



BIHAR STATE POLLUTION CONTROL BOARD

Parivesh Bhawan, Patliputra Industrial Area, P.O.-Sadakat Ashram, Patna-800010

EPABX-0612-2261250/2262265, Fax-0612-2261050

Ref. No. 3108

Patna, dated-23/11/22

From,

S. Chandrasekar, IFS,
Member Secretary.

To,

The Member Secretary,
Central Pollution Control Board,
Parivesh Bhawan, East Arjun Nagar,
Delhi-110032.

Sub:-**Submission of monthly progress report for the month of October, 2022 by State as per orders of the Hon'ble NGT dated- 24.09.2020 in O.A. No.673/2018.**

Sir,

Please find herewith the monthly progress report for the month of October, 2022 in compliance with the order of the Hon'ble NGT dated- 24.09.2020 in O.A. No.673/2018 for needful action.

Encl: As above.

Yours faithfully,

Sd/-

(S. Chandrasekar)
Member Secretary.

Memo No.

Patna, dated-

Copy to Sri D.P. Mathuria, Executive Director (Tech.), National Mission for Clean Ganga (NMCG), First Floor, Major Dhyan Chad National Stadium, India Gate, New Delhi-110002 for information and necessary action.

Sd/-

(S. Chandrasekar)
Member Secretary.

Memo No.

Patna, dated-

Copy to the Secretary, Urban Development & Housing Department, Govt. of Bihar for information and necessary action.

Sd/-

(S. Chandrasekar)
Member Secretary.

Memo No. 3108

Patna, dated-

Copy to the Principal Secretary, Department of Environment, Forest & Climate Change, Govt. of Bihar for information and necessary action.

23/11/22

(S. Chandrasekar)
Member Secretary.

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

For the State of Bihar

Overall status of the State:

I. Total Population: Urban Population & Rural Population separately: **104,099,452**

(Urban Population: 1,17,58,016 (11.29%) & Rural Population : 9,23,41,436 (88.71%) as per the census 2011).

I. Estimated Sewage Generation (MLD): **1100 MLD (Approx.) from urban areas.**

II. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): **03 STPs - Total 140 MLD: (Beur STP (New) (43 MLD), Karmalichak STP (New) (37 MLD) & Saidpur STP (New) (60 MLD)).**
- Capacity Utilization of existing STPs: **Total - 30 MLD: (Beur STP (New) (10 MLD), Karmalichak STP (New) (10 MLD) & Saidpur STP (New) (10 MLD)). Sewage network is under construction with approx 95% physical progress.**
- MLD of sewage being treated through Alternate technology: **Till not started after rainy season.**
- Gap in Treatment Capacity in MLD: **1100 – 30 treatment through STPs = 1070 MLD.**
- No. of Operational STPs: **07. (On trial – 04)**
- No. of Complying STPs: **03.**
- No. of Non-complying STPs: **00.**
- **06 projects have been completed with more than 90% work.**

Details of each existing STP in the State

No.	Location	Geo-Location	Installed STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
1	Beur STP (New)	25.574714 85.097250	43 MLD	10 MLD	Operational	Yes
2	Karmalichak STP(New)	25.572441 85.232034	37 MLD	10 MLD	Operational	Yes
3	Saidpur STP(New)	25.611506 85.164618	60 MLD	10 MLD	Operational	Yes
4	Phari STP	On Trial				
5	Sultanganj I&D and STP	On Trial				
6	Barh I&D and STP	On Trial				
7	Sonepur I&D and STP	On Trial				

Details of Completed Project

1	Phari Zone IV A Sewage Network	Completed in November 2021
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Ongoing Projects: -

Sl. No.	Project Name	Physical Progress till 06 January, 2022 (%)	Physical Progress till 04 February 2022 (%)	Physical Progress till 04 March 2022 (%)	Physical Progress till 04 April 2022 (%)	Physical Progress till 06 June 2022 (%)	Physical Progress till 06 July 2022 (%)	Physical Progress till 06 August 2022 (%)	Physical Progress till 05 September 2022 (%)	Physical Progress till 04 November 2022 (%)	Incremental Physical Progress in last 02 month (%)	Revised Timeline (as per BUIDCo)
1.	Beur Sewage Network	88.1	96	96.8	97.6	99.1	99.3	99.3	99.7	99.98	0.28	31.10.2022
2.	Saidpur Sewage Network	86.31	89.5	91.7	94.6	98.2	98.5	98.5	99.1	99.6	0.5	31.10.2022

Sl. No.	Project Name	Physical Progress till 06 January, 2022 (%)	Physical Progress till 04 February 2022 (%)	Physical Progress till 04 March 2022 (%)	Physical Progress till 04 April 2022 (%)	Physical Progress till 06 June 2022 (%)	Physical Progress till 06 July 2022 (%)	Physical Progress till 06 August 2022 (%)	Physical Progress till 05 September 2022 (%)	Physical Progress till 04 November 2022 (%)	Incremental Physical Progress in last 02 month (%)	Revised Timeline (as per BUIDCo)
3.	Karmali Chak Sewage Network	84.8	86.52	87.23	89.03	91.22	93.20	94.04	94.75	95.63	0.88	31.03.2022
4.	Phari Zone V Sewage Network	60.36	63.93	75.72	80.44	90.92	92.99	94.03	95.23	95.6	0.37	31.10.2022
5.	Naughachia I&D and STP	92.5	92.5	94.01	95.8	97.12	99.02	99.32	99.7	99.80	0.1	30.09.2022
6.	Mokama I&D and STP	88.5	89	89	89.5	90.5	91	91	91	91.0	No physical progress	30.09.2022
7.	Baktiarpur I&D and STP	38.5	42.55	42.55	57.5	68.5	71.5	71.95	77.5	84.0	6.5	31.10.2022
8.	Maner I&D and STP	3	17.5	17.5	30.14	35.15	38.85	39.85	41.3	41.78	0.48	--
9.	Digha Zone STP & Sewer Network	4.6	5.10	6.26	6.85	8.77	9.13	10.35	10.53	11.77	1.24	30.04.2023
10.	Kankarbagh Zone STP & Sewer Network	1.8	--	--	3.54	3.54	4.75	7.69	7.69	7.69	No physical progress	30.04.2023
11.	Begusarai STP & STP Network	46	46.5	47.5	49.3	54.2	58.8	62.2	65.8	67.88	2.08	31.03.2023
12.	Chhapra I&D and STP	69	71	73	74.3	76.5	78	80.2	83.2	89.80	6.66	16.11.2022
13.	Hajipur STP & STP Network	12.7	24.13	32.98	42.5	58.79	62.99	64	67.35	68.90	1.55	02.07.2023
14.	Fatua I&D and	--	--	--	--	--	--	--	--	2.20	2.2	23.11.2022

Sl. No.	Project Name	Physical Progress till 06 January, 2022 (%)	Physical Progress till 04 February 2022 (%)	Physical Progress till 04 March 2022 (%)	Physical Progress till 04 April 2022 (%)	Physical Progress till 06 June 2022 (%)	Physical Progress till 06 July 2022 (%)	Physical Progress till 06 August 2022 (%)	Physical Progress till 05 September 2022 (%)	Physical Progress till 04 November 2022 (%)	Incremental Physical Progress in last 02 month (%)	Revised Timeline (as per BUIDCo)
	STP											
15.	Danapur I&D and STP	10	17.4	20.22	22.25	52.7	54.40	58	60	63.5	3.5	23.11.2022
16.	Phoolwarisarif I&D and STP	--	--	--	--	15.7	17	35	35	51.32	16.32	23.11.2022
17.	Bhagalpur I&D and STP	--	--	--	--	--	--	4.51	4.58	4.58	No physical progress	06.11.2023
18.	Munger I&D and STP	5	9	19	21	27	30.80	33.15	39.15	45.15	6.0	17.10.2023

Tendered Projects

Sl. No.	Project Name	Progress
1.	Barahiya I&D and STP	NIT has been floated on 28.06.2021. Last date to receive the Bid was 04.08.2021.
2.	Kahalgaoon I&D and STP	Financial Bid was opened on 01.06.2021. A complaint has been received against L1. Decision was to be take shortly.
3.	Buxar Sewerage Treatment Plant & Sewer Network	Letter sent to NMCG on 08.10.2021 for obtaining NOC on TBER.
4.	I&D Works and STP Dehri	AA&ES Sanctioned on 01.12.2021. Bid document has been sent to NMCG for approval.

Details of under construction STPs in the State: Attached as Annexure-1.

Details of proposed STPs in the State

DPR status of remaining towns on main stem of River Ganga:-

Sl. No.	Name of River	MLD	Name of the Project	Remarks
1	Ganga River	5.41	FSTP Dighwara	DPR under the examination of Third Party Appraisal (TPA) by IIT Roorkee authorized by NMCG.
2		4.7	FSTP Manihari	DPR under the examination of Third Party Appraisal (TPA) by IIT Roorkee authorized by NMCG.
3		4.5	FSTP Teghara	DPR under the examination of Third Party Appraisal (TPA) by IIT Roorkee authorized by NMCG.
4		14	FSTP Jamalpur	As per concern Executive Engineer land for STP is not available. They are requesting to district administration to provide the land so that consultant can provide DPR accordingly. A railway land is identified which is suitable for STP construction.

DPR preparation for the selected 20 towns under tributaries of River Ganga:-

Sl. No.	Name of River	MLD	Name of the Project	Remarks
1	Koshi River	11.9	I&D Works and STP Supaul	DPR under the examination of Third Party Appraisal (TPA) by IIT Patna authorized by NMCG.
2		6.42	I&D Works and STP Saharsha	DPR under the examination of Third Party Appraisal (TPA) by IIT Patna authorized by NMCG.
3		1.07	I&D Works and STP Madhepura	DPR under the examination of Third Party Appraisal (TPA) by IIT Patna authorized by NMCG.

4	Burhi Gandak River	89.08	I&D Works and STP Motihari	DPR under the examination of Third Party Appraisal (TPA) by IIT Patna authorized by NMCG.
5		3.5	I&D Works and STP Samastipur	NMCG observations pending with BUIDCo.
6	Sone River	3.5	I&D Works and STP Arwal	Revised DPR submitted to SMCG & NMCG on 10.11.2020.
7		17.88	I&D Works and STP Daud Nagar	DPR under the examination of Third Party Appraisal (TPA) by IIT Roorkee authorized by NMCG.
8	Gandak River	11	I&D Works and STP Gopalganj	As decided by TBEC, letter sent to Concern Executive Engineer on 10.01.2022 to update the earlier DPR on current situation.
9		6.5	I&D Works and STP Bagaha	DPR prepared by consultant and submitted to BUIDCo.
10	Kiul River	24.08	I&D Works and STP Lakhisarai	DPR under the examination of Third Party Appraisal (TPA) by IIT Roorkee authorized by NMCG.
11		8.03	I&D Works and STP Jammui	DPR under the examination of Third Party Appraisal (TPA) by IIT Patna authorized by NMCG.
12	Baghmata River	60.01	I&D Works and STP Darbhanga	DPR has been submitted to NMCG on 04.07.2022
13	Mahananda	102.22	I&D Works and STP Kishanganj	DPR prepared by consultant and

	River			submitted to BUIDCo.
14	Gangi River	85	Ara I&D and STP	NIT published on 18.05.2022 for preparation of DPR. Two bidder participated in the bid. Evaluation is in progress.
15	Gandhak River	28	Betia I&D and STP	NIT published on 18.05.2022 for preparation of DPR. Two bidder participated in the bid. Evaluation is in progress.
16	Falgu River	126	Gaya sewerage Network and STP	NIT published on 18.05.2022 for preparation of DPR. Two bidder participated in the bid. Financial Bid submitted to NMCG for approval. LOA issued on 16.07.2022 on conditional basis.
17	Sirsa	14.89	I&D Works and STP Raxaul	DPR submitted by NEERI to BUIDCo.
18	Sikrahan	14.591	I&D Works and STP Narkatiyaganj	DPR under the examination of Third Party Appraisal (TPA) by IIT Patna authorized by NMCG.
19	Parmar	5.56	I&D Works and STP Jogbani	As per discussion with concern Executive Engineer, there is no land available for STP construction.
20	Ramrekha	27.885	I&D Works and STP Ramnagar (Harinagar)	DPR under the examination of Third Party Appraisal (TPA) by IIT Patna authorized by NMCG.

Sl. No.	Name of the Project	Status
1.	Khagaria I&D and STP	Revise DPR for FSSM, as per NMCG direction.

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
Attached as Annexure-1.				

III. **Details of Industrial Pollution:**

- No. of industries in the State: **11,584. (This includes brick kiln, Sand mining, Building Projects and other industries having consent from BSPCB.)**
- No. of water polluting industries in the State: **250 (The Board has identified a total number of 250 water polluting industries including 78 Grossly Polluting Industries (GPIs)).**
- Quantity of effluent generated from the industries in MLD: **35 MLD approx.**
- Quantity of Hazardous Sludge generated from the Industries in TPA: **7716 MT (Incinerable: 79 MT, Land fillable 181 MT, Recyclable including other waste (Iron Scraps): 6681 MT, Co-processing in cement industries: 773 MT).**
- Number of industrial units having ETPs: **229**
- Number of industrial units connected to CETP: **Nil.**
- Number and total capacity of ETPs (details of existing/under construction/proposed): **96 MLD approx.**
- Compliance status of the ETPs: **224.**
- Number and total capacity of CETPs (details of existing/ under construction/ proposed): **01 CETP proposed at Hajipur Industrial Area Vaishali.**
- Status of compliance and operation of the CETPs: **Not applicable at present.**

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

IV. **Solid Waste Management: Details attached as Annexure - 2**

- Total number of Urban Local Bodies and their Population: **142 ULBs & Population: 1.09 Cores.**
- Current Municipal Solid Waste Generation:
- Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), bimethanation, MRF etc:
- Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%):
- No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction):
- Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source:
- Details of MSW treatment facilities proposed and under construction (no., capacity, and technology):
- No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.:
- No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers:
- No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers: **125 Drains.**

Status of ULB wise Management of Solid Waste

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

V. **Bio-medical Waste Management:**

- Total Bio-medical waste generation: **20548.81 Kg/day.**
- No. of Hospitals and Health Care Facilities: **26478.**
- Status of Treatment Facility/ CBMWTF: **04 CBWTF (33600 Kg/day)**

VI. **Hazardous Waste Management:**

- Total Hazardous Waste generation: **7716 MTA (Incinerable: 79 MT, Land fillable 181 MT, Recyclable including other waste(Iron Scraps)): 6681 MTA**
- No. of Industries generating Hazardous waste: **191**
- Treatment Capacity of all TSDFs: **Nil**
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated:
- Details of on-going or proposed TSDF: **M/s Ramky Environ Engineers Ltd., at Mahui, Dist-Bhojpur is in process of installation of TSDF.**

VII. **Plastic Waste Management: Attached as Annexure-3.**

- Total Plastic Waste generation:
- Treatment/ Measures adopted for reduction or management of plastic waste:
- Details of Alternate Treatment Technology being adopted by the State/UT: **In-situ treatment through bio-remediation of drains joining Ganga and other polluted rivers for 89 drains. Work stopped after rainy season.**

VIII. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment:

- IX. Details of Nodal Officer appointed by Chief Secretary in the State/UT: **Principal secretary, Urban Development & Housing Department,GoB has been appointed as Nodal officer, by the Chief Secretary, Bihar for the matter of Hon'ble NGT OA no 673/2018 as per the Notification of Deptt, of Env., Forest & Climate Change, GoB. Paryavaran/Van(mu).28/2019-140 (E) dated 17.02.2021.**
- X. Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT: Regular review meetings are conducted under the chairmanship of the Chief Secretary, Bihar to ensure the compliances of orders of the Hon'ble NGT on different environmental issues including orders in O.A. No. 200/2014 & others.

Meeting held on 02/03/2022 under the chairmanship of the Chief Secretary Bihar to review compliances of the directions of the Hon'ble NGT in different OA no. 07th meeting held on 20/09/2022 under the chairmanship of the Principle Secretary DoEF&CC, GoB. to review compliances of the directions of the Hon'ble NGT.

- XI. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river; **Ground water quality report attached as Annexure-4 (Maximum parameter is under prescribe standard except Iron), Details of drains along the river Ganga attached as Annexure-5 and latest water quality report of polluted river attached as Annexure-6.**
- XII. Ground water regulation: Government of Bihar has initiated drives for recharging of ground water by providing roof top rain water harvesting structures and construction of soak pits/recharge pits near public well, hand pump, tube well and other water bodies under Jal-Jeevan-Hariyali Abhiyan.

Bihar Govt. has also notified The Bihar Ground Water (Regulation & Control of Development & Management) Act, 2006 for regulating and management of ground water. The authority may impose stipulated conditions for providing roof top rain water harvesting structures in the building plan in an area of the 1000 Sqm or more while according approval for construction.

- XIII. Good irrigation practices being adopted by the State: **In order to enhance water use efficiency in water intensive crop, assistance is given for promotion of water saving tools/ technologies like sprinkler and drip irrigation, creation of farm ponds, efficient delivery and distribution system and adoption of agronomic practices like alternate row/ furrow irrigation, mulching, etc. Pradhan Mantri Krishi Sinchai Yojana also focuses on creating protective irrigation by harnessing rain water at micro level through 'Jal Sanchay' and 'Jal Sinchan' to insure 'Per Drop More Crop'. The state is implementing Pradhan Mantri Krishi Sinchai Yojana (Per Drop More Crop) for development of Micro Irrigation in Bihar during the year 2018-19 with the cost of Rs 133.00 Crore by providing 90% subsidy to all categories of Farmers under Drip Irrigation and 75% Subsidy to all categories of farmers under Sprinkler Irrigation. State Govt. is also implementing community Tube well Scheme for benefit of small and marginal farmers with 100 % subsidy to provide water source for installation of Drip Irrigation System under the State Plan. As Horticultural and Commercial crops like Sugarcane require heavy water during summer season, Drip Irrigation is highly beneficial because about 60% of conventional Irrigation water is saved under this system. The productivity of the crops under this system increases by about 25-30 % while cost of production decreases 30-35% in comparison to Conventional Irrigation System. Details attached as Annexure-7.**

XIV. Rain Water Harvesting: **To ensure initiatives of drives for recharging of ground water by providing roof top rain water harvesting structures and construction of soak pits/recharge pits near public well, hand pump, tubewell and other water bodies under Jal-Jeevan-Hariyali Abhiyan.**

Imposition of condition for providing roof top rain water harvesting structures in the building plan in an area of the 1000 Sqm or more while according approval for construction.

XV. Demarcation of Floodplain and removal of illegal encroachments: **Considering densely populated northern plain terrain and mostly embanked river, the issue of demarcation of flood plain zone/buffer zone is not applicable in case of Bihar. In this connection a report on scientific study of flood plain zoning for the State is submitted by Water Resource Department, GoB., to National Mission for Clean Ganga vide their letter no. 296, dated 02.08.2021. As directed by the Hon'ble NGT in its order dated 13.08.2020 in the matter of O.A. no. 200/2014 is to look into by a joint committee of NMCG, MoJS and CPCB.**

XVI. Maintaining minimum e-flow of river: **Water Resource Department has taken steps for installation of new gauge stations and making arrangements for the discharge measurement throughout the year. Details attached as Annexure-8.**

XVII. Plantation activities along the rivers: **A team of Department of Environment, Forest & Climate Change, Govt. of Bihar official visited Yamuna bio-diversity park in Delhi and exploring its replication in the State.**

XVIII. Development of Biodiversity Park: **A team of Department of Environment, Forest & Climate Change, Govt. of Bihar official visited Yamuna bio-diversity park in Delhi and exploring its replication in the State.**

XIX. Reuse of Treated Water: **Work is under process.**

XX. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards: **Harbaura river (Sikrahana) is selected as Model river.**

XXI. Status of Preparation of Action Plan by the 13 Coastal States: **Not applicable.**

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

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

Status of Complete/Ongoing/Tendered Project of Schemes under Namami Gange program.

fnukd & 04-11-2022 rd

Sr. No.	Status	Location	Project Name	STP Capacity (in MLD)	Sewer Network (in km.)	Sanctioned Cost (Crore) Govt/Govt	Date of Sanction/ Date of AA&ES issue Govt/Govt	Date of NIT	Contract Price	Signing of Contract Contractors Name/ Date	Date of Completion (As per Agreement/ Projected by BUIDCo)	House Connection	During this month	Total Progress
1	Completed Project	Beur	Sewerage Treatment Plant	43	—	<u>68.16</u> 74.29	<u>15-07-14</u> 05-01-15	7 Aug 15	<u>77.85 Cr.</u> (C Cost- 47.25 Cr. and O&M Cost- 30.59 Cr.)	<u>Voltas & GAA (JV)</u> 31-03-17	<u>05/10/2019</u> <u>31.12.2019</u>	—	O&M work in progress.	Data October 2022 :- Inlet flow -16.75 MLD Outlet flow - 16.50 MLD Outlet BOD - 7 mg/l Outlet COD - 24 mg/l Physical Progress - 100%, Financial Progress - (60.56 Cr.)
2		Saidpur	Sewerage Treatment Plant & Adjoining Network	60	55.10	<u>184.93</u> 201.57	<u>01-04-15</u> 26-11-14	21 Aug 15	<u>188.186 Cr.</u> (C Cost- 142.34 Cr. and O&M Cost- 45.84 Cr.)	<u>UEM & EMS (JV)</u> 30-03-17	<u>05-04-20</u> <u>(EOT granted till Jan 2021)</u>	<u>21360</u> 21360	Completed. O&M under progres-	Design Built Completed of Sewerage Network 55 Km and STP - 60 MLD completed. STP O&M under progres Physical Progress - 100 %, Financial Progress:- (172.86 Cr.)
3		Karmalichak	Sewerage Treatment Plant	37	—	<u>77.04</u> 83.97	<u>15-07-14</u> 05-01-15	7 Aug 15	<u>73.61 Cr.</u> (C Cost- 44.11 Cr. and O&M Cost- 29.50 Cr.)	<u>Voltas & GAA(JV)</u> 31-03-17	<u>05/10/2019</u> 31/03/2021	—	O&M work in progress. Retaining Wall - Sand filling and Brick soling work are in progress.	Inlet Data October :- Inlet flow - 27.89 MLD Outlet flow - 27.69 MLD Outlet BOD - 6.11 mg/l Outlet COD - 39.45 mg/l Physical Progress-100%, Financial Progress- (57.71 Cr.)
4		Pahari-Zone IV A (S)	Sewerage Zone IV A (South) of Pahari, Patna	—	87.69	184.86	22/05/2017	1 Sep 17	<u>167.84Cr.</u> (C Cost- 144.86 Cr. And O&M- 22.94 Cr.)	<u>EMS Infra & Technocraft Ltd.11/05/2018</u>	<u>29.05.21</u> <u>(EOT granted till Oct 2021)</u>	<u>21300</u> 21300	—	Completed. Physical Progress - 100% , Financial Progress - (204.22 Cr.)
5		Pahari STP	Sewerage Treatment Plant	60	—	191.62	19/05/2017	1 Sep 17	<u>147.65 Cr.</u> (C Cost- 84.20 Cr. And O&M- 63.44 Cr.)	<u>VA Tech. Wabad.</u> 09/05/2018	<u>09.11.20</u> (EOT requested till Oct 2022)	—	Completed	Completed Physical Progress - 100%, Financial Progress - (101.72 Cr.)
6		Sultanganj	I&D works and STP at Sultanganj	10	—	60.22	08-01-2017	30-12-17	<u>63.51 Cr.</u> (C Cost- 35.066 Cr. And O&M- 28.443 Cr.)	<u>V.C.Project.</u> <u>14/9/2018</u>	<u>13.02.20</u> <u>(EOT granted till 15 Aug. 2021. Again EOT to be requested)</u>	—	Trial Run Completed, Commissioning under progress. (HT Line in STP Completed in SPS under progress, Scada Completed, Installation of Lab under progress.)	Completed Physical Progress - 100% Financial Progress - (29.67 Cr.)
7	Ongoing Project	Barh	I&D works and STP at Barh	11	—	58.27	08-10-2017	22-06-18	<u>53.90 Cr.</u> (C Cost- 26.57 Cr. And O&M- 27.33 Cr.)	<u>UEM India</u> <u>22/10/2018</u>	<u>21.04.20</u> EOT to be requested.	—	Completed	Completed. Physical Progress - 99.78 % Financial Progress - (36.24 Cr.)
8		Sonepur	I&D and STP at Sonepur	3.5	3.6	30.93	14/09/2018	11-19	<u>29.35 Cr.</u> (C Cost- 14.20 Cr. And O&M- 15.16 Cr.)	<u>S.G.Const & S.N.Enviro.</u> <u>04/06/2019</u>	<u>15.02.21</u> (EOT granted till Aug'22)	—	Completed.	. Physical Progress - 100 % Financial Progress - (20.97 Cr.)
1		Saidpur	Sewerage Network	—	172.50	<u>268.63</u> 426.71	<u>01-04-15</u> 24-01-17	27 Aug 15	<u>431.21 Cr.</u> (C Cost- 399.55 Cr. And O&M Cost- 31.66 Cr.)	<u>L&T</u> 30-01-18	<u>29.01.21</u> (EOT requested till Oct 2022)	<u>6724</u> 28118	Pipe Laying - 370 m Tapping of Existing Network - 4.06 Km Manhole - 7 Nos Property Chamber - 43 Nos Road Restoration - 500 m House Connection- 132 Nos Ambedkar Colony SPS completed & commissioned. Bazar Samiti SPS completed & commissioned. Exhibition Road SPS completed & commissioned.	Pipe Laying - 117.21 km Tapping of Existing Network - 19.76 Km Manhole - 4180 Nos Property Chamber - 2807 Nos Road Restoration - 123.03 Km (including Trenchless & DI pipe) DI Rising Main - 6 Km House Connection- 6724 Nos Ambedkar Colony SPS completed & commissioned. Bazar Samiti SPS completed & commissioned. Exhibition Road SPS completed & commissioned. Physical Progress - 99.60%, Financial Progress - (462.92 Cr.)
2		Beur	Sewerage Network	—	179.74	<u>225.77</u> 394.89	<u>31-12-14</u> 24-01-17	21 Aug 15	<u>398.40 Cr.</u> (C cost : 371.48 Cr and O &M Cost : 26.92 Cr)	<u>L&T</u> 30-03-17	<u>5.04.20</u> (EOT requested till Oct 2022)	<u>8572</u> 15000	Sewerage Network completed. Manhole completed - 9 nos. Road Restoration completed. House Connection Pit completed- 41 nos House Hold connection completed - 80 nos Shifting and laying of 3.6 KM of underground electrical cable- 0.0	Sewerage Network completed - 158 Km Manhole completed - 6395 nos. Road Restoration completed - 158 Km House Connection Pit completed- 8347 nos House Hold connection completed - 8572 nos Shifting and laying of 3.6 KM of underground electrical cable- 2.7 Physical Progress - 99.88 %, Financial Progress - (343.48 Cr.)
3		Karmalichak	Sewerage Network	—	96.54	<u>277.42</u>	16/03/2017	9 May 17	<u>253.98 Cr.</u> (C Cost- 241.02 Cr. And O&M- 12.96 Cr.)	<u>VA Tech. Wabad.</u> 11/05/2018	<u>20.05.21</u> (EOT requested till Oct 2022)	<u>31258</u> 38168	Sewer Network - 0.355Km Manhole - 24 Nos House Connection Pit - 132 Nos (Total 78.643 Km road restored in all respect and 11.62 Km comes in trenchless method) SPS - 11th & Final lift of Wet Well completed	Sewer Network - 93.70Km Manhole - 3481 nos Direct connection / House connection pit - 26060 nos Road Restoration 90.263 Km (Total 78.643 Km road restored in all respect and 11.62 Km comes in trenchless method) House Connection 31258 Nos SPS 01 No - wet well 78% completed. Concreting of 11th (Final) Lift completed. Physical Progress - 95.63%, Financial Progress - (328.54 Cr.)
4		Pahari Zone- V	Sewerage scheme at Pahari Zone V, Patna	—	115.93	356.37	22/05/2017	1 Sep 17	<u>364.90Cr.</u> (C Cost- 318.18 Cr. And O&M- 46.72 Cr.)	<u>Sapoor Pallonil</u> <u>25/04/2018</u>	<u>24.04.21</u> (EOT requested till Oct 2022)	<u>13350</u> 22855	1.Sewer Network – 0.237 Km. 2.Tapping Work - 0.00 Km 3.Manhole- 19 Nos. 4.Property Chamber- 72 Nos. 5.Road Restoration- 1.29 Km. 6.House Connection- 106 Nos. 7.SPS-Civil Work Under Progress	1.Sewer Network – 100.052 Km. 2.Tapping Work - 2.733 Km 3.Manhole- 2868 Nos. 4.Property Chamber- 11264 Nos. 5.Road Restoration-99.92 Km. 6.House Connection- 13350 Nos. 7.SPS-Civil Work Under Progress Physical Progress - 95.69%, Financial Progress - (254.75 Cr.)

Sr. No.	Status	Location	Project Name	STP Capacity (in MLD)	Sewer Network (in km.)	Sanctioned Cost (Crore) Coli/GoB	Date of Sanction/ Date of AA&ES issue Coli/GoB	Date of NIT	Contract Price	Signing of Contract Contractors Name/ Date	Date of Completion (As per Agreement/ Projected by BUIDCo)	House Connection	During this month	Total Progress
5		Naugachhia	I&D works and STP at Naugachia	9	—	60.79	08-01-2017	22-06-18	61.89 Cr. (C Cost- 35.01 Cr. And O&M- 26.38 Cr.)	UEM India. 22/10/2018	21.04.20 30.09.22		staff qtr.-7% Boundry wall-4% cable tray-20% Internal external lighting-5% Finishing works-3% Finishing works-5% RCC above GL-15% Boundry wall-5% Painting Finishing works-5% Panel Room-7.5% Transformer yard-0% staff qtr.-8% Boundry wall-2.5% Rising Main-16540 meter Pipe laying =33 meter Road resto.- 338 meter	1) MPS : NA, 2)Grit Chamber : 100% , 3) SBR & CCT : 100% , 4) Chlorination Building : 100%, 5) Sludge Dewatering Bulig : 100% , 6) Admin cum Lab: 100% , 7) Airblower:100%, 8) MCC : 100%, 9) Staff Quarter: 100% , Installation of E&M Work : , 1) Grit Mechanish: 100%, 2)Air Blower with Piping : 100%, 3) MCC & Panel : 100%, 4) Transformer : 100%, 5) WAS Pre-Thickner Pumps :100% , 6)Poly dosing pumps:100%, 7) Chlorine Leak Blowers :100%, 8) Cable Tray :100%, 9) Grit Mechanish : 100%, 2) Sluice Gates G.chamber :100%, 3) Chlorination system:100%, 4) Sludge dewatering Machine:100%, 5) Cable termination : 100%, 1) Grit Mechanism system : 100%, 2) Diffuser with Air Blowing : 100%, 3) Filtrate transfer pump : 100% , SPS- 1 , Civil works, Wet well,Inlet chamber-100%, DG Room-100%, Panel Room-100%, Transformer yard-100%, staff qtr.-100%, Boundry wall-100%, E&M Works-, Procurement-100%, HT Panel -95% , DG Installation-100%, Transformer yard-100%, MCC Panel-100%, Screens-100%, sluice gate-100%, Monorail-100%, cable tray-100%, Internal external lighting-100%, SPS- 5, Wet well,Inlet chamber-100%, DG Room-100%, Panel Room-100%, Transformer yard-100%, Staff qtr.-88%, Boundry wall-100%, E&M Works-, Procurement-100%, Transformer yard-95%, MCC Panel-100%, Screens-100%, Monorail-100%, Pumps-100%, SPS- 6, Wet well,Inlet chamber-100%, DG Room-100.0%, Panel Room-100%, Transformer yard-100%, Staff qtr.-100.0%, Boundry wall-100%, E&M Works-, Procurement-100%, HT Panel -100% , DG Installation-100%, Transformer yard-100%, MCC Panel-100%, Screens-100%, sluice gate-100%, Monorail-100%, HT Panel -100% , DG Installation-100%, SPS- 2, Wet well,Inlet chamber-100%, Boundry wall-100%, MCC Panel-100%, DG Room-100%, HTTransformer-100%, Staff quarter-80%, E&M Work - , Screens-100%, Sluice gate-100%, Submersible pump-90%, Monorail-100%, DG Installation-100%, MCC Panel-100%, Transformer - 95%, SPS- 4, Wet well-100%, Inlet chamber-100%, DG Room-100%, MCC Panel-100%, HT(Transformer-98%, E&M Work -70%(Procurement), Submersible pump-100%, Screens-100%, Sluice gate-100%, DG Installation-100%, MCC Panel-100%, Transformer -95%, Rising Main-16540 meter, Rising Main-15289.5 meter, Trenchless pipe crossing -102 meter, Road restoration-15229 meter Physical Progress - 99.80 % Financial Progress - (31.94 Cr.)
6	Ongoing Project	Mokama	I&D works and STP at Mokameh	8	—	53.81/ 60.91(Rvd)	28/07/2017	30-12-17	59.17 Cr. (C Cost- 27.765 Cr. And O&M- 21.407 Cr.)	EMS Singh. 15/06/2019	15.12.20 30.09.22		Landscaping & Plantation work: In progress , Supply of Electromechanical equip., Installation of Electromechanical Equip, I&D Work:, IPS-1:, Supply of Electromechanical equip., IPS-2:, Supply of Electromechanical equip.	Design &Survey - complete,, SBR work: 100% complete& rest in progress., Admin block : 100% complete & rest in progres, Panel Room: 100% work complete & rest in progress., Boundary wall =100% complete , ,Road Work=85% complete & rest in progress, Chlorination Tank:100% complete & rest in progress , Sludge Holding Tank: 100% complete , Centrifuge Building: 100% complete & rest , Grit Chamber: 100% complete & rest in progress , MPS:Structural work complete & finishing work 100% complete , Air Blower Platform :100% complete , Landscaping & Plantation work: 95% complete, Guard Room: Structure work 100% complete, Supply of Electromechanical equip.=, i) Decanter System=2 Set, ii) Sewage Transfer Pump=9Nos, iii) RAS Pumps=2set, iv) SAS Pumps=2set, v) Diffuser=2Lot , vi) Chlorinator=1No, (vii) Mechanical coarse & fine screen, vii) Air Blower=3Nos,Centrifuge=2Nos, viii) MCC Panel=1Nos , ix) PLC Panel=1Nos , x) Cable Tray=1lot , xi) MS pipe=1lot , xii) Diffuser=2Lot , xiii) Online monitoring system 1set , XX) Centrifuge Feed Pump=02 Nos, (XXI) Sewage sludge pump=06 Nos for IPS, XXII) Solar panel street light , XXIII) HT Panel, Installation of Electromechanical Equip, i) Air Blower=100%, ii) MCC panel installed=100%: , iii) air blower pipes laying complete , i v) DG installation completes=100%, v)Diffuser pipeline installed=100%, vi) Cable tray framework erected 100% complete, vii)Pumps in Wetwell installed 100%, MPS to Grit ch pipeline complete, Cable laying=95% complete, PLC panel installed, Gate Valve=06 Nos installed, Mechanical coarse & fine screen installed, Motorised gate valve installed, Manual screen installed, All electric supply work at STP complete, Chlorinator sytem installed, Flowmeter installed, Solar panel street light installation complete, Testing of all electromechanical machinery complete, I&D Work:, Di pipe laying=5915M, 600mm dia Hume pipe laying=300 M, 300 mmdia hume pipe laying=485M, Manhole=35 Nos, IPS-1:, Staff Quarter: structural 95% complete, Boundary wall : 95% complete, PS: structural work 92% complete, Panel Room: structural work complete & finishing work in progress, Supply of Electromechanical equip.=, Pumps=3 Nos, Mechanical Screen=01 No, IPS-2:, Site development work: Filling work 90% complete, Staff Quarter: structural work complete & plaster work 100% complete, PS : structural work of Receiving chamber 100% complete and finishing work in progress, Boundary wall : 90% complete, RCC drain work=1295M complete, Manhole : 45Nos completed, Supply of Electromechanical equip.=, Pumps=3 Nos, Mechanical Screen=01 No Physical Progress-91 % Financial Progress : (35.24 Cr.)
7		Baktiyarpur	I&D and STP at Bakhtiyarpur	10	—	35.88	24/12/2018	19-01-2019	36.04 Cr. (C Cost- 22.65 Cr. And O&M- 13.40 Cr.)	S.G. Construction & S.N.Enviro 27/08/2019	26.08.20 (EOT requested till Oct 2022)		Chlorination Building - 85%. MPS & inlet chamber -0.50%. Sludge Holding Tank - 1.00% Grit Chamber 0.50% Airblower Shed 100% DG and Transformer 90% IPS1/Pumping station 0% IPS2/Pumping station 0% Sewer Network 0.000KM	Chlorination Building - 85%. MPS & inlet chamber - 98.50%. Sludge Holding Tank - 98.50%. Grit Chamber 99.00% Airblower Shed 100% DG and Transformer 90% IPS1/Pumping station 34.990% IPS2/Pumping station 34.985% Sewer Network 1.430KM" Physical Progress- 84% Financial Progress - (23.25 Cr.)
8		Maner	I&D and STP at Maner	6.5	3	41.36	01-02-2019	19-01-2019	40.83 Cr. (C Cost- 18.676 Cr. And O&M- 22.163 Cr.)	SIMA Labs Pvt. Ltd. & A.K Contractor. (L.V.) 27/09/2019	26.09.20 (EOTrequeste d till 02.08.2022)		1) Boundry wall-0.0% 2)Admin Building-0.10% 3)SBR tank-2.80% 4)CCT-18.40% 5)Sludge Holding Tank-9.90% 6)Chlorination Room-29.07% 7)Grit Chamer-10.50% 8)Fdn for DG & transformer- 0.10%	1) Boundry wall-95.50% 2)Admin Building-94.43% 3)SBR tank-90.50% 4)CCT-92.15% 5)Sludge Holding Tank-91.14% 6)Chlorination Room-90% 7)Grit Chamer-93.10 % 8)Fdn for DG & transformer- 93.60% Physical Progress- 41.78% Financial Progress - (12.31 Cr.)
9		Digha-Zone	STP & Sewer Network	100	288	824	08-11-2017	15-05-18	1187.86 Cr.	VA Tech Wabaq 30/12/2019	Apr-23		Netowk Progress: 1. Sewer Line Laid-1.942 Km 2. Manhole-298 Nos. 3. Road Restoration-0.030 Km 4. HSC-302 Rm 5. Flow test- 0 Km 6. SPS A: Inner Shuttering completed. Reinforcement for Well curbe under progress 7. SPS B: Reinforcement for 3rd lift of well stening under progress. STP Progress: All the major activities at hold as site is unapproachable due to nonmotorable road is submurged due to water flood.	Netowk Progress: 1. Sewer Line Laid-72.246 Km 2. Manhole-2333 Nos. 3. Road Restoration-61.496Km 4. HSC- 8908 Rm 5. Flow Test- 17.606 Km 6. SPS A: Reinforcement for well curbe under progress. 7. SPS B: Reinforcement for 3rd lift of well stening under progress STP Progress: 1. Engineering Drawing 6% achieved. 2. Civil Work-1.39% 3. procurent & erection- 6.41% 4. Achived 55 Nos. of Pile at Digestor A&B -Digha, work under progress. Physcial progress- 11.77% Financial Progress:- 147.68 Cr.

Sr. No.	Status	Location	Project Name	STP Capacity (in MLD)	Sewer Network (in Km.)	Sanctioned Cost (Crore) GoI/GoB	Date of Sanction/ Date of AA&ES issue GoI/GoB	Date of NIT	Contract Price	Signing of Contract Contractors Name/ Date	Date of Completion (As per Agreement/ Projected by BUIDCO)	House Connection	During this month	Total Progress
10		Kankarbagh-Zone	STP & Sewer Network	50	150	578.89	08-11-2017	15-05-18		VA Tech Wabac 30/12/2019	Apr-23		Netowk Progress: 1. Sewer line laid-0.021 Km 2. Manhole -118 Nos. 3. Road Restoration- 0.00Km 4. HSC- 0 Rm 5. Flow Test- 0 km STP Progress: 1. Piling work under progress at Aeration Tank, Secondary Digester, Secondary Clarifier, Inlet Chamber, Admin Building. 2. Total No. of Piling done this Month= 28 Nos.	Netowk Progress: 1. Sewer line laid-35.098 Km 2. Manhole -1156 Nos. 3. Road Restoration- 34.934 Km 4. HSC- 22 Rm 5. Flow test -13.495 km STP Progress: 1. Engineering Progress achieved 6% 2. Civil Work -3.55% 3. Procurement & Erection- 6.41% 4. Piling work under progress at Aeration Tank, Secondary Digester, Secondary Clarifier, Inlet Chamber, Admin Building 5. Total No. of Piling= 163 Nos. Physical progress- 6.63% Financial Progress:- 22.59 Cr.
11		Begusarai	STP & Sewer Network	17	98	230.06	03-05-2018	01-08-2018	236.85 Cr. (Capital Cost- 180.49 Cr. and O&M- 56.36 Cr.)	Toshiba (JV) 04.02.2020	Mar-23		1. Pipe Laying -0.771 Km 2. Manholes -27 Nos 3. Inspection Chamber -93 Nos 4. Road Restoration - 0.690 KM "This Month progress Civil works- MPS-RCC-0 SBR Tank-0% Grit chamber-10.2% Air Blower-0.0% Staff Qtr.-A-8.6% Staff Qtr.-B-8.8% HT Meter Room-RCC-5.0% CCT-PC/IRCC-0 cum.(0%) Admin Building-RCC-0 cum.(0%) Sludge sump-RCC-0.0%. Sludge Dewatering Building/Centrate sump- RCC-0.0% "IPS 1- No work due to water logging IPS-2A- Sinking -1.1 meter RCC-26 Cum.	1. Pipe Laying -78.651 Km 2. Manholes -3203 Nos 3. Inspection Chamber - 8969 Nos 4. Road Restoration - 76.636 KM Additional restoration done for old existing network" "Updated progress Civil works- MPS-26.2% SBR-86.94% Grit chamber-87.95% Air blower- 52.67% Staff qtr.-A- 63.23% Staff qtr.-B- 92.26 % HT meter room-72.23% Admin Bldg.- 24.22% CCT-PCC-40 cum.(7.66%) Sludge Sump-19.3% Sludge Dewatering Building/Centrate sump-44.07% E&M Works- Procurement-100% Installation-0% "6. IPS 1-41.16% IPS 2 - (23.50%) Wet well Wall completed up to 5th above cutting edge, 6th lift in progress and Sinking-6.05 meter from NGL E&M Works- Procurement-70% Installation-0% Rising Main Network completed = 0.980 KM" Physical Progress - 67.86 % Financial Progress = 163.34 Cr.
12	Ongoing Project	Chhapra	I&D and STP	32	18.95	236.15	30/11/2018	04-19	244.39 Cr. (Capital Cost- 119.90 Cr. and O&M- 124.49 Cr.)	Toshiba (JV) 04.02.2020	04.08.21 16.11.2022		1. Main Pumping Station - Screen Chamber work is in progress (2.00%), 2. Screen Chamber Slab Casting completed and Grit Chamber Slab casting Completed ,side wall casting work completed and walkway casting work is in progress- 2%, 3.Sludge Dewatering Building column work is in progress, Sludge Sump,Feed pump house and centrifuge building 1st slab and 2nd slab - completed and Brick & Plaster work in progress - 1.1%, 4.Substation, MCC Room - 0.5%, 5. SBR, Equalisation Tank & Was Sump Raft is completed, and wall 3rd,4th lift and walkway RCC work is in progress (1%), 6. CCT - 0.5%, 7.Air Blower Room - 1st floor slab work is completed and second floor column work ,staircase work completed and brick work in progress (0.5%), 8. Admin Cum Lab Building - 1%, 9. Staff Quarter brick work and plaster work is in progress (0.5%), 10 .IPS/Pumping station IPS 1 -(0.0%) , 11 .IPS/Pumping station - IPS 2/A -(0.0%) , 12 .IPS/Pumping station IPS 3 - (0.0%), 13 .IPS/Pumping station IPS4 - (0.0%), 14 .IPS/Pumping station IPS 5 - (40.90%), 14 .IPS/Pumping station IPS B - (0.0%) , 16. Network (I&D) - Laying work= 00 m (0.0%) manhole - 00(00%), 17. Road Restoration (I&D Network) - 0.0 km (0.0%), 18. Rising Main - 482 mtrs (14.60%) completed, 19. Road restoration (Rising main) - 0.125 Km, 20. Electro-Mechanical Equipments for STP - Pipe,decantor 2 nos.and blower erection work is in progress (1%), 21. Electro-Mechanical IPS-03 & IPS-04 work in progress - No Work	1. Main Pumping Station - Screen Chamber work is in progress- (81.60%), 2. Grit Chamber,Screen Chamber,Inlet Chamber,& Parshall Flume - Pile Cape and Column RCC and Tie Beam work and column completed and Screen Chamber Slab Casting completed and Grit Chamber Slab casting completed ,side wall casting completed and walkway casting work in progress (77.75%), 3.Sludge Dewatering Building column RCC work is in progress, Sludge Sump,feed pump house Completed and centrifuge building at slab and 2nd slab completed and Brick & Plaster work in progress - (62.40%), 4.Substation, MCC Room up to Raft and column work up to plinth beam is completed and FFL slab beam concreting and slab rcc work is completed and 2nd slab casting work in progress (66.35%), 5. SBR, Equalisation Tank & Was Sump Raft is completed and wall 3rd, 4th lift and walkway RCC work is in progress (84.5%), 6. CCT 5th lift Wall completed and Chlorination building 1st slab completed and column casting work completed, chlorairation building slab casting work completed, brick work and plaster work completed and channel work is in progress (88.16%), 7. Air Blower Room - 1st floor slab work is completed and second floor column work staircase work completed and brick work in progress (69.9%), 8. Admin Cum Lab Building - RCC Column work up to plinth level and FFL slab rcc work is completed and column work completed and 1st slab shuttering work is in progress (43.11%), 9. Staff Quarter brick work and plaster work completed and finishing work is in progress (92.76%), 10 .IPS/Pumping station IPS 1 -(0.1%) , 11 .IPS/Pumping station - IPS 2/A -(100%) , 12 .IPS/Pumping station - IPS 3 (100%), 13 .IPS/Pumping station -IPS4 - (100%) , 14 .IPS/Pumping station IPS 5 - (65.00%), 14 .IPS/Pumping station IPS B - (76.30%), 16. Network (I&D) - Pipe laying of 10247 mtrs and manhole 314 nos. is completed, Pipe Laying -(51.70%) and Manhole - (00%), 17. Road Restoration (I&D Network) - 8.597 KM (42.55%) road restoration is completed , 18. Rising Main - 1576 mtrs (47.75%) completed, 19. Road restoration (Rising main) - 0.844 Km, 20. Electro-Mechanical Equipments for STP - Pipe,Decantor 2nos and blower Erection work completed and piping work is in progress (29%), 21. Electro-Mechanical Equipments for MPS&IPS - (90.5%) IPS-03 & IPS-04 work in progress Physical Progress - 89.80 % Financial Progress - 85.36 Cr.
13		Fatua	I&D and STP	7	—	35.49	24/12/2018	06-19			23.11.2022		Fatua:-STP -7 MLD SPS and I&D - 9.80 %	Fatua:-STP -7 MLD SPS and I&D - 10 % Physical Progress - 2.20% Financial Progress - 1.22 Cr.
14		Danapur	I&D and STP	25	—	103.27	02-08-2019	06-19	176.19 Cr. 12.11.2020 (EOT requested till 22.11.2022)	Bhugan Infracon & Enviro Infra Eng. Ltd. (J.V) 23.11.2020	23.11.2022		7)Stilling chamber with screen channels- 10% 8)Grit chamber with Parshallflume- 10%	STP 1) Admin Building-90% 3) CCT-90% 5)Security Cabin-90% 7) Stilling chamber with screen channels-30% 8)Grit chamber with Parshallflume-35% 9)Sludge House-90% Physical Progress - 63.50% Financial Progress - 22.50 Cr.
15		Phulwarisarif	I&D and STP	7+6=13	—	46.25	02-08-2019	06-19			23.11.2022		3) Stilling chamber with screen channels- 13% 4) Grit chamber-13%	1) Admin Building- 20% 3) Stilling chamber with screen channels- 15% 5)Sludge Sump- 5% 7)Staff Quarter- 25% Physical Progress - 51.32% Financial Progress - 3.71 Cr.
16		Hajipur	STP & Sewer Network	22	138.9	305.19 Revised	03-05-2018	30-05-19	316.28 Cr.	03.07.2021	02.07.2023		"Sewerage Network(KM)-0.255 "Property Chamber(Nos)- 256 Road Restoration - 0.769 Staff Quarter, STP (CUM)- 2.2 Aeration Tank - 127.8 Grit Chamber (CUM)- 0 Secondary Clarifier (CUM)- 107.5 Security cabin (CUM)- 2 "MCC/Admin building (CUM)-0 "MPS(CUM)- 30 "Air Blower Shed (CUM)- 21.7	Sewerage Network - 101.055 Property Chamber (Nos) - 7973 Staff Quarter, STP (CUM)- 70.32 Aeration Tank - 3190.8 Grit Chamber (CUM)-0 Security cabin (CUM)- 13.38 "MCC/Admin building (CUM)- 15.61 Physical Progress-68.90 % Manhole - 5118 Road Restoration - 99.518 DG & Transformer, STP (CUM) - 36.79 MPS(CUM)- 117 Secondary Clarifier (CUM)-124.5 Air Blower Shed (CUM)-34.16 IPS (CUM)-0 Rising main (KM)-0 Financial Progress:- 162.98 cr.
17		Bhagalpur	I&D works and STP at Bhagalpur	45	57.54	254.13 413.26 [R]	10-12-2017	08-18	—	05.10.2021	06.11.2023 (excluding 3 months of trial run)		"1. Staff Qauter type-I, 12 % completed. 2. Security Cabin 65% completed. 3.Pile Work for FCR Tank : Total 81 Nos Completed As on 31.10.2022 4. Dismantling work, 92 % completed" Road Restoration work total 300M Completed as on 31.10.2022 "1. IPS-10 Rising Main 450MM Dia Total laying 1220.00 M completed As on date 31.10.2022. 2. IPS-09 Rising Main 350MM Dia Total laying 710.00 M completed as on date 31.10.2022. 3. Common Rising Main 500MM Dia , IPS-09 &10 Total 819.00 M Laying Completed as on 31.10.2022" Physical Progress-4.02% Financial Progress:- 0.07 cr.	1. Staff Qauter type-I, 12 % completed. 2. Security Cabin 65% completed. 3.Pile Work for FCR Tank : Total 81 Nos Completed As on 31.10.2022 4. Dismantling work, 92 % completed" Road Restoration work total 300M Completed as on 31.10.2022 "1. IPS-10 Rising Main 450MM Dia Total laying 1220.00 M completed As on date 31.10.2022. 2. IPS-09 Rising Main 350MM Dia Total laying 710.00 M completed as on date 31.10.2022. 3. Common Rising Main 500MM Dia , IPS-09 &10 Total 819.00 M Laying Completed as on 31.10.2022" Physical Progress-4.02% Financial Progress:- 0.07 cr.

Sr. No.	Status	Location	Project Name	STP Capacity (In MLD)	Sewer Network (In Km.)	Sanctioned Cost (Cr/ore) GoI/GoB	Date of Sanction/ Date of AA&ES issue GoI/GoB	Date of NIT	Contract Price	Signing of Contract Contractors Name/ Date	Date of Completion (As per Agreement/ Projected by BUIDCo)	House Connection	During this month	Total Progress
18	Ongoing Project	Munger	STP & Sewer Network	30	165.73	294.02	03-05-2018	—	—	04.10.2021	17.10.2023	802 15200	Pile casting work is completed , Raft RCC work is in progress in SBR Tank -(37.5%) work is in progress in CCT (17.99%) Admin Building Pile Casting work completed (15%) Pile cap pcc Admin Building & MCC Room (13.8%), Hydraulic design/ plan is being prepared considering same location of IPS. Still IPS land is not in our possession. Follow up with CO Sadar officials for resolving this issue., Cutting edge has been installed and curve portaion is casted and prepartion on 1st lift steining is in progress, Casting (3 lifts) and sinking work is in progress. Other structures desihndrawing fsubmitted to BUIDCo for review (10%)., Cutting edge has been installed and curve portaion is casted and prepartion on 1st lift steining is in progress (20%). Cutting edge has been installed as well as 2th lift wall of well has been casted. Work is in progres in same location.(10%) Prepartion of , Zone-1 IPS has been finalized from BUIDCo end. We are in process to submit hydraulic design / network plan of Zone-1 network. Other than Zone-01 , all 5 zones design/drawing approved from BUIDCo (HQ). With respect to approved design/ drawing , sewerage network laying work is being executed along with other components. Network laid length - 2.235 km , Work completed.	(a) Site establishment completed. (b) Labour hutment is in progress. (c) Other srtructures design/drawing vetting is in progress (Blower room , MPS civil design/drawing). (d) Raft casting work is in progress in SBR Tank -(69.5 %) (e) Pile cap pcc work is in progress in CCT. (17.99%) (f) Admin Building pile casting work is 100% completed (f) Admin Building & MCC Room (13.8%). Waiting for submission of hydraulic design/ drawing because IPS land is not in our possession. Continuous follow up with CO Sadar officials for resolving this issue., Cutting edge fixing and curv concreting work is completed (25 %). BEP and structural design approved from BUIDCo HQ. Casting (2 lifts) and sinking work is in progress. Other structures desihndrawing fsubmitted to BUIDCo for review (31%)., Cutting edge has been installed and curve portaion is casted and prepartion on 1st lift steining is in progress (20%). Casting (8 lifts completed) and sinking work is in progress. Other structures desihndrawing submitted to BUIDCo for review(55%)., Zone-1 IPS has been finalized from BUIDCo end. Now hydraulic design/drawing ready for submission but pending due to IPS-1 NOC from CO office. Other than Zone-01 , all 5 zones design/drawing approved from BUIDCo (HQ). With respect to approved design/ drawing , sewerage network laying work is being executed along with other components. Network laid length - 84.781km , Work completed., Work completed., Physical Progress-45.15%, Financial Progress -117.90 Cr.
1	Ongoing Projects	Barahiya	I&D and STP	6		27	30.12.2019	—	—	—			—	NMCG has been approved the revised estimate.NIT has been published. The last date of bid receiving is
2		Kahalgaoon	I&D and STP	6		25.77	30.12.2019	—	—	—			—	As per direction of NMCG,Estimate on current SOR was prepared for amount of Rs 67.70 Cr. and has been sent to NMCG for approval on 14.07.22. Some observations on estimate was given by NMCG on 20.10.2022.
3		Buxar	STP & Sewer Network	16	95	74.95 164.23(R)	31/12/2019	—	—	—			—	Letter has been sent to NMCG on 08.09.2022 for taking approval on revised estimate for amount of Rs. 237.83 cr. In revised estimate we have considered 105 km sewer network, 2 IPS and one no 24 MLD STP with considered the utilisation of the existing structure which was constructed in earlier contractor. The scope of network and STP capacity was increased due to extension of municipal area. (Previous work Physical Progress-39%, Financial progress- 17.29 Cr.)
4		Dehri	I&D and STP	21		63.89	01-12-2021	—	—	—				Financial bid open on 30.09.2022.Financial bid evaluation is under process.
5		Suupaul	I&D and STP	12.1		57.09	07.09.2022							Bid Document preparation and approval from State Govt. are under process.
6		Ramnagar	I&D and STP	9		56.97	12.09.2022							Bid Document has been sent to NMCG for approval and approval on from State Govt. are under process.
7		Narkatiyaganj	I&D and STP	7		49.39	17.10.2022							Bid Document preparation and approval from State Govt. are under process.
1	Ongoing Projects	Patna	River Front Development of Patna	20 Ghat	6.6 Km	243.27 336.73 (Rev'd)	19/6/2013 26/02/2019	—	254.52 Cr.	L&T 24.04.14	23-03-2019 / 20-05-20 (4th Extension)			Development of Ghats- 16 Ghats completed out of 20 Ghats. Building- 1. Audio Visual Theatre (AVT) Building at Barhawa Ghat completed. 2. ECO Center at Collectrate Ghat- completed. 3. Community Cum Cultural Center at Raja Ghat-completed. Crematorium at Gulvighat - completed. Start cremation by PMC Promenade - 5.5 km completed. All Ghats and Promenade with building and crematoria handed over to PMIC, Patna for Operation and Maintenance. Physical Progress-93%, Financial progress- (316.45 Cr.)
2		Muzaffarpur	Development works of Ghats	3 Ghats		10.77	03-07-2019				06.01.2022		Sidhi Ghat - 2 % Chandwara Ghat (Ashram Ghat) -0 % Sikandarpur Mukti Dham - 10 %	Sidhi Ghat - 87 % Chandwara Ghat (Ashram Ghat) - 97 % Sikandarpur Mukti Dham - 75 % Physical Progress-91%, Financial Progress - 7.50 Cr.
3		Gopalganj	Development works of Ghats	2 Ghats		8.25	03-07-2019			Baban Kr. Singh 04.01.20	03.06.2021		Completed. Physical Progress - 100 % Financial Progress - 6.62 Cr.	
1	Tender to be floated	Gopalganj	Development works of Crematoria	1 Crematoria		3.45	06-05-2020						—	No bids have found successful fourth time tender and it has been cancelled now. Retendering under process.
2		Manihari	RFD	1 Ghat		12	28.01.2022							AA&ES sanctioned on 28.01.2022
Total				679.5 MLD 26Ghat 1 Crematoria	1747.92 KM	5922.83 6279.73						103366 131601	—	कुल अद्यतन व्यय :- 3215.59 करोड़।
1. पटना गंगा नदी तट विकास परियोजना फेज-2 के तहत नौजर घाट से नूरपुर घाट के बीच 27 घाट, 06 कि.मी. प्रोमिनाड सहित अन्य संरचनाओं हेतु 218.00 करोड़ का प्रस्ताव।														
1	Total Sanctioned cost of Sewerage Project (for Patna) -						3237.69 (GOI) 3594.59 (GOB)		House Connection up to date on 31.10.22					
2	Total Sanctioned cost of Sewerage Project (Excluding Patna) -						2250.05 (GOI) 2250.05 (GOB)							
3	Grand Total (1+2)						5487.74 (GOI) 5844.64 (GOB)							
4	RFD Patna Project						243.27 Cr. 336.73 Cr. (Revised Cost)							
5	Other Ghats & Crematoria						22.47 Cr.							
6	Total Expenditure						3215.59 crore (31.10.2022)							

Annexure-1**Statement of facts on Solid Waste Management in Bihar as follow up action for the compliance of the provisions of the Solid Waste Management Rules, 2016.**

1. Patna, the state capital of Bihar is only a class-I city. There are 141 Urban Local Bodies (ULBs)/Municipal Authorities (Municipal Corporation-18, Municipal Council-76 and Nagar Panchayat-47) in Bihar.
2. State Policy and Solid Waste Management strategy for the State has been prepared by Urban Development & Housing Department, Govt. of Bihar.
3. State Level Advisory Body (SLAB) has been constituted under Solid Waste Management Rules, 2016 vide notification 135, dated-24.01.2018. The meeting of the aforesaid body was held on 30.01.2018, 30.07.2018, 08.03.2019, 19.03.2020, 19.02.2021, 11.06.2021 & 28.01.2022.
4. Model SWM Bye-laws, 2019 for ULBs of state has been notified.
5. State Level Advisory Committee under Chairmanship of Chief Secretary, Bihar has been constituted vide Environment, Forest & Climate Change Department, GoB notification no. 689(E), dated-12.06.2019 for effective enforcement of environmental laws, environmental conservation and pollution control programme & co-ordination among different departments/agencies.
6. There is no formal study for quantity of waste water generation. UD&HD, Govt. of Bihar has assessed solid waste generation in Bihar as hereunder considering 5 persons per household:-

Waste Generation in TPD & TPA					
Sl. No	Type of ULBs	Total no. of Households	Waste generation in Kg/capita/day	Waste Generation in TPD	Waste Generation in TPA
1.	Municipal Corporation	742797	0.3	2007	732555
2.	Patna Municipal Corporation	272936	0.5	1000	365000
3.	Municipal Council	935487	0.3	1654	603710
4.	Nagar Panchayat	262404	0.2	314	114610
Total		2213624		4975	1815875

7. Solid waste management status:

S.N.	Particulars	Status
a.	ULBs & Wards	141 ULBs (wards: 3398 including 13 railway wards)
b.	Door to door collection	141 ULBs
c.	Distribution of household bins (blue & green)	Remaining Partially
d.	Segregation of wastes at source	141 ULBs
e.	Solid waste possessing site indentified and available	Solid waste processing facilities (composting) are functional in 79 ULBs at 141 Plants/locations
f.	landfill site indentified and available/cleared	32 sites but, yet to be developed scientifically

8. Annual report in Form-IV has been received from all ULBs: 141.
9. The Patna Municipal Corporation has its own landfill site but, yet to be developed scientifically. No progress reported in the development of the facility so far.
10. Urban Development and Housing Department, Government of Bihar is proposing an Integrated Solid Waste Management Strategy for Collection, Transportation, scientific processing, and disposal of solid waste generated by the Urban Local Bodies. The strategy aligns with the Solid Waste Management Rules 2016, Plastic Waste Management (Amendment) Rules 2016, Construction and Demolition Waste Management Rules 2016, and NGT directions issued from time to time.
11. The proposed approach includes collection, transportation, and development of processing and disposal facilities. Solid Waste Processing and Disposal shall be managed through a combination of a centralized approach and a decentralized approach.
12. UD&HD has circulated guidelines to all ULBs for Solid Waste Management vide its letter no. 913, dated-09.04.2018.
13. Bihar State Pollution Control Board has been constantly pursuing the ULBs to set up municipal solid waste processing and disposal facility including landfills and for compliance of the provisions of the MSW (M&H) Rules, 2000 and Solid Waste Management Rules, 2016 since very beginning.

STATE-WISE STATUS OF IMPLEMENTATION OF PLASTIC WASTE MANAGEMENT RULES, 2016 FOR THE YEAR 2021 - 2022

ANNUAL REPORT

Bihar State Pollution Control Board, Patna, Bihar	(1)	Name of the SPCB or PCC	
Bihar Population Census -2011): 104099452 Bihar Urban Population (Census -2011): 11758016 Bihar Urban Population (as per ULB data): 12806664 Plastic Waste Generated as per Annual Report of ULBs- 53232.339 Tons Plastic Waste Generation Per Capita: 4.156 kg/year or 11.387 gram/day.	(2)	Estimated Plastic Waste generation Tons Per Annum (TPA)	
18	(3)	Plastic Units	No. of registered Plastic Manufacturing or Recycling (including multilayer, compostable) Units. (Rule – 9)
Nil		Compostable Plastic Units	
Nil		Multilayer Plastic Units	
A total no. of 102 producers, 64 Brand Owners and 6 recyclers have been identified. Out of which 162 Brand Owners are registered with CPCB & 21 with BSPCB and 18 recyclers are registered with State Board. Annexure - 1	(4)	No. of unregistered plastic manufacturing/ recycling units (in residential or unapproved areas)	
141 Local Bodies have submitted their Annual Reports. (Summary Report is enclosed herewith as Annexure – 2 & Detail Report as Annexure – 3 .	(5)	Details of Plastic Waste Management (PWM) e.g. Collection, Segregation, Disposal (Co-processing road construction etc.) (Rule –6) (Attach separate	
Plastic Carry Bag (irrespective of their thickness and size) banned completely in the state of Bihar vide Gazette Notification No. 943 dt. 24.10.2018 (Urban area) (Annexure- 4) and 1043 dt. 11.12.2018 (Rural Area)(Annexure – 5). Single Use Plastics (SUP) are also banned in the state of Bihar vide Gazette Notification No. 1012 dt. 11.12.2021. It will come in force from 01.07.2022(Annexure- 6).	(6)	Partial or complete ban on usages of Plastic Carry Bags (through Executive Order)(Attach copy of notification or executive order)	
Production of Carry Bag is completely banned in the state and hence not applicable Rule 11(a). However, the Board is in process of taking producers and Brand owners under the ambit of Rule 13 and 9. Accordingly they shall be imposed conditions for compliance of Rule 11(b).	(7)	Status of marking Labelling on carry bags (Rule 8) [Specify the number of units not complied or complied]	
This rule is omitted vide notification no. G.S.R. 285(E) dt. 27.03.2019	(8)	Explicit Pricing of carry bags (Rules -15)	
State Level Advisory Committee constituted vide notification no. 1586 dt. 05.07.2018. A copy is attached herewith as Annexure – 7 . The 6 th Meeting of SLAC was held on 28.01.2022 (Annexure – 8). The State Level Special Task Force Notified by Notification No.- 816 dt. 27.09.2021, Annexure – 9	(9)	Details of the meeting of State Level Advisory Committee (SLAC) along with its recommendation on Implementation (Rule – 16)	
Proposed direction issued to violators – Recyclers – 6; Producers – 102	(10)	No. of violation and action taken on non-compliance of provisions of these Rules	
Total Urban Municipal Authorities 141 (Municipal Corporations-16; Municipal Council – 73; Nagar Panchayat – 52)	(11)	No. of Municipal Authority or Gram Panchayats under jurisdiction and Submission of Annual Report to SPCB (Rule 17)	
Annual Report submitted by -- 141 ; Municipal Corporation - 16 ; Municipal Council - 73 ; Nagar Panchayat - 52			

	STATE LEVEL WATER TESTING LABORATORY	Format No.: SLWTL/FRM/02	 Certificate No.: TC-5752*
	P.H.E.D., GOVERNMENT OF BIHAR	Issue No.: 459	
	TEST REPORT	Issue Date: 25.08.2022	

Report No.: SLWTL/2022/GW-15302-15315	URL No.: TC57522200000459P	Date of Reporting: 25.08.2022
Name of the Organisation/Person: Departmental		
Location Details: Begusarai, District (River Name: Ganga)		
Ref.Memo No: Nil	Sample Received on: 16.08.2022	
Sample Collected by SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD/02/15"): Yes		
Type of Sample: Ground Water	Source of Sample: Drinking Water	
Volume of Sample: 1 Ltr	Type of Container: Plastic	
Mode of Preservation: Preserved	Sample Condition: Sealed	
Deviation of Method, if Any: NIL	Date of Sampling: 09.08.2022 to 15.08.2022	
Date of Analysis Started: 22.08.2022	Date of Analysis Completed: 25.08.2022	

Remarks: These (SI No-01, 04, 06) water sample is not fit for Drinking Purpose.

SL. No.	Block Name	Panchayet Name	Village Name	Habitation / Ward No.	Location Details	Latitude	Longitude	Physico - Chemical and Bacteriological Parameters															
								pH	Turb	EC	TDS	TH	Ca	Mg	Cl	Alka	Fe	NO ₃	SO ₄	F	As	Mn***	T.Coli***
								-	NTU	µmho/cm	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	MPN/100ml
								2.0	4.0	1.0	10.0	10.0	5.0	2.0	5.0	10.0	0.01	1.0	5.0	0.01	0.002	0.01	-
								Desirable Limit*	6.5-8.5	1	500	200	75	30	250	200	1	45	200	1	0.01	0.1	-
								Permissible Limit* in absence of alternate source	NR	5	2000	600	200	100	1000	600	NR	NR	400	1.5	NR	0.3	**
1	Bachhawara	Dadpur	Jitbazitpur	Harizen tola	Binod Kumar	25.486296	86.987290	7.24	<4.0	683.10	444	240	52.90	26.24	43.97	248	1.12	<1.0	37.60	0.13	0.003	<0.01	ND
2	Bachhawara	Fateha	Fateha	Gangasar	Sanjay Kumar	25.480888	86.980399	7.84	<4.0	611.60	398	264	59.31	28.18	47.97	202	0.96	<1.0	25.20	0.10	0.005	<0.01	ND
3	Bachhawara	Bishanpur	Chiraiyatok	Dom tola	Pramod Mahto	25.472969	86.942979	7.81	<4.0	682.50	444	304	64.12	34.99	39.98	248	0.93	<1.0	36.50	0.09	0.004	<0.01	ND
4	Barauni	Malhipur S	Simariya Ghat	Simariya Ghat	Raj Nandan Singh	25.487296	86.967098	7.61	<4.0	583.30	380	252	56.11	27.21	41.97	202	1.20	<1.0	39.80	0.09	0.002	<0.01	ND
5	Barauni	Simariya 1	Simariya 1	Simariya 1	Om Prakash	25.480079	86.965979	7.35	<4.0	524.70	342	208	46.49	22.35	41.97	242	0.92	<1.0	38.70	0.07	0.003	<0.01	ND
6	Barauni	Pipra Devas	Pipra Dih	Pipra Dih	Aman Tatiya	25.481389	86.987089	7.97	<4.0	581.60	378	264	56.11	30.13	33.98	282	1.16	<1.0	22.80	0.19	0.005	<0.01	ND
7	Barauni	Papraur	Papraur	Papraur	Vijay Sharma	25.486929	86.987839	7.57	<4.0	731.10	476	308	67.33	34.02	43.97	296	0.94	<1.0	37.80	0.11	0.003	<0.01	ND
8	S Kamal	Ragu. Barari	Chharappti	Chharappti	Anil Yadav	25.451249	86.984989	7.87	<4.0	659.50	428	304	64.12	34.99	45.97	222	0.92	<1.0	32.70	0.07	0.003	<0.01	ND
9	S Kamal	Ragu. Barari	Chharappti	Chharappti	Ajay Chaudhary	25.486796	86.961280	7.54	<4.0	365.90	238	112	27.25	10.69	65.96	196	0.83	<1.0	39.80	0.07	0.004	<0.01	ND
10	S Kamal	Ragu. Barari	Pachaveer	Pachaveer	Sunil Kumar Sahu	25.481278	86.960099	7.42	<4.0	595.00	386	244	52.90	27.21	51.97	200	0.84	<1.0	39.50	0.08	0.005	<0.01	ND
11	Teghra	N.Madhurapur	N.Madhurapur	Ward No-14	Rajeev Singh	25.487892	86.987229	7.97	<4.0	697.50	454	288	60.92	33.04	43.97	256	0.86	<1.0	33.40	0.10	0.004	<0.01	ND
12	Teghra	N.Madhurapur	N.Madhurapur	N.Madhurapur	Anil Kumar	25.4867990	86.981979	7.45	<4.0	675.50	440	284	62.52	31.10	53.97	282	0.79	<1.0	40.10	0.08	0.003	<0.01	ND
13	Teghra	N.Madhurapur	N.Madhurapur	Ward No-13	Lalan Kumar Tati	25.480489	86.961293	7.95	<4.0	607.20	394	288	60.92	33.04	55.97	228	0.91	<1.0	37.80	0.08	<0.002	<0.01	ND
14	Teghra	N.Madhurapur	N.Madhurapur	Ward No-11	Pankaj Yadav	25.480019	86.963779	7.96	<4.0	674.90	438	296	64.12	33.04	47.97	292	0.80	<1.0	34.40	0.08	0.005	<0.01	ND

Note: * (i) Drinking Water Specification Second Revision -IS: 10500:2012., ND=Not Done, NR=Not Required., ** Shall not be detectable in any 100 ml sample, *** These parameters are not included in Scope of Accreditation.

Copy forwarded to: (i) S.R.O., PHED, Govt. of Bihar, (ii) Engineer-in-Chief, PHED, Govt. of Bihar, (iii) Director, Water Quality, PHED, Govt. of Bihar

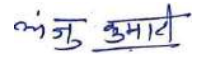
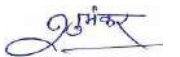
1. The results are reported based on the materials received. 2. Sample will be destroyed after 15 Days from the date of issue of the test report subject to nature of preparation unless otherwise specified. 3. Sample will be preserved according to standard method. The test report shall not be reproduced except in full, without the written permission of the competent authority of the Laboratory.

----- END OF TEST REPORT -----

(Shubhanker Kumar Biswas)

Signature of Lab-In-charge

Received By

Prepared by:	Approved by:	Issued by:	Page 1 of 1
			Revision No.: 0
Quality Manager	S.R.O cum Technical Manager	Research Assistant cum Lab-in-charge	Revision Date: Nil

	STATE LEVEL WATER TESTING LABORATORY	Format No.: SLWTL/FRM/02	 Certificate No.: TC-5752
	P.H.E.D., GOVERNMENT OF BIHAR	Issue No.:466	
	TEST REPORT	Issue Date: 27.08.2022	

Report No:SLWTL/2022/GW-15820-15831	URL No.-TC57522200000466P	Date of Reporting: 27.08.2022
Name of the Organisation/Person: Departmental		
Location Details: Patna, District (River Name: Ganga)		
Ref.Memo No: Nil	Sample Received on: 22.08.2022	
Sample Collected by SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD/02/15"): Yes		
Type of Sample: Ground Water	Source of Sample: Drinking Water	
Volume of Sample: 1 Ltr	Type of Container: Plastic	
Mode of Preservation: Preserved	Sample Condition:Sealed	
Deviation of Method , If Any: NIL	Date of Sampling: 05.08.2022 to 21.08.2022	
Date of Analysis Started: 24.08.2022	Date of Analysis Completed: 26.08.2022	

Remarks: These (Sl No-01, 03, 04, 05, 06, 07) water samples are not fit for Drinking Purpose.																							
SL. No.	Block Name	Panchayet Name	Village Name	Habitation / Ward No.	Location Details	Latitude	Longitude	Physico - Chemical and Bacteriological Parameters															
								pH	Turb	EC	TDS	TH	Ca	Mg	Cl	Alka	Fe	NO ₃	SO ₄	F	As	Mn***	T.Coli***
								-	NTU	µmho/cm	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
*Minimum Detection Limit								2.0	4.0	1.0	10.0	10.0	5.0	2.0	5.0	10.0	0.01	1.0	5.0	0.01	0.002	0.01	--
Desirable Limit*								6.5-8.5	1	-	500	200	75	30	250	200	1	45	200	1	0.01	0.1	-
Permissible Limit* in absence of alternate source								NR	5	-	2000	600	200	100	1000	600	NR	NR	400	1.5	NR	0.3	**
1	Bakhtiyarpur	Ghosvari	Ghosvari	Badlo Toli/05	Ashok Kumar	25.485827	85.386815	7.66	<4.0	883.00	574	340	73.79	37.90	89.95	308	1.74	<1.0	63.10	0.19	0.003	<0.01	ND
2	Barh	Sarkati	Sarkati	Sitaram/06	Gaurabh Sir	25.397902	85.705686	7.95	<4.0	591.60	384	256	56.11	28.18	19.99	202	0.61	1.01	13.30	0.34	0.002	<0.01	ND
3	Belchhi	Andauli	Darveshpur	Darveshpur/06	M.S Darveshpur	25.355195	85.719296	7.67	<4.0	629.50	408	284	62.52	31.10	29.98	248	1.88	<1.0	9.20	0.44	0.004	<0.01	ND
4	Barh	Ekdanga	Ekdanga	Ekdanga/14	M.S Ekdanga	25.388986	85.705326	7.67	<4.0	1077.00	700	356	76.95	39.85	89.95	404	1.27	7.80	71.80	0.33	<0.002	<0.01	ND
5	Barh	Ibrahimpur	Malahi	Malahi/08	Devi Asthan Mandir	25.961722	85.686774	7.45	<4.0	942.50	612	304	65.73	34.02	65.96	362	1.54	<1.0	35.10	0.25	<0.002	<0.01	ND
6	Pandarak	Ajgra Bakma	Bakma	Bakma/06	Pani Tanki Nikat	25.363787	85.783960	7.49	<4.0	1015.00	660	256	56.11	28.18	31.98	390	1.94	1.22	49.50	0.36	<0.002	<0.01	ND
7	Pandarak	Ajgra Bakma	Bakma	Bakma/05	H.S Bakma	25.363168	85.787330	7.71	<4.0	588.40	382	268	59.31	29.16	21.98	212	2.87	<1.0	12.40	0.58	0.003	<0.01	ND
8	Pandarak	Ajgra Bakma	Bakma	Chakrahim/04	P.S Chakrahim	25.375062	85.790787	7.58	<4.0	861.10	560	300	65.73	33.04	41.97	310	0.94	<1.0	49.80	0.50	<0.002	<0.01	ND
9	Pandarak	Ajgra Bakma	Imadpur	Imadpur/02	Durga Farma	25.374597	85.790113	7.41	<4.0	630.10	408	272	59.31	30.13	145.92	258	0.96	<1.0	24.10	0.39	<0.002	<0.01	ND
10	Mokama	Dariyapur	Dariyapur	Dariyapur/08	Bablu Kumar	25.381568	85.971419	7.66	<4.0	729.30	474	344	73.74	38.88	43.97	298	0.67	<1.0	39.20	0.44	<0.002	<0.01	ND
11	Mokama	Dariyapur	Dariyapur	Dariyapur/09	Binod Saw	25.383114	85.968494	7.95	<4.0	651.20	422	240	51.30	27.21	31.98	278	0.57	<1.0	27.60	0.35	0.002	<0.01	ND
12	Mokama	Dariyapur	Dariyapur	Dariyapur/02	Arun Chaudhary	25.384124	85.966556	7.96	<4.0	619.10	402	200	44.88	21.38	31.98	252	0.76	<1.0	28.70	0.34	<0.002	<0.01	ND

Note: * (i) Drinking Water Specification Second Revision -IS: 10500:2012.,ND=Not Done, NR=Not Required., ** Shall not be detectable in any 100 ml sample, *** These parameters are not included in Scope of Accreditation.

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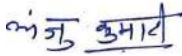
1.The results are reported based on the materials received. 2.Sample will be destroyed after 15 Days from the date of issue of the test report subject to nature of preparation unless otherwise specified. 3.Sample will be preserved according to standard method. The test report shall not be reproduced except in full, without the written permission of the competent authority of the Laboratory.

----- END OF TEST REPORT -----

(Shubhanker Kumar Biswas)

Signature of Lab-in-charge

Received By

Prepared by:	Approved by:	Issued by:	Page 1 of 1
 Quality Manager	 S.R.O cum Technical Manager	 Research Assistant cum Lab-in-charge	Revision No.: 0
			Revision Date: Nil

	STATE LEVEL WATER TESTING LABORATORY		Format No.: SLWTL/FRM/02	
	P.H.E.D., GOVERNMENT OF BIHAR		Issue No.:466	
	TEST REPORT		Issue Date: 27.08.2022	

Report No:SLWTL/2022/GW-15832-15835	URL No.-TC575222000000466P	Date of Reporting: 27.08.2022
Name of the Organisation/Person: Departmental		
Location Details: Patna, District (River Name: Punpun)		
Ref.Memo No: Nil	Sample Received on: 22.08.2022	
Sample Collected by SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD/02/15"): Yes		
Type of Sample: Ground Water	Source of Sample: Drinking Water	
Volume of Sample: 1 Ltr	Type of Container: Plastic	
Mode of Preservation: Preserved	Sample Condition:Sealed	
Deviation of Method , If Any: NIL	Date of Sampling: 05.08.2022 to 21.08.2022	
Date of Analysis Started: 24.08.2022	Date of Analysis Completed: 26.08.2022	

Remarks: These water samples are fit for Drinking Purpose.

SL. No.	Block Name	Panchayet Name	Village Name	Habitation / Ward No.	Location Details	Latitude	Longitude	Physico - Chemical and Bacteriological Parameters															
								pH	Turb	EC	TDS	TH	Ca	Mg	Cl	Alka	Fe	NO ₃	SO ₄	F	As	Mn***	T.Coli***
								-	NTU	µmho/cm	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	MPN/100ml	
*Minimum Detection Limit								2.0	4.0	1.0	10.0	10.0	5.0	2.0	5.0	10.0	0.01	1.0	5.0	0.01	0.002	0.01	--
Desirable Limit*								6.5-8.5	1	-	500	200	75	30	250	200	1	45	200	1	0.01	0.1	-
Permissible Limit* in absence of alternate source								NR	5	-	2000	600	200	100	1000	600	NR	NR	400	1.5	NR	0.3	**
1	Fatuha	Alavalpur	Alavalpur	Alavalpur/12	Shiv Mandir	25.509400	85.278965	7.96	<4.0	409.40	266.00	196	44.88	20.41	19.99	190	0.86	<1.0	5.80	0.18	<0.002	<0.01	ND
2	Fatuha	Dumri	Dumri	Ranipur/15	Devi Asthan	25.509433	85.286278	7.87	<4.0	560.90	364.00	264	57.71	29.16	21.98	224	0.63	<1.0	8.90	0.54	0.004	<0.01	ND
3	Fatuha	Fatuha	Fatuha	Maksudpur/07	Baba Balaknath	25.503527	85.310856	7.74	<4.0	526.60	342.00	236	51.30	26.24	63.96	202	0.89	<1.0	7.70	0.27	<0.002	<0.01	ND
4	Fatuha	Gauripunda	Balba	Balba/05	Shiv Mandir	25.484208	85.3005870	7.88	<4.0	374.60	242.00	188	43.28	19.44	21.98	168	0.38	<1.0	9.40	0.26	<0.002	<0.01	ND

Note: * (i) Drinking Water Specification Second Revision -IS: 10500:2012.,ND=Not Done, NR=Not Required., ** Shall not be detectable in any 100 ml sample, *** These parameters are not included in Scope of Accreditation.

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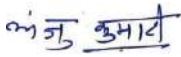
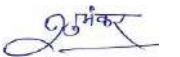
1.The results are reported based on the materials received. 2.Sample will be destroyed after 15 Days from the date of issue of the test report subject to nature of preparation unless otherwise specified. 3.Sample will be preserved according to standard method. The test report shall not be reproduced except in full, without the written permission of the competent authority of the Laboratory.

----- END OF TEST REPORT -----

(Shubhanker Kumar Biswas)

Signature of Lab-In-charge

Received By

Prepared by:	Approved by:	Issued by:	Page 1 of 1
			Revision No.: 0
Quality Manager	S.R.O cum Technical Manager	Research Assistant cum Lab-in-charge	Revision Date: Nil

**BIHAR STATE POLLUTION CONTROL BOARD****Annexure - 5****Parivesh Bhawan, N.S.B.-2, Patliputra Industrial Area, Patliputra, Patna – 800010**

Name of Drain	Barari Ghat Drain, Bhagalpur 25.26993338 87.02689947	Pipalli Dham Drain 1, Bhagalpur 25.2695632 87.01719145	Khirni Drain, Bhagalpur 25.26222689 86.99605297	Koyal Ghat, Bhagalpur 25.26037577 86.9883925	Saklichand Drain, Bhagalpur 25.25408254 86.97347503	DN Singh Drain, Bhagalpur 25.24988547 86.97709635	Shamshan Ghat Drain, Kahalgaon 25.27018544 87.23104245	LCT Drain, Kahalgaon 25.26595525 87.2262325
Date of Sampling	25-04-2022	25-04-2022	25-04-2022	25-04-2022	25-04-2022	25-04-2022	26-04-2022	26-04-2022
Parameters	Analysis Report							
Temperature (A/W)	40/31	40/32	39/31	38/30	37/29	37/30	41/31	14/30
pH	7.36	7.4	7.3	7.93	7.15	7.25	7.58	7.53
Electrical Conductivity (µS/cm)	-	-	-	-	-	-	-	-
Chloride (mg/L)	193.0	148.0	135.0	94.0	149.0	128.0	219.0	203.0
Phosphate (mg/L)	1.31	0.37	2.35	1.87	1.78	1.81	1.36	1.77
Sulphate (mg/L)	95.74	78.52	80.08	60.85	109.84	87.47	131.76	116.55
Nitrate as N (mg/L)	0.02	0.03	0.05	0.02	0.03	0.02	0.06	0.02
Ammonical Nitrogen as N (mg/L)	13.29	2.49	11.37	9.42	16.19	23.26	8.54	14.13
Fluoride (mg/L)	0.53	0.71	0.30	0.29	0.47	0.55	0.58	0.48
COD (mg/L)	68.0	68.0	120.0	144.0	136.0	108.0	132.0	120.0
BOD (mg/L)	10.0	12.0	24.0	28.0	26.0	20.0	30.0	22.0
TS (mg/L)	1120.0	1154.0	1054.0	1350.0	1022.0	918.0	1312.0	1316.0
TSS (mg/L)	112.0	78.0	176.0	484.0	92.0	84.0	148.0	112.0
TDS (mg/L)	1008.0	1076.0	878.0	866.0	930.0	834.0	1164.0	1204.0
TFS (mg/L)	806.0	820.0	737.8	972.0	725.62	642.6	944.64	934.36
TC (MPN/100 ml)	22×10 ⁵	92×10 ⁶	22×10 ⁸	17×10 ¹¹	35×10 ⁷	54×10 ⁸	17×10 ⁸	28×10 ⁶
FC (MPN/100 ml)	11×10 ⁵	28×10 ⁶	13×10 ⁸	4×10 ¹¹	13×10 ⁷	2.2×10 ⁸	7.9×10 ⁸	17×10 ⁶

Name of Drain	Pampu Ghat Drain, Kahalgaon 25.26460298 87.22561682	Kagzi Drain, Kahalgaon 25.26130834 87.22544642	Kowa Drain, Kahalgaon 25.2519184 87.22980613	Masjid Drain at Sultanganj 25.253688 86.738753	Nill Kothi Drain, Bhagalpur 25.269847 87.020361	Pipalli Dham Drain 2, Bhagalpur 25.269515 87.016740	Surkil Khal Drain, Bhagalpur 25.264019 86.997095	Addampur Drain, Bhagalpur 25.258119 86.982359
Date of Sampling	26-04-2022	26-04-2022	26-04-2022	26-04-2022	26-04-2022	26-04-2022	27-04-2022	27-04-2022
Parameters	Analysis Report							
Temperature (A/W)	42/31	43/30	43/30	41/30	39/31	37/30	39/31	39/30
pH	7.53	7.67	8.02	7.39	7.52	7.53	7.14	8.18
Electrical Conductivity (µS/cm)	-	-	-	-	-	-	-	-
Chloride (mg/L)	116.0	186.0	186.0	86.0	264.9	108.0	148.0	114.0
Phosphate (mg/L)	1.15	1.35	0.21	0.21	2.35	0.31	3.17	0.47
Sulphate (mg/L)	89.03	170.57	92.39	241.60	95.74	85.90	39.37	101.56
Nitrate as N (mg/L)	0.03	ND	0.05	0.70	ND	0.01	0.02	ND
Ammonical Nitrogen as N (mg/L)	11.41	10.42	0.71	9.47	11.41	6.50	10.93	8.24
Fluoride (mg/L)	0.12	0.26	1.06	0.70	0.34	0.46	ND	0.24
COD (mg/L)	112.0	40.0	80.0	260.0	140.0	84.0	64.0	124.0
BOD (mg/L)	23.0	8.0	17.0	54.0	32.0	18.0	14.0	27.0
TS (mg/L)	1038.0	1476.0	666.0	1448.0	1082.0	1936.0	1014.0	932.0
TSS (mg/L)	94.0	262.0	74.0	128.0	288.0	1094.0	146.0	292.0
TDS (mg/L)	944.0	1214.0	592.0	1320.0	794.0	842.0	868.0	640.0
TFS (mg/L)	726.6	1060.0	472.0	1014.0	778.0	1374.0	710.0	672.0
TC (MPN/100 ml)	35×10 ⁷	11×10 ⁸	2800.0	35×10 ⁸	11×10 ⁷	24×10 ⁵	35×10 ⁷	92×10 ⁶
FC (MPN/100 ml)	13×10 ⁷	2.7×10 ⁸	1700.0	22×10 ⁸	3.3×10 ⁷	7.9×10 ⁵	11×10 ⁷	28×10 ⁶

Name of Drain	Miya Badi Drain, Bhagalpur 25.251420 86.945500	Hathiya Drain, Near Bhagalpur University 25.249609 86.960570	Hathiya Nala, Near Water Intake Point 25.268738 87.012559	Champa Nala Drain 1, Bhagalpur 25.241750 86.923820	Champa Nala Drain 2, Bhagalpur 25.240640 86.923120	Kuppa Ghat Drain, Bhagalpur 25.267507 87.005912	STP Drain, Bhagalpur 25.250685 86.960570
Date of Sampling	27-04-2022	28-04-2022	28-04-2022	28-04-2022	28-04-2022	28-04-2022	28-04-2022
Parameters	Analysis Report						
Temperature (A/W)	40/31	42/30	41/31	41/31	41/30	41/30	41/30
pH	7.69	7.84	7.23	7.45	7.38	7.3	7.39
Electrical Conductivity (µS/cm)	-	-	-	-	-	-	-
Chloride (mg/L)	122.0	226.9	247.9	189.0	101.0	106.0	163.0
Phosphate (mg/L)	4.45	2.07	2.72	2.73	3.70	3.28	1.84
Sulphate (mg/L)	95.30	92.16	96.01	84.56	70.24	92.16	117.67
Nitrate as N (mg/L)	0.02	ND	ND	0.01	ND	0.01	ND
Ammonical Nitrogen as N (mg/L)	13.11	13.95	16.94	16.62	28.07	17.23	9.93
Fluoride (mg/L)	ND	0.55	0.23	0.21	0.02	0.05	0.37
COD (mg/L)	160.0	76.0	300.0	244.0	680.0	116.0	160.0
BOD (mg/L)	36.0	16.0	80.0	42.0	130.0	33.0	28.0
TS (mg/L)	2224.0	1150.0	1576.0	1170.0	1216.0	1228.0	1256.0
TSS (mg/L)	1110.0	86.0	542.0	292.0	348.0	294.0	154.0
TDS (mg/L)	1114.0	1064.0	1034.0	878.0	868.0	934.0	1102.0
TFS (mg/L)	1580.0	806.0	1134.0	830.0	852.0	884.0	892.0
TC (MPN/100 ml)	11×10 ⁴	28×10 ⁵	14×10 ⁹	92×10 ⁹	35×10 ⁷	7×10 ⁵	16×10 ¹⁰
FC (MPN/100 ml)	2.7×10 ⁴	17×10 ⁵	3.3×10 ⁹	28×10 ⁹	13×10 ⁷	2.1×10 ⁵	3.5×10 ¹⁰

Name of Drain	Rani Ghat Drain, Patna 25.620535 85.176755	Ghagha Ghat Drain, Patna 25.620357 85.180836	Masjid Ghat Drain, Patna 25.619801 85.184585	Raghopur Dogar Drain, Bakhtiyarpur 25.462880 85.541743	Gauri Shankar Drain, Barh 25.486780 85.708964	Malinia Ghat Drain, Barh 25.483260 85.706472	Salempur Drain, Barh 25.481579 85.705949	Dhobiya Ghat Drain, Barh 25.485165 85.707543
Date of Sampling	09-05-2022	09-05-2022	09-05-2022	09-05-2022	09-05-2022	09-05-2022	09-05-2022	09-05-2022
Parameters	Analysis Report							
Temperature (A/W)	NA	NA	NA	29/27	32/30	34/32	34/32	35/33
pH	6.78	7.19	7.57	7.44	7.5	7.3	7.16	7.48
Electrical Conductivity (µS/cm)	-	-	-	-	-	-	-	-
Chloride (mg/L)	39.0	75.0	135.0	148.0	96.0	100.0	113.0	71.0
Phosphate (mg/L)	2.63	2.98	2.25	3.13	0.78	2.34	2.76	1.08
Sulphate (mg/L)	22.03	34.90	47.98	63.64	89.93	58.16	48.77	46.98
Nitrate as N (mg/L)	0.04	ND	ND	0.04	0.03	0.05	0.03	0.02
Ammonical Nitrogen as N (mg/L)	20.72	26.56	26.94	28.94	9.55	30.22	40.31	21.11
Fluoride (mg/L)	0.11	0.37	0.18	0.91	ND	0.55	0.62	0.96
COD (mg/L)	128.0	144.0	56.0	80.0	512.0	24.0	64.0	76.0
BOD (mg/L)	26.0	30.0	10.0	18.0	160.0	5.0	10.0	14.0
TS (mg/L)	1014.0	924.0	1022.0	1558.0	1618.0	762.0	828.0	830.0
TSS (mg/L)	210.0	120.0	90.0	912.0	286.0	40.0	34.0	174.0
TDS (mg/L)	804.0	804.0	932.0	646.0	1332.0	722.0	794.0	656.0
TFS (mg/L)	718.0	646.0	718.0	1106.0	1164.0	552.0	582.0	588.0
TC (MPN/100 ml)	16×10 ¹⁰	54×10 ⁸	92×10 ¹⁰	54×10 ⁶	54×10 ⁹	92×10 ⁷	92×10 ⁸	35×10 ⁷
FC (MPN/100 ml)	2.2×10 ¹⁰	35×10 ⁸	14×10 ¹⁰	13×10 ⁶	35×10 ⁹	17×10 ⁷	35×10 ⁸	4.9×10 ⁷

Name of Drain	Peepal Ghat Drain, Barh 25.472465 85.700289	Tapashwi Ghat Drain, Mokama 25.402381 85.916733	Gai Ghat Drain, Patna 25.613783 85.203519	Goshai Ghat Drain, Patna 25.614774 85.199712	Loharwa Ghat Drain, Patna 25.615738 85.197291	Bhadra Ghat Drain, Patna 25.611334 85.207196	Mahavir Ghat Drain, Patna 25.609797 85.211130	Nauzar Ghat Drain, Patna 25.608978 85.211872
Date of Sampling	09-05-2022	10-05-2022	10-05-2022	10-05-2022	10-05-2022	10-05-2022	10-05-2022	10-05-2022
Parameters	Analysis Report							
Temperature (A/W)	36/32	35/32	31/30	32/30	33/30	33/29	Mar-30	35/30
pH	7.29	7.21	7.28	7.14	7.46	7.56	7.47	7.2
Electrical Conductivity (µS/cm)	-	-	-	-	-	-	-	-
Chloride (mg/L)	95.0	58.0	16.0	37.0	73.0	111.0	48.0	28.0
Phosphate (mg/L)	2.44	2.43	0.15	1.82	2.18	0.32	0.51	1.91
Sulphate (mg/L)	25.84	37.36	21.36	23.38	56.71	38.48	45.19	49.33
Nitrate as N (mg/L)	0.04	ND	0.23	0.06	0.02	ND	ND	0.03
Ammonical Nitrogen as N (mg/L)	36.13	18.79	12.73	3.61	7.88	18.75	10.85	1.21
Fluoride (mg/L)	0.69	0.15	0.26	0.47	0.60	0.94	0.95	0.47
COD (mg/L)	24.0	72.0	44.0	80.0	72.0	36.0	28.0	40.0
BOD (mg/L)	5.0	14.0	8.0	14.0	14.0	6.0	5.0	8.0
TS (mg/L)	764.0	1042.0	528.0	696.0	858.0	668.0	682.0	642.0
TSS (mg/L)	38.0	238.0	98.0	152.0	128.0	24.0	18.0	136.0
TDS (mg/L)	726.0	804.0	430.0	544.0	730.0	644.0	664.0	506.0
TFS (mg/L)	548.0	752.0	372.0	504.0	610.0	474.0	486.0	454.0
TC (MPN/100 ml)	92×10 ⁶	16×10 ⁸	16×10 ⁹	92×10 ⁹	92×10 ⁶	16×10 ⁷	35×10 ⁸	54×10 ⁸
FC (MPN/100 ml)	22×10 ⁶	3.5×10 ⁸	3.5×10 ⁹	24×10 ⁹	54×10 ⁶	5.4×10 ⁷	22×10 ⁸	24×10 ⁸

Name of Drain	Balu Ghat Drain near Gulabi Ghat, Patna 25.620025 85.181023	Kali Ghat Drain Sammampur, Patna 25.517223 85.300374	Mastana Ghat Drain, Patna 25.512176 85.304482	Devanti Ghat Drain, Patna 25.511557 85.306314	Sarinpur Drain, Buxar 25.583973 83.986145	Sidnath Drain, Buxar 25.580486 83.980550	Sati Ghat Drain, Buxar 25.578728 83.975966
Date of Sampling	11-05-2022	11-05-2022	11-05-2022	11-05-2022	09-05-2022	09-05-2022	09-05-2022
Parameters	Analysis Report						
Temperature (A/W)	33/31	37/31	37/32	37/30	35/31	36/31	37/32
pH	6.98	7.01	7.15	7.46	7.52	7.28	7.67
Electrical Conductivity (µS/cm)	-	-	-	-	1230	1030	1100
Chloride (mg/L)	65	80	112	170	110.0	91.0	94.0
Phosphate (mg/L)	3.26	1.82	2.74	0.23	0.33	0.38	2.21
Sulphate (mg/L)	32.44	51.12	55.59	74.38	35.01	40.49	23.04
Nitrate as N (mg/L)	0.03	ND	ND	0.46	0.01	0.02	ND
Ammonical Nitrogen as N (mg/L)	30.28	23.72	18.04	15.05	28.30	4.80	39.79
Fluoride (mg/L)	ND	0.08	0.28	0.45	1.12	0.99	0.22
COD (mg/L)	96.0	60.0	52.0	48.0	68.0	40.0	76.0
BOD (mg/L)	22.0	10.0	8.0	8.0	14.0	10.0	18.0
TS (mg/L)	1326.0	912.0	954.0	1270.0	776.0	710.0	796.0
TSS (mg/L)	252.0	88.0	46.0	38.0	20.0	28.0	82.0
TDS (mg/L)	1074.0	824.0	908.0	1232.0	756.0	682.0	714.0
TFS (mg/L)	944.0	644.0	688.0	898.0	558.0	512.0	570.0
TC (MPN/100 ml)	54×10 ¹⁵	92×10 ⁹	92×10 ¹⁰	22×10 ⁹	17×10 ⁷	54×10 ⁵	16×10 ⁹
FC (MPN/100 ml)	35×10 ¹⁵	35×10 ⁹	35×10 ¹⁰	11×10 ⁹	4.9×10 ⁷	24×10 ⁵	2.8×10 ⁹

Name of Drain	Bagala Ghat Drain, Buxar	Tadka Drain, Buxar	Nath Baba Drain, Buxar	Danapur Cantt Drain, Patna	Digha Ghat Drain, Patna	Kurzi Drain, Patna	Rajapur Drain, Patna	Bans Ghat Drain, Patna
	25.578392	25.574660	25.572107	25.639792	25.648981	25.645543	25.623714	25.622302
	83.975442	83.972256	83.968007	85.044241	85.080238	85.105737	85.124566	85.133857
Date of Sampling	09-05-2022	09-05-2022	09-05-2022	10-05-2022	10-05-2022	10-05-2022	10-05-2022	10-05-2022
Parameters	Analysis Report							
Temperature (A/W)	34/30	36/31	37/35	37/35	38/36	38/36	37/34	36/34
pH	7.22	6.87	7.61	7.73	7.55	7.17	7.21	7.05
Electrical Conductivity (µS/cm)	869	1340	1030	745	850	791	684	721
Chloride (mg/L)	79.0	138.0	194.0	117.0	82.0	65.0	58.0	65.0
Phosphate (mg/L)	1.40	1.94	0.28	0.21	0.39	0.54	0.45	1.26
Sulphate (mg/L)	42.50	43.29	37.25	46.42	25.17	24.94	28.75	26.06
Nitrate as N (mg/L)	ND	ND	ND	ND	0.03	ND	ND	ND
Ammonical Nitrogen as N (mg/L)	40.43	40.25	17.63	16.05	17.33	15.85	11.88	15.11
Fluoride (mg/L)	0.89	0.32	0.95	0.80	0.90	0.77	0.95	0.92
COD (mg/L)	56.0	100.0	36.0	76.0	44.0	32.0	32.0	36.0
BOD (mg/L)	12.0	28.0	8.0	18.0	10.0	8.0	8.0	8.0
TS (mg/L)	728.0	1148.0	712.0	834.0	634.0	612.0	552.0	642.0
TSS (mg/L)	78.0	74.0	22.0	124.0	30.0	56.0	50.0	92.0
TDS (mg/L)	650.0	1074.0	690.0	710.0	604.0	556.0	502.0	550.0
TFS (mg/L)	516.0	816.0	504.0	602.0	448.0	436.0	390.0	456.0
TC (MPN/100 ml)	16×10 ⁹	16×10 ⁸	54×10 ⁷	22×10 ⁷	35×10 ⁸	92×10 ⁸	92×10 ⁹	54×10 ⁸
FC (MPN/100 ml)	3.5×10 ⁹	3.5×10 ⁸	17×10 ⁷	11×10 ⁷	22×10 ⁸	28×10 ⁸	54×10 ⁹	17×10 ⁸

Name of Drain	Collectorate Ghat Drain, Patna 25.622206 85.150345	Barharwa Ghat Drain, Patna 25.621373 85.1753383	Mitan Ghat Drain, Patna 25.606148 85.217798	Kataiya Ghat Drain at Fatuha 25.511230 85.308223	Makshudpur Drain (East of Bindeshwaro Ghat) at Fatuha 25.509169 85.324146	Makshudpur Drain (West) at Fatuha 25.509084 85.323754	Chaudhari Ghat Drain, Mokama 25.400891 85.918517	Kamleshwari Asthan Drain, Mokama 25.401095 85.919996
Date of Sampling	10-05-2022	10-05-2022	10-05-2022	12-05-2022	12-05-2022	12-05-2022	11-05-2022	11-05-2022
Parameters	Analysis Report							
Temperature (A/W)	36/34	35/33	34.2/32.3	29/29	34/31	32/30	31/30	33/31
pH	7.06	7.44	7.11	7.41	7.23	7.32	7.09	7.14
Electrical Conductivity (µS/cm)	740	936	867	-	-	-	-	-
Chloride (mg/L)	64.0	81.0	67.0	58.0	108.0	83.0	79.0	63.0
Phosphate (mg/L)	0.96	1.18	2.81	1.06	1.91	1.11	3.02	2.31
Sulphate (mg/L)	27.40	54.58	60.62	64.98	99.21	78.74	46.53	43.40
Nitrate as N (mg/L)	0.04	ND	0.02	ND	ND	ND	ND	ND
Ammonical Nitrogen as N (mg/L)	28.95	25.61	26.04	29.35	30.39	12.64	48.31	34.16
Fluoride (mg/L)	0.81	0.96	0.97	0.05	ND	ND	ND	0.15
COD (mg/L)	56.0	64.0	176.0	40.0	100.0	68.0	56.0	192.0
BOD (mg/L)	10.0	12.0	28.0	10.0	24.0	14.0	12.0	40.0
TS (mg/L)	584.0	852.0	910.0	470.0	1024.0	764.0	868.0	932.0
TSS (mg/L)	60.0	170.0	224.0	60.0	190.0	80.0	68.0	236.0
TDS (mg/L)	524.0	682.0	686.0	410.0	834.0	684.0	800.0	696.0
TFS (mg/L)	410.0	616.0	654.0	332.0	738.0	550.0	614.0	664.0
TC (MPN/100 ml)	35×10 ⁹	22×10 ⁹	16×10 ⁸	92×10 ⁷	92×10 ¹¹	54×10 ¹⁰	16×10 ⁷	63×10 ⁸
FC (MPN/100 ml)	11×10 ⁹	11×10 ⁹	3.5×10 ⁸	17×10 ⁷	17×10 ¹¹	17×10 ¹⁰	1.7×10 ⁷	21×10 ⁸



Bihar State Pollution Control Board

Parivesh Bhawan, NSB-2, Patliputra Industrial Area

Patliputra, Patna-800 010

Water Quality Status under NWMP

Name of Monitoring Agency-BSPCB

Name of State-Bihar

Monitoring Month August, 2022

Annexure - 6

Sampling Date	Name Of Monitoring Location	Latitude	Longitude	Type Water Body	Name Of WaterBody	District	Temperature	pH	Dissolved O ₂ (mg/L)	Conductivity (µmho/cm)	Turbidity (mg/L)	BOD (mg/L)	COD (mg/L)	Total Alkalinity (mg/L)	Total Hardness (mg/L)	Ca as CaCO ₃ (mg/L)	Mg as CaCO ₃ (mg/L)	Chlorides (mg/L)	Total Dissolved Solids (mg/L)	Total Fixed Solids (mg/L)	Total Suspended Solids (mg/L)	NitrateN (mg/L)	Ammonical-N (mg/L)	Sulphate (mg/L)	Phosphate (mg/L)	Fluoride (mg/L)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	E.Coli (MPN/100ml)	Fecal Streptococci (MPN/100ml)
02-08-2022	RIVER GANGA AT UMA NATH MANDIR, BARH	25.487275	85.705236	RIVER	GANGA	PATNA	28	7.9	5.6	239	675	3	28	130	126	32	11.2	27	162	600	680	0.3	0.4	21.81	0.44	0.2	160000	92000	35000	110
02-08-2022	RIVER GANGA U/S OF M/S NTPC, BARH WATER INTAKE POINT, BARH	25.49475	85.714068	RIVER	GANGA	PATNA	28	7.48	5.8	248	233	2.7	24	130	132	28.8	14.6	24	168	288	238	0.31	0.4	18.57	0.46	0.2	160000	92000	35000	40
17-08-2022	RIVER SIRSIYA AT RAXAUL, BIRGANJ CHECK POST ROAD BRIDGE EAST CHAMPARAN	26.988061	84.855244	RIVER	SIRSIYA (GANGA)	EAST CHAMPARAN	30	7.01	0.3	505	10.2	5	48	172	182	51.3	13.1	47	344	250	12	0.3	4.94	21.7	0.2	0.4	54000	35000	NA	NA
17-08-2022	RIVER SIRSIYA D/S RAXAUL (KOERIA TOLA), EAST CHAMPARAN	26.98375	84.857739	RIVER	SIRSIYA (GANGA)	EAST CHAMPARAN	30	7.16	0.3	500	11.2	6	44	170	178	48.1	14.1	43	340	256	14	0.3	4.72	17.56	0.2	0.2	350000	240000	NA	NA
18-08-2022	RIVER GANGA AT U/S MUNGER KASHATHARNI GHAT	25.382387	86.459558	RIVER	GANGA	MUNGER	30	7.82	5.8	204	817	2.5	24	108	112	20.8	14.6	11	128	618	756	0.3	0.4	34.23	0.2	0.2	160000	92000	780	330
18-08-2022	RIVER GANGA AT MUNGER D/S, CREAMINATION GHAT	25.3878	86.459352	RIVER	GANGA	MUNGER	30	7.92	5.7	201	884	2.8	28	104	110	20.8	14.1	14	134	662	784	0.3	0.4	38.25	0.2	0.2	240000	130000	49000	1300
17-08-2022	RIVER GANGA AT U/S AJGABINATH MANDIR SULTANGANJ, BHAGALPUR	25.252575	86.725558	RIVER	GANGA	BHAGALPUR	31	7.54	6.4	211	678	2.1	20	106	112	22.4	13.6	9	130	552	646	0.3	0.4	32.66	0.2	0.2	92000	54000	22000	4

17-08-2022	RIVER GANGA D/S CREMINATION GHAT AT SULTANGANJ, BHAGALPUR	25.257511	86.747053	RIVER	GANGA	BHAGALPUR	31	7.62	6.2	209	712	2	20	108	116	21.6	15.1	9	126	578	676	0.3	0.4	44.85	0.2	0.2	92000	35000	24000	4
16-08-2022	RIVER GANGA AT D/S BHAGALPUR NEAR BARARIGHAT	25.271603	87.025665	RIVER	GANGA	BHAGALPUR	31	7.92	5.9	231	677	2.5	24	120	126	24	16	6	146	560	652	0.3	0.4	44.74	0.2	0.2	43000	35000	28000	140
16-08-2022	RIVER GANGA AT BHAGALPUR, OPP. KUPPA GHAT	25.321869	86.999389	RIVER	GANGA	BHAGALPUR	31	7.43	6.4	239	804	2.1	20	100	106	20	13.6	10	154	642	748	0.3	0.4	36.8	0.2	0.2	4600	3300	1700	6.8
17-08-2022	RIVER GANGA AT CHAMPANAGAR, RASIDPUR, BHAGALPUR	25.268261	86.940085	RIVER	GANGA	BHAGALPUR	NA				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16-08-2022	RIVER GANGA AT WATER INTAKE POINT, BHAGALPUR	25.2696622	87.0152573	RIVER	GANGA	BHAGALPUR	29	7.54	6	284	307	2.5	24	122	130	24.8	16.5	12	184	332	274	0.33	0.4	50	0.2	0.2	3300	2300	78	4.5
02-08-2022	RIVER GANGA D/S OF M/S NTPC, BARH WATER INTAKE POINT, PATHANICHAK, BINDTOLA BARH	25.487987	85.821429	RIVER	GANGA	PATNA	28	7.48	5.9	261	204.5	2.8	24	130	128	32.8	11.2	26	178	276	210	0.3	0.4	25.17	0.2	0.2	540000	350000	240000	61
02-08-2022	RIVER GANGA AT BARAHIYA, NEPALITOLA, MARANCHI, HATHIDAH AT MOKAMA, PATNA	25.315313	86.029821	RIVER	GANGA	MUZAFFARPUR	NA				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
17-08-2022	RIVER GANGA, JHAIGHAT AT KAHALGAON	25.267334	87.227318	RIVER	GANGA	BHAGALPUR	29	7.81	5.9	221	658	2.7	24	114	120	20.8	16.5	11	142	538	616	0.3	0.4	35.57	0.2	0.2	92000	54000	17000	170
17-08-2022	RIVER HARBORA, U/S AT NARKATIAGANJ, WEST CHAMPARAN	27.116527	84.460063	RIVER	HARBORA	WEST CHAMPARAN	26	7.09	8	310	37.5	1	8	120	124	24	15.5	9	210	176	40	0.3	0.4	21.48	0.2	0.95	490	460	NA	NA
17-08-2022	RIVER GANGA D/S NEAR CREMATION GHAT, KHALGOAN	25.273273	87.235165	RIVER	GANGA	BHAGALPUR	29	7.96	5.6	215	573	2.8	28	108	112	20.8	14.6	9	138	462	522	0.3	0.4	34.67	0.2	0.2	24000	13000	3300	6.8
23-08-2022	RIVER GANGA AT MAA AMBIKA ASTHAN, AAMI, SARAN	25.740235	84.963161	RIVER	GANGA	SARAN	29	7.61	7	198	789	1.7	16	106	114	26.4	11.7	9	134	658	792	0.3	0.4	22.48	0.2	0.2	1300	790	130	14

04-08-2022	RIVER PUNPUN NEAR PATNA FATUHA ROAD BRIDGE, FATUHA	25.501911	85.102552	RIVER	PUNPUN	PATNA	29	7.63	5.8	302	216	4	36	174	172	40	17.5	24	202	302	220	0.3	3.6	33.89	0.2	0.2	920000	540000	NA	NA
17-08-2022	RIVER HARBORA D/S AT NARKATIAGANJ, WEST CHAMPARAN	27.105529	84.454541	RIVER	HARBORA	WEST CHAMPARAN	26	7.02	7.8	302	47.2	1.3	12	118	120	32	9.7	7	206	184	50	0.3	0.4	19.24	0.2	0.7	4900	2200	NA	NA
24-08-2022	RIVER UNPUN NEAR PUNPUN ROAD BRIDGE, PUNPUN	25.513517	85.292658	RIVER	PUNPUN	PATNA	25	7.29	5.4	220	48.5	2.9	28	120	108	29.6	8.3	24	150	146	54	0.45	0.4	31.99	0.2	0.2	9200	3500	NA	NA
23-08-2022	RIVER GANGA AT ARA- CHAPRA ROAD BRIDGE (KOILWAR BARHARA-CHAPRA ROAD)	25.721891	84.81188	RIVER	GANGA	BHOJPUR/SARAN	29	7.49	7.4	168	601	1.4	12	104	112	24.8	12.1	5	114	528	620	0.3	0.4	36.02	0.2	0.2	490	220	110	14
24-08-2022	RIVER PUNPUN AT KINJAR ROAD BRIDGE, JEHANABAD-ARWAL BORDER, JEHANABAD	25.217822	84.826131	RIVER	PUNPUN	PATNA	26	7.77	5.9	225	40.4	2.5	24	124	108	29.6	8.3	19	152	144	46	0.42	0.4	24.38	0.2	0.2	540000	240000	NA	NA
23-08-2022	RIVER GANGA AT THE BALUGHAT, DORIGANJ, SARAN	25.728923	84.831863	RIVER	GANGA	SARAN	29	7.41	7.3	225	704	1.8	16	112	114	28.8	10.2	18	154	610	716	0.3	0.4	35.57	0.2	0.2	790	490	170	17
24-08-2022	RIVER PUNPUN AT OBRA, AURANGABAD	24.898673	84.375453	RIVER	PUNPUN	AURANGABAD	25	7.68	6.2	197	972	2.6	5	108	102	31.2	5.8	20	134	794	984	0.3	0.4	32.77	0.22	0.8	35000	17000	NA	NA
04-08-2022	RIVER GANGA AT U/S MUNGER KASHATHARNI GHAT	25.382387	86.459558	RIVER	GANGA	MUNGER	29	7.67	6.5	189	938	2	20	108	106	18.4	14.6	13	126	760	944	0.3	0.4	22.15	0.2	0.2	92000	54000	35000	220
17-08-2022	RIVER RAMREKHA AT U/S HARINAGAR, WEST CHAMPARAN	27.161347	84.331514	RIVER	RAMREKHA	WEST CHAMPARAN	26	6.9	4.3	329	8.2	3.1	32	142	144	39.2	11.2	19	224	168	10	0.3	2.4	19.57	0.2	0.2	54000	22000	NA	NA
04-08-2022	RIVER GANGA AT MUNGER D/S, CREAMINATION GHAT	25.3878	86.459352	RIVER	GANGA	MUNGER	29	7.38	6.1	190	928	2	20	112	100	16.8	15.5	16	128	752	932	0.3	0.4	24.27	0.2	0.2	54000	35000	17000	110
04-08-2022	RIVER GANGA AT U/S AJGABINATH MANDIR SULTANGANJ, BHAGALPUR	25.252575	86.725558	RIVER	GANGA	BHAGALPUR	28	7.34	6.6	196	644	2.8	24	110	108	20.8	13.6	12	134	556	648	0.3	0.4	27.07	0.2	0.2	920000	540000	170000	140

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03-08-2022	RIVER GANGA AT WATER INTAKE POINT, BHAGALPUR	25.2696622	87.0152573	RIVER	GANGA	BHAGALPUR	29	7.4	5.5	218	254.5	2.4	28	128	122	23.2	15.5	15	150	290	260	0.3	0.4	27.4	0.2	0.2	540000	350000	240000	40
03-08-2022	RIVER GANGA, JHAJGHAT AT KAHALGAON	25.267334	87.227318	RIVER	GANGA	BHAGALPUR	29	7.64	5.7	211	593	2.5	24	120	116	19.2	16.5	16	144	526	596	0.3	0.4	34.11	0.2	0.2	160000	92000	35000	130
03-08-2022	RIVER GANGA D/S NEAR CREMATION GHAT, KHALGOAN	25.273273	87.235165	RIVER	GANGA	BHAGALPUR	29	7.29	5.2	218	743	3.2	32	110	110	18.4	15.5	16	148	636	748	0.3	0.4	28.3	0.2	0.2	920000	540000	170000	110
04-08-2022	RIVER GANGA AT DIGHA, NEAR J P SETU, PATNA U/S	25.65334	85.094792	RIVER	GANGA	PATNA	29	8.29	6.3	210	600	2.9	28	110	106	20	13.6	18	142	536	612	0.3	0.4	33.11	0.2	0.2	3300	1700	450	40
08-08-2022	RIVER GANGA AT MAA AMBIKA ASTHAN, AAMI, SARAN	25.740235	84.963161	RIVER	GANGA	SARAN	22	7	7.5	170	807	2.1	20	122	120	26.4	13.1	13	116	662	816	0.3	0.4	45.41	0.2	0.2	35000	28000	22000	110
04-08-2022	RIVER GANGA AT TRIVENI GHAT, PATNA	25.515132	85.301372	RIVER	GANGA	PATNA	28	8	6	210	593	3	28	100	104	19.2	13.6	18	142	520	588	0.3	0.4	37.13	0.2	0.2	160000	92000	54000	170
08-08-2022	RIVER GANGA AT ARA- CHAPRA ROAD BRIDGE (KOILWAR BARHARA-CHAPRA ROAD)	25.721891	84.81188	RIVER	GANGA	BHOJIPUR/SARAN	24	7.2	7.7	163	738	2.2	16	104	108	25.6	10.7	6	110	616	746	0.3	0.4	35.68	0.2	0.2	4000	3300	1300	170
08-08-2022	RIVER GANGA AT THE BALUGHAT, DORIGANI, SARAN	25.728923	84.831863	RIVER	GANGA	SARAN	23	7.1	7.3	185	735	2	20	120	116	31.2	9.2	7	126	608	742	0.3	0.4	34.9	0.36	0.2	540000	350000	130000	490
04-08-2022	RIVER GANGA AT KEWALA GHAT,FATUHA, PATNA	25.511611	85.307417	RIVER	GANGA	PATNA	28	8.01	6	201	581	3	28	110	116	22.4	14.6	15	136	510	584	0.3	0.4	33.78	0.2	0.2	24000	7900	4900	40
22-08-2022	RIVER GANGA CHUSA AT BUXAR	25.573508	83.966669	RIVER	GANGA	BUXAR	31	7.37	7.5	230	737	1.7	16	114	120	28	12.1	17	156	632	742	0.3	0.4	34.9	0.2	0.2	2400	1300	330	130
22-08-2022	RIVER GANGA AT BUXAR, RAMREKHAGHAT	25.576142	83.970428	RIVER	GANGA	BUXAR	30	7.22	7.6	227	345.5	2	20	116	120	28	12.1	20	154	352	348	0.3	0.4	41.61	0.2	0.2	1100	330	170	11

22-08-2022	RIVER GANGA AT U/S JAIL GHAT, BUXAR	25.561456	83.949661	RIVER	GANGA	BUXAR	30	7.54	7.1	238	293.5	2	16	110	108	29.6	8.3	17	162	328	290	0.3	0.4	35.46	0.2	0.2	540000	350000	170000	3500
04-08-2022	RIVER GANGA AT GANDHIGHAT, NIT PATNA	25.622179	85.172816	RIVER	GANGA	PATNA	28	7.61	6.5	201	443	2.4	24	118	116	22.4	14.6	18	132	410	446	0.3	0.4	29.64	0.2	0.2	540000	350000	240000	1700
04-08-2022	RIVER GANGA AT KACHCHI-DARGAH-BIDUPUR NEAR ROAD BRIDGE, PATNA	25.548238	85.279377	RIVER	GANGA	PATNA	28	7.7	6.2	236	457	2.8	28	104	110	20	14.6	17	160	440	462	0.3	0.4	36.35	0.2	0.2	28000	22000	4900	93
22-08-2022	RIVER GANGA AT D/S BUXAR NEAR VEER KUNWAR SINGH ROAD BRIDGE	25.588972	83.985861	RIVER	GANGA	BUXAR	30	7.76	7.4	241	518	1.7	16	108	110	28.8	9.2	19	164	484	522	0.3	0.4	38.48	0.2	0.2	330	170	130	4.5
22-08-2022	RIVER GANGA NEAR DANAPUR (NEAR PIPA PUL) ,PATNA	25.657157	85.049409	RIVER	GANGA	PATNA	27	7.23	5.8	227	653	2.9	28	126	128	22.4	17.5	19	154	576	658	0.37	0.4	46.08	0.22	0.2	540000	350000	240000	5400
02-08-2022	RIVER GANGA AT BAKHTIYARPUR-TAJPUR BRIDGE ON GANGA, ATHMALGOLA, PATNA	25.482778	85.627962	RIVER	GANGA	PATNA	NA				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04-08-2022	RIVER GANGA AT GULABI GHAT, PATNA	25.620356	85.179995	RIVER	GANGA	PATNA	28	7.74	6.4	220	472	2.9	28	110	116	24	13.6	17	150	446	478	0.3	0.4	28.86	0.2	0.2	120000	94000	46000	93
22-08-2022	RIVER GANGA AT GANDHIGHAT, NIT PATNA	25.622179	85.172816	RIVER	GANGA	PATNA	28	7.06	5.6	205	673	2.7	28	114	120	20.8	16.5	16	142	584	678	0.3	0.4	44.74	0.26	0.2	92000	35000	17000	9200
02-08-2022	RIVER GANGA AT MOKAMA (U/S), MAHADEO ASTHAN, PATNA	25.401104	85.923198	RIVER	GANGA	PATNA	28	8.01	5.8	247	663	2.7	24	120	122	23.2	15.5	22	166	592	668	0.3	0.4	26.51	0.2	0.2	920000	540000	220000	40
04-08-2022	RIVER GANGA AT PATNA D/S (GANGA BRIDGE), GAIGHAT, PATNA	25.613753	85.204131	RIVER	GANGA	PATNA	29	7.57	6.2	212	620	2.7	28	108	106	20.8	13.1	18	144	546	624	0.3	0.4	28.97	0.2	0.2	92000	35000	3300	93
22-08-2022	RIVER GANGA AT GULABI GHAT, PATNA	25.620356	85.179995	RIVER	GANGA	PATNA	28	7.08	5.5	210	669	2.9	28	116	120	19.2	17.5	17	142	588	676	0.3	0.4	42.06	0.23	0.2	920000	350000	240000	9200

02-08-2022	RIVER GANGA AT MOKAMA (D/S), NEAR RAJENDRA BRIDGE , SIMIRIYA GHAT	25.381441	85.987169	RIVER	GANGA	PATNA	28	7.42	6.2	198	754	2.1	20	124	118	24.8	13.6	12	132	634	760	0.3	0.4	28.63	0.2	0.2	92000	54000	17000	68
22-08-2022	RIVER GANGA AT PATNA D/S (GANGA BRIDGE), GAIGHAT, PATNA	25.613753	85.204131	RIVER	GANGA	PATNA	28	7.24	5.2	255	197	2.9	28	130	138	38.4	10.2	22	174	258	192	0.3	0.4	51	0.35	0.21	540000	350000	110000	330
22-08-2022	RIVER GANGA AT MALSALAMI, PATNA CITY, PATNA	25.557806	85.275648	RIVER	GANGA	PATNA	29	7.18	5.6	210	113	2.6	24	110	112	20	15.1	16	142	188	118	0.3	0.4	46.19	0.24	0.2	92000	54000	22000	1700
22-08-2022	RIVER GANGA AT DIGHA, NEAR J P SETU, PATNA U/S	25.65334	85.094792	RIVER	GANGA	PATNA	27	7.14	5.7	230	600	2.9	28	110	116	24.8	13.1	15	156	544	620	0.3	0.4	52.23	0.31	0.2	160000	92000	22000	2200
22-08-2022	RIVER GANGA AT TRIVENI GHAT, PATNA	25.515132	85.301372	RIVER	GANGA	PATNA	29	7.16	6	205	504	2.4	24	110	112	19.2	15.5	15	140	460	516	0.3	0.4	33.22	0.2	0.2	35000	28000	11000	1700

22-08-2022	RIVER GANGA AT KEWALA GHAT,FATUHA, PATNA	25.511611	85.307417	RIVER	GANGA	PATNA	29	7.26	6.1	220	520	2.5	24	110	116	20	16	13	150	488	524	0.3	0.4	52.79	0.35	0.2	54000	24000	4900	1100
22-08-2022	RIVER GANGA AT KACHCHI-DARGAH-BIDUPUR NEAR ROAD BRIDGE, PATNA	25.548238	85.279377	RIVER	GANGA	PATNA	29	7.45	5.7	180	141	2.5	24	112	116	20	16	14	122	192	146	0.3	0.4	47.09	0.24	0.2	54000	35000	17000	1300
04-08-2022	RIVER GANGA AT MALSALAMI, PATNA CITY, PATNA	25.557806	85.275648	RIVER	GANGA	PATNA	29	7.69	6.3	230	477	2.6	24	112	110	20.8	14.1	18	156	454	484	0.3	0.4	25.17	0.2	0.2	540000	350000	130000	140
16-08-2022	RIVER GANGA AT BAKHTIYARPUR-TAJPUR BRIDGE ON GANGA, ATHMALGOLA, PATNA	25.482778	85.627962	RIVER	GANGA	PATNA	27	7.74	6.8	226	349	2.2	20	104	108	24.8	11.2	11	152	388	384	0.3	0.4	32.21	0.2	0.2	130	33	13	2
16-08-2022	RIVER GANGA AT MOKAMA (U/S), MAHADEO ASTHAN, PATNA	25.401104	85.923198	RIVER	GANGA	PATNA	30	7.79	6.1	229	773	2	20	104	108	24	11.7	13	148	594	688	0.3	0.4	33.33	0.2	0.2	160000	92000	35000	9.3
16-08-2022	RIVER GANGA AT MOKAMA (D/S), NEAR RAJENDRA BRIDGE , SIMIRIYA GHAT	25.381441	85.987169	RIVER	GANGA	PATNA	31	7.96	6.2	207	259	2	20	116	122	24	15.1	7	128	314	308	0.3	0.4	42.28	0.2	0.2	160000	92000	28000	9.3
16-08-2022	RIVER GANGA AT UMA NATH MANDIR,BARH	25.487275	85.705236	RIVER	GANGA	PATNA	28	7.68	6.6	217	624	2.1	20	118	122	31.2	10.7	15	144	512	576	0.3	0.4	35.68	0.2	0.2	160000	92000	24000	7.8
16-08-2022	RIVER GANGA U/S OF M/S NTPC, BARH WATER INTAKE POINT, BARH	25.49475	85.714068	RIVER	GANGA	PATNA	28	7.7	6.3	243	299	2.5	24	122	130	26.4	15.5	11	162	340	322	0.3	0.4	33.67	0.2	0.2	24000	13000	3400	2
16-08-2022	RIVER GANGA D/S OF M/S NTPC, BARH WATER INTAKE POINT,PATHANICHAK, BINDTOLA BARH	25.487987	85.821429	RIVER	GANGA	PATNA	29	7.88	5.9	254	426	2.5	24	116	122	30.4	11.2	12	170	450	454	0.32	0.4	36.24	0.2	0.2	35000	24000	13000	6.8
16-08-2022	RIVER GANGA AT BARAHIYA, NEPALITOLA, MARANCHI, HATHIDAH AT MOKAMA, PATNA	25.315313	86.029821	RIVER	GANGA	MUZAFFARPUR	30	8.03	5.7	214	968	2.5	24	118	124	24	15.5	10	136	698	862	0.3	0.4	36.57	0.2	0.2	17000	13000	2700	6.8

Annexure – 7



105 **BAMETI, Bihar, Patna**

अधीक्षण अभियंता का कार्यालय
योजना एवं मोनिटरिंग अंचल-4
जल संसाधन विभाग, सिंचाई भवन, पटना।

प्रेषक,

अधीक्षण अभियंता
योजना एवं मोनिटरिंग अंचल-4
जल संसाधन विभाग, पटना।

सेवा मे,

सदस्य सचिव,
बिहार राज्य प्रदूषण नियंत्रण पर्षद
परिवेश भवन, पाटलिपुत्र औद्योगिक क्षेत्र
पो०-सदाकत आश्रम, पटना-800010
ई-मेल:-msbspbcb-bih@gov.in

पटना, दिनांक- 07-11-2022

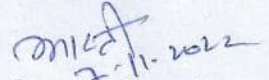
विषय:- माननीय NGT, नई दिल्ली में दायर OA.No.-673/2018 में दिनांक-20.09.2018 को पारित आदेश में बिहार राज्य अंतर्गत चिन्हित दूषित नदियों के जलश्राव आँकड़ों के संबंध में।

महाशय,

उपर्युक्त विषयक Bihar River Rejuvenation Committee की दिनांक-03.10.2019 को संपन्न चौथी बैठक में दिए गये निदेश के आलोक में गंगा नदी को छोड़कर शेष-05 नदियों यथा सिरसिया, रामरेखा, परमान, पुनपुन एवं हराबौरा नदी के प्रदूषित भाग के Entry एवं Exit बिन्दुओं पर दिनांक-16.10.2022 से दिनांक-31.10.2022 अवधि के पाक्षिक जलश्राव आँकड़े आवश्यक कार्रवाई हेतु उपलब्ध कराए जा रहे हैं।

अनु०:-यथोक्त।

विश्वासभाजन


(आरती सिन्हा)

अधीक्षण अभियंता
योजना एवं मोनिटरिंग अंचल-4

Discharge Report of Parman River From 16.10.2022 to 31.10.2022				
Sl. No.	Date	Discharge of Jogbani Entry Point	Discharge of Jogbani Exit Point	Remarks
1	16.10.2022	14.29	37.15	
2	17.10.2022	11.43	35.86	
3	18.10.2022	10.78	34.58	
4	19.10.2022	10.11	31.34	
5	20.10.2022	9.52	30.35	
6	21.10.2022	10.11	31.89	
7	22.10.2022	9.52	30.35	
8	23.10.2022	8.92	27.68	
9	24.10.2022	8.68	26.82	
10	25.10.2022	8.64	25.86	
11	26.10.2022	8.92	28.31	
12	27.10.2022	8.64	25.86	
13	28.10.2022	8.56	23.95	
14	29.10.2022	7.85	22.10	
15	30.10.2022	8.56	24.39	
16	31.10.2022	9.18	29.31	

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J.E.

Hydrology Subdivision
Birpur

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02/11/2022
A.E.

Hydrology Subdivision
Mo Birpur

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02/11/22
E.E.

Hydrology division-1
Patna

Discharge Report of Sirsiya River From 16.10.2022 to 31.10.2022				
Sl. No.	Date	Discharge of Raxaul Entry Point	Discharge of Raxaul Exit Point	Remarks
1	16.10.2022	5.02	7.25	
2	17.10.2022	4.73	6.72	
3	18.10.2022	4.17	5.26	
4	19.10.2022	4.42	6.14	
5	20.10.2022	4.22	5.90	
6	21.10.2022	3.76	5.12	
7	22.10.2022	3.63	4.90	
8	23.10.2022	3.41	4.57	
9	24.10.2022	3.30	4.40	
10	25.10.2022	2.81	3.72	
11	26.10.2022	3.85	5.28	
12	27.10.2022	4.17	5.76	
13	28.10.2022	4.03	5.55	
14	29.10.2022	3.81	5.28	
15	30.10.2022	3.99	5.49	
16	31.10.2022	4.17	5.85	

Shishu
02/11/22

J.E.

Hydrology Subdivision
Motihari

Shay Kumar
02/11/2022

A.E.

Hydrology Subdivision
Motihari

Shay Kumar
02/11/22

E.E.

Hydrology division-1
Anishabad Patna

Discharge Report of Harbaura River From 16.10.2022 to 31.10.2022				
Sl. No.	Date	Discharge of Narkatiaganj Entry Point	Discharge of Narkatiaganj Exit Point	Remarks
1	16.10.2022	12.43	51.21	
2	17.10.2022	11.15	47.76	
3	18.10.2022	10.13	44.10	
4	19.10.2022	9.21	46.07	
5	20.10.2022	11.31	52.33	
6	21.10.2022	10.46	51.81	
7	22.10.2022	10.51	45.47	
8	23.10.2022	9.34	42.23	
9	24.10.2022	8.30	38.38	
10	25.10.2022	7.46	34.51	
11	26.10.2022	6.98	34.28	
12	27.10.2022	7.27	38.38	
13	28.10.2022	10.67	42.71	
14	29.10.2022	9.63	41.45	
15	30.10.2022	8.05	34.15	
16	31.10.2022	7.60	36.76	

Abhishek
02/11/22

J.E.

Hydrology Subdivision
Motihari

Deep Kumar
02/11/22

A.E.

Hydrology Subdivision
Motihari

Ajay Kumar
02/11/22

E.E.

Hydrology division-1
Anishabad Patna

Discharge Report of Ramrekha River From 16.10.2022 to 31.10.2022

Sl. No.	Date	Discharge of Ramnagar Entry Point	Discharge of Ramnagar Exit Point	Remarks
1	16.10.2022	1.35	1.84	
2	17.10.2022	1.26	1.72	
3	18.10.2022	1.23	1.59	
4	19.10.2022	1.20	1.46	
5	20.10.2022	1.16	1.37	
6	21.10.2022	1.20	1.42	
7	22.10.2022	1.15	1.32	
8	23.10.2022	1.11	1.22	
9	24.10.2022	1.20	1.37	
10	25.10.2022	1.15	1.25	
11	26.10.2022	1.10	1.19	
12	27.10.2022	1.02	1.06	
13	28.10.2022	1.10	1.17	
14	29.10.2022	1.07	1.12	
15	30.10.2022	0.99	1.04	
16	31.10.2022	1.03	1.15	

H. K. Singh
02/11/22
J.E.

Hydrology
Subdivision
Motihari

J. K. Kumar
02/11/2022
A.E. Hydrology Sub
division Motihari

A. K. Jaisankar
02/11/22
E.E.

Hydrology division-1
Anishabad Patna

Discharge Report of Punpun River at Gaurichak (Entry Point) and Fatuah (Exit Point) from 16.10.22 to 31.10.22

Sl.No.	Date	Discharge of Gaurichak Entry Point (m ³ /sec)	Discharge of Fatuah Exit Point (m ³ /sec)	Remarks
1	16.10.2022	No Current	No Current	1. At Fatauh Exit Point gauge site portion is covered with still floating water plants. No flow of water observed. 2. At Gaurichak Entry point discharge obstructed due to ongoing construction of Bridge at gauge site.
2	17.10.2022	No Current	No Current	
3	18.10.2022	160.188	180.357	
4	19.10.2022	142.754	188.692	
5	20.10.2022	132.739	177.736	
6	21.10.2022	110.460	165.013	
7	22.10.2022	101.603	147.457	
8	23.10.2022	93.835	137.545	
9	24.10.2022	88.625	128.993	
10	25.10.2022	85.974	120.441	
11	26.10.2022	78.048	112.614	
12	27.10.2022	79.650	105.694	
13	28.10.2022	71.638	100.966	
14	29.10.2022	65.737	95.482	
15	30.10.2022	61.529	89.543	
16	31.10.2022	56.596	84.461	

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S.D.O. 2/11/2022

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E.E. 02/11/2022
Hydrology Division-2
Anisabad, Patna