



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. 3009

Patna, dated- 14/09/22

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 August, 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 August, 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.

Patna, dated-

Memo No.

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.

Patna, dated-

Memo No.

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

Sd/-

(S. Chandrasekar)
Member Secretary.

Patna, dated-

Memo No.

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

Digitally signed by

S.

Chandrasekar

S. Chandrasekar

(S. Chandrasekar)

Date: 2022.09.14

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

For the State of 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: **Stopped due to rainy season.**
- Gap in Treatment Capacity in MLD: **1100 – 30 treatment through STPs = 1070 MLD.**
- No. of Operational STPs: **06. (On trial – 03)**
- No. of Complying STPs: **03.**
- No. of Non-complying STPs: **00.**
- **07 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				

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 (%)	Increment al Physical Progress in last 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	0.4	31.10.2022
2.	Saidpur Sewage Network	86.31	89.5	91.7	94.6	98.2	98.5	98.5	99.1	0.6	31.10.2022
3.	Karmali Chak	84.8	86.52	87.23	89.03	91.22	93.20	94.04	94.75	0.71	31.03.2022

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 (%)	Incremental Physical Progress in last month (%)	Revised Timeline (as per BUIDCo)
	Sewage Network										
4.	Phari Zone V Sewage Network	60.36	63.93	75.72	80.44	90.92	92.99	94.03	95.23	1.2	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	0.38	30.09.2022
6.	Sonepur I&D and STP	96	96.5	96.5	97	97	97.6	98.70	99.9	1.2	31.12.2021
7.	Mokama I&D and STP	88.5	89	89	89.5	90.5	91	91	91	No physical progress	30.09.2022
8.	Baktiyarpur I&D and STP	38.5	42.55	42.55	57.5	68.5	71.5	71.95	77.5	5.55	31.10.2022
9.	Maner I&D and STP	3	17.5	17.5	30.14	35.15	38.85	39.85	41.3	1.45	--
10.	Digha Zone STP & Sewer Network	4.6	5.10	6.26	6.85	8.77	9.13	10.35	10.53	0.18	30.04.2023
11.	Kankarbagh Zone STP & Sewer Network	1.8	--	--	3.54	3.54	4.75	7.69	7.69	No physical progress	30.04.2023
12.	Begusarai STP & STP Network	46	46.5	47.5	49.3	54.2	58.8	62.2	65.8	3.6	31.03.2023
13.	Chhapra I&D and STP	69	71	73	74.3	76.5	78	80.2	83.2	3.0	16.11.2022
14.	Hajipur STP & STP Network	12.7	24.13	32.98	42.5	58.79	62.99	64	67.35	3.35	02.07.2023
15.	Fatua I&D and STP	--	--	--	--	--	--	--	10	10.0	23.11.2022
16.	Danapur I&D and STP	10	17.4	20.22	22.25	52.7	54.40	58	60	2.0	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 (%)	Incremental Physical Progress in last month (%)	Revised Timeline (as per BUIDCo)
17.	Phoolwarisarif I&D and STP	--	--	--	--	15.7	17	35	35	No physical progress	23.11.2022
18.	Bhagalpur I&D and STP	--	--	--	--	--	--	4.51	4.58	0.07	06.11.2023
19.	Munger I&D and STP	5	9	19	21	27	30.80	33.15	39.15	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	Baghmati River	60.01	I&D Works and STP Darbhanga	DPR has been submitted to NMCG on

				04.07.2022
13	Mahananda River	102.22	I&D Works and STP Kishanganj	DPR prepared by consultant and 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), biomethanation, 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 due to 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 DoEF&CC, GoB. to review compliances of the directions of the Hon'ble NGT in different OA no.

- 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, 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 1& 05-09-2022 rd

Sr. No.	Status	Location	Project Name	STP Capacity (in MLD)	Sewer Network (in Km.)	Sanctioned Cost (Crore) Gol/GoB	Date of Sanction/ Date of AA&ES issue Gol/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
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>Volta & GAA (JV)</u> 31-03-17	<u>05/10/2019</u> <u>31.12.2019</u>	—	O&M work in progress.	Inlet Data MAY 2022 :- Inlet flow - 6.66MLD Outlet flow - 6.4 MLD Outlet BOD - 7 mg/l Outlet COD - 23 mg/l Physical Progress - 100%, Financial Progress - (60.30 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>188.185 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>Volta & GAA(JV)</u> 31-03-17	<u>05/10/2019</u> <u>31/03/2021</u>	—	O&M work in progress. Retaining Wall - Sand filling and Brick soling work are in progress.	Inlet Data June :- Inlet flow - 23.64 MLD Outlet flow - 23.37 MLD Outlet BOD - 6.52 mg/l Outlet COD - 38.0 mg/l Physical Progress-100%, Financial Progress- (57.34 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 - (203.84 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 Wabag</u> 09/05/2018	<u>09.11.20</u> <u>(EOT requested till Oct 2022)</u>	—	Completed	Completed Physical Progress - 100%, Financial Progress - (94.08 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 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		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> 22/10/2018	<u>21.04.20</u> <u>EOT to be requested.</u>	—	Completed	Completed. Physical Progress - 100 % Financial Progress - (29.28 Cr.)
1	Ongoing Project	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> <u>(EOT requested till Oct 2022)</u>	<u>6190</u> 28118	Pipe Laying - 90 m Tapping of Existing Network - 2.05 Km Manhole - 8 Nos Property Chamber - 98 Nos Road Restoration - 50 m (including Trenchless & DI pipe) DI Rising Main - 50 m House Connection- 390 Nos Ambedkar Colony SPS completed & commissioned. Bazar Samiti SPS completed & commissioned. Exhibition Road SPS completed & commissioned.	Pipe Laying - 116.65 km Tapping of Existing Network - 12.16 Km Manhole - 4164 Nos Property Chamber - 2660 Nos Road Restoration - 122.53 Km (including Trenchless & DI pipe) DI Rising Main - 6 Km House Connection- 6190 Nos Ambedkar Colony SPS completed & commissioned. Bazar Samiti SPS completed & commissioned. Exhibition Road SPS completed & commissioned. Physical Progress - 99.10%, Financial Progress - (432.61 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> <u>(EOT requested till Oct 2022)</u>	<u>8249</u> 15000	Sewerage Network completed - 0.8 Km Manhole completed - 83 nos. Road Restoration completed - 0.4 Km House Connection Pit completed- 103 nos	Sewerage Network completed - 158 Km Manhole completed - 6367 nos. Road Restoration completed - 158 Km House Connection Pit completed- 8230 nos
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 Wabag</u> 11/05/2018	<u>20.05.21</u> <u>(EOT requested till Oct 2022)</u>	<u>30796</u> 38168	Sewer Network - 0.439Km Manhole - 23 Nos House Connection Pit - 35 Nos House Connection - 256 Nos SPS - Concreting of 10th Lift done. 10th lift sinking in progress.	Sewer Network - 92.836 Km Manhole - 3412 nos Direct connection / House connection pit - 25624 nos Road Restoration 90.097 Km (Total 78.455 Km road restored in all respect and 11.62 Km comes in trenchless method) House Connection 30796 Nos SPS 01 No - wet well 68.50% completed. Concreting of 10th Lift done. Physical Progress - 94.75%, Financial Progress - (306.44 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 Pallonji</u> 25/04/2018	<u>24.04.21</u> <u>(EOT requested till Oct 2022)</u>	<u>12923</u> 22855	1.Sewer Network - 1.253 Km. 2.Tapping Work - 2.092 Km 3.Manhole- 78 Nos. 4.Property Chamber- 323 Nos. 5.Road Restoration- 2.65 Km. 6.House Connection- 520 Nos. 7.SPS-Civil Work Under Progress	1.Sewer Network - 99.328 Km. 2.Tapping Work - 2.092 Km 3.Manhole- 2805 Nos. 4.Property Chamber- 10958 Nos. 5.Road Restoration-98.63 Km. 6.House Connection- 12923 Nos. 7.SPS-Civil Work Under Progress Physical Progress - 95.23%, Financial Progress - (220.59 Cr.)

5	Ongoing Project	Naugachhia	I&D works and STP at Naugachhia	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-3% 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	#NAME?	Physical Progress - 99.70 % Financial Progress - (30.34 Cr.)
6		Sonepur	I&D and STP at Sonepur	3.5	3.6	30.93	14/09/2018	11-19	29.35 Cr. (C Cost- 14.20 Cr. And O&M- 15.16 Cr.)	S.G.Const & S.N.Enviro 04/06/2019	15.02.21 (EOT granted till Aug22)	1. Admin /staff Building completed. 2. Panel Room completed. 3. Clear water tank completed 4. UV chamber completed 5. SBR Civil work completed 6. Wet well completed 5. Grit Chamber Completed 8. Airblower Shed completed. 9. Sludge Holding Tank completed. 10. Pipe laying of 215 Mtrs done. 11. Manohole completed - 4 Nos. 12. Laying of Effluent Channel completed. 13. Trial run running is in progress.	1. Admin /staff Building completed. 2. Panel Room completed. 3. Clear water tank completed 4. UV chamber completed 5. SBR Civil work completed 6. Wet well completed 5. Grit Chamber Completed 8. Airblower Shed completed. 9. Sludge Holding Tank completed. 10. Pipe laying complete (5620 Mtrs out of 5620 Mtrs) 11. Manholes completed - 178 Nos 12. Laying of Effluent Channel completed. 13. Trial run running is in progress.	Physical Progress - 99.90 % Financial Progress - (18.86 Cr.)
7		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- 37.765 Cr. And O&M- 21.407 Cr.)	EMS Singh 15/06/2019	15.12.20 30.09.22	#NAME?	#NAME?	Physical Progress-91 % Financial Progress : (31.35 Cr.)

8	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	26.09.20 (EOT requested till Oct 2022)	Boundary wall - 0% SBR & CCT - 6.50% Admin cum Panel Building cum Staff Quater's - Complete. MPS & inlet chamber - 4.00%, Sludge Holding Tank - 10% Grit Chamber 5.50% IPS1/Pumping station 1.20% IPS2/Pumping station 0.90% Sewer Network 0.000KM	Boundary Wall Complete. MPS & inlet chamber - 94.00% Grit Chamber 83.00% IPS1/Pumping station 34.91% IPS2/Pumping station 34.37% Admin cum Panel Building cum Staff Quater's - Complete. Physical Progress- 77.50% SBR & CCT - 92.00% Complete. Sludge Holding Tank - 87.50% IPS1/Pumping station 34.91% Sewer Network 1.430KM Financial Progress - (22.08 Cr.)
9	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 (JV) 27/09/2019	26.09.20 (EOT requested till 02.08.2022)	1) Boundry wall-.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-93.20% 3)SBR tank-73.30% 4)CCT-88.10% 5)Sludge Holding Tank-80.10% 6)Chlorination Room-70% 7)Grit Chamer-71.08 % 8)Fdn for DG & transformer- 91.15% Physical Progress- 41.30% Financial Progress - (11.66 Cr.)
10	Digha-Zone	STP & Sewer Network	100	288	824	08-11-2017	15-05-18	1187.86 Cr.	VA Tech Wabag 30/12/2019	Apr-23	Netowk Progress: 1. Sewer Line Laid-0.085 Km 2. Manhole-78 Nos. 3. Road Restoration-0.142 Km 4. HSC-0 Rm 5. Flow test- 0.12 Km 6. SPS A: Cleaning of area done. Cutting edge fabrication under progress. 1. SPS B: Shutting up to 1st Lift done 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-70.304 Km 2. Manhole-1923 Nos. 3. Road Restoration-61.466 Km 4. HSC- 8606 Rm 5. Flow Test- 17.606 Km 6. SPS A: Cleaning done. Cutting edge fabrication under progress 7. SPSB: Shutting upto 1st lift done STP Progress: 1. Engineering Drawing 5.76% achieved 2. Site office Establishment 65% completed. 3. Land development in 67% Completed. 4. Achived 55 Nos. of Pile at Digester A&B -Digha, work under progress. Phycial progress- 10.53% Financial Progress:- 145.37 Cr.
11	Kankarbagh-Zone	STP & Sewer Network	50	150	578.89	08-11-2017	15-05-18		VA Tech Wabag 30/12/2019	Apr-23	Netowk Progress: 1. Sewer line laid-0.016 Km 2. Manhole -161 Nos. 3. Road Restoration- 0.00Km 4. HSC- 0 Rm 5. Flow Test- 1.400 Km STP Progress: 1. Land Development 50% completed 2. Piling work- 52 Nos at Aeration Tank, 1 No. at Digester & 27 Nos. at Secondary Clarifier	Netowk Progress: 1. Sewer line laid-35.077 Km 2. Manhole - 981 Nos. 3. Road Restoration- 34.934 Km 4. HSC- 22 Rm 5. Flow test -13.495 km STP Progress: 1. Engineering Progress achieved 5.67% 2. Site office Establishment done 100% 3. Land Development 50% completed 4. Piling work- 52 Nos at Aeration Tank, 1 No. at Digester & 27 Nos. at Secondary Clarifier. Phycial progress- 5.98% Financial Progress:- 18.78 Cr.
12	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 -0.471 Km 2. Manholes -41 Nos 3. Inspection Chamber - 236 Nos 4. Road Restoration - 0.220 Km "This Month progress Civil works- MPS-RCC- 0., SBR Tank-RCC- 22.5 cum.(2.5%) Grit chamber-RCC-2.23 cum.(0.6%) Air Blower-RCC-0.93cum., Staff Qtr.-A-RCC-0 cum.(0%) Staff Qtr.-B-RCC-0 cum., HT Meter Room-RCC- 0 CCT-PCCRCC-0 cum.(0%) Admin Building-RCC-0 cum.(0%) Sludge sump- PCC-30.24 cum.(16.5%) Sludge Dewatering Building/Centratesump- 5 cum (6%) "IPS 1- RCC- 10.03 Cum., Sinking of the wet well-5.0 meter, IPS- 2A- RCC-26.0 Cum." "	1. Pipe Laying -74.715 Km 2. Manholes -3111 Nos 3. Inspection Chamber - 8712 Nos 4. Road Restoration - 74.491KM Additional restoration done for old existing network" "Updated progress Civil works- MPS-26.2% SBR-86.94% Grit chamber-74.33% Air blower- 51.69% Staff qtr.-A- 53.63 % Staff qtr.-B- 80.14 % HT meter room-67.23% Admin Bldg- 24.22% CCT-PCCRCC-40 cum.(7.66%) Sludge Sump-19.2% Sludge Dewatering Building/Centratesump- 44.02% E&M Works- Procurement-100% Installation-0% "6. IPS 1- 41.04% IPS 2 - (17.24%) Wet well Wall completed up to 2nd lift above curb wall and Sinking-3.0 meter from NGL E&M Works: Procurement-70% Installation-0% Rising Main Network completed = 0.980 KM" Physical Progress - 65.1 % Financial Progress – 152.26 Cr.
13	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 (2.50%) 2. Screen Chamber Slab Casting completed and Grit Chamber Slab casting Completed and side wall casting work in progress- 6.25% 3.Sludge Dewatering Building column work is in progress, Sludge Sump,Feed pump house and centrifuge building 1st slab work in progress -0.9% 4.Substation, MCC Room - 10% 5. SBR,Equalisation Tank & Was Sump Raft is completed and wall 3rd,4th lift and walkway RCC work is in progress 1% 6. CCT - 3% 7.Air Blower Room - 1st floor slab work is completed and second floor column work ,staircase work completed and brick work in progress (2%) 8. Admin Cum Lab Building - No work 9. Staff Quarter brick work and plaster work is in progress (0.1%) 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 - No Work 14. IPS/Pumping station IPS B - (37.00%) 16. Network (I&D) - Laying work= 00 m (0.0%) manhole - 00(00%) 17. Road Restoration (I&D Network) - No Work 18. Electro-Mechanical Equipments for STP - Pipe,decanator 2 nos.and blower erection work is in progress (1%) 19. Electro-Mechanical IPS-03 & IPS-04 work in progress - No Work.	1. Main Pumping Station - Screen Chamber work is in progress- (87.00%) 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 and side wall casting work in progress (75%) 3.Sludge Dewatering Building column RCC work is in progress, Sludge Sump,feed pump house Completed and centrifuge building 1st slab work in progress (60%) 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 (64.85%) 5. SBR, Equalisation Tank & Was Sump Raft is completed and wall 3rd ,4th lift and walkway RCC work is in progress (90.6%) 6. CCT 5th lift Wall completed and Chlorination building 1st slab completed and column work is in progress (85.86%) 7. Air Blower Room - 1st floor slab work is completed and second floor column work staircase work completed and brick work in progress (69.1%) 8. Admin Cum Lab Building - RCC Column work up to plinth level and FFL slab rcc work is completed and column work is in progress (42%) 9. Staff Quarter brick work and plaster work is in progress (90.96%) 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 - No Work 14. IPS/Pumping station IPS B - (74.30%) 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) - 6.949 KM road restoration is completed 18. Electro-Mechanical Equipments for STP - Pipe,Decanator 2nos and blower Erection work is in progress (26.1%) 19. Electro-Mechanical Equipments for MPS&IPS - (90.5%) IPS-03 & IPS-04 work in progress. Physical Progress - 83.2 % Financial Progrss - 80.59 Cr.
14	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 - 10. % Financial Progrss - 0.61 Cr.

15	Ongoing Project	Danapur	I&D and STP	25	—	103.27	02-08-2019	06-19	<u>176.19 Cr.</u> 12.11.2020 (EOT requested till 22.11.2022)	Bhugan Infracon & Enviro Infra Eng. Ltd. (JV) 23.11.2020	23.11.2022		7) Stilling chamber with screen channels- 10% 8) Grit chamber with Parshall flume- 10%	STP - 1) Admin Building-90% 3) CCT-90% 5) Security Cabin-90% 7) Stilling chamber with screen channels-30% 8) Grit chamber with Parshall flume-35% Physical Progress - 60% 2) SBR Basin-60% 4) Chlorination Building-90% 6) Supply of DI Pipe-830.50M 9) Sludge House-90% Financial Progress - 20.06 Cr.
16		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 - 35% 2) SBR Basin- 25% 4) Grit chamber-15% 6) Sludge House- 5% Financial Progress - 2.62 Cr.
17		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 Manhole - 31 "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	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-67.35% 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:- 149.30 cr.
18		Bhagalpur	I&D works and STP at Bhagalpur	65	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. Pile Work For FCR Tank. Total 81 Nos Completed As on 31th Aug 22 2. Security Cabin:- Slab Casted and brick work in Progress. 3. Staff Quarter type-I:- 1st lift Column casted 4. IPS-10 Rising Main of pipe laying 545m completed As on date 31th August 5. IPS-09 Rising Main of Pipe laying 710m completed as on date 31th August Physical Progress:- 0.07 cr.	1. Pile Work For FCR Tank . Total 81 Nos Completed As on 31th Aug 22 2. Security Cabin:- Slab casted and brick work in Progress. 3. Staff Quarter type-I:- 1st lift Column casted 4. IPS-10 Rising Main of pipe laying 545.0 Mtr completed As on date 31th August 5. IPS-09 Rising Main of Pipe laying 710.0 Mtr completed as on date 31th August. Physical Progress-4.58% Financial Progress:- 0.07 cr.
19		Munger	STP & Sewer Network	30	165.73	294.02	03-05-2018	—	—	04.10.2021	17.10.2023	802 15200	(a) Pile casting work completed and pile cap pcc work is in progress in SBR tank. (6%) (b) Pile casting work completed in CCT - (20%) , Admin Building , Grit Chamber layout work is completed. (c) Labor hutment work is in progress. (d) Revised STP layout vetted copy received from IIT Kanpur for vetting . (e) Other Civil drawings of STP forwarded to IIT Kanpur for vetting . Villagers and local public created issue in possession of site because of private land near boundary of allotted land. Follow up with CO Sadar officials for resolving this issue. Layout work completed. Trenchless of Main trunk sewer is being initiated under campus due to site restrictions. After completion of Trenchless work , wet well work would be initiated soon. Cutting edge fixing and curv concreting work is completed (15%) Vetted BEP of Goyenka Sadan received from IIT Kanpur and submitted to BUIDCo office Munger for forwarding to BUIDCo(HQ) for final approval. Wet well 4th lift wall concreting work is completed (30%) 5 Zones network design/drawing approved from BUIDCo (HQ). With respect to design, drawing , sewerage Network laying work is being executed along with other components. Network laid length - 8.123 km	(a) Site establishment completed. (b) Labour hutment is in progress. (c) Other structures design/drawing vetting is in progress. (d) Pile casting work is completed /pile cap work is in progress in SBR Tank -(27%) (e) Pile casting work completed in CCT - (25%) , Admin Building , Grit Chamber Layout work is done. 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. Site establishment completed along with Trenchless work . wet well work would be initiated soon. Cutting edge fixing and curv concreting work is completed (15%) . Vetted BEP of Basanti Talab IPS received from IIT Kanpur and submitted to BUIDCo office Munger for forwarding to BUIDCo(HQ) for final approval. Layout at IPS site done . Vetted BEP of Goyenka Sadan received from IIT Kanpur and submitted to BUIDCo office Munger for forwarding to BUIDCo(HQ) for final approval. Site topography is low ground profile .Work shall be started after Monsoon. Cutting edge has been installed as well as 4th lift wall of well has been casted. Work is in progress in same location.(35%) 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 - 73.123 km Work completed.
1	Tendered Project	Khagaria	I&D and STP	4.5	—	21	24/12/2018	07-19	—	—			—	Tender cancel as per NMCG direction.
2		Barahiya	I&D and STP	6		27	30.12.2019	—	—	—			—	Financial bid or uz technically qualified bidder was opened on 24.03.2022 LI Bidder rate is found 51.16% above the estimate cost. Letter has been sent to SPMG on 31.03.2022 to take decision. NMCG letter has been received on 24.08.2022.NMCG has directed to revised the estimate on current SOR and take necessary process for retender
3		Kahalgaon	I&D and STP	6		25.77	30.12.2019	—	—	—			—	As per direction of NMCG, Estimate on current SOR has been sent to NMCG for approval on 14.07.22.
4		Buxar	STP & Sewer Network	16	95	74.95 164.23(R)	31/12/2019	—	—	—			—	Letter sent to SPMG on 19.07.22 to consider this project in NGP-2.NMCG letter has been received on 16.08.2022 and directed to prepare the estimate on current SOR and send to NMCG for approval.
5		Dehri	I&D and STP	22		63.89	01-12-2021	—	—	—			—	3 bids have been received till the last date of bid receiving that is 29.06.2022. Bid evaluation is in process.
1	Ongoing Project	Patna	River Front Development of Patna	20 Ghat	6.6 Km	243.27 336.73 (Revd)	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 PMC, Patna for Operation and Maintenance. Physical Progress-93%. Financial progress- (316.45 Cr.) Sidhi Ghat - 87 % Chandwara Ghat (Ashram Ghat) - 97 %
2		Muzaffarpur	Development works of Ghats	3 Ghats		10.77	03-07-2019				06.01.2022		1) Sidhi Ghat - 87 % 2) Chandwara Ghat (Ashram Ghat) - 97 %	
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.	

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1	Tender to be floated	Gopalganj	Development works of Crematoria	1 Crematoria		3.45	06-05-2020							_____	No bids has 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			97.33 STP 26Ghat 1	1747.92 KM	5922.83 6279.73					100818 131601			_____	dqy v ru O;; %& 3072-48 djksM+A	

1- iVuk xaxk unh rV fodkl ifj;kstuk Qst&2 ds rgr ukStj ?kkV ls uwjiqj ?kkV ds chp 27 ?kkV] 06 fd-eh- izksfeukM lfgr vU; lajpukvksa gsrq 218-00 djksM+ dk izLrkoA

1	Total Sanctioned cost of Sewerage Project (for Patna) -	3237.69 (GOI) 3594.59 (GOB)	House Connectio n up to date on 31.08.22		
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	3072.48 crore (31.08.2022)			

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	Baghmatti River	60.01	I&D Works and STP Darbhanga	DPR has been submitted to NMCG on 04.07.2022
13	Mahananda River	102.22	I&D Works and STP Kishanganj	DPR prepared by consultant and 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.
Total		647.116		

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. <i>Annexure - 1</i>	(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 <i>Annexure – 2</i> & Detail Report as <i>Annexure – 3</i> .	(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) (<i>Annexure- 4</i>) and 1043 dt. 11.12.2018 (Rural Area)(<i>Annexure – 5</i>). 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(<i>Annexure- 6</i>).	(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 <i>Annexure – 7</i> . The 6 th Meeting of SLAC was held on 28.01.2022 (<i>Annexure – 8</i>). The State Level Special Task Force Notified by Notification No.- 816 dt. 27.09.2021, <i>Annexure – 9</i>	(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	
	P.H.E.D., GOVERNMENT OF BIHAR	Issue No.:410	
	TEST REPORT	Issue Date: 28.07.2022	

Report No:SLWTL/2022/GW-13365-13378 URL No.-TC575222000000410P Date of Reporting: 28.07.2022

Name of the Organisation/Person: Departmental

Location Details: Patna, District (River Name: Ganga)

Ref.Memo No: Nil Sample Received on: 09.07.2022

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: 30.06.2022 to 03.07.2022

Date of Analysis Started: 25.07.2022 Date of Analysis Completed: 28.07.2022

Remarks: These (SI No-05, 07, 09, 10) 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	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	0.002	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/04	Kali Asthan	25.470968	85.496359	7.94	<4.0	889.90	578	364	78.55	40.82	67.96	158	0.14	4.03	31.70	0.21	<0.002	<0.01	Absent	
2	Bakhtiyarpur	Hardaspur	Hardaspur	Hardaspur/03	Mukesh Kumar	25.486553	85.449496	7.91	<4.0	863.60	560	348	73.75	39.85	73.96	352	0.17	7.17	21.60	0.10	0.004	<0.01	Absent	
3	Bakhtiyarpur	Rupas Mahajee	Maruaahi	Maruaahi/09	Raja Singh	25.21284	85.476112	7.85	<4.0	1014.00	658	412	88.17	46.65	115.94	366	0.92	7.80	19.10	0.05	<0.002	<0.01	Absent	
4	Barh	Sarkati	Sarkati	Sarkati/12	Bharat Paswan	25.392174	85.734212	7.96	<4.0	570.60	370	196	36.87	25.27	27.98	304	0.21	<1.0	7.80	0.16	0.002	<0.01	Absent	
5	Belchhi	Andauli	Darveshpur	Darveshpur/06	High School	25.355159	85.719203	7.87	<4.0	566.90	368	192	41.68	21.38	23.98	350	1.87	<1.0	9.60	0.18	0.004	<0.01	Absent	
6	Barh	Ekdanga	Ekdanga	Ekdanga/04	Karu Ram	25.393366	85.707517	7.98	<4.0	863.10	560	348	78.55	36.93	125.93	344	0.45	3.42	13.70	0.12	0.005	<0.01	Absent	
7	Barh	Ibrahimpur	Malahi	Malahi/15	Kali Mandir	25.461716	85.686803	7.83	<4.0	1096.00	712	452	96.19	51.51	69.96	446	2.29	6.20	16.10	0.11	0.003	<0.01	Absent	
8	Pandarak	Ajgra Bakma	Bakma	Bakma/06	Ramjanam Singh	25.362741	85.792918	7.89	<4.0	666.40	432	256	54.51	29.16	29.98	340	0.41	<1.0	11.50	0.26	0.002	<0.01	Absent	
9	Pandarak	Ajgra Bakma	Bakma	Bakma/08	Sanket Bihari Singh	25.362960	85.790114	7.21	<4.0	778.20	506	312	65.73	35.96	63.96	350	1.94	<1.0	19.50	0.24	<0.002	<0.01	Absent	
10	Pandarak	Ajgra Bakma	Bakma	Chakrahim/04	Sabal Kumar Singh	25.376815	85.793595	7.97	<4.0	567.60	368	192	41.68	21.38	33.98	324	2.39	<1.0	8.10	0.19	0.004	<0.01	Absent	
11	Pandarak	Ajgra Bakma	Imadpur	Imadpur/02	Gullu Mahto	25.377896	85.793075	7.93	<4.0	515.60	334	172	40.08	17.49	23.98	294	0.16	<1.0	8.80	0.24	0.002	<0.01	Absent	
12	Mokama	Dariyapur	Dariyapur	Dariyapur/08	Bablu Kumar	25.381638	85.971481	7.56	<4.0	1073.00	696	448	94.59	51.51	101.94	346	0.41	7.78	14.00	0.13	0.005	<0.01	Absent	
13	Mokama	Dariyapur	Dariyapur	Dariyapur/09	Bindo Saw	25.382920	85.968713	7.94	<4.0	669.40	434	256	56.11	28.18	45.97	316	0.32	6.15	8.60	0.15	0.002	<0.01	Absent	
14	Mokama	Dariyapur	Dariyapur	Dariyapur/02	Arun Choudhary	25.384176	85.966604	7.48	<4.0	1059.00	688	436	91.38	50.54	89.95	342	0.27	7.99	14.70	0.16	0.004	<0.01	Absent	

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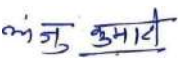
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----- END OF TEST REPORT -----

(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

P.H.E.D., GOVERNMENT OF BIHAR

TEST REPORT

Format No.: SLWTL/FRM/02

Issue No.:360

Issue Date: 21.06.2022



Certificate No.: TC-5752'

Report No:SLWTL/2022/GW-11577-11584

URL No.-TC575222000000360P

Date of Reporting: 21.06.2022

Name of the Organisation/Person: Departmental

Location Details: Begusarai, District (River Name: Ganga)

Ref.Memo No: Nil

Sample Received on: 13.06.2022

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: 03.06.2022 to 04.06.2022

Date of Analysis Started: 17.06.2022

Date of Analysis Completed: 20.06.2022

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	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
Desirable Limit*								6.5-8.5	1	-	500	200	75	30	250	200	1	45	200	1	0.01	0.1	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	S Kamal	Ragu. Barari	Chharaptti	Chharaptti/05	Mannu Kumar Singh	25.489008	86.947079	7.61	<4.0	504.90	328	212	46.49	23.33	59.97	248	<0.01	1.14	28.50	0.09	0.002	<0.01	Absent	
2	S Kamal	Ragu. Barari	Chharaptti	Chharaptti/03	Amit Kumar Mahto	25.487296	86.947900	7.59	<4.0	773.30	502	308	60.92	37.91	59.97	346	<0.01	<1.0	22.20	0.10	0.003	<0.01	Absent	
3	S Kamal	Ragu. Barari	Pachaveer	Pachaveer/08	Rajeev Choudhary	25.486878	86.960228	7.86	<4.0	661.70	430	288	57.71	34.99	55.97	280	<0.01	<1.0	29.80	0.09	<0.002	<0.01	Absent	
4	Matihani	Balahpur 2	Nayagaon	Nayagaon/01	Binod Singh	25.487393	86.940717	7.86	<4.0	658.90	428	284	54.51	35.96	51.97	218	0.39	<1.0	29.50	0.09	0.002	<0.01	Absent	
5	Matihani	Matihani	Matihani	Matihani/07	Suman Singh	25.489379	86.944659	7.98	<4.0	679.50	442	296	59.32	35.96	43.97	242	<0.01	<1.0	26.30	0.10	<0.002	<0.01	Absent	
6	Ballia	Bariyarpur	Bariyarpur	Bariyarpur/07	Pramod Singh	25.485692	86.950859	7.44	<4.0	608.20	394	232	49.69	26.24	63.96	288	<0.01	<1.0	25.50	0.09	<0.002	<0.01	Absent	
7	Ballia	Bhagatpur	Nagar Gawn	Bhagatpur/09	Sonal Kumar	25.482799	86.947288	7.30	<4.0	568.30	368	220	46.49	25.27	65.96	200	<0.01	<1.0	30.40	0.07	0.003	<0.01	Absent	
8	Ballia	Pokharia	Danauli	Pokharia/08	Pankaj Singh	25.482893	86.947858	7.89	<4.0	702.50	456	312	67.33	34.99	59.97	242	<0.01	<1.0	34.30	0.08	0.006	<0.01	Absent	

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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(Shubhanker Kumar Biswas)

Signature of Lab-In-charge

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

Received By

Prepared by:

Quality Manager

Approved by:

S.R.O cum Technical Manager

Issued by:

Research Assistant cum Lab-in-charge

Page 1 of 1

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.:389	
	TEST REPORT	Issue Date: 19.07.2022	

Report No.:SLWTL/2022/GW-12268-12285	URL No.-TC575222000000389P	Date of Reporting: 19.07.2022
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Name of the Organisation/Person: Departmental

Location Details: Vaishali, District (River Name: Ganga)
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Ref.Memo No: Nil	Sample Received on: 28.06.2022
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Sample Collected by SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD/02/15"): Yes
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Type of Sample: Ground Water	Source of Sample: Drinking Water
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Volume of Sample: 1 Ltr	Type of Container: Plastic
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Mode of Preservation: Preserved	Sample Condition:Sealed
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Deviation of Method , If Any: NIL	Date of Sampling: 24.06.2022
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Date of Analysis Started: 12.07.2022	Date of Analysis Completed: 15.07.2022
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Remarks: These (SI No.-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15) water samples are not fit for Drinking Purpose.
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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	Bidupur	Jurawanpur	Jurawanpur	Jurawanpur/04	Endu Devi	25.611874	85.384290	7.97	<4.0	724.00	470.00	296	60.92	34.99	59.97	240	1.74	1.98	47.50	0.22	<0.002	<0.01	Absent
2	Bidupur	Chechar	Chechar	Chechar/05	Sanjeev Kumar	25.615361	85.363282	7.86	<4.0	736.40	478.00	232	49.69	26.24	59.97	280	2.48	2.98	52.20	0.33	0.004	<0.01	Absent
3	Bidupur	Kovchanpur	Kovchanpur	Kovchanpur/10	Lal Babu Singh	25.660575	85.268864	7.77	<4.0	548.50	356.00	220	46.49	25.27	29.98	240	2.79	<1.0	30.50	0.31	0.003	<0.01	Absent
4	Bidupur	Saidpur Ganesh	Saidpur Ganesh	Saidpur Ganesh/06	Rahul Kumar	25.669554	85.258747	7.95	<4.0	723.30	470.00	224	49.69	24.30	37.98	290	3.03	4.05	44.50	0.32	0.002	<0.01	Absent
5	Hajipur	Nagar Panchayat	Kowhar Ghat	Kowhar Ghat/10	Vikash Kumar	25.682212	85.196720	7.43	<4.0	674.50	438.00	312	65.73	35.96	31.98	260	2.96	6.04	72.60	0.25	0.005	<0.01	Absent
6	Hajipur	Nagar Panchayat	Sirhi Ghat	Sirhi Ghat/09	SDRF Club Ghat	25.681397	85.197511	7.24	<4.0	475.60	308.00	172	35.27	20.41	19.99	210	2.30	<1.0	26.70	0.32	0.003	<0.01	Absent
7	Hajipur	Nagar Panchayat	Kosalya Ghat	Kosalya Ghat/10	Rampriit Sahni	25.6815114	85.195955	7.21	<4.0	864.70	562.00	288	59.32	34.02	33.98	280	1.48	8.30	74.58	0.37	<0.002	<0.01	Absent
8	Hajipur	Nagar Panchayat	Sadhugechi	Sadhugechi/10	Pinki Kumari	25.682212	85.196720	7.97	<4.0	826.60	536.00	316	67.33	35.96	29.98	328	2.85	2.06	50.80	0.36	0.002	<0.01	Absent
9	Mahnar	Alipur Aasanpur	Majlishpur South	Majlishpur South/09	Umashankar Singh	25.591352	85.505558	7.30	<4.0	505.00	328.00	236	52.90	25.27	21.98	230	2.13	<1.0	28.41	0.17	0.004	<0.01	Absent
10	Mahnar	Alipur Aasanpur	Majlishpur North	Majlishpur North/09	10+2 School	25.593997	85.507899	7.81	<4.0	611.80	398.00	252	51.30	30.13	21.98	306	1.96	<1.0	22.80	0.39	<0.002	<0.01	Absent
11	Mahnar	Alipur Aasanpur	Majlishpur North	Majlishpur North/09	Kali Mandir	25.593318	85.506938	7.38	<4.0	710.10	462.00	240	49.69	28.19	31.98	364	1.50	<1.0	25.80	0.39	0.005	<0.01	Absent
12	Desari	Rasulpur Habile	Rasulpur Habile	Rasulpur Habile/10	Ranjit Bhagat	25.623751	85.405266	7.28	<4.0	612.50	398.00	232	46.49	28.19	21.98	330	2.05	<1.0	30.80	0.31	0.003	<0.01	Absent
13	Desari	Rasulpur Habile	Rasulpur Habile	Rasulpur Habile/11	Shiv Janam Bhagat	25.624524	85.404766	7.20	<4.0	511.40	332.00	232	46.49	28.19	21.98	260	2.76	<1.0	36.81	0.41	<0.002	<0.01	Absent
14	Desari	Azampur	Azampur	Azampur/01	Ragendra Paswan	25.635502	85.415788	7.91	<4.0	544.00	354.00	184	40.08	20.41	23.98	200	1.69	1.28	64.20	0.26	<0.002	<0.01	Absent
15	Desari	Azampur	Azampur	Azampur/03	Govt.School	25.624542	85.404766	7.84	<4.0	638.30	414.00	240	49.69	28.19	37.98	248	2.53	1.08	60.20	0.28	<0.002	<0.01	Absent
16	Sahdei Bujurg	Nayagaon	Ganiyari	Ganiyari/04	Rajesh Shah	25.624327	85.445507	7.90	<4.0	891.60	580.00	316	67.33	35.96	95.95	300	0.58	8.09	80.50	0.39	0.005	<0.01	Absent
17	Sahdei Bujurg	Nayagaon	Ganiyari	Ganiyari/11	Rakesh Mishra	25.628601	85.443237	7.43	<4.0	887.60	576.00	304	62.52	35.96	25.98	460	0.96	6.02	62.50	0.44	0.003	<0.01	Absent
18	Sahdei Bujurg	Nayagaon	Ganiyari	Ganiyari/13	Arjun Kumar Ray	25.617729	85.446830	7.42	<4.0	964.10	626.00	336	73.75	36.93	105.94	212	0.73	5.14	50.80	0.17	<0.002	<0.01	Absent

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.

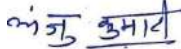
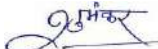
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1.The results are reported based on the materials received. 2.Sample will be destroyed after 15 Days from the date of issue of the test report subject to nature of preparation unless otherwise specified. 3.Sample will be preserved according to standard 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

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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.:446	
	TEST REPORT	Issue Date: 25.08.2022	

Report No.:SLWTL/2022/GW-14896-14913	URL No.-TC575222000000446P	Date of Reporting: 25.08.2022
Name of the Organisation/Person: Departmental		
Location Details: Vaishali, District (River Name: Ganga)		
Ref.Memo No: Nil		Sample Received on: 03.08.2022
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: 30.07.2022 to 31.07.2022	
Date of Analysis Started: 22.08.2022	Date of Analysis Completed: 25.08.2022	

Remarks: These (Sl No.-01, 02, 03, 04, 10, 11, 14, 15, 18) 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	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	Bidupur	Jurawanpur	Jurawanpur	Jurawanpur/04	Endu Devi	25.611770	85.384185	7.79	<4.0	702.40	456.00	284	62.52	31.10	61.96	258	2.17	<1.0	51.30	0.21	<0.002	<0.01	ND
2	Bidupur	Chechar	Chechar	Chechar/05	Sanjeev Kumar	25.615352	85.363470	7.37	<4.0	577.30	376.00	152	33.66	16.52	45.97	154	1.42	5.85	12.30	0.29	0.003	<0.01	ND
3	Bidupur	Kovchanpur	Kovchanpur	Kovchanpur/10	Lal Babu Singh	25.660421	85.268842	7.99	<4.0	502.80	326.00	208	44.88	23.32	21.98	236	2.92	5.14	25.90	0.29	0.005	<0.01	ND
4	Bidupur	Saidpur Ganesh	Saidpur Ganesh	Saidpur Ganesh/06	Rahul Kumar	25.669431	85.258726	7.43	<4.0	541.10	352.00	180	41.68	18.46	43.97	162	1.62	<1.0	19.60	0.24	0.004	<0.01	ND
5	Hajipur	Nagar Panchayat	Kowhar Ghat	Kowhar Ghat/10	Vikash Kumar	25.682219	85.196534	7.49	<4.0	617.30	402.00	208	44.88	23.32	29.98	212	0.35	3.47	29.20	0.21	0.003	<0.01	ND
6	Hajipur	Nagar Panchayat	Sirhi Ghat	Sirhi Ghat/09	SDRF Club Ghat	25.681342	85.197447	7.38	<4.0	319.90	208.00	140	32.06	14.58	15.99	154	0.09	4.22	31.30	0.28	<0.002	<0.01	ND
7	Hajipur	Nagar Panchayat	Kosalya Ghat	Kosalya Ghat/10	Ramprit Sahni	25.685221	85.195832	7.33	<4.0	637.50	414.00	264	57.71	29.16	31.98	144	0.15	<1.0	31.60	0.27	0.004	<0.01	ND
8	Hajipur	Nagar Panchayat	Sadhugechi	Sadhugechi/10	Pinki Kumari	25.682321	85.196515	7.13	<4.0	683.10	444.00	276	60.92	30.13	25.98	230	0.97	<1.0	59.60	0.29	0.002	<0.01	ND
9	Mahnar	Alipur Aasanpur	Majlishpur South	Majlishpur South/09	Umashankar Singh	25.591523	85.505432	7.34	<4.0	448.50	292.00	188	41.68	20.41	15.99	232	0.92	<1.0	11.90	0.24	0.004	<0.01	ND
10	Mahnar	Alipur Aasanpur	Majlishpur North	Majlishpur North/09	10+2 School	25.593951	85.507210	7.23	<4.0	427.10	278.00	172	40.08	17.49	15.99	214	1.58	<1.0	11.70	0.19	0.005	<0.01	ND
11	Mahnar	Alipur Aasanpur	Majlishpur North	Majlishpur North/09	Kali Mandir	25.593429	85.506947	7.39	<4.0	453.20	294.00	192	43.28	20.41	15.99	252	1.97	7.71	23.40	0.27	0.002	<0.01	ND
12	Desari	Rasulpur Habile	Rasulpur Habile	Rasulpur Habile/10	Ranjit Bhagat	25.623569	85.405251	7.33	<4.0	408.80	266.00	172	40.08	17.49	17.99	198	0.24	8.26	26.30	0.27	0.003	<0.01	ND
13	Desari	Rasulpur Habile	Rasulpur Habile	Rasulpur Habile/11	Shiv Janam Bhagat	25.624511	85.404621	7.25	<4.0	485.20	316.00	196	44.88	20.41	15.99	244	0.28	8.33	27.90	0.35	0.005	<0.01	ND
14	Desari	Azampur	Azampur	Azampur/01	Ragendra Paswan	25.635419	85.415795	7.86	<4.0	517.80	336.00	204	46.49	21.38	15.99	210	4.05	3.34	38.90	0.24	0.002	<0.01	ND
15	Desari	Azampur	Azampur	Azampur/03	Govt.School	25.624550	85.404729	7.98	<4.0	569.20	370.00	244	54.50	26.24	35.98	238	1.78	4.81	57.70	0.27	<0.002	<0.01	ND
16	Sahdei Bujurg	Nayagaon	Ganiyari	Ganiyari/04	Rajesh Shah	25.624670	85.445421	7.91	<4.0	749.90	488.00	292	64.12	32.07	87.95	178	0.29	<1.0	33.10	0.31	<0.002	<0.01	ND
17	Sahdei Bujurg	Nayagaon	Ganiyari	Ganiyari/11	Rakesh Mishra	25.628510	85.443550	7.88	<4.0	690.20	448.00	304	65.73	34.02	23.98	322	0.63	1.41	29.90	0.30	0.003	<0.01	ND
18	Sahdei Bujurg	Nayagaon	Ganiyari	Ganiyari/13	Arjun Kumar Ray	25.617435	85.446921	7.38	<4.0	908.60	590.00	296	64.12	33.04	95.95	140	3.07	<1.0	58.60	0.15	<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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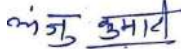
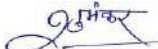
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----- END OF TEST REPORT -----

(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.:449	
	TEST REPORT	Issue Date: 25.08.2022	

Report No:SLWTL/2022/GW-15022-15033	URL No.-TC57522200000449P	Date of Reporting: 25.08.2022
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Name of the Organisation/Person: Departmental	
Location Details: Bhagalpur, District (River Name: Ganga)	
Ref.Memo No: Nil	Sample Received on: 05.08.2022
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: 28.07.2022 to 02.08.2022
Date of Analysis Started: 22.08.2022	Date of Analysis Completed: 25.08.2022

Remarks: These (SI No-03, 04, 08, 09, 12) 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	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	Kahalgaon	Kisandaspur	Barohia	Barohia/09	Barohia Chock	25.269015	87.237429	7.81	<4.0	1021.00	664.00	292	64.12	32.07	69.96	406	0.87	6.08	21.10	0.23	0.005	<0.01	ND
2	Kahalgaon	Kisandaspur	Barohia	Barohia/07	Kapildev Mandal	25.270274	87.239463	7.64	<4.0	1047.00	680.00	312	67.33	34.99	51.97	428	0.80	2.29	25.50	0.65	0.002	<0.01	ND
3	Kahalgaon	Ogari	Ogari	Ogari/06	Ogari	25.264186	87.239597	7.33	<4.0	3154.00	2050.00	1008	205.20	120.52	443.77	852	1.37	8.77	132.40	0.75	0.004	<0.01	ND
4	Kahalgaon	Birbanna	Birbanna	Birbanna/12	Birbanna	25.266145	87.235534	7.71	<4.0	1565.00	1018.00	396	83.36	45.68	203.89	766	0.88	8.21	61.50	0.48	0.002	<0.01	ND
5	Sultanganj	Jahangira	Dom tola	Dom tola/11	Dom tola	25.24137	86.762176	7.74	<4.0	1437.00	934.00	512	107.41	59.29	225.88	538	0.96	8.35	131.80	0.11	0.005	<0.01	ND
6	Sultanganj	Kamarganj	Chabutra Bagicha	Chabutra Bagicha/07	Durga Sthan	25.240413	86.692423	7.69	<4.0	504.60	328.00	208	44.88	23.32	43.97	198	0.90	3.69	32.00	0.28	0.006	<0.01	ND
7	Sultanganj	Kathara	Kathara	Nidhara/09	Dev Sthan	25.174595	86.76222	7.49	<4.0	1433.00	932.00	388	83.36	43.74	199.90	548	0.89	8.22	111.10	0.78	0.002	<0.01	ND
8	Sultanganj	Kathahara	Kathahara	Kumarpur/10	Aganbadi Kendra	25.176062	86.761592	7.75	<4.0	1624.00	1056.00	404	84.96	46.65	193.90	606	0.94	8.25	87.80	0.76	0.003	<0.01	ND
9	Nathnagar	Gosaindaspur	Gosaindaspur	Ward No-07	Dom tola	25.245699	86.903081	7.55	<4.0	768.90	500.00	248	54.50	27.21	23.98	304	1.14	1.44	15.20	0.14	0.003	<0.01	ND
10	Nathnagar	Gosaindaspur	Gosaindaspur	Ward No-04	Ajay Kumar	25.241084	86.912478	7.30	<4.0	1310.00	852.00	296	64.12	33.04	31.98	496	0.91	<1.0	14.30	0.09	0.005	<0.01	ND
11	Nathnagar	Nisfambey	Nisambey	Nisfambey/03	Sharma Tola	25.201517	86.950048	7.13	<4.0	1465.00	952.00	484	101.00	56.37	123.93	548	0.85	8.84	59.00	0.57	0.004	<0.01	ND
12	Nathnagar	Belkhoria	Belkhoria	Maniyarpur/04	Harijan Tola	25.185887	86.892429	7.80	<4.0	2221.00	1444.00	504	104.20	59.29	309.84	804	1.10	8.50	132.20	0.44	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.

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

(Shubhanker Kumar Biswas)
Signature of Lab-In-charge

Received By

Prepared by: Quality Manager	Approved by: S.R.O cum Technical Manager	Issued by: Research Assistant cum Lab-in-charge	Page 1 of 1 Revision No.: 0 Revision Date: Nil
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	STATE LEVEL WATER TESTING LABORATORY	Format No.: SLWTL/FRM/02	
	P.H.E.D., GOVERNMENT OF BIHAR	Issue No.:451	
	TEST REPORT	Issue Date: 25.08.2022	

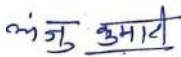
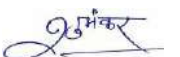
Report No:SLWTL/2022/GW-15085-15098	URL No.-TC575222000000451P	Date of Reporting: 25.08.2022
Name of the Organisation/Person: Departmental		
Location Details: Munger, District (River Name: Ganga)		
Ref.Memo No: Nil		Sample Received on: 05.08.2022
Sample Collected by SLWTL (SLWTL collect sample followed 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: 15.07.2022 to 20.07.2022	
Date of Analysis Started: 22.08.2022	Date of Analysis Completed: 25.08.2022	

								Physico - Chemical and Bacteriological Parameters															
SL No.	Block Name	Panchayet Name	Village Name	Habitation / Ward No.	Location Details	Latitude	Longitude	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	Jamalpur	Parham	Parham	Ward No-13	Gramin Bank	25.316697	86.440081	7.64	<4.0	1699.00	1104.00	700	144.28	82.62	211.89	648	1.26	8.77	111.20	0.30	0.006	<0.01	ND
2	Jamalpur	Indruk East	Gauripur	Ward No-11	Safiabad OP	25.337917	86.47675	7.61	<4.0	1673.00	1064.00	496	104.20	57.34	337.83	548	0.86	8.13	117.00	0.48	0.004	<0.01	ND
3	Jamalpur	Sindhia	Sindhia	Ward No-07	High School Sindhia	25.304097	86.408448	7.81	<4.0	1036.00	674.00	424	89.77	48.60	107.94	444	1.39	6.92	49.30	0.45	0.005	<0.01	ND
4	Munger Sadar	Mahuli	Mahuli	Ward No-14	Shiv Mandir	25.388897	86.505498	7.69	<4.0	678.40	440.00	280	60.92	31.10	33.98	262	0.78	3.59	11.00	0.48	0.005	<0.01	ND
5	Munger Sadar	Tarapur Diara	Tarapur Diara	Ward No-04	Sakaldev Mandal	25.34804	86.545274	7.53	<4.0	409.90	266.00	172	40.08	17.49	41.97	160	1.63	<1.0	7.60	0.48	ND	<0.01	ND
6	Munger Sadar	Naugarhi North	Naugarhi	Ward No-04	Rajendra Mandal	25.346154	86.543697	7.71	<4.0	1023.00	664.00	408	84.96	47.62	91.95	412	0.83	7.97	59.20	0.24	0.004	<0.01	ND
7	Munger Sadar	Katriya	Hasanpur	Ward No-11	Ramsharan Singh	25.366318	86.520339	7.41	<4.0	1799.00	1170.00	572	120.24	66.09	331.83	702	1.18	2.63	74.50	0.43	0.005	<0.01	ND
8	Dharhara	Hemjapur	Bari Lagma	Ward No-11	Anganbari Center	25.30345	86.397055	7.60	<4.0	705.10	458.00	236	51.30	26.24	45.97	306	0.97	<1.0	44.00	0.16	0.004	<0.01	ND
9	Dharhara	Shivkund	Shivkund	Ward No-13	Bhagwati Asthan	25.303378	86.396503	7.91	<4.0	643.70	418.00	328	70.54	36.93	49.97	258	0.92	<1.0	19.90	0.19	0.003	<0.01	ND
10	Dharhara	Shivkund	Nishad Tola	Ward No-02	Arjun Singh	25.303042	86.395473	7.98	<4.0	636.30	414.00	292	64.12	32.07	27.98	262	0.89	1.10	8.00	0.06	0.004	<0.01	ND
11	Dharahra	Bahachauki	Sunderpur	Ward No-08	Kalasthan	25.362697	86.324841	7.75	<4.0	819.20	532.00	308	67.33	34.02	19.99	282	0.95	<1.0	12.90	0.34	0.002	<0.01	ND
12	Bariyarpur	Karharia East	Ghorghat	Ward No-13	Shiv Mandir	25.243266	86.638278	7.60	<4.0	1013.00	658.00	332	72.14	36.93	113.94	398	1.10	7.49	48.90	0.43	0.003	<0.01	ND
13	Bariyarpur	Neerpur	Asha tola	Ward No-12	Middle School	25.273201	86.588172	7.32	<4.0	1350.00	878.00	388	83.36	43.74	107.94	548	0.93	8.35	79.40	0.46	0.005	<0.01	ND
14	Bariyarpur	Kalyan Tola	Harizan tola	Ward No-11	Hariman Das	25.29468	86.573036	7.96	<4.0	1214.00	790.00	400	83.36	46.65	97.95	542	0.76	8.38	70.60	0.23	ND	<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 -----		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.:453	
	TEST REPORT	Issue Date: 25.08.2022	
Report No:SLWTL/2022/GW-15221-15235 URL No.-TC57522200000453P Date of Reporting: 25.08.2022			

Name of the Organisation/Person: Departmental	
Location Details: Lakhisarai, District (River Name: Ganga)	
Ref.Memo No:Nil	Sample Received on: 05.08.2022
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: 23.07.2022 to 25.07.2022
Date of Analysis Started: 22.08.2022	Date of Analysis Completed: 25.08.2022

Remarks: These (Si No-02, 13, 15) 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	Badhiya	Anjanighat	Narsinghauli	Bhumihar Tola/07	Shaket Singh	25.238546	85.973396	7.29	<4.0	984.50	640	356	76.95	39.85	59.97	342	0.87	<1.0	40.00	0.26	0.007	<0.01	ND
2	Badhiya	Badhiya	Badhiya	Badhiya/14	Primary School	25.275908	86.014868	7.38	<4.0	512.10	332	196	44.88	20.41	27.98	196	1.46	<1.0	17.20	0.48	0.005	<0.01	ND
3	Badhiya	Dumri	Dhiradar	Dhiradar/13	Prashottam Mandal	25.266903	86.023796	7.98	<4.0	615.10	400	236	52.90	25.27	33.98	186	0.78	<1.0	24.10	0.70	0.005	<0.01	ND
4	Badhiya	Ejnighat	Turkeyjani	Turkeyjani/13	Sant Mahto	25.282469	86.025071	7.85	<4.0	586.40	382	236	52.90	25.27	27.98	244	0.97	<1.0	11.20	0.42	0.004	<0.01	ND
5	Lakhisarai	Amahara	Amahara	MuslimTola/09	Mujim	25.203836	86.049355	7.71	<4.0	785.70	510	260	56.11	29.16	63.96	224	0.89	7.88	28.40	0.22	0.003	<0.01	ND
6	Lakhisarai	Babhangama	Babhangama	Babhangama/03	Bipul Kumar	25.203837	86.049353	7.96	<4.0	625.10	406	240	52.90	26.24	63.96	184	0.88	7.86	28.70	0.24	0.006	<0.01	ND
7	Lakhisarai	Damadarpur	Bihraura	Bihraura/10	Panchayat Bhawan	25.14691	86.087841	7.16	<4.0	398.90	260	164	38.47	16.52	25.98	216	0.77	1.72	11.10	0.44	0.004	<0.01	ND
8	Suryagaraha	Abgil Rampur	Husaina`	Husaina/12	M.Hussain	25.273296	86.269661	7.66	<4.0	421.90	274	168	38.47	17.49	21.98	234	0.98	<1.0	2.40	0.45	0.005	<0.01	ND
9	Suryagaraha	Banshipur	Amarpur	Amarpur/10	Kurmi Tola	25.288809	86.32801	7.36	<4.0	674.70	438	280	60.92	31.10	69.16	204	0.89	4.71	40.70	0.33	0.002	<0.01	ND
10	Suryagaraha	Chaura Rajpur	Bhagatpur	Bhagatpur/06	P.S Bhagatpur	25.204041	86.310893	7.19	<4.0	642.20	418	256	56.11	28.18	63.96	310	0.65	<1.0	5.10	0.49	0.007	<0.01	ND
11	Suryagaraha	Chaura Rajpur	Rajpur	Chmar Tola/02	Rajendra Kumar	25.204041	86.310893	7.67	<4.0	1205.00	784	428	91.38	48.60	137.93	476	0.84	8.12	31.70	0.57	0.006	<0.01	ND
12	Pipariya	Ramchandrapur	Tari Par	Tari Par/14	Samudaik Bhawan	25.239096	86.141478	7.79	<4.0	1154.00	750	384	83.36	42.76	137.93	266	0.11	8.32	65.30	0.10	0.007	<0.01	ND
13	Pipariya	Saidpura	Anandpur	Anandpur/11	Brahm Asthan	25.196606	86.16997	7.98	<4.0	329.40	214	144	32.06	15.55	23.98	208	1.65	<1.0	4.10	0.21	0.005	<0.01	ND
14	Pipariya	Walipur	Walipur	Baba tola/01	Kishori Singh	25.252809	86.119992	7.90	<4.0	427.90	278	152	33.66	16.52	23.98	224	0.92	<1.0	6.50	0.15	0.004	<0.01	ND
15	Pipariya	Aolipur	Aolipur	Golapar/12	Hanuman Mandir	25.244784	86.138446	7.42	<4.0	495.50	322	244	52.90	27.21	47.97	262	1.55	<1.0	12.30	0.16	0.004	<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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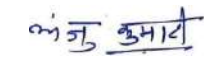
1. The results are reported based on the materials received. 2. Sample will be destroyed after 15 Days from the date of issue of the test report subject to nature of preparation unless otherwise specified. 3. Sample will be preserved according to standard method. The test report shall not be reproduced 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

P.H.E.D., GOVERNMENT OF BIHAR

TEST REPORT

Format No.: SLWTL/FRM/02

Issue No.:459

Issue Date: 25.08.2022



Certificate No.: TC-5752

Report No:SLWTL/2022/GW-15302-15315

URL No.-TC575222000000459P

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	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	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	Chharaptti	Chharaptti	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	Chharaptti	Chharaptti	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	25.486790	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.

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(Shubhanker Kumar Biswas)

Signature of Lab-In-charge

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 -----

Received By

Prepared by:

Quality Manager

Approved by:

S.R.O cum Technical Manager

Issued by:

Research Assistant cum Lab-in-charge

Page 1 of 1

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-15820-15831	URL No.-TC57522200000466P	Date of Reporting: 27.08.2022
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Name of the Organisation/Person: Departmental

Location Details: Patna, District (River Name: Ganga)

Ref.Memo No: Nil	Sample Received on: 22.08.2022
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Sample Collected by SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD/02/15"): Yes
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Type of Sample: Ground Water	Source of Sample: Drinking Water
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Volume of Sample: 1 Ltr	Type of Container: Plastic
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Mode of Preservation: Preserved	Sample Condition:Sealed
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Deviation of Method , If Any: NIL	Date of Sampling: 05.08.2022 to 21.08.2022
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Date of Analysis Started: 24.08.2022	Date of Analysis Completed: 26.08.2022
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Remarks: These (SI 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	MPN/100ml
								Minimum Detection Limit																
Desirable 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	--	
Permissible Limit* in absence of alternate source								6.5-8.5	1	-	500	200	75	30	250	200	1	45	200	1	0.01	0.1	-	
								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	Dariyarpur	Dariyarpur/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	Dariyarpur	Dariyarpur/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	Dariyarpur	Dariyarpur/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.

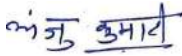
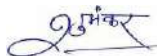
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1.The results are reported based on the materials received. 2.Sample will be destroyed after 15 Days from the date of issue of the test report subject to nature of preparation unless otherwise specified. 3.Sample will be preserved according to standard 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
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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	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.

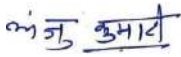
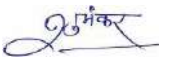
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----- END OF TEST REPORT -----

(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

**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 June, 2022

Frequency: Monthly

Sampling Date	Name Of Monitoring Location	Latitude	Longitude	Type Water Body	Name Of WaterBody	District	State Name	Temperature	Dissolved O2 (mg/L)	pH	Conductivity (µmho/cm)	BOD (mg/L)	NitrateN (mg/L)	Fecal Coliform (MPN/100ml)	Total Coliform (MPN/100ml)	Fecal Streptococci (MPN/100ml)	E.Coli (MPN/100ml)	Turbidity (mg/L)	Total Alkalinity (mg/L)	Chlorides (mg/L)	COD (mg/L)	Ammonical-N (mg/L)	Total Hardness (mg/L)	Ca as CaCo3 (mg/L)	Mg as CaCo3 (mg/L)	Sulphate (mg/L)	Total Dissolved Solids (mg/L)	Total Fixed Solids (mg/L)	Total Suspended Solids (mg/L)	Phosphate (mg/L)	Fluoride (mg/L)
01-06-2022	RIVER GANGA AT MOKAMA (D/S)	25.381441	85.987169	RIVER	GANGA	PATNA	BIHAR	27	8.5	7.4	230	1.7	0.3	940	1200	20	170	52.5	144	18	16	0.4	140	32	14.6	36.13	152	150	56	0.2	0.2
01-06-2022	RIVER GANGA AT BARH	25.487275	85.705236	RIVER	GANGA	PATNA	BIHAR	26	8	7.3	268	1.4	0.3	790	1400	78	170	49.8	152	23	12	0.4	146	28	18.5	36.02	176	160	52	0.2	0.22
01-06-2022	RIVER GANGA AT D/S NAWADAGHAT , BARH ,PATNA	24.890805	85.56	RIVER	GANGA	Patna	BIHAR	27	9.1	7.33	245	1	0.3	35000	92000	20	1300	29.5	150	18	8	0.4	144	31.2	16	35.34	162	142	34	0.2	0.2
01-06-2022	RIVER GANGA AT U/S BARAHPUR BINDTOLI	25.586863	84.693046	RIVER	GANGA	Patna	BIHAR	28	7.8	7.17	274	2	0.3	13000	24000	20	1700	45	140	25	16	0.4	142	27.2	18	40.04	184	168	48	0.2	0.24
01-06-2022	RIVER GANGA AT BARAHIYA, NEPALITOLA, MARANCHI, ;LAKSHISARAI	25.315313	86.029821	RIVER	GANGA	MUZAFFARPUR	BIHAR	27	9.2	7.95	259	1.8	0.31	24000	54000	78	1700	33.3	118	18	12	0.4	120	23.2	15.1	35.23	168	146	36	0.2	0.2
01-06-2022	RIVER GANGA AT BHAGALPUR	25.254387	86.948424	RIVER	GANGA	BHAGALPUR	BIHAR	25	9.1	7.62	264	1.8	0.3	4000	4800	20	2700	48.6	146	18	8	0.4	140	27.2	17.5	34.79	174	164	52	0.2	0.54

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06-06-2022	RIVER GANGA AT BUXAR	25.573508	83.966669	RIVER	GANGA	BUXAR	BIHAR	34	9	7.99	423	1	0.35	4900	7900	240	1300	24.2	130	53	8	0.4	128	28	14.1	42.28	282	226	28	0.2	0.61
06-06-2022	RIVER GANGA AT BUXAR, RAMREKHAGHAT	25.576142	83.970428	RIVER	GANGA	BUXAR	BIHAR	33	8.2	7.43	349	1.4	0.3	17000	28000	270	2700	19.7	140	53	12	0.4	140	28	17	40.71	232	182	22	0.2	0.52
06-06-2022	RIVER GANGA AT U/S JAIL GHAT, BUXAR	25.484321	85.668239	RIVER	GANGA	SARAN	BIHAR	34	8.1	7.92	391	1.4	0.31	17000	22000	220	4000	29.7	136	47	12	0.4	138	26.4	17.5	39.26	258	204	32	0.2	0.51
06-06-2022	RIVER GANGA AT D/S BUXAR NEAR ROAD BRIDGE	25.588972	83.985861	RIVER	GANGA	BUXAR	BIHAR	33	7.3	7.58	372	1.9	0.3	4900	9400	33	1700	16.5	140	62	16	0.4	138	28	16.5	39.04	246	188	20	0.2	0.47
07-06-2022	RIVER GANGA AT MAA AMBIKA ASTHAN, AAMI, SARAN	25.740235	84.963161	RIVER	GANGA	SARAN	BIHAR	26	6.7	7.65	336	2.8	0.3	240000	350000	790	22000	17.2	178	14	24	0.4	172	28	24.8	16.33	220	168	20	0.2	0.56
07-06-2022	RIVER GANGA AT ARA- CHAPRA ROAD BRIDGE (KOILWER BANURA-CHAPRA ROAD)	25.68032	84.785773	RIVER	GANGA	BHOJIPUR/SARAN	BIHAR	27	8.9	7.82	362	1.8	0.3	230	330	22	78	25.7	156	52	12	0.4	152	28.8	19.4	41.5	238	192	26	0.2	0.29
07-06-2022	RIVER GANGA AT THE CONFLUENCE OF SONE RIVER DORIGANJ, CHAPRA	25.708441	84.889727	RIVER	GANGA	SARAN	BIHAR	29	7.6	7.79	382	2	0.3	170000	540000	5400	79000	39.5	110	16	16	0.4	110	32	7.3	35.57	252	212	42	0.2	0.2
07-06-2022	RIVER GANGA AT KURJI, PATNA U/S	25.650869	85.115085	RIVER	GANGA	PATNA	BIHAR	35	7.1	8.13	385	2	0.3	9200	16000	170	3500	23.6	120	28	16	0.4	122	23.2	15.5	32.55	254	204	28	0.2	0.56
08-06-2022	RIVER GANGA AT GANDHIGHAT, NIT AT PATNA	25.622179	85.172816	RIVER	GANGA	PATNA	BIHAR	34	7.2	8.12	385	2.4	0.3	35000	92000	240	24000	24.6	126	25	20	0.4	130	28.8	14.1	32.44	246	196	28	0.2	0.6
08-06-2022	RIVER GANGA AT GULABI GHAT, PATNA	25.620356	85.179995	RIVER	GANGA	PATNA	BIHAR	35	6.1	7.85	362	2.5	0.3	24000	35000	220	3400	24.2	124	25	24	0.4	120	20	17	30.98	232	186	30	0.2	0.37
08-06-2022	RIVER GANGA AT PATNA D/S (GANGA BRIDGE), GAIGHAT	25.613753	85.204131	RIVER	GANGA	PATNA	BIHAR	34	7.9	8.14	359	1.8	0.3	13000	24000	350	7900	54.2	114	23	12	0.4	110	22.4	13.1	27.18	234	208	58	0.2	0.39

08-06-2022	RIVER GANGA AT MALSALAMI, PATNA	25.557806	85.275648	RIVER	GANGA	PATNA	BIHAR	34	7.8	8.21	375	2.1	0.3	17000	35000	33	13000	32.5	116	26	12	0.4	110	24	12.1	33.89	250	202	36	0.2	0.86
09-06-2022	RIVER GANGA AT TRIVENI GHAT, PATNA	25.515132	85.301372	RIVER	GANGA	VAISHALI	BIHAR	33	6.9	7.89	262	2.7	0.31	24000	35000	350	3300	90.5	102	20	24	0.4	100	20	12.1	33	166	188	92	0.2	0.35
09-06-2022	RIVER GANGA AT KEWALA GHAT,FATUHA, PATNA	25.511611	85.307417	RIVER	GANGA	PATNA	BIHAR	33	5.8	7.88	295	3	0.36	35000	54000	3500	13000	69.3	122	21	32	0.52	120	32	9.7	35.01	186	182	72	0.2	0.45
09-06-2022	RIVER GANGA AT KACHCHI-DARGAH-BIDUPUR ROAD BRIDGE, PATNA	25.548238	85.279377	RIVER	GANGA	PATNA	BIHAR	32	8.4	7.83	268	1.6	0.31	54000	92000	2400	24000	78.2	108	18	12	0.4	110	20	14.6	35.34	168	178	84	0.2	0.38
15-06-2022	RIVER GANGA AT MOKAMA (U/S), MAHADEO ASTHAN, PATNA	25.401104	85.923198	RIVER	GANGA	PATNA	BIHAR	28	6.8	8.03	210	2.1	0.3	4900	13000	2	1700	95.9	130	14	20	0.4	126	23.2	5.6	34.2	138	168	98	0.2	0.2
15-06-2022	RIVER GANGA AT BARH	25.487275	85.705236	RIVER	GANGA	PATNA	BIHAR	29	6.4	7.93	217	2.5	0.3	13000	24000	4	7900	112.3	130	18	24	0.4	128	24	5.8	35.3	144	184	114	0.2	0.2
15-06-2022	RIVER GANGA AT D/S NAWADAGHAT , BARH ,PATNA	24.890805	85.56	RIVER	GANGA	Patna	BIHAR	28	8.1	8.02	189	1.8	0.3	330	490	2	17	24.1	110	17	12	0.4	114	24.8	6	32.7	126	110	26	0.2	0.23
15-06-2022	RIVER GANGA AT U/S BARAHPUR BINDTOLI	25.586863	84.693046	RIVER	GANGA	Patna	BIHAR	29	6.7	8.19	242	2.6	0.3	330	790	2	68	28.2	138	23	24	0.4	134	28.8	7	36.6	160	138	32	0.2	0.29
15-06-2022	RIVER GANGA AT BARAHIYA, NEPALITOLA, MARANCHI, ;LAKSHISARAI	25.315313	86.029821	RIVER	GANGA	MUZAFFARPUR	BIHAR	28	6.9	7.99	223	2.3	0.3	13000	24000	6.8	2700	37.7	130	17	20	0.4	128	24.8	6	36.2	150	138	40	0.2	0.39
15-06-2022	RIVER GANGA AT U/S BHAGALPUR NEAR BARARIGHAT	25.271603	87.025665	RIVER	GANGA	BHAGALPUR	BIHAR	26	7.5	8.17	338	1.9	0.3	92000	160000	79	35000	114.3	142	48	16	0.4	142	24	5.8	43.6	224	240	116	0.2	0.47
15-06-2022	RIVER GANGA AT BHAGALPUR	25.254387	86.948424	RIVER	GANGA	BHAGALPUR	BIHAR	27	6.8	7.72	219	2.2	0.3	11000	35000	4	7000	138.2	124	14	20	0.4	120	28.8	7	37	144	206	140	0.2	0.35

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22-06-2022	RIVER GANGA AT KACHCHI-DARGAH-BIDUPUR ROAD BRIDGE, PATNA	25.548238	85.279377	RIVER	GANGA	PATNA	BIHAR	NA					NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28-06-2022	RIVER HARBORA, U/S WEST CHAMPARAN	27.094829	84.143868	RIVER	HARBORA	WEST CHAMPARAN	BIHAR	24	8.1	7.28	280	2.2	0.3	1100	3300	NA	NA	24.5	150	8	12	0.4	144	24.8	19.9	22.37	182	150	26	0.2	0.24		
28-06-2022	RIVER HARBORA AT NARKATIAGANJ, WEST CHAMPARAN	27.105529	84.454541	RIVER	HARBORA	WEST CHAMPARAN	BIHAR	24	7.9	7.19	245	2.1	0.3	92000	160000	NA	NA	243.2	130	9	20	0.4	134	23.2	18.5	26.28	152	284	246	0.2	0.33		
21-06-2022	RIVER PARMAR AT JOGBANI, ARARIA	26.399461	87.242477	RIVER	PARMAR	ARARIA	BIHAR	NA				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29-06-2022	RIVER POONPUN NEAR KINZER ROAD BRIDGE, JEHANABAD	25.217822	84.826131	RIVER	PUNPUN	PATNA	BIHAR	25	5.1	7.69	306	3	0.3	140	490	NA	NA	24.5	100	20	32	0.4	94	18.4	11.7	22.03	202	164	26	0.2	0.69		
30-06-2022	RIVER POONPUN NEAR POONPUN RAIL BRIDGE, PATNA	25.513517	85.292658	RIVER	PUNPUN	PATNA	BIHAR	24	6.4	7.82	292	2.6	0.3	3500	9200	NA	NA	75.5	98	28	24	0.4	94	24	8.3	31.54	192	196	78	0.2	0.68		
09-06-2022	RIVER PUNPUN AT PUNPUN, PATNA	25.627333	85.155472	RIVER	PUNPUN	PATNA	BIHAR	34	6.8	7.47	765	2.9	0.3	17000	28000	5400	13000	41	348	75	28	8.82	340	66.5	42.3	45.08	474	368	44	1.85	0.92		
28-06-2022	RIVER RAMREKHA AT U/S HARINAGAR, WEST CHAMPARAN	27.17026	84.322348	RIVER	RAMREKHA	WEST CHAMPARAN	BIHAR	25	2.2	7.25	339	4	0.3	28000	160000	NA	NA	22.4	158	33	32	3.5	152	41.6	11.7	24.27	220	174	24	0.2	0.21		
28-06-2022	RIVER RAMREKHA AT HARINAGAR, WEST CHAMPARAN	27.170083	84.322471	RIVER	RAMREKHA	WEST CHAMPARAN	BIHAR	25	2.1	7.49	330	5	0.3	7900	24000	NA	NA	27.9	170	28	36	3.96	168	43.2	14.6	29.98	208	168	30	0.2	0.38		
28-06-2022	RIVER SIRSIYA AT RAXAUL, EAST CHAMPARAN	26.98375	84.857739	RIVER	SIRSIYA (GANGA) BIHAR	EAST CHAMPARAN	BIHAR	24	0.3	7.81	350	4	0.3	28000	160000	NA	NA	74.2	130	33	40	3.7	124	37.6	7.3	32.1	218	214	76	0.29	0.2		
28-06-2022	RIVER SIRSIYA D/S RAXAUL (KOERIA TOLA), EAST CHAMPARAN	26.988061	84.855244	RIVER	SIRSIYA (GANGA) BIHAR	EAST CHAMPARAN	BIHAR	25	0.3	7.64	360	4	0.3	92000	160000	NA	NA	53.2	140	38	36	5.64	144	40.8	10.2	33.33	224	198	56	0.29	0.35		

Annexure – 7

Annexure - 8

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Discharge Report of Ramrekha River From 16.08.2022 to 31.08.2022				
Sl. No.	Date	Discharge of Ramnagar Entry Point	Discharge of Ramnagar Exit Point	Remarks
1	16.08.2022	0.93	1.05	
2	17.08.2022	1.00	1.15	
3	18.08.2022	0.98	1.09	
4	19.08.2022	1.01	1.14	
5	20.08.2022	1.04	1.18	
6	21.08.2022	1.01	1.09	
7	22.08.2022	0.97	1.06	
8	23.08.2022	1.01	1.14	
9	24.08.2022	1.02	1.12	
10	25.08.2022	0.98	1.33	
11	26.08.2022	0.97	1.18	
12	27.08.2022	0.98	1.12	
13	28.08.2022	1.36	1.58	
14	29.08.2022	1.16	1.28	
15	30.08.2022	1.13	1.26	
16	31.08.2023	1.18	1.34	

Shivshankar
01/09/22
J.E.
Hydrology Subdivision
Motihari

Pradyumn Kumar
01/09/22
A.E.
Hydrology Subdivision
Motihari

S. S. S.
02/09/22
E.E.
Hydrology Subdivision-1
Anishabad Patna

Discharge Report of Harbaura River From 16.08.2022 to 31.08.2022				
Sl. No.	Date	Discharge of Narkatiaganj Entry Point	Discharge of Narkatiaganj Exit Point	Remarks
1	16.08.2022	7.42	34.48	
2	17.08.2022	6.03	26.40	
3	18.08.2022	5.45	23.12	
4	19.08.2022	4.83	20.88	
5	20.08.2022	5.77	23.92	
6	21.08.2022	5.52	25.88	
7	22.08.2022	5.97	27.23	
8	23.08.2022	6.53	24.76	
9	24.08.2022	6.23	26.42	
10	25.08.2022	6.21	27.08	
11	26.08.2022	5.76	25.87	
12	27.08.2022	6.86	29.13	
13	28.08.2022	14.32	31.79	
14	29.08.2022	21.26	70.19	
15	30.08.2022	14.17	53.66	
16	31.08.2023	11.62	45.86	

Shishu
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Hydrology Subdivision
Motihari

Ajay Kumar
A.E. 01/09/22
Hydrology Subdivision
Motihari

Shankar
E.E. 01/09/22
Hydrology Subdivision-1
Anishabad Patna

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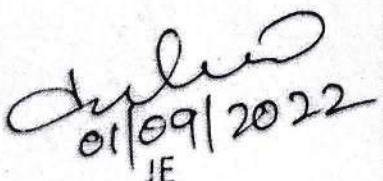
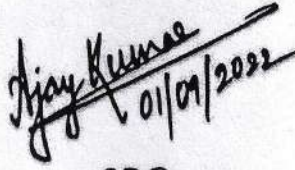
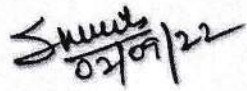
Discharge Report of Sirsiya River From 16.08.2022 to 31.08.2022				
Sl. No.	Date	Discharge of Raxaul Entry Point	Discharge of Raxaul Exit Point	Remarks
1	16.08.2022	4.74	6.78	
2	17.08.2022	4.52	6.42	
3	18.08.2022	4.36	6.16	
4	19.08.2022	4.11	5.67	
5	20.08.2022	4.36	6.22	
6	21.08.2022	4.52	6.42	
7	22.08.2022	4.31	5.77	
8	23.08.2022	4.01	5.54	
9	24.08.2022	3.93	5.30	
10	25.08.2022	3.57	4.85	
11	26.08.2022	3.21	4.29	
12	27.08.2022	5.34	7.54	
13	28.08.2022	8.83	13.52	
14	29.08.2022	9.2	13.68	
15	30.08.2022	9.72	14.75	
16	31.08.2023	8.68	13.06	

Helishah
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JB
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Motihari

Ajay Kumar
A.E. 01/09/22
Hydrology Subdivision
Motihari

Sunil
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Hydrology Subdivision-1
Anishabad Patna

Discharge report of Parman River at Jogbani Entry & Exit Point from
period 16/08/2022 to 31/08/2022 (Under NGT)

S.No.	DATE	Discharge of river at Jogbani Entry Point (m3/sec)	Discharge of river at Jogbani Exit Point (m3/sec)
1	16/8/2022	5.36	11.04
2	17/8/2022	5.15	10.68
3	18/8/2022	4.9	10.45
4	19/8/2022	5.15	11.75
5	20/8/2022	5.36	12.73
6	21/8/2022	5.15	10.68
7	22/8/2022	4.74	10.74
8	23/8/2022	4.59	10.11
9	24/8/2022	4.32	9.48
10	25/8/2022	4.32	9.48
11	26/8/2022	4.01	8.66
12	27/8/2022	4.32	9.48
13	28/8/2022	4.52	10.72
14	29/8/2022	5.19	12.99
15	30/8/2022	4.78	12.06
16	31/8/2022	7.91	29.59
 01/09/2022 JE Hydrology Sub Division Birpur/Purnia		 01/09/2022 SDO Hydrology Sub Division Birpur/Purnia	 02/09/22 EE Hydrology Division - 1 Anisabad Patna

Discharge Report of Punpun River at Gaurichak (Entry Point) and Fatuah (Exit Point) from 16.08.22 to 31.08.22

Sl.No.	Date	Discharge of Gaurichak Entry Point (m ³ /sec)	Discharge of Fatuah Exit Point (m ³ /sec)	Remarks
1	16.08.2022	60.042	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	17.08.2022	63.601	236.576	
3	18.08.2022	75.110	No Current	
4	19.08.2022	81.270	No Current	
5	20.08.2022	No Current	No Current	
6	21.08.2022	No Current	No Current	
7	22.08.2022	No Current	No Current	
8	23.08.2022	97.326	130.78	
9	24.08.2022	93.524	116.277	
10	25.08.2022	104.119	No Current	
11	26.08.2022	181.217	188.529	
12	27.08.2022	244.974	254.465	
13	28.08.2022	260.262	276.29	
14	29.08.2022	252.579	No Current	
15	30.08.2022	No Current	No Current	
16	31.08.2022	No Current	No Current	

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J.E. 3/9/2022
Hydrology Sub Division
Patna

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Hydrology SubDivision
Patna

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03/09/2022
E.E.
Hydrology Division-2
Anisabad, Patna