKN (mg/L)	1.8
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	110
TFS (mg/L)	28
Fluoride (mg/L)	0.33
Boron (mg/L)	0.62
Na (mg/L)	9.8
K (mg/L)	4.0
Total Iron (mg/L)	0.24
Lead (mg/L)	0.102
Zinc (mg/L)	0.040
Copper (mg/L)	0.038
Total Chromium (mg/L)	0.060
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.024
Mercury (mg/L)	0.002
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of Jhanjiriver at NH crossing, Jorhat – March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.4
Cond (µS/cm)	130
BOD (mg/L)	1.8
COD (mg/L)	8.0
NO^3-N (mg/L)	1.2
TSS (mg/L)	18
Turbidity (NTU)	4
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	70
Hardness (mg/L)	58
Calcium as $CaCo^3$ (mg/L)	38
Magnesium as $CaCo^3$ (mg/L)	20
Chloride as Cl^-(mg/L)	10
Sulphate asSO_4^{-2} (mg/L)	12.4
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.8
NH4-H (mg/L)	0.6
Total Dissolved Solid (mg/L)	88
TFS (mg/L)	22
Fluoride (mg/L)	0.40
Boron (mg/L)	0.48
Na (mg/L)	7.8
K (mg/L)	3.4
Total Iron (mg/L)	0.24
Lead (mg/L)	0.102
Zinc (mg/L)	0.046
Copper (mg/L)	0.034
Total Chromium (mg/L)	0.064
Nickel (mg/L)	0.102
Cadmium (mg/L)	0.032
Mercury (mg/L)	0.001
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of D/S of Kolong river ADP bridge , Nagaon – March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.2
Cond (µS/cm)	150
BOD (mg/L)	1.4
COD (mg/L)	7.8
NO^3-N (mg/L)	1.4
TSS (mg/L)	18
Turbidity (NTU)	4
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	68
Hardness (mg/L)	52
Calcium as $CaCo^3$ (mg/L)	36
Magnesium as $CaCo^3$ (mg/L)	16
Chloride as Cl^-(mg/L)	10
Sulphate asSO_4^{-2} (mg/L)	12.6
Phosphate as PO_4(mg/L)	0.2
TKN (mg/L)	1.8
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	100
TFS (mg/L)	26
Fluoride (mg/L)	0.32
Boron (mg/L)	0.62
Na (mg/L)	9.8
K (mg/L)	4.2
Total Iron (mg/L)	0.24
Lead (mg/L)	0.101
Zinc (mg/L)	0.043
Copper (mg/L)	0.040
Total Chromium (mg/L)	0.064
Nickel (mg/L)	0.104
Cadmium (mg/L)	0.023
Mercury (mg/L)	0.001
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of Kulsiriver at Chaygaon, near NH-37 – March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.2
Cond (µS/cm)	170
BOD (mg/L)	1.2
COD (mg/L)	7.2
NO^3-N (mg/L)	1.4
TSS (mg/L)	18
Turbidity (NTU)	4
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	68
Hardness (mg/L)	52
Calcium as $CaCo^3$ (mg/L)	38
Magnesium as $CaCo^3$ (mg/L)	14
Chloride as Cl^-(mg/L)	10
Sulphate asSO_4^{-2} (mg/L)	13.6
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.6
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	112
TFS (mg/L)	28
Fluoride (mg/L)	0.33
Boron (mg/L)	0.62
Na (mg/L)	12.8
K (mg/L)	7.6
Total Iron (mg/L)	0.23
Lead (mg/L)	0.104
Zinc (mg/L)	0.044
Copper (mg/L)	0.042
Total Chromium (mg/L)	0.061
Nickel (mg/L)	0.100
Cadmium (mg/L)	0.023
Mercury (mg/L)	0.001
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of Kapili river at Dharamtul bridge,NH-35- March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.2
Cond (µS/cm)	164
BOD (mg/L)	1.2
COD (mg/L)	7.8
NO^3-N (mg/L)	1.2
TSS (mg/L)	18
Turbidity (NTU)	4
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	60
Hardness (mg/L)	58
Calcium as $CaCo^3$ (mg/L)	42
Magnesium as $CaCo^3$ (mg/L)	16
Chloride as Cl^-(mg/L)	08
Sulphate asSO_4^{-2} (mg/L)	12.2
Phosphate as PO_4(mg/L)	0.23
TKN (mg/L)	1.8
NH4-H (mg/L)	1.0
Total Dissolved Solid (mg/L)	108
TFS (mg/L)	28
Fluoride (mg/L)	0.31
Boron (mg/L)	0.61
Na (mg/L)	13.0
K (mg/L)	4.8
Total Iron (mg/L)	0.33
Lead (mg/L)	0.100
Zinc (mg/L)	0.042
Copper (mg/L)	0.033
Total Chromium (mg/L)	0.061
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.022
Mercury (mg/L)	0.003
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of Mora Bharaliriver,Tezpur – March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.2
Cond (µS/cm)	210
BOD (mg/L)	1.6
COD (mg/L)	7.4
NO^3-N (mg/L)	1.0
TSS (mg/L)	18
Turbidity (NTU)	4
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	0
Hardness (mg/L)	60
Calcium as $CaCo^3$ (mg/L)	46
Magnesium as $CaCo^3$ (mg/L)	14
Chloride as Cl^-(mg/L)	10
Sulphate asSO_4^{-2} (mg/L)	11.4
Phosphate as PO_4(mg/L)	0.24
TKN (mg/L)	1.8
NH4-H (mg/L)	0.6
Total Dissolved Solid (mg/L)	138
TFS (mg/L)	36
Fluoride (mg/L)	0.26
Boron (mg/L)	0.58
Na (mg/L)	12.2
K (mg/L)	4.6
Total Iron (mg/L)	0.33
Lead (mg/L)	0.101
Zinc (mg/L)	0.024
Copper (mg/L)	0.046
Total Chromium (mg/L)	0.060
Nickel (mg/L)	0.102
Cadmium (mg/L)	0.024
Mercury (mg/L)	0.003
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of Killing river in Marigaondist - March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.3
Cond (µS/cm)	180
BOD (mg/L)	2.2
COD (mg/L)	8.4
NO^3-N (mg/L)	1.4
TSS (mg/L)	18
Turbidity (NTU)	4
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	70
Hardness (mg/L)	62
Calcium as $CaCo^3$ (mg/L)	46
Magnesium as $CaCo^3$ (mg/L)	16
Chloride as Cl^-(mg/L)	8
Sulphate asSO_4^{-2} (mg/L)	13.2
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.6
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	120
TFS (mg/L)	30
Fluoride (mg/L)	0.23
Boron (mg/L)	0.56
Na (mg/L)	12.6
K (mg/L)	6.4
Total Iron (mg/L)	0.28
Lead (mg/L)	0.101
Zinc (mg/L)	0.042
Copper (mg/L)	0.036
Total Chromium (mg/L)	0.063
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.033
Mercury (mg/L)	0.002
Arsenic (mg/L)	0.011
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of Puthimaririver at NH crossing, Kohara- March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.0
Cond (µS/cm)	168
BOD (mg/L)	1.8
COD (mg/L)	8.6
NO^3-N (mg/L)	1.4
TSS (mg/L)	16
Turbidity (NTU)	4
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	80
Hardness (mg/L)	58
Calcium as $CaCo^3$ (mg/L)	46
Magnesium as $CaCo^3$ (mg/L)	12
Chloride as Cl^-(mg/L)	10
Sulphate asSO_4^{-2} (mg/L)	13.2
Phosphate as PO_4(mg/L)	0.2
TKN (mg/L)	1.6
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	112
TFS (mg/L)	28
Fluoride (mg/L)	0.26
Boron (mg/L)	0.54
Na (mg/L)	11.6
K (mg/L)	6.0
Total Iron (mg/L)	0.24
Lead (mg/L)	0.102
Zinc (mg/L)	0.040
Copper (mg/L)	0.044
Total Chromium (mg/L)	0.063
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.033
Mercury (mg/L)	0.001
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of Kohararivier at NH crossing, Kohara–March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.4
Cond (µS/cm)	198
BOD (mg/L)	2.0
COD (mg/L)	8.0
NO^3-N (mg/L)	1.0
TSS (mg/L)	18
Turbidity (NTU)	3
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	104
Hardness (mg/L)	72
Calcium as $CaCo^3$ (mg/L)	56
Magnesium as $CaCo^3$ (mg/L)	16
Chloride as Cl^-(mg/L)	12
Sulphate asSO_4^{-2} (mg/L)	14.8
Phosphate as PO_4(mg/L)	0.24
TKN (mg/L)	1.8
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	130
TFS (mg/L)	34
Fluoride (mg/L)	0.33
Boron (mg/L)	0.52
Na (mg/L)	13.6
K (mg/L)	6.2
Total Iron (mg/L)	0.31
Lead (mg/L)	0.101
Zinc (mg/L)	0.040
Copper (mg/L)	0.031
Total Chromium (mg/L)	0.060
Nickel (mg/L)	0.100
Cadmium (mg/L)	0.032
Mercury (mg/L)	0.001
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of Ranganadi at D/S of Hydel project ,Gerukamukh- March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.1
Cond (µS/cm)	174
BOD (mg/L)	1.8
COD (mg/L)	8.4
NO^3-N (mg/L)	1.2
TSS (mg/L)	18
Turbidity (NTU)	4
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	84
Hardness (mg/L)	68
Calcium as $CaCo^3$ (mg/L)	44
Magnesium as $CaCo^3$ (mg/L)	24
Chloride as Cl^-(mg/L)	12
Sulphate asSO_4^{-2} (mg/L)	16.2
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.8
NH4-H (mg/L)	0.6
Total Dissolved Solid (mg/L)	116
TFS (mg/L)	28
Fluoride (mg/L)	0.23
Boron (mg/L)	0.56
Na (mg/L)	11.2
K (mg/L)	5.6
Total Iron (mg/L)	0.26
Lead (mg/L)	0.101
Zinc (mg/L)	0.046
Copper (mg/L)	0.052
Total Chromium (mg/L)	0.064
Nickel (mg/L)	0.102
Cadmium (mg/L)	0.022
Mercury (mg/L)	0.001
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of Sankosh river at Dhubri dist.-March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.2
Cond (µS/cm)	204
BOD (mg/L)	1.8
COD (mg/L)	7.8
NO^3-N (mg/L)	1.2
TSS (mg/L)	18
Turbidity (NTU)	4
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	76
Hardness (mg/L)	70
Calcium as $CaCo^3$ (mg/L)	46
Magnesium as $CaCo^3$ (mg/L)	24
Chloride as Cl^-(mg/L)	10
Sulphate asSO_4^{-2} (mg/L)	13.6
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.6
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	136
TFS (mg/L)	34
Fluoride (mg/L)	0.32
Boron (mg/L)	0.58
Na (mg/L)	11.2
K (mg/L)	5.8
Total Iron (mg/L)	0.33
Lead (mg/L)	0.102
Zinc (mg/L)	0.044
Copper (mg/L)	0.042
Total Chromium (mg/L)	0.064
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.020
Mercury (mg/L)	0.002
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of Sonairiver at Sonai- March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.4
Cond (µS/cm)	160
BOD (mg/L)	1.2
COD (mg/L)	9.6
NO^3-N (mg/L)	1.2
TSS (mg/L)	20
Turbidity (NTU)	4
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	70
Hardness (mg/L)	66
Calcium as $CaCo^3$ (mg/L)	38
Magnesium as $CaCo^3$ (mg/L)	28
Chloride as Cl^-(mg/L)	10
Sulphate asSO_4^{-2} (mg/L)	13.2
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.6
NH4-H (mg/L)	0.6
Total Dissolved Solid (mg/L)	108
TFS (mg/L)	28
Fluoride (mg/L)	0.23
Boron (mg/L)	0.52
Na (mg/L)	9.6
K (mg/L)	4.8
Total Iron (mg/L)	0.32
Lead (mg/L)	0.101
Zinc (mg/L)	0.042
Copper (mg/L)	0.060
Total Chromium (mg/L)	0.063
Nickel (mg/L)	0.102
Cadmium (mg/L)	0.036
Mercury (mg/L)	0.002
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of Borbeel at Jokai- March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.1
Cond (µS/cm)	164
BOD (mg/L)	2.0
COD (mg/L)	7.1
NO^3-N (mg/L)	1.2
TSS (mg/L)	18
Turbidity (NTU)	4
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	76
Hardness (mg/L)	68
Calcium as $CaCo^3$ (mg/L)	46
Magnesium as $CaCo^3$ (mg/L)	22
Chloride as Cl^-(mg/L)	10
Sulphate asSO_4^{-2} (mg/L)	11.5
Phosphate as PO_4(mg/L)	0.22
TKN (mg/L)	2.0
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	108
TFS (mg/L)	28
Fluoride (mg/L)	0.30
Boron (mg/L)	0.64
Na (mg/L)	12.8
K (mg/L)	4.8
Total Iron (mg/L)	0.26
Lead (mg/L)	0.101
Zinc (mg/L)	0.042
Copper (mg/L)	0.048
Total Chromium (mg/L)	0.062
Nickel (mg/L)	0.102
Cadmium (mg/L)	0.032
Mercury (mg/L)	0.002
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of BordoibumBeelmukh- March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.2
Cond (µS/cm)	172
BOD (mg/L)	2.2
COD (mg/L)	7.8
NO^3-N (mg/L)	1.4
TSS (mg/L)	20
Turbidity (NTU)	4
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	74
Hardness (mg/L)	54
Calcium as $CaCo^3$ (mg/L)	36
Magnesium as $CaCo^3$ (mg/L)	18
Chloride as Cl^-(mg/L)	10
Sulphate asSO_4^{-2} (mg/L)	11.8
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.8
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	114
TFS (mg/L)	28
Fluoride (mg/L)	0.31
Boron (mg/L)	0.58
Na (mg/L)	14.8
K (mg/L)	4.2
Total Iron (mg/L)	0.26
Lead (mg/L)	0.101
Zinc (mg/L)	0.040
Copper (mg/L)	0.033
Total Chromium (mg/L)	0.062
Nickel (mg/L)	0.102
Cadmium (mg/L)	0.026
Mercury (mg/L)	0.003
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of DiplaiBeel- March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.0
Cond (µS/cm)	140
BOD (mg/L)	2.0
COD (mg/L)	11.4
NO^3-N (mg/L)	1.0
TSS (mg/L)	18
Turbidity (NTU)	3
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	70
Hardness (mg/L)	56
Calcium as $CaCo^3$ (mg/L)	38
Magnesium as $CaCo^3$ (mg/L)	18
Chloride as Cl^-(mg/L)	08
Sulphate asSO_4^{-2} (mg/L)	12.2
Phosphate as PO_4(mg/L)	0.24
TKN (mg/L)	1.8
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	94
TFS (mg/L)	22
Fluoride (mg/L)	0.31
Boron (mg/L)	0.54
Na (mg/L)	12.4
K (mg/L)	5.2
Total Iron (mg/L)	0.30
Lead (mg/L)	0.102
Zinc (mg/L)	0.044
Copper (mg/L)	0.046
Total Chromium (mg/L)	0.066
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.023
Mercury (mg/L)	0.002
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of HoludungaBeel- March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	6.9
Cond (µS/cm)	150
BOD (mg/L)	1.8
COD (mg/L)	7.0
NO^3-N (mg/L)	1.0
TSS (mg/L)	20
Turbidity (NTU)	3
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	72
Hardness (mg/L)	58
Calcium as $CaCo^3$ (mg/L)	40
Magnesium as $CaCo^3$ (mg/L)	18
Chloride as Cl^-(mg/L)	08
Sulphate asSO_4^{-2} (mg/L)	13.6
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.8
NH4-H (mg/L)	1.0
Total Dissolved Solid (mg/L)	100
TFS (mg/L)	26
Fluoride (mg/L)	0.26
Boron (mg/L)	0.51
Na (mg/L)	12.0
K (mg/L)	5.4
Total Iron (mg/L)	0.32
Lead (mg/L)	0.104
Zinc (mg/L)	0.042
Copper (mg/L)	0.041
Total Chromium (mg/L)	0.061
Nickel (mg/L)	0.100
Cadmium (mg/L)	0.022
Mercury (mg/L)	0.002
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of MaliniBeel- March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.2
Cond (µS/cm)	240
BOD (mg/L)	1.6
COD (mg/L)	8.2
NO^3-N (mg/L)	1.2
TSS (mg/L)	18
Turbidity (NTU)	4
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	104
Hardness (mg/L)	88
Calcium as $CaCo^3$ (mg/L)	64
Magnesium as $CaCo^3$ (mg/L)	24
Chloride as Cl^-(mg/L)	10
Sulphate asSO_4^{-2} (mg/L)	16.6
Phosphate as PO_4(mg/L)	0.22
TKN (mg/L)	2.0
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	158
TFS (mg/L)	40
Fluoride (mg/L)	0.31
Boron (mg/L)	0.50
Na (mg/L)	13.6
K (mg/L)	8.2
Total Iron (mg/L)	0.26
Lead (mg/L)	0.100
Zinc (mg/L)	0.034
Copper (mg/L)	0.040
Total Chromium (mg/L)	0.062
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.025
Mercury (mg/L)	0.002
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of ParasaliBeel- March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.1
Cond (µS/cm)	156
BOD (mg/L)	1.8
COD (mg/L)	8.2
NO^3-N (mg/L)	1.2
TSS (mg/L)	20
Turbidity (NTU)	3
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	70
Hardness (mg/L)	58
Calcium as $CaCo^3$ (mg/L)	36
Magnesium as $CaCo^3$ (mg/L)	22
Chloride as Cl^-(mg/L)	08
Sulphate asSO_4^{-2} (mg/L)	12.1
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.6
NH4-H (mg/L)	0.6
Total Dissolved Solid (mg/L)	106
TFS (mg/L)	26
Fluoride (mg/L)	0.26
Boron (mg/L)	0.52
Na (mg/L)	12.4
K (mg/L)	4.6
Total Iron (mg/L)	0.21
Lead (mg/L)	0.102
Zinc (mg/L)	0.46
Copper (mg/L)	0.042
Total Chromium (mg/L)	0.061
Nickel (mg/L)	0.102
Cadmium (mg/L)	0.032
Mercury (mg/L)	0.003
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of SamaguriBeel- March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.0
Cond (µS/cm)	186
BOD (mg/L)	1.4
COD (mg/L)	8.4
NO^3-N (mg/L)	1.4
TSS (mg/L)	16
Turbidity (NTU)	3
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	70
Hardness (mg/L)	64
Calcium as $CaCo^3$ (mg/L)	46
Magnesium as $CaCo^3$ (mg/L)	18
Chloride as Cl^-(mg/L)	10
Sulphate asSO_4^{-2} (mg/L)	11.6
Phosphate as PO_4(mg/L)	0.22
TKN (mg/L)	1.8
NH4-H (mg/L)	0.6
Total Dissolved Solid (mg/L)	122
TFS (mg/L)	30
Fluoride (mg/L)	0.22
Boron (mg/L)	0.56
Na (mg/L)	11.1
K (mg/L)	5.4
Total Iron (mg/L)	0.30
Lead (mg/L)	0.103
Zinc (mg/L)	0.041
Copper (mg/L)	0.054
Total Chromium (mg/L)	0.062
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.021
Mercury (mg/L)	0.002
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of Son Beel–March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.4
Cond (µS/cm)	208
BOD (mg/L)	1.8
COD (mg/L)	8.4
NO^3-N (mg/L)	1.0
TSS (mg/L)	18
Turbidity (NTU)	4
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	80
Hardness (mg/L)	68
Calcium as $CaCo^3$ (mg/L)	46
Magnesium as $CaCo^3$ (mg/L)	22
Chloride as Cl^-(mg/L)	08
Sulphate asSO_4^{-2} (mg/L)	12.2
Phosphate as PO_4(mg/L)	0.3
TKN (mg/L)	1.6
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	138
TFS (mg/L)	34
Fluoride (mg/L)	0.31
Boron (mg/L)	0.54
Na (mg/L)	12.4
K (mg/L)	4.8
Total Iron (mg/L)	0.28
Lead (mg/L)	0.101
Zinc (mg/L)	0.043
Copper (mg/L)	0.041
Total Chromium (mg/L)	0.063
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.023
Mercury (mg/L)	0.001
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil

Annexure D

Latest analysis report of ground water from catchment area of polluted stretch of Tengapukhuri – March, 2021

Parameter	Value
D.O.(mg/L)	Nil
pH	7.4
Cond (µS/cm)	202
BOD (mg/L)	2.0
COD (mg/L)	8.6
NO^3-N (mg/L)	1.4
TSS (mg/L)	18
Turbidity (NTU)	4
p-Alkalinity (mg/L)	Nil
m-Alkalinity (mg/L)	76
Hardness (mg/L)	68
Calcium as $CaCo^3$ (mg/L)	54
Magnesium as $CaCo^3$ (mg/L)	14
Chloride as Cl^-(mg/L)	10
Sulphate asSO_4^{-2} (mg/L)	12.8
Phosphate as PO_4(mg/L)	0.24
TKN (mg/L)	1.6
NH4-H (mg/L)	0.8
Total Dissolved Solid (mg/L)	134
TFS (mg/L)	34
Fluoride (mg/L)	0.23
Boron (mg/L)	0.8
Na (mg/L)	13.4
K (mg/L)	7.0
Total Iron (mg/L)	0.26
Lead (mg/L)	0.102
Zinc (mg/L)	0.043
Copper (mg/L)	0.038
Total Chromium (mg/L)	0.062
Nickel (mg/L)	0.101
Cadmium (mg/L)	0.030
Mercury (mg/L)	0.001
Arsenic (mg/L)	0.010
Total Coliform (MPN/100ml)	Nil
Faecal Coliform (MPN/100ml)	Nil