



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.

Patna, dated-

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 July, 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 July, 2022 in compliance with the order of the Hon'ble NGT dated- 24.09.2020 in O.A. No.673/2018 for needful action.

Encl: As above.

Yours faithfully,

Sd/-

(S. Chandrasekar)
Member Secretary.

Memo No.

Patna, dated-

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

Sd/-

(S. Chandrasekar)
Member Secretary.

Memo No.

Patna, dated-

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

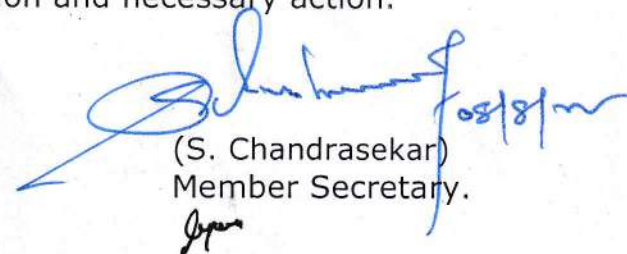
Sd/-

(S. Chandrasekar)
Member Secretary.

Memo No. 2605

Patna, dated- 08-8-22

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


(S. Chandrasekar)
Member Secretary.

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

For the State of Bihar

Overall status of the State:

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

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

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

II. Details of Sewage Treatment Plant:

- Existing no. of STPs and Treatment Capacity (in MLD): **03 STPs - Total 140 MLD: (Beur STP (New) (43 MLD), Karmalichak STP (New) (37 MLD) & Saidpur STP (New) (60 MLD)).**
- Capacity Utilization of existing STPs: **Total - 30 MLD: (Beur STP (New) (10 MLD), Karmalichak STP (New) (10 MLD) & Saidpur STP (New) (10 MLD)). Sewage network is under construction with approx 80% physical progress.**
- MLD of sewage being treated through Alternate technology: **541 MLD,UD&HD**
- Gap in Treatment Capacity in MLD: **1100 – 30 treatment through STPs – 541 through bio-remediation = 529 MLD.**
- No. of Operational STPs: **03.**
- No. of Complying STPs: **01.**
- No. of Non-complying STPs: **02.**
- **10 projects of STPs 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	No
2	Karmalichak STP(New)	25.572441 85.232034	37 MLD	10 MLD	Operational	No
3	Saidpur STP(New)	25.611506 85.164618	60 MLD	10 MLD	Operational	Yes

Details of Completed Project

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

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 (%)	Incremental 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	--	01.04.2022
2.	Saidpur Sewage Network	86.31	89.5	91.7	94.6	98.2	98.5	98.5	--	31.01.2022
3.	Karmali Chak Sewage Network	84.8	86.52	87.23	89.03	91.22	93.20	94.04	0.84	31.03.2022
4.	Phari STP	96.5	97.8	98	98.0	99.12	99.12	99.35	0.23	31.12.2021
5.	Phari Zone V Sewage Network	60.36	63.93	75.72	80.44	90.92	92.99	94.03	1.04	01.05.2022
6.	Sultanganj I&D and	92	99	99	99	99	99	99	--	15.08.2021

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 (%)	Incremental Physical Progress in last month (%)	Revised Timeline (as per BUIDCo)
	STP									
7.	Barh I&D and STP	95.8	96.01	97.05	98.2	99.2	99.66	99.66	--	31.12.2021
8.	Naughachia I&D and STP	92.5	92.5	94.01	95.8	97.12	99.02	99.32	0.3	31.12.2021
9.	Sonepur I&D and STP	96	96.5	96.5	97	97	97.6	98.70	1.1	31.12.2021
10.	Mokama I&D and STP	88.5	89	89	89.5	90.5	91	91	--	31.12.2021
11.	Baktiarpur I&D and STP	38.5	42.55	42.55	57.5	68.5	71.5	71.95	0.45	31.03.2022
12.	Maner I&D and STP	3	17.5	17.5	30.14	35.15	38.85	39.85	1.0	--
13.	Digha Zone STP & Sewer Network	4.6	5.10	6.26	6.85	8.77	9.13	10.35	1.22	29.08.2022
14.	Kankarbagh Zone STP & Sewer Network	1.8	--	--	3.54	3.54	4.75	7.69	2.94	29.08.2022
15.	Begusarai STP & STP Network	46	46.5	47.5	49.3	54.2	58.8	62.2	3.4	03.02.2022
16.	Chhapra I&D and STP	69	71	73	74.3	76.5	78	80.2	2.2	04.08.2021
17.	Hajipur STP & STP Network	12.7	24.13	32.98	42.5	58.79	62.99	64	1.01	--
18.	Fatua I&D and STP	--	--	--	--	--	--	--	--	21.11.2021
19.	Danapur I&D and STP	10	17.4	20.22	22.25	52.7	54.40	58	3.6	31.03.2022
20.	Phoolwarisarif I&D	--	--	--	--	15.7	17	35	18	22.11.2021

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 (%)	Incremental Physical Progress in last month (%)	Revised Timeline (as per BUIDCo)
	and STP									
21.	Bhagalpur I&D and STP	--	--	--	--	--	--	4.51	4.51	
22.	Munger I&D and STP	5	9	19	21	27	30.80	33.15	2.35	

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.	Kahalgaon 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 Projects:-

DPR (Already Submitted in NMCG – 4 DPRs)

Sl. No.	Name of the Project	Status
1.	I&D Works and STP Dighwara	Revised DPR submitted to SMCG & NMCG on 05.12.2020
2.	I&D Works and STP Manihari	Revised DPR along with compliances of NMCG observation submitted to SMCG on dated 03.07.2021.
3.	I&D Works and STP Teghara	Revised DPR submitted to SMCG & NMCG on 15.12.2020
4.	I&D Works and STP Arwal	Revised DPR submitted to SMCG & NMCG on 10.11.2020.

DPR (Under Scrutiny in BUIDCo – 3 DPRs)

Sl. No.	Name of the Project	Remarks
1.	I&D Works and STP Narkatiyaganj (West Champaran)	NEERI has submitted the DPR on 11.06.2021 which is under scrutiny by concern EE.
2.	I&D Works and STP Jogbani (Araria)	NEERI has submitted the DPR on 26.05.2021 which is under scrutiny by concern EE.
3.	I&D Works and STP Ramnagar (Harinagar) (West Champaran)	NEERI has submitted the DPR on 21.05.2021 which is under scrutiny by concern EE.

DPR (Pending at DPR Consultants – 11 DPRs)

Sl. No.	Name of the Project	Status
---------	---------------------	--------

1.	I&D Works and STP Darbhanga	A meeting was held on 12.05.2021 under chairmanship of MD, BUIDCo in which It is directed to NEERI and all concerned EE, SE and CE to discuss on V.C. between 17.05.2021-20.05.2021 and finalize the DPR. During meeting it was decided that NEERI team will visit first to site and accordingly DPR will be finalized by them. NERRI submitted the DPR of Motihari and Madhepura on 13.07.2021 which is under scrutiny by concern EE.
2.	I&D Works and STP Kishanganj	
3.	I&D Works and STP Motihari	
4.	I&D Works and STP Daud Nagar	
5.	I&D Works and STP Lakhisarai	
6.	I&D Works and STP Supaul	
7.	I&D Works and STP Saharsha	
8.	I&D Works and STP Madhepura	
9.	I&D Works and STP Jammui	
10.	I&D Works and STP Raxaul	
11.	I&D Works and STP- Jamalpur	In chairmanship of MD Buidco a meeting was done on 17.04.2021 in which it is directed to Consultant (M/S Tahal Consultant) for provide compliances. But as on date compliances has not been received. As per EE, Jamalpur there is no availability of land for STP construction. EE has identified a land which is related to Railway. EE has requested to Railway, Malda division for land.

DPR (DPRs to be prepared – 3 DPRs)

Sl. No.	Name of the Project	Status
1.	I&D Works and STP Samastipur	Appointment of DPR consultant yet to be done.
2.	I&D Works and STP Gopalganj	

3.	I&D Works and STP Bagaha	
----	--------------------------	--

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 75 Grossly Polluting Industries (GPIs)).**
- Quantity of effluent generated from the industries in MLD: **35 MLD approx.**
- Quantity of Hazardous Sludge generated from the Industries in TPA: **7716 MT (Incinerable: 79 MT, Land fillable 181 MT, Recyclable including other waste (Iron Scraps): 6681 MT, Co-processing in cement industries: 773 MT).**
- Number of industrial units having ETPs: **229**
- Number of industrial units connected to CETP: **Nil.**
- Number and total capacity of ETPs (details of existing/under construction/proposed): **96 MLD approx.**
- Compliance status of the ETPs: **224.**
- Number and total capacity of CETPs (details of existing/ under construction/ proposed): **01 CETP proposed at Hajipur Industrial Area Vaishali.**
- Status of compliance and operation of the CETPs: **Not applicable at present.**

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

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

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

Status of ULB wise Management of Solid Waste

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

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

- Total Bio-medical 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 has already been started in all 89 drains. Letter of award is in process for 115 drains.**

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, Drain with flow details 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.

Annexure - 1

fnukd l& 06-08-2022 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>Voltas & GAA</u> <u>JVI</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>188.186 Cr.</u> (C Cost- 142.34 Cr. and O&M Cost- 45.84 Cr.)	<u>UEM & EMS</u> <u>JVI</u> 30-03-17	<u>05.04.20</u> (EOT granted till Jan 2021)	<u>21360</u> 21360	Completed. O&M under progres-	Design Built Completed of Sewerage Network 55 Km and STP - 60 MLD completed. STP O&M under progres Physical Progress - 100 %, Financial Progress:- (172.86 Cr.)
3		Karmalichak	Sewerage Treatment Plant	37	—	<u>77.04</u> 83.97	<u>15-07-14</u> 05-01-15	7 Aug 15	<u>73.61 Cr.</u> (C Cost- 44.11 Cr. and O&M Cost- 29.50 Cr.)	<u>Voltas & GAA(JVI)</u> 31-03-17	<u>05/10/2019</u> 31/03/2021	—	O&M work in progress. Retaining Wall - Sand filling and Brick soling work are in progress.	Inlet Data 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</u> <u>Ltd.11/05/2018</u>	<u>29.05.21</u> (EOT granted till Oct 2021)	<u>21300</u> 21300	—	Completed. Physical Progress – 100% , Financial Progress - (203.84 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> (EOT requested till June 2022)	<u>5800</u> 28118	Tapping of Existing Network - 1.08 Km Manhole - 4 Nos Property Chamber - 110 Nos Road Restoration - 460 m (including Trenchless & DI pipe) DI Rising Main - 250 m House Connection- 425 Nos Finishing works ongoing at Ambedkar Colony SPS. Bazar Samiti SPS completed & commissioned. Exhibition Road SPS completed & commissioned.	Pipe Laying - 116.564 km Tapping of Existing Network - 10.11 Km Manhole - 4156 Nos Property Chamber - 2562 Nos Road Restoration - 122.48 Km (including Trenchless & DI pipe) DI Rising Main - 5.95 Km House Connection- 5800 Nos Ambedkar Colony SPS is ready for commissioning. Bazar Samiti SPS completed & commissioned. Exhibition Road SPS completed & commissioned. Physical Progress – 98.50%, 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> (2nd EOT granted till Feb 2022)	<u>7963</u> 15000	Sewerage Network completed - 0.477 Km Manhole completed - 81 nos. Road Restoration completed - 0.545 Km House Connection Pit completed- 139 nos House Hold connection completed - 294 nos Shifting and laying of 3.6 KM of underground electrical cable- 0.26	Sewerage Network completed - 157.7 Km Manhole completed - 6247 nos. Road Restoration completed - 157.18 Km House Connection Pit completed- 8034 nos House Hold connection completed - 7963 nos Shifting and laying of 3.6 KM of underground electrical cable- 2.618 Physical Progress - 99.3 %, Financial Progress - (332.70 Cr.)
3		Karmalichak	Sewerage Network	—	96.54	<u>277.42</u>	16/03/2017	9 May 17	<u>253.98 Cr.</u> (C Cost- 241.02 Cr. And O&M- 12.96 Cr.)	<u>VA Tech Wabag</u> 11/05/2018	<u>20.05.21</u> (EOT till 31.01.22)	<u>30540</u> 38168	Sewer Network - 0.622 Km Manhole - 27 Nos House Connection Pit - 73 Nos House Connection - 171 Nos. SPS - Concreting of 9th Lift done. 9th lift sinking in progress.	Sewer Network - 92.397 Km Manhole - 3389 nos Direct connection / House connection pit - 25589 nos Road Restoration 90.097 Km (Total 78.335 Km road restored in all respect and 11.62 Km comes in trenchless method) House Connection 30540 Nos SPS 01.No - wet well 64.70% completed. Concreting of 9th Lift done. Physical Progress - 94.04%, Financial Progress – (298.55 Cr.)
4		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> (EOT granted till March 2022)	—	CIVIL (RCC WORK), 1) MPS : 0%, 2)Grit Chamber : 0.0% , 3) SBR & CCT : 0.0%, 4) Chlorination Building :0.0%, 5) Sludge Dewatering Builg : 0% , 6) Admin cum Lab: 0.0% , 7) Air blower : 0.0%, 8) MCC : 0.0%, 9) Staff Quarter: 0.0% , 10- RCC Pipeline : 34.00%, ELECTRO-MECHANICAL WORK , 1) Grit Mechanism : 0% , 2)Air Blower install : 0% , 3) WAS Sludge Transfer Pump :0.0%, 4) Sluice Gates :0.0% , 5) Poly Dosing Unit: 0% , 6) Chlorine Leak Blowers 0%, 7) WAS Prethickner Pump : 2%, 8) Submersible Mixer : 35%, 9) Hand Railing: 0.0%, 10) Coarse Screen Belt conveyor: 0%, 11) Fine Screen Belt conveyor: 0%, 12) Grit Classifier: 0.00%, 13) SS pipe Fabrication: 14%, 14) DI Pipe Fabrication: 4%, 15) Centrifuge : 2%, 16) Centrifuge feed pump: 0%, 17) Monorail installation: 3%, 18) Earthing installation: 15%, 19) Electrical Panel: 2%, 20) Transformer : 0.00%, 21) Cable support &Tray : 3%, 22) Agitator : 0%, 23) Weir plate: 22%, 24) Baffle plate & Anti vortex cross: 10%, 25) Fine Screen Manual & Mechanical :-0%, 26) Coarse Screen Manual :-0%, 27) Coarse Screen Mechanical :-0%, 28) Chlorine toner works :-0%, 29) GRP pipe Fabrication & Erection - 5%, 30) GI pipe Fabrication & Erection - 50%, 31) UPVC pipe Fabrication & erection - 10%, 32) Laying of control Cable - 15% , 33)Laying of Power Cable - 5%, 34) DG Set Installation :-0%	Physical Progress - 99.35%, Financial Progress - (94.08 Cr.)
5		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> (EOT till 30.04.22)	<u>12403</u> 22855	1.Sewer Network – 1.079 Km. 2.Manhole- 76 Nos. 3.Property Chamber- 414 Nos. 4.Road Restoration- 3.63 Km. 5.House Connection- 555 Nos. 6.SPS-Civil Work Under Progress	1.Sewer Network – 98.075 Km. 2.Manhole- 2727 Nos. 3.Property Chamber- 10635 Nos. 4.Road Restoration-95.98 Km. 5.House Connection- 12403 Nos. 6.SPS-Civil Work Under Progress Physical Progress - 94.03%, Financial Progress - (215.30 Cr.)

Sr. No.	Status	Location	Project Name	STP Capacity (In MLD)	Sewer Network (In Km.)	Sanctioned Cost (Cr.) or 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
6	Ongoing Project	Sultanganj	I&D works and STP at Sultanganj	10	—	60.22	08-01-2017	30-12-17	63.51 Cr. (C Cost- 35.066 Cr. And O&M- 28.443 Cr.)	V.C.Project 14/9/2018	13.02.20 Revise- 04.11.20 EOT granted till 15 Aug 2021. Again EOT to be requested)		Trial Run Completed, Commissioning under progress, (HT Line in STP Completed in SPS under progress, Scada Completed, Installation of Lab under progress.)	1. Compound Wall work : 100% 2. MBBR- 100% Trial run is in progress 3. Construction of Admin Building :95 % 4. Centrifugal Building- 100% 5. Chlorine Contact Tank :100% 6. Sludge Storage Shed : 100% 7. Chlorine Tonner Building-Completed. 97% (Gas filling work under progress) 8. Thickner, Filterate Sump :100% 9. Return Sludge Sump : 100% 10. Plate Sateeler 100% (Final Painting/FRP Instalation) 11. MCC & Blower Building :100% 12. Grit Chamber :100% 13. Campus Development- 98% (Internal Road completed plantation work is in progress) 14. Effluent Channel from CCT 600mm Dia : 10% IPS- 1. Algaibinath IPS : 100% 2. Chuija gali IPS :100% 3. Open Drain 1500 M : 60% 4. Networking 9500 :75% (HT Line in STP Completed in SPS under progress, Scada Completed, Installation of Lab under progress.) Physical Progress - 99% Financial Progress - (29.67 Cr.)
7		Barh	I&D works and STP at Barh	11	—	58.27	08-10-2017	22-06-18	53.90 Cr. (C Cost- 26.57 Cr. And O&M- 27.33 Cr.)	UEM India 22/10/2018	21.04.20 EOT granted till 31.12.2021. Again EOT to be requested.		STP PART STP Plant is running I & D and IPS-2(Dayachack): Plant is running and IPS is running IPS-1(Khan Sahib Ghat): Pumping Station over all progress: 100% a) IPS well 100% completed b) MCC and DG room 100% completed. c)HT room 100% completed. d) 100% completed e)5% footing workcompleted. f) Brick and plaster work in progress. g) Rising Main DI pipe work completed h)100%Networking piping from Salampur A/B to IPS-1 work completed and road restoration work in progress. Supply of electro-mechanical Items : 100% Electro-Mechanical Work 100% completed.	STP PART STP Plant is running "I & D and IPS-2 WORK : IPS-2:-" Plant is running and IPS is running IPS-1: Pumping Station over all progress : 100% a) IPS well 100% completed. b) MCC and DG room 100% completed. c) HT room 100% completed. d) Transformer 100% completed. e) Staff quarter 30% completed. f) Boundary wall 85% Completed. g) Rising Main DI pipe work completed h) 100%Networking piping from Salampur A/B to IPS-1 work completed and 50% road restoration work completed. Supply of electro-mechanical Items : 100% Electro-Mechanical Work 100% completed. Physical Progress - 99.66 % Financial Progress - (27.93 Cr.)
8		Naugachhia	I&D works and STP at Naugachia	9	—	60.79	08-01-2017	22-06-18	61.89 Cr. (C Cost- 35.01 Cr. And O&M- 26.38 Cr.)	UEM India 22/10/2018	21.04.20 EOT granted till 31.03.2022)		staff qtr.-7% Boundry wall-4% cable tray-20% Internal external lighting-5% 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	1) MPS : NA, 2)Grit Chamber : 100%, 3) SBR & CCT : 100%, 4) Chlorination Building : 100%, 5) Sludge Dewatering Bulg : 100% , 6) Admin cum Lab: 100% , 7) Airblower:100%, 8) MCC : 100%, 9) Staff Quarter: 100% , Installation of E&M Work : . 1) Grit Mechnaish : 100%, 2)Air Blower with Piping : 100%, 3) MCC & Panel : 100%, 4) Transformer : 100%, 5) WAS Pre-Thickner Pumps :100%, 6)Poly dosing pumps:100%, 7) Chlorine Leak Blowers :100%, 8) Cable Tray :100%, 9) Grit Mechnaish : 100%, 2) Sluice Gates G.chamber :100% , 3) Chlorination system:100%, 4) Sludge dewatering Machine:100%, 5) Cable termination : 100%, 1) Grit Mechanism system : 100%, 2) Diffuser with Air Blowing : 100%, 3) Filtrate transfer pump : 100% , SPS- 1, Civil Works, Wet well,Inlet chamber-100%, DG Room-100%, Panel Room-100%, Transformer yard-100%, staff qtr.-87%, Boundry wall-100%, E&M Works-, Procurement-100%, HT Panel -95% , DG Installation-100%, Transformer yard-100%, MCC Panel-100%, Screens-100%, sluice gate-100%, Monorail-100%, cable tray-100%, Internal external lighting-100%, SPS- 5, Wet well,Inlet chamber-100%, DG Room-100%, Panel Room-100%, Transformer yard-100%, staff qtr.-50%, Boundry wall-100%, E&M Works-, Procurement-100%, Transformer yard-85%, MCC Panel-90%, Screens-100%, Monorail-100%, Pumps-90%, SPS- 6, Wet well,Inlet chamber-100%, DG Room-100.0%, Panel Room-98%, Transformer yard-100%, staff qtr.-95.0%, Boundry wall-95%, E&M Works-, Procurement-100%, HT Panel -100% , DG Installation-100%, Transformer yard-100%, MCC Panel-100%, Screens-100%, sluice gate-100%, Monorail-100%, SPS- 2, Wet well,Inlet chamber-100%, Boundry wall-90%, MCC Panel-100%, DG Room-100%, H&MTransformer-100%, E&M Work -, Screens-100%, Sluice gate-100%, Submersible pump-90%, Monorail-100%, DG Installation-90%, MCC Panel-90%, Transformer -90%, SPS- 4, Wet well-100%, Inlet chamber-100%, DG Room-100%, MCC Panel-100%, HT/Transformer-98%, MCC Panel-100%, HT/Transformer-90%, E&M Work -70%(Procurement), E&M Work -70%(Procurement), Installation of E&M Work : , Submersible pump-85%, Screens-100%, Sluice gate-100%, DG installation-100%, MCC Panel-100%, Transformer -85%, Rising Main-15289.5 meter, Road restoration-15229 meter Physical Progress - 99.32 % Financial Progress - (30.34 Cr.)

Sr. No.	Status	Location	Project Name	STP Capacity (In MLD)	Sewer Network (In Km)	Sanitized Cost (Cr.) Govt/Govt	Date of Sanction/ Date of AA&ES issue Govt/Govt	Date of NIT	Contract Price	Signing of Contract Contractors Name/ Date	Date of Completion (As per Agreement/ Projected by BUIDCo)	House Connection	During this month	Total Progress
9		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 Dec 2021), revise EOT proposal to be submitted.		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 134 Mtrs done. 11. Manohole completed - 2 Nos. 12. Laying of Effluent Channel completed. 13. Trial run running through 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. I&D work of approx 5405 Mtrs pipe laying done out of 5620 Mtrs 11. Manholes completed - 171 Nos 12. Laying of Effluent Channel completed. 13. Trial run running is in progress Physical Progress - 98.70 % Financial Progress - (18.35 Cr.)
10	Ongoing Project	Mokama	I&D works and STP at Mokameh	8	—	53.81/ 60.91(Rvd)	28/07/2017	30-12-17	59.17 Cr. (C Cost- 37.765 Cr. And O&M- 21.407 Cr.)	EMS Singh 15/06/2019	15.12.20 EOT Granted till 31.12.2021. Revise EOT proposal to be submitted.		Landscaping & Plantation work: In progress , Guard Room: civil work in progress, Supply of Electromechanical equip., Installation of Electromechanical Equip, Solar panel street light installation complete, I&D Work; 300 mm dia hume pipe laying=60M, Manhole=20 Nos, IPS-1; Supply of Electromechanical equip., IPS-2; Site development work: In progress, Supply of Electromechanical equip.	Design & Survey - complete., SBR work: 100% complete & rest in progress., Admin block : 100% complete & rest in progress, Panel Room: 100% work complete & rest in progress., Boundary wall =100% complete , Road Work=85% complete & rest in progress, Chlorination Tank:100% complete & rest in progress , Sludge Holding Tank: 100% complete , Centrifuge Building: 100% complete & rest , Grit Chamber: 100% complete & rest in progress , MPS:Structural work complete & finishing work 100% complete , Air Blower Platform :100% complete , Landscaping & Plantation work: 95% complete, Guard Room: Structure work 100% complete, Supply of Electromechanical equip., i) Decanter System=2 Set, ii) Sewage Transfer Pump=9Nos, iii) RAS Pumps=2set, iv) SAS Pumps=2set, v) Diffuser=2Lot, vi) Chlorinator=1No, (vii) Mechanical coarse & fine screen, vii) Air Blower=3Nos,Centrifuge=2Nos, viii) MCC Panel=1Nos , ix) PLC Panel=1Nos , x) Cable Tray=1lot , xi) MS pipe=1lot , xii) Diffuser=2Lot , xiii) Online monitoring system 1set , XX) Centrifuge Feed Pump=02 Nos, (XXI) Sewage sludge pump=06 Nos for IPS, XXII) Solar panel street light , XXIII) HT Panel, installation of Electromechanical Equip, i) Air Blower=100%, ii) MCC panel installed=100%: , iii) air blower pipes laying complete , i vi) DG installation complete=100%, v)Diffuser pipeline installed=100%, vi) Cable tray framework erected 100% complete, vii)Pumps in Wetwell installed 100%, MPS to Grit ch pipeline complete, Cable laying=95% complete, PLC panel installed, Gate Valve=06 Nos installed, Mechanical coarse & fine screen installed, Motorised gate valve installed, Manuall screen installed, All electric supply work at STP complete, Chlorinator sytem installed, Flowmeter installed, Solar panel street light installation complete, Testing of all electromechanical machinery complete, I&D Work; Di pipe laying=5915M, 600mm dia Hume pipe laying=300 M, 300 mm dia hume pipe laying=485M, Manhole=35 Nos, IPS-1; Staff Quarter: structural 95% complete, Boundary wall : 95% complete, PS: structural work 92% complete, Panel Room: structural work complete & finishing work in progress, Supply of Electromechanical equip.- Pumps=3 Nos, Mechanical Screen=01 No, IPS-2; Site development work: Filling work 90% complete, Staff Quarter: structural work complete & plaster work 100% complete, PS : structural work of Receiving chamber 100% complete and finishing work in progress, Boundary wall : 90% complete, RCC drain work=1295M complete, Manhole : 45Nos completed, Supply of Electromechanical equip.-, Pumps=3 Nos, Mechanical Screen=01 No Physical Progress-91 % Financial Progress : (31.35 Cr.)
11		Baktiyarpur	I&D and STP at Bakhtiyarpur	10	—	35.88	24/12/2018	19-01-2019	36.04 Cr. (C Cost- 22.65 Cr. And O&M- 13.40 Cr.)	S.G. Construction & S.N.Enviro 27/08/2019	26.08.20 31.03.22		Boundary wall - 1% IPS2/Pumping station 0.405% Admin cum Panel Building cum Staff Quater's - Complete. SBR & CCT - 1.00% MPS & inlet chamber - 0%. Sludge Holding Tank - 5% Grit Chamber 4% IPS1/Pumping station 0.490% Sewer Network 0.040KM	Boundary wall - 99%. Sewer Network 1.430KM Admin cum Panel Building cum Staff Quater's - Complete. SBR & CCT - 85.50% Complete. MPS & inlet chamber - 90.00%. Sludge Holding Tank - 77.50%. Grit Chamber 77.50% IPS1/Pumping station 33.71% IPS2/Pumping station 33.455% Physical Progress - 71.95% Financial Progress - (21.14 Cr.)
12		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 (I.V.) 27/09/2019	26.09.20 (EOTrequest ed 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-83.20% 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 - 39.85% Financial Progress - (9.99 Cr.)
13		Digha-Zone	STP & Sewer Network	100	288	824	08-11-2017	15-05-18	1187.86 Cr.	VA Tech Wabag 30/12/2019	Aug-22		Netowk Progress: 1. Sewer Line Laid-0 Km 2. Manhole-14 Nos. 3. Road Restoration-0.065 Km 4. HSC-0 Rm 5. Flow test- 17.4 Km STP Progress: 1. Site office Establishment 50% completed. 2. Land development in 67% Completed. 3. Achived 55 Nos. of Pile at Digester A&B -Digha, work under progress. 4. Boundary Wall fencing in progress.	Netowk Progress: 1. Sewer Line Laid-70.219 Km 2. Manhole-1845 Nos. 3. Road Restoration-61.324 Km 4. HSC- 8606 Rm 5. Flow Test- 17.4 Km STP Progress: 1. Engineering Drawing 5.76% achieved 2. Site office Establishment 50% completed. 2. Land development in 67% Completed. 3. Achived 55 Nos. of Pile at Digester A&B -Digha, work under progress. 4. Boundary Wall fencing in progress. Physical progress - 10.35% Financial Progress:- 140.17 Cr.
14		Kankarbagh-Zone	STP & Sewer Network	50	150	578.89	08-11-2017	15-05-18		VA Tech Wabag 30/12/2019	Aug-22		Netowk Progress: 1. Sewer line laid-0 Km 2. Manhole -57 Nos. 3. Road Restoration- 0.153 Km 4. HSC- 0 Rm 5. Flow Test -12.095 km STP Progress: 1. Site office Establishment done 100% 2. Land Development 20% completed 3. Piling work- 37 Nos at Aeration Tank, 1 No. at Digester & 2 Nos. at Secondary Clarifier	Netowk Progress: 1. Sewer line laid-35.061 Km 2. Manhole - 763 Nos. 3. Road Restoration- 34.934 Km 4. HSC- 22 Rm 5. Flow test -12.095 km STP Progress: 1. Engineering Progress achieved 5.67% 2. Site office Establishment done 100% 3. Land Development 20% completed 4. Piling work- 37 Nos at Aeration Tank, 1 No. at Digester & 2 Nos. at Secondary Clarifier Physical progress - 7.69% Financial Progress:- 16.55 Cr.

Sr. No.	Status	Location	Project Name	STP Capacity (In MLD)	Sewer Network (In Km.)	Sanctioned Cost (Crore) Govt/GoB	Date of Sanction/ Date of AAES Issue Govt/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
15		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	Feb-22		1. Pipe Laying -0.869 Km 2. Manholes -71 Nos 3. Inspection Chamber -249 Nos 4. Road Restoration - 1.610 KM "This Month progress Civil works- MPS-RCC-14 Cum (2.0%). SBR Tank-RCC-175.27 cum.(20.5%) Grit chamber-RCC-12.8 cum.(3.5%) Air Blower-RCC-28.2 cum.(14.65%) Staff Qtr.-A-RCC-0 cum.(0%) Staff Qtr.-B-RCC-2.47 cum.(3.0%) HT Meter Room-RCC-1.5 cum.(4.0%) Sludge sump- PCC-18 cum.(16.5%) Sludge Dewatering Building/Centrate sump- 3.56 cum (5.4%)	1. Pipe Laying -74.244 Km 2. Manholes -3070 Nos 3. Inspection Chamber - 8476 Nos "4. Road Restoration - 74.271 KM Additional restoration done for old existing network" "Updated progress Civil works- MPS-26.2% SBR-84.44% Grit chamber-73.73% Air blower- 51.62% Staff qtr.-A- 53.53 % Staff qtr.-B- 80.14 % HT meter room-67.23% Admin Bldg.- 24.22% CCT-PC-40 cum.(7.66%) Sludge Sump-19.2% Sludge Dewatering Building/Centrate sump- 38.02% E&M Works- Procurement-100% Installation-0% "6. IPS 1-39% IPS 2 - (16.52%) 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 - 62.2 % Financial Progress - 137.93 Cr.
16	Ongoing Project	Chhapra	I&D and STP	32	18.95	236.15	30/11/2018	04-19	244.39 Cr. (Capital Cost-119.90 Cr. and O&M- 124.49 Cr.)	Toshiba (JV) 04.02.2020	04.08.21 (EOT request sent to NMCG)		1. Main Pumping Station - 7th lift Wall RCC work is in progress (6.20%) 2. Screen Chamber Slab Casting completed and Grit Chamber Slab casting Completed and side wall casting work in progress- 3.75% 3.Sludge Dewatering Building column work is in progress, Sludge Sump,Feed pump house and centrifuge building 1st slab work in progress- 0.1% 4.Substation, MCC Room - 0.85% 5. SBR, Equalisation Tank & Was Sump Raft is completed and wall 3rd,4th lift and walkway RCC work is in progress (0.6%) 6. CCT - 0.86% 7.Air Blower Room - 1st floor slab work is completed and second floor column work ,staircase work completed and brick work in progress (1.6%) 8. Admin Cum Lab Building - No work 9. Staff Quarter brick work and plaster work is in progress (0.86%) 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 - (25.80%) 16. Network (I&D) - Laying work- 61 m (0.3%) manhole -00%) 17. Road Restoration (I&D Network) - No Work 18. Electro-Mechanical Equipments for STP - Pipe,decantor 2 nos.and blowwer erection work is in progress (1.1%) 19. Electro-Mechanical IPS-03 & IPS-04 work in progress - 0.5%	1. Main Pumping Station - Screen Chamber RCC work is in progress- (84.50%) 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 (68.75%) 3.Sludge Dewatering Building column RCC work is in progress, Sludge Sump,feed pump house Completed and centrifuge building 1st slab work in progress (59.1%) 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 (54.85%) 5. SBR, Equalisation Tank & Was Sump Raft is completed and wall 3rd ,4th lift and walkway RCC work is in progress (89.6%) 6. CCT 5th lift Wall completed and Chlorination building 1st slab completed and column work is in progress (82.86%) 7. Air Blower Room - 1st floor slab work is completed and second floor column work staircase work completed and brick work in progress (67.1%) 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 (90.86%) 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 15 .IPS/Pumping station IPS B - (37.30%) 16. Network (I&D) - Pipe laying of 10247 mtrs and manhole 314 nos. is completed ,Pipe Laying - (51.40%) and Manhole - (00%) 17. Road Restoration (I&D Network) - 6.949 KM road restoration is completed 18. Electro-Mechanical Equipments for STP - Pipe,Decantor 2nos and blower Erection work is in progress (25.1%) 19. Electro-Mechanical Equipments for MPS&IPS - (90.5%) IPS-03 & IPS-04 work in progress Physical Progress - 80.2 % Financial Progress - 80.59 Cr.
17		Fatua	I&D and STP	7	—	35.49	24/12/2018	06-19	176.19 Cr. 12.11.2020 (EOT requested till 22.11.2022)	Bhugan Infracore & Enviro Infra Eng. Ltd. (J.V) 23.11.2020	23.11.2022		Nil	SSTP land has been identified which belongs WRD. Request has been sent to WRD for issuance of land NOC. It is expected that STP land will be received shortly.
18		Danapur	I&D and STP	25	—	103.27	02-08-2019	06-19			23.11.2022		7)Stilling chamber with screen channels- 17% 8)Grit chamber with Parshallflume- 17%	STP 1) Admin Building-90% 2)SBR Basin-50% 3) CCT-90% 4) Chlorination Building-90% 5)Security Cabin-90% 6)Supply of DI Pipe-830.50M 7) Stilling chamber with screen channels-20% 8)Grit chamber with Parshallflume-20% 9)Sludge House-90% Physical Progress - 58.% Financial Progress - 186.34 Cr.
19		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% 2)SBR Basin- 25% 3) Stilling chamber with screen channels- 15% 4) Grit chamber-15% 5)Sludge Sump- 5% 6)Sludge House- 5% 7)Staff Quarter- 25% Physical Progress - 35% Financial Progress - 1.96 Cr.
20		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)-0.262 "Property Chamber(Nos)-4 "MPS(CUM)- 7.93 Grit Chamber (CUM)- 642 Secondary Clarifier (CUM)- 25 Security cabin (CUM)-8 Air Blower Shed (CUM)- 6.1 "MCC/Admin building (CUM)-7	Sewerage Network - 98.75 Property Chamber (Nos) - 7717 Staff Quarter, STP (CUM)- 68.12 Aeration Tank - 2662 Grit Chamber (CUM)-0 Security cabin (CUM)- 11.38 "MCC/Admin building (CUM)- 15.61 Physical Progress-64.% Financial Progress:- 146.80 cr. Manhole - 5087 Road Restoration - 98.75 DG & Transformer, STP (CUM) - 36.79 MPS(CUM)-25 Secondary Clarifier (CUM)-8 Air Blower Shed (CUM)-12.46 IPS (CUM)-0 Rising main (KM)-0
21		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 under Progress. Total 81 Nos Completed As on 31th Jul'22 2. Pile cage work in progress 3. Security Cabin:- Slab shuttering and Reinforcement work in Progress. 4. Staff Quarter type-I:- Column reinforcement and shuttering work in progress	1. Pile Work For FCR Tank under Progress. Total 81 Nos Completed As on 31th Jul'22 2. Pile cage work in progress 3. Security Cabin:- Slab shuttering and Reinforcement work in Progress. 4. Staff Quarter type-I:- Column reinforcement and shuttering work in progress Physical Progress-4.51% Financial Progress:- 0.07 cr.

Sr. No.	Status	Location	Project Name	STP Capacity (In MLD)	Sewer Network (In Km.)	Sanctioned Cost (Cr.)	Date of Sanction/ Date of AA&ES issue	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
22	Ongoing Project	Munger	STP & Sewer Network	30	165.73	294.02	03-05-2018	—	—	04.10.2021	17.10.2023	802 15200	Description (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) Labour hutment work is in progress. (d) Revised STP layout vetted copy received from IIT Kanpur. (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 Work completed.	Description (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 alongwith Trenchless work. 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 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. Physical Progress-33.15%, Financial Progress -90.96 Cr.
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 of 02 technically qualified bidder was opened on 24.03.2022 L1 Bidder rate is found 51.16% above the estimate cost. Letter has been sent to NMCG on 31.03.2022 to take decision.
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	Tendered Project	Buxar	STP & Sewer Network	16	95	74.95 164.23(R)	31/12/2019	—	—	—			—	Letter sent to NMCG on 19.07.22 to consider this project in NGP-2. (Previous work Physical Progress-39%, Financial progress- 17.29 Cr.)
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. Bil evaluation is in process.
1	Ongoing Projects	Patna	River Front Development of Patna	20 Ghat	6.6 Km	243.27 336.73 (Rev'd)	19/6/2013 26/02/2019	—	254.52 Cr.	L&T 24.04.14	23-03-2019 / 20-05-20 (4th Extension)			Development of Ghats- 16 Ghats completed out of 20 Ghats. Building- 1. Audio Visual Theatre (AVT) Building at Barhawa Ghat completed. 2. ECO Center at Collectrate Ghat- completed. 3. Community Cum Cultural Center at Raja Ghat-completed. Crematorium at Gulvighat - completed. Start cremation by PMC Promenade - 5.5 km completed. All Ghats and Promenade with building and crematoria handed over to PMC, Patna for Operation and Maintenance. Physical Progress-93%, Financial progress- (316.45 Cr.)
1	Ongoing Project	Muzaffarpur	Development works of Ghats	3 Ghats		10.77	03-07-2019				06.01.2022		Sidhi Ghat - 5 % Chandwara Ghat (Ashram Ghat) - 0 % Sikandarpur Mukti Dham - 10 %	Sidhi Ghat - 83 % Chandwara Ghat (Ashram Ghat) - 96 % Sikandarpur Mukti Dham - 55 % Physical Progress-78%, Financial Progress - 4.16 Cr.
2		Gopalganj	Development works of Ghats	2 Ghats		8.25	03-07-2019			Baban Kr Singh 04.01.20	03.06.2021		Completed.	Completed Physical Progress - 100 % Financial Progress - 6.62 Cr.
1	Tender to be floated	Gopalganj	Development works of Crematoria	1 Crematoria		3.45	06-05-2020						—	No bids 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				673.5 STP 26Ghat 1 Crematoria	1747.92 KM	5922.83 6279.73						100168 146801	—	dqy vJru O;; %& 3182-24 djksM+ A

1- iVuk xaxk unh rV fodkl ifj;kstuk Qst&2 ds rgr ukStj ?kkv Is uwijq ?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 Connection up to date on 31.07.22	
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	3182.24 crore (31.07.2022)		

DPR status of remaining towns on main stem of River Ganga			
Sl. No.	Name of the Project	Admin Approval cost (Rs Cr.)	Remarks
1	I&D Works and STP Dighwara	-	DPR was submitted to NMCG for I&D and STP Project. Letter has been received from NMCG on 23 rd Dec 2019 to consider the project under feacal sludge management. The compliance under progress.
2	I&D Works and STP Manihari	-	
3	I&D Works and STP Teghara	-	
4	I&D Works and STP- Jamalpur	-	

DPR preparation for the selected 15 towns under tributaries of River Ganga			
Sl. No.	Name of River	Name of the Project	Remarks
1	Koshi River	I&D Works and STP Supaul	DPR observation complied & likely to be approved in Next EC Meeting.
2		I&D Works and STP Saharsha	DPR received from consultant NEERI on 16.10.19. DPR review under process.
3		I&D Works and STP Madhepura	DPR received from consultant NEERI on 16.10.19. DPR review under process.
4	Burhi Gandak River	I&D Works and STP Muzaffarpur	DPR submitted to SMCG & NMCG. Observation on land given by TPA, Compliance under process.
5		I&D Works and STP Motihari	DPR not submitted. Under preparation by NEERI.
6		I&D Works and STP Samastipur	DPR submitted to SMCG & NMCG observation received SMCG. Compliance under process by M/s REPL.
7	Sone River	I&D Works and STP Dehri	DPR observation complied & likely to be approved in Next EC Meeting.
8		I&D Works and STP Arwal	DPR submitted to SMCG & NMCG. Approval awaited.
9		I&D Works and STP Daud Nagar	DPR not submitted. Under preparation by NEERI.
10	Gandak River	I&D Works and STP Gopalganj	DPR submitted to SMCG & NMCG. Approval awaited.
11		I&D Works and STP Bagaha	DPR submitted to SMCG & NMCG. Observation received from SMCG. Compliance under process.
12	Kiul River	I&D Works and STP Lakhisarai	DPR not submitted. Under preparation by NEERI.
13		I&D Works and STP Jammui	DPR not submitted. Under preparation by NEERI.
14	Baghmati River	I&D Works and STP Darbhanga	DPR received from consultant NEERI on 16.10.19. DPR review under process.
15	Mahananda River	I&D Works and STP Kishanganj	DPR not submitted. Under preparation by NEERI.
16	Sirsa	I&D Works and STP Raxaul	DPR not submitted. Under preparation by NEERI.
17	Sikrahan	I&D Works and STP Narkatiyaganj	DPR not submitted. Under preparation by NEERI.
18	Parmar	I&D Works and STP Jogbani	DPR not submitted. Under preparation by NEERI.
19	Ramrekha	I&D Works and STP Ramnagar (Harinagar)	DPR not submitted. Under preparation by NEERI.

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.

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	9) No. of registered Plastic Manufacturing or Recycling (including multilayer, compostable) Units. (Rule –
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			

Annexure - 4

Report No.: SLWTL/2022/GW-9696-9713

Name of the Organisation/Person: Departmental

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

Ref.Memo No: Nil

Sample Collected by SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD02/15"): Yes

Type of Sample: Ground Water

Volume of Sample: 1 Lt

Mode of Preservation: Preserved

Deviation of Method, If Any: NIL

Date of Analysis Started: 30.04.2022

Remarks: These water samples are fit for Drinking Purpose.

Source of Sample: Drinking Water

Type of Container: Plastic

Sample Condition: Sealed

Date of Sampling: 21.04.2022 to 22.04.2022

Date of Analysis Completed: 05.05.2022

Sl. No.	Block Name	Panchayat Name	Village Name	Habitation / Ward No.	Location Details		Minimum Detection Limit																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
					Latitude	Longitude	pH	Turb	EC	TDS	TH	Ca	Mg	Cl	Alkalinity	Fe	NO ₃	SO ₄	F	As	Mn	T.Coll																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
							Desirable Limit	NR	5	-	2000	600	200	75	30	250	200	1	NR	400	1.5	NR	0.3	NR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Note: * (i) Drinking Water Specification Second Revision-IS: 10300:2012, ND=Not Done, NR=Not Required, ** Shall not be detectable in any 100 ml sample, *** These parameters are not included in Scope of Accreditation.

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

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

END OF TEST REPORT

Signature of Lab-in-charge

Signature of Lab-in-charge

SLWTL P.H.E.D, Patna



STATE LEVEL WATER TESTING LABORATORY
P.H.E.D., GOVERNMENT OF BIHAR
TEST REPORT

URL No.: JCS7522200000334P

Format No.: SLWTL/FRM/02
Issue No.: 334
Issue Date: 15.06.2022
Date of Reporting: 15.06.2022
Certificate No.: JCS7522

Report No.: SLWTL/2022/GW-10730-10747
Name of the Organisation/Person: Departmental
Location Details: Katheri, District (River Name: Ganga)

Ref. Memo No.: Nil
Sample Collected by: SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD/02/15"): Yes

Type of Sample: Ground Water
Volume of Sample: 1 Lt

Mode of Preservation: Preserved
Deviation of Method, if Any: Nil

Date of Analysis Started: 09.06.2022
Remarks: These water samples are fit for Drinking Purpose.

Date of Analysis Started: 09.06.2022																							
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															
Minimum Detection Limit*								pH	Turb NTU	EC µmho/cm	TDS mg/l	TH mg/l	Ca mg/l	Mg mg/l	Cl mg/l	Alka mg/l	Fe mg/l	NO ₃ mg/l	SO ₄ mg/l	F mg/l	As mg/l	Mn*** mg/l	T.Coli** MPN/100ml
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	Absent
1	Kurseela	E.Muradpur	Basuhar	Majadhy (Basuhar)04	Bindeshwari Jaiswal	25.457202	87.268751	7.28	<4.0	1225.00	796.00	484	101.00	56.37	159.92	382	0.38	5.04	60.00	0.18	0.002	<0.01	Absent
2	Kurseela	N.Muradpur	Dehbur	Bairni†1	Ramanand Yadav	25.457250	87.268748	7.62	<4.0	704.10	458.00	272	57.11	31.10	61.96	280	0.12	8.55	45.20	0.13	0.002	<0.01	Absent
3	Kurseela	E.Muradpur	Majadhy	Kamlaiah†08	Babulal Sharma	25.457203	87.268731	7.68	<4.0	612.10	398.00	224	48.09	25.27	63.96	186	0.71	7.74	31.00	0.12	0.003	<0.01	Absent
4	Manihari	Kumarapur	Kumarapur	Rasulpur†02	Bhola Thakur	25.457101	87.246031	7.95	<4.0	744.10	484.00	288	60.92	33.04	77.96	210	0.48	4.65	38.20	0.25	0.004	<0.01	Absent
5	Manihari	Dilapur	Dilapur	Bandh Tola†06	Rajesh Jha	25.453201	87.236231	7.56	<4.0	839.10	546.00	332	70.54	37.90	81.95	316	0.49	8.52	31.00	0.11	<0.002	<0.01	Absent
6	Manihari	Manihari	Dogachhi	Do Gachhi†03	Maso, Mahesvari	25.453205	87.301631	7.66	<4.0	328.70	24.00	120	27.25	12.63	169.91	106	0.75	7.07	38.70	0.22	0.002	<0.01	Absent
7	Manihari	Badhar	Badhar	Mirapur†13	Jannardan Yadav	25.453607	87.357241	7.63	<4.0	480.50	312.00	144	33.66	14.58	37.98	122	0.82	1.35	9.80	0.24	0.003	<0.01	Absent
8	Arndabad	East Karimnagar	patnagar	patnagar†2	Ishwer Mandal	25.453608	87.526132	7.96	<4.0	823.20	534.00	324	68.94	36.93	27.98	342	0.31	<1.0	9.20	0.17	0.002	<0.01	Absent
9	Arndabad	Hasanpur	Vidhura	Vidhura†06	U.M.S	25.536178	87.632163	7.43	<4.0	320.70	208.00	112	25.65	11.66	73.96	110	0.76	<1.0	17.10	0.26	<0.002	<0.01	Absent
10	Arndabad	Charmanari	Charmanari	Charmanari†10	Rahul Kumar	25.627151	87.246171	7.57	<4.0	292.40	190.00	108	25.65	10.69	35.98	128	0.52	5.44	22.80	0.29	<0.002	<0.01	Absent
11	Samell	Muradpur	Kalkadan Milk	Badhaya Tola†15	Laxman Sharma	25.316154	87.517126	7.50	<4.0	518.80	336.00	164	38.47	16.52	89.95	200	0.52	5.44	22.80	0.29	<0.002	<0.01	Absent
12	Samell	Muradpur	Mosanda Milk	Mandal Tola†02	Satyam Singh	25.431671	87.615213	7.68	<4.0	1199.00	780.00	472	99.39	54.43	63.96	342	0.79	7.14	60.40	0.37	0.002	<0.01	Absent
13	Samell	Muradpur	Muradpur	Nazir Chakla†09	Chulhai Mahadar	25.717205	87.486713	7.65	<4.0	342.00	222.00	128	28.86	13.60	39.98	128	0.11	2.24	5.60	0.13	<0.002	<0.01	Absent
14	Samell	Maharia	Bakni	Bakni†11	Mangal Rishi	25.507131	87.375121	7.46	<4.0	429.00	278.00	136	30.46	14.58	41.97	146	0.41	<1.0	17.00	0.07	<0.002	<0.01	Absent
15	Barani	Barani	Barani	Ward No-06	Pawan Sharma	25.495121	87.487173	7.60	<4.0	338.30	220.00	128	30.46	12.63	29.98	162	0.48	<1.0	9.60	0.14	<0.002	<0.01	Absent
16	Barani	Barani	Barani Haat	Barani Haat†05	Chandra Shekhar Jha	25.486121	87.236121	7.35	<4.0	992.40	644.00	460	48.09	82.62	29.98	388	0.59	4.34	19.50	0.06	0.302	<0.01	Absent
17	Barani	Barani	Barani	Barani Haat	M. V. Devi Barala	25.507121	87.246131	7.65	<4.0	941.40	612.00	436	91.38	50.54	179.91	396	0.66	1.31	50.40	0.16	<0.002	<0.01	Absent
18	Barani	Bishanpur	Dhara	Dhara†05	Rajesh Choudhary	25.490121	87.375921	7.54	<4.0	354.00	230.00	132	30.46	13.60	49.97	120	0.84	<1.0	18.50	0.18	<0.002	<0.01	Absent

Note: * (0) Drinking Water Specification Second Revision -IS: 10500:2012, NC=Not Done, NR=Not Required, ** Shall not be detectable in any 100 ml sample, *** These parameters are not included in Scope of Accreditation.

(Signature) _____

Note: (i) Drinking Water Specification Second Revision-1S: 10500-2012, ND=Not Done, NR=Not Required, ** Shall not be detectable in any 100 ml sample, *** These parameters are not included in Scope of Accreditation.
Copy forwarded to: (i) S.R.O., PHED, Govt. of Bihar, (ii) Engineer-in-Chief, PHED, Govt. of Bihar, (iii) Director, Water Quality, PHED, Govt. of Bihar
1. The results are reported based on the materials received. 2. Sample will be destroyed after 15 days from the date of issue of the test report subject to nature of preparation unless otherwise specified. 3. Sample will be preserved according to standard method. The test report shall not be reproduced except in full, without the written permission of the competent authority of the Laboratory.

— END OF TEST REPORT —

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

SLWTL P.H.E.D. Patna
Lab-in-charge
Signature of Lab-in-charge
Reference: P.H.E.D. Patna



STATE LEVEL WATER TESTING LABORATORY
P.H.E.D., GOVERNMENT OF BIHAR
TEST REPORT

Format No.: SLWTL/FRM02
Issue No.: 344
Issue Date: 18.06.2022
Date of Reporting: 18.06.2022
Certificate No.: 1C-5752

Report No.: SLWTL/2022/GW-10928-10941

Name of the Organisation/Person: Departmental

Location Details: Munger, District (River Name: Gange)

Ref Memo No.: Nil

Sample Collected by: SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD/02/15"): Yes

Type of Sample: Ground Water

Volume of Sample: 1Ltr

Mode of Preservation: Preserved

Deviation of Method, if Any: Nil

Date of Analysis Started: 15.06.2022

Remarks: These (SI No-01, 04, 05, 07, 08, 11, 12, 13, 14) water samples are not fit for Drinking Purpose.

Sl. No.	Block Name	Panchayat Name	Village Name	Habitation / Ward No.	Location Details	Latitude	Longitude	Desirable Limit																										
								pH	Turb	EC	TDS	TH	Ca	Mg	Cl	Alka	Fe	NO ₃	SO ₄	F	As	Mn	T.Coli											
Minimum Detection Limit																		6.5-8.5	1	-	2000	600	200	75	30	250	200	1	45	200	1	0.01	0.01	-
Permissible Limit in absence of alternate source																		NR	5	-	-	2000	600	200	100	1000	600	NR	NR	400	1.5	NR	0.3	**
1	Jamaipur	Parham	Parham	Ward No-13	Gramin Bank Parham	25.316473	86.440136	7.36	<4.0	1590.00	1034.00	716	149.09	83.59	209.89	682	1.11	9.05	100.40	0.25	<0.002	<0.01	Absent											
2	Jamaipur	Indruk East	Gaurpur	Ward No-08	Safabad OP	25.341398	86.467585	7.51	<4.0	628.30	408.00	212	46.49	23.32	61.96	288	0.98	4.31	44.90	0.38	<0.002	<0.01	Absent											
3	Jamaipur	Sindhia	Sindhia	Ward No-08	High School Sindhia	25.304882	86.410346	7.54	<4.0	602.40	392.00	204	44.89	22.35	29.98	116	0.40	<1.0	17.60	0.47	<0.002	<0.01	Absent											
4	Munger Sader	Mahuli	Mahuli	Ward No-14	Shiv Mandir	25.389289	86.506445	7.26	<4.0	988.10	642.00	412	88.17	46.65	125.93	346	1.52	8.32	74.00	0.44	<0.002	<0.01	Absent											
5	Munger Sader	Tarapur Diara	Tarapur Diara	Ward No-04	Sakalev Mandal	25.345769	86.543065	7.96	<4.0	1691.00	1098.00	732	150.70	86.50	233.88	580	0.20	8.64	105.40	0.22	<0.002	<0.01	Absent											
6	Munger Sader	Naugathi North	Naugathi	Ward No-01	Rajendra Mandal	25.356155	86.528547	7.56	<4.0	570.50	370.00	188	41.68	20.41	49.97	262	0.98	6.77	17.80	0.21	<0.002	<0.01	Absent											
7	Munger Sader	Katiya	Hasanpur	Ward No-11	Ramsharan Singh	25.367123	86.52847	7.25	<4.0	1528.00	994.00	684	141.08	80.67	231.88	428	1.26	8.64	102.60	0.35	<0.002	<0.01	Absent											
8	Dharhara	Hemijapur	Bar Lagma	Ward No-11	Anganben Center	25.364362	86.388479	7.15	<4.0	833.00	542.00	308	67.33	34.02	43.97	306	2.42	2.25	17.80	0.43	<0.002	<0.01	Absent											
9	Dharhara	Shivkund	Shivkund	Ward No-02	Bhagwatsihan	25.303378	86.396491	7.49	<4.0	491.80	320.00	164	36.87	17.49	17.99	188	0.99	<1.0	17.90	0.33	<0.002	<0.01	Absent											
10	Dharhara	Shivkund	Nishad Tola	Ward No-01	Ajun Singh	25.303096	86.397688	7.47	<4.0	758.00	492.00	264	56.11	30.13	53.97	242	0.79	<1.0	54.10	0.37	<0.002	<0.01	Absent											
11	Dharhara	Bahachauki	Sunderpur	Ward No-09	Kalishan	25.299316	86.364128	7.71	<4.0	448.00	292.00	148	35.27	14.58	37.98	168	1.76	<1.0	22.30	0.22	<0.002	<0.01	Absent											
12	Bariyarpur	Kathania East	Ghorghat	Ward No-03	Shiv Mandir	25.240719	86.640168	7.40	<4.0	718.50	466.00	252	56.11	27.21	83.95	260	2.69	7.79	48.70	0.38	0.004	<0.01	Absent											
13	Bariyarpur	Neeppur	Asha tola	Ward No-11	Middle School	25.274933	86.58565	7.31	<4.0	919.80	598.00	376	78.55	43.74	79.96	316	1.71	8.70	84.10	0.18	0.002	<0.01	Absent											
14	Bariyarpur	Kalyan Tola	Hanzan tola	Ward No-14	Haniman Das	25.288819	86.575559	7.63	<4.0	544.30	354.00	172	40.08	17.49	61.96	188	2.14	3.24	9.60	0.19	0.028	<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.

Copy forwarded to: (i) S.R.O., PHED, Govt. of Bihar, (ii) Engineer-in-Chief, PHED, Govt. of Bihar, (iii) Director, Water Quality, PHED, Govt. of Bihar
1. The results are reported based on the materials received. 2. Sample will be destroyed after 15 Days from the date of issue of the test report subject to nature of preparation unless otherwise specified. 3. Sample will be preserved according to standard method. The test report shall not be reproduced except in full, without the written permission of the competent authority of the Laboratory.

SLWTL P.H.E.D. Patna
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



STATE LEVEL WATER TESTING LABORATORY
P.H.E.D., GOVERNMENT OF BIHAR
TEST REPORT

Format No.: SLWTLFRM02
Issue No.: 346
Issue Date: 17.06.2022
Certificate No.: IC-5752

Report No: SLWTL/2022/GW-11048-11051
URL No.: TC575222000000346P
Date of Reporting: 17.06.2022

Name of the Organisation/Person: Departmental
Location Details: Bhagapur, District (River Name: Ganga)

Ref. Memo No: Nil
Sample Collected by: SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD/02/15"): Yes
Sample Received on: 02.06.2022

Type of Sample: Ground Water
Source of Sample: Drinking Water
Type of Container: Plastic

Volume of Sample: 1 Lt
Sample Condition: Sealed

Mode of Preservation: Preserved
Date of Sampling: 12.05.2022

Deviation of Method, if Any: Nil
Date of Analysis Completed: 16.06.2022

Remarks: These (SI No-01, 02) water samples are not fit for Drinking Purpose.

Desirable Limit*																							
		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	Natnagar	Gosaindasapur	7	Dom tola	25.241103	86.913418	7.15	<4.0	512.60	332	176	38.47	19.44	29.98	146	0.13	2.25	9.00	0.12	0.175	<0.01	Absent	
2	Natnagar	Gosaindasapur	4	Ajay Kumar	25.25725	86.90684	7.73	<4.0	1322.00	860	516	107.41	60.26	113.94	466	0.11	5.44	16.60	0.17	0.055	<0.01	Absent	
3	Natnagar	Nisambey	Nisambey/09	Shama Tola	25.205954	86.896189	7.56	<4.0	559.90	364	208	44.89	23.32	27.98	248	0.21	<1.0	5.90	0.54	<0.002	<0.01	Absent	
4	Natnagar	Belkhorla	Belkhorla	Maniyarpur/07	Harijan Tola	25.205585	86.914044	7.96	<4.0	826.30	536	344	72.14	39.85	87.95	308	0.31	<1.0	16.70	0.67	<0.002	<0.01	Absent

Note: * (i) Drinking Water Specification Second Revision -IS: 10500:2012, NO=Not Done, NR=Not Required, ** Shall not be detectable in any 100 ml sample, *** These parameters are not included in Scope of Accreditation.
Copy forwarded to: (i) S.R.O., PHED, Govt. of Bihar, (ii) Engineer-in-Chief, PHED, Govt. of Bihar, (iii) Director, Water Quality, PHED, Govt. of Bihar
1. The results are reported based on the materials received. 2. Sample will be destroyed after 15 Days from the date of issue of the test report subject to nature of preparation unless otherwise specified. 3. Sample will be preserved according to standard method. The test report shall not be reproduced except in full, without the written permission of the competent authority of the Laboratory.

END OF TEST REPORT

Signature of Lab-in-charge
Lab-in-charge
SLWTL P.H.E.D., Patna

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

URL No.: TC57522000000348P

Format No.: SLWTL/FRM/02
Issue No.: 348
Issue Date: 28.06.2022
Date of Reporting: 28.06.2022



Report No.: SLWTL/2022GW-11075-11094

Name of the Organisation/Person: Departmental

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

Rel. Memo No.: Nil

Sample Collected by SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD02/15"): Yes

Type of Sample: Ground Water

Volume of Sample: 1 Lit

Mode of Preservation: Preserved

Deviation of Method: If Any: Nil

Date of Analysis Started: 13.06.2022

Remarks: These (SI No-17) water sample is not fit for Drinking Purpose.

Remarks: These (SI NO-17) water sample is not for drinking purpose																							
Sl. No.	Block Name	Panchayat 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	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	400	1.5	NR	0.3	-	
1	Bachhawa	Dadpur	Jibazipur	Hantzen Tola/02	Binal Paswan	25.579982	85.943376	7.47	<4.0	523.20	340	184	40.08	20.41	29.98	246	0.58	<1.0	5.50	0.76	<0.002	<0.01	Absent
2	Bachhawa	Fateha	Fateha	Gangasari/08	Rajendar Sada	25.594671	85.874116	7.30	<4.0	350.90	228	128	28.86	13.60	17.99	118	0.90	<1.0	7.60	0.36	<0.002	<0.01	Absent
3	Barauni	Malhaur S	Simariya Ghat	Simariya Ghat/11	Panchu Baba	25.387086	86.010596	7.44	<4.0	526.50	342	184	40.08	20.41	31.98	206	0.63	7.37	25.30	0.16	<0.002	<0.01	Absent
4	Barauni	Simariya 1	Simariya 1	Simariya 1/13	Dinkar H.School	25.38714	86.009757	7.28	<4.0	402.60	262	144	32.06	15.55	31.98	116	0.48	<1.0	35.50	0.88	<0.002	<0.01	Absent
5	Barauni	Pipra Devas	Pipra Dih	Pipra Dih/07	Shibu Yadav	25.467577	86.021697	7.31	<4.0	521.30	338	184	40.08	20.41	57.97	142	0.84	2.17	21.50	0.40	<0.002	<0.01	Absent
6	Barauni	Papaur	Papaur	Papaur/09	Rajeev Rai	25.441173	86.028569	7.72	<4.0	413.40	268	148	33.66	15.55	79.96	168	0.91	2.17	20.20	0.51	0.005	<0.01	Absent
7	S Kamal	Ragu. Barai	Chharapit	Chharapit/05	Ganga Mochi	25.423417	86.443754	7.40	<4.0	495.50	322	168	38.47	17.49	49.97	200	0.54	<1.0	20.50	0.05	<0.002	<0.01	Absent
8	S Kamal	Ragu. Barai	Chharapit	Chharapit/03	Durga Ashtan	25.419291	86.446738	7.41	<4.0	337.90	218	120	27.25	12.63	19.99	142	0.68	8.42	33.30	0.07	0.009	<0.01	Absent
9	S Kamal	Ragu. Barai	Pachaver	Pachaver/06	Shiv Maho	25.40654	86.381556	7.37	<4.0	795.40	516	324	68.94	36.93	93.95	342	0.95	<1.0	55.80	0.07	<0.002	<0.01	Absent
10	Malhaur	Balehaur 2	Nayagaon	Nayagaon/04	Jania H.School	25.36058	86.205849	7.58	<4.0	401.20	260	144	32.06	15.55	49.97	128	0.36	<1.0	55.20	0.12	<0.002	<0.01	Absent
11	Malhaur	Malhaur	Nayagaon	Nayagaon/04	Block Campus	25.373174	86.160457	7.32	<4.0	393.50	256	140	33.66	13.60	21.98	200	0.51	<1.0	20.30	0.14	<0.002	<0.01	Absent
12	Malhaur	Malhaur	Malhaur	Malhaur/01	Block Campus	25.373174	86.160457	7.32	<4.0	572.00	372	200	43.28	22.35	61.96	216	0.78	<1.0	39.30	0.15	<0.002	<0.01	Absent
13	Malhaur	Malhaur	Malhaur	Malhaur/01	Block Campus	25.373174	86.160457	7.32	<4.0	572.00	372	200	43.28	22.35	61.96	216	0.78	<1.0	39.30	0.15	<0.002	<0.01	Absent
14	Malhaur	Malhaur	Malhaur	Malhaur/01	Block Campus	25.373174	86.160457	7.32	<4.0	572.00	372	200	43.28	22.35	61.96	216	0.78	<1.0	39.30	0.15	<0.002	<0.01	Absent
15	Malhaur	Malhaur	Malhaur	Malhaur/01	Block Campus	25.373174	86.160457	7.32	<4.0	572.00	372	200	43.28	22.35	61.96	216	0.78	<1.0	39.30	0.15	<0.002	<0.01	Absent
16	Malhaur	Malhaur	Malhaur	Malhaur/01	Block Campus	25.373174	86.160457	7.32	<4.0	572.00	372	200	43.28	22.35	61.96	216	0.78	<1.0	39.30	0.15	<0.002	<0.01	Absent
17	Malhaur	Malhaur	Malhaur	Malhaur/01	Block Campus	25.373174	86.160457	7.32	<4.0	572.00	372	200	43.28	22.35	61.96	216	0.78	<1.0	39.30	0.15	<0.002	<0.01	Absent
18	Malhaur	Malhaur	Malhaur	Malhaur/01	Block Campus	25.373174	86.160457	7.32	<4.0	572.00	372	200	43.28	22.35	61.96	216	0.78	<1.0	39.30	0.15	<0.002	<0.01	Absent
19	Malhaur	Malhaur	Malhaur	Malhaur/01	Block Campus	25.373174	86.160457	7.32	<4.0	572.00	372	200	43.28	22.35	61.96	216	0.78	<1.0	39.30	0.15	<0.002	<0.01	Absent
20	Malhaur	Malhaur	Malhaur	Malhaur/01	Block Campus	25.373174	86.160457	7.32	<4.0	572.00	372	200	43.28	22.35	61.96	216	0.78	<1.0	39.30	0.15	<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.

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

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

— END OF TEST REPORT —

SLWTL PHED, Patna
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



STATE LEVEL WATER TESTING LABORATORY		Formal No.: SLWTL/FRM/02
P.H.E.D., GOVERNMENT OF BIHAR		Issue No.: 350
TEST REPORT		Issue Date: 17.06.2022
URL No.: TCS7522200000350P		Date of Reporting: 17.06.2022
Certificate No.: TC-5152		

Report No: SLWTL/2022/GW-11124-11133
Name of the Organisation/Person: Departmental
Location Details: Khagana, District (River Name: Ganga)
Ref Memo No: Nil
Sample Collected by: SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD/02/15"): Yes
Type of Sample: Ground Water
Volume of Sample: 1 Lt
Mode of Preservation: Preserved
Deviation of Method, If Any: Nil
Date of Analysis Started: 13.06.2022

Remarks: These water samples are fit for Drinking Purpose.
Sample Received on: 03.06.2022
Source of Sample: Drinking Water
Type of Container: Plastic
Sample Condition: Sealed
Date of Sampling: 24.05.2022 to 01.06.2022
Date of Analysis Completed: 16.06.2022

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	mg/l
Minimum Detection Limit																							
Desirable Limit																							
								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	**
Permissible Limit in absence of alternate source																							
1	Prabhatia	Bharatkhand	Bharatkhand	Dudhela/09	Shri Munilal Muni	25.387642	86.826888	7.42	<4.0	296.00	192.00	120	27.25	12.63	59.97	128	0.76	<1.0	13.30	0.44	<0.002	<0.01	Absent
2	Prabhatia	Bharatkhand	Bharatkhand	Vulvadoh/08	Fulio Prasad Yadav	25.379268	86.815915	7.54	<4.0	303.60	196.00	124	28.86	12.63	21.98	124	0.96	<1.0	18.20	0.39	<0.002	<0.01	Absent
3	Parbatia	Lagar	Lagar	Ward No.-7	Dikrushi Yadav	25.296585	86.756251	7.36	<4.0	376.00	244.00	140	32.06	14.58	27.98	180	0.57	<1.0	19.30	0.18	0.006	<0.01	Absent
4	Khagaria	Babhangama	Babhangama	Babhangama/05	Shri Parmeshwar Mishri	25.533581	86.388192	7.55	<4.0	415.30	270.00	156	36.87	15.55	39.98	196	0.16	<1.0	35.30	0.11	<0.002	<0.01	Absent
5	Khagaria	Olapur Gangour	Olapur Gangour	Ward No.-8	Dharam Singh	25.507513	86.3424	7.64	<4.0	368.00	240.00	136	30.46	14.58	109.94	120	0.92	7.70	48.10	0.09	<0.002	<0.01	Absent
6	Khagaria	Babhangama	Babhangama	Dhusmar/08	Shri Bhola Sah	25.54374	86.410663	7.62	<4.0	498.40	324.00	184	40.08	20.41	28.98	246	0.82	<1.0	12.20	0.06	<0.002	<0.01	Absent
7	Gogri	Borna	Borna	Chhoti Borna/03	Md. Atahullah Ansari	25.433749	86.621267	7.67	<4.0	355.00	230.00	128	28.86	13.60	29.98	188	0.63	<1.0	16.70	0.11	<0.002	<0.01	Absent
8	Gogri	Rampur	Rampur	Rampur/07	Near Shiv Mandir	25.406042	86.656717	7.56	<4.0	404.30	262.00	148	35.27	14.58	47.97	116	0.77	<1.0	30.90	0.11	0.004	<0.01	Absent
9	Gogri	Ratan	Ratan	Ward No.-17	Bipin Kumar	25.425014	86.643632	7.69	<4.0	835.20	542.00	356	75.35	40.82	41.97	308	1.00	<1.0	31.20	0.04	0.009	<0.01	Absent
10	Gogri	Ratan	Ratan	Ward No.-18	Gurusewan Yadav	25.423172	86.643947	7.60	<4.0	280.90	182.00	112	25.65	11.66	31.98	120	0.51	<1.0	15.40	0.19	0.007	<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.
Copy forwarded to: (i) S.R.O., PHED, Govt. of Bihar, (ii) Engineer-in-Chief, PHED, Govt. of Bihar, (iii) Director, Water Quality, PHED, Govt. of Bihar
1. The results are reported based on the materials received. 2. Sample will be destroyed after 15 Days from the date of issue of the test report subject to nature of preparation unless otherwise specified. 3. Sample will be preserved according to standard method. The test report shall not be reproduced except in full, without the written permission of the competent authority of the Laboratory.
— END OF TEST REPORT —

Signature of Lab-in-charge
SLWTL Representative D. Patna

Prepared by: <i>Shyam Sundar</i>	Approved by: <i>Dr. S. S. S. S. S.</i>	Issued by: <i>Dr. S. S. S. S. S.</i>	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/FRM02
Issue No.:355
Issue Date: 18.06.2022
Date of Reporting: 18.06.2022
Certificate No.: C-5732

Report No: SLWTL/2022/GW-11419-11432

Name of the Organisation/Person: Departmental

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

Ref/Memo No: Nil

Sample Collected by SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD/02/15"): Yes

Type of Sample: Ground Water

Volume of Sample: 1 Ltr

Mode of Preservation: Preserved

Deviation of Method: If Any: NIL

Date of Analysis Started: 15.06.2022

Remarks: These water samples are fit for Drinking Purpose.

Sl. No.	Block Name	Panchayat Name	Village Name	Habitation / Ward No.	Location Details	Latitude	Longitude	Physico - Chemical and Bacteriological Parameters															
								Water Quality Parameters															
								pH	Turb	EC	TDS	TH	Ca	Mg	Cl	Alk	Fe	NO ₃	SO ₄	F	As	Mn	T.Coli
								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	0.02	0.01	-
								Desirable Limit	5	-	500	500	75	30	250	200	1	45	200	1	0.01	0.1	-
								Permissible Limit* in absence of alternate source	NR	-	2000	600	200	100	1000	600	NR	400	1.5	NR	0.3	-	**
1	Bakhtiyarpur	Ghosvari	Ghosvari	Badli Toll/04	Kali Ashan	25.470897	85.493625	7.39	<4.0	1027.00	668	432	89.78	50.54	59.97	348	0.88	3.47	68.60	0.30	<0.002	<0.01	Absent
2	Bakhtiyarpur	Hardaspur	Hardaspur/01	Kanu Mahto	25.520834	85.4741236	7.41	<4.0	965.10	628	416	86.57	48.60	29.98	368	0.70	1.68	11.60	0.15	<0.002	<0.01	Absent	
3	Bakhtiyarpur	Rupas Mahajee	Manraahi	Manraahi/03	Banshi Raj Singh	25.511248	85.466112	7.31	<4.0	970.70	630	416	86.57	48.60	63.96	316	0.67	6.56	71.70	0.09	<0.002	<0.01	Absent
4	Bakhtiyarpur	Sarkati	Sarkati	Sarkati/12	Bharat Paswan	25.392151	85.734191	7.56	<4.0	603.60	392	200	43.28	22.35	25.98	208	0.64	<1.0	18.90	0.40	<0.002	<0.01	Absent
5	Belchhi	Andauli	Darveshpur	Darveshpur/06	High School	25.355145	85.719244	7.58	<4.0	641.00	416	224	48.09	25.27	29.98	242	0.45	<1.0	13.80	0.45	0.002	<0.01	Absent
6	Bakhtiyarpur	Ekdanga	Ekdanga/04	Manni Ram	25.391496	85.705261	7.70	<4.0	1022.00	664	428	89.78	49.57	119.98	388	0.55	3.65	39.10	0.32	<0.002	<0.01	Absent	
7	Bakhtiyarpur	Ibrahimpur	Malahi	Malahi/15	Kali Mandir	25.461707	85.686780	7.51	<4.0	903.10	586	380	80.16	43.74	59.97	306	0.58	5.18	41.40	0.27	<0.002	<0.01	Absent
8	Pandarak	Ajra Bakna	Bakna	Bakna/06	Ramjanam Singh	25.362891	85.790121	7.61	<4.0	786.90	510	332	73.75	35.96	57.97	318	0.91	<1.0	47.40	0.55	0.003	<0.01	Absent
9	Pandarak	Ajra Bakna	Bakna	Bakna/08	Sanket Bhairi Singh	25.362742	85.792930	7.64	<4.0	665.40	432	236	52.90	25.27	37.98	288	0.50	<1.0	30.20	0.63	0.002	<0.01	Absent
10	Pandarak	Ajra Bakna	Bakna	Chakrahi/04	Sabai Kumar Singh	25.376868	85.793634	7.67	<4.0	620.80	404	216	46.49	24.30	31.98	268	0.80	<1.0	18.90	0.50	<0.002	<0.01	Absent
11	Pandarak	Ajra Bakna	Imadpur	Imadpur/02	Gulu Mahto	25.377926	85.793022	7.69	<4.0	600.90	390	200	44.89	21.38	19.99	242	0.77	<1.0	13.00	0.53	0.004	<0.01	Absent
12	Mokama	Daryapur	Daryapur	Daryapur/08	Bablu Kumar	25.381521	85.971512	7.37	<4.0	1006.00	654	416	86.57	48.60	89.95	340	0.66	8.34	40.90	0.34	0.002	<0.01	Absent
13	Mokama	Daryapur	Daryapur	Daryapur/09	Bindo Saw	25.382919	85.968716	7.51	<4.0	800.30	520	340	73.75	37.90	49.97	306	0.52	6.42	29.90	0.40	0.002	<0.01	Absent
14	Mokama	Daryapur	Daryapur	Daryapur/02	Arun Choudhary	25.380782	85.953744	7.40	<4.0	1020.00	664	428	91.38	48.60	77.96	382	0.48	8.59	39.60	0.40	<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.

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

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

Signature of Lab-in-charge
Lab-in-charge
SLWTL P.H.E.D., Patna

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

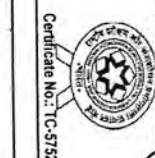


STATE LEVEL WATER TESTING LABORATORY
P.H.E.D., GOVERNMENT OF BIHAR

TEST REPORT

URL No.: IC57522200000362P

Format No.: SLWTL/FRM02
Issue No.: 362
Issue Date: 21.06.2022



Certificate No.: IC-5752

Report No.: SLWTL/2022/GW-11652-11662

Name of the Organisation/Person: Departmental

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

Ref. Memo No.: Nil

Sample Collected by SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD02/15"): Yes

Type of Sample: Ground Water

Volume of Sample: 1 Lt

Mode of Preservation: Preserved

Deviation of Method: If Any: Nil

Date of Analysis Started: 16.06.2022

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	Alk	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	0.002	0.01	-		
Desirable Limit								5	1	-	200	200	75	30	250	200	1	45	200	1	0.01	0.1	-	
Permissible Limit* in absence of alternate source								NR	5	-	2000	600	100	100	1000	600	NR	NR	400	1.5	NR	0.3	-	
1	Manjhi	Balesara	Balesara	Balesara/06	Panchayat Bhawan	25.910353	84.603604	7.44	<4.0	710.10	462	284	56.11	34.99	11.99	288	0.30	<1.0	14.40	0.46	<0.002	<0.01	Absent	
2	Manjhi	Baharoliya	Baharoliya	Baharoliya/01	Opposite of Pokhar	25.914877	84.547886	7.40	<4.0	1172.00	762	436	84.97	54.43	147.92	342	0.24	4.70	29.40	0.18	0.003	<0.01	Absent	
3	Manjhi	Chetuli	Chetuli	Chetuli/05	Shiv Temple	25.910674	84.507290	7.59	<4.0	642.20	416	248	49.69	30.13	21.98	206	0.12	1.09	7.80	0.45	<0.002	<0.01	Absent	
4	Manjhi	Daudpur	Daudpur	Daudpur/03	Highway Side	25.914791	84.585130	7.72	<4.0	554.00	360	216	41.68	27.21	13.99	188	<0.01	<1.0	6.30	0.22	<0.002	<0.01	Absent	
5	Riviganj	Slab Diyara	Rameshwar Tola	Rameshwar Tola/01	Braham Ashan	25.764704	84.607060	7.64	<4.0	708.30	458	272	52.90	34.02	41.97	262	0.22	4.66	17.00	0.11	0.002	<0.01	Absent	
6	Riviganj	Slab Diyara	Lala Tola	Lala Tola/02	Bin Toll	25.763154	84.606987	7.80	<4.0	590.90	384	224	46.49	26.24	15.99	180	0.04	<1.0	12.00	0.13	<0.002	<0.01	Absent	
7	Riviganj	Slab Diyara	Lala Tola	Lala Tola/02	JP Trust	25.763116	84.607693	7.80	<4.0	732.00	476	300	60.92	35.96	13.99	228	0.18	5.04	23.50	0.12	<0.002	<0.01	Absent	
8	Chapra Sadar	Chirad	Lodipur	Lodipur/02	Nal Jal Tank	25.746177	84.826070	7.74	<4.0	621.30	404	236	49.69	27.21	13.99	246	0.20	<1.0	10.70	0.37	<0.002	<0.01	Absent	
9	Chapra Sadar	Rajpur Bindganwa	Bahwan Tola	Bahwan Tola/04	Mishri Rai	25.706185	84.843350	7.43	<4.0	736.30	478	296	60.92	34.99	21.98	218	0.50	<1.0	12.10	0.11	0.007	<0.01	Absent	
10	Chapra Sadar	Musepur	Kansdyara	Ward No-08	Ram Babu Rai	25.740246	84.898974	7.65	<4.0	713.00	464	284	57.71	34.02	19.99	200	0.41	<1.0	21.90	0.18	0.002	<0.01	Absent	
11	Chapra Sadar	Dumri	Dumri	Ward No-09	Rameshwar Manjhi	25.735964	84.877343	7.44	<4.0	1128.00	734	456	88.17	57.35	59.97	340	<0.01	8.07	31.40	0.16	0.003	<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.

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

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

END OF TEST REPORT

Lab-in-charge
P.H.E.D., Patna

Signature of Lab-in-charge

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

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

TEST REPORT



Certificate No.: C-5752

Date of Reporting: 25.06.2022

URL No.: IC57522200000366P

Report No.: SLWTL/2022/GW-11838-11848
Name of the Organisation/Person: Departmental
Location Details: Bhagalpur, District (River Name: Ganga)

Sample Received on: 16.06.2022

Ref. Memo No: Nil

Source of Sample: Drinking Water

Sample Collected by SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD02/15"): Yes

Type of Container: Plastic

Volume of Sample: 1 Lit

Sample Condition: Sealed

Mode of Preservation: Preserved

Date of Sampling: 10.06.2022 to 14.06.2022

Deviation of Method, if Any: Nil

Date of Analysis Completed: 24.06.2022

Date of Analysis Started: 21.06.2022

Remarks: These (SI No-01, 04, 05, 08, 11) water samples are not fit for Drinking Purpose.

Remarks: These (S) No-01, 04, 05, 08, 11) water samples are not fit for Drinking Purpose.										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	mg/l			
								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	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				
								Permissible Limit in absence of alternate source																		
1	Pipraint	Rani dyara	Ranidyara	Ranidyara	Shipati Singh	25.316846	87.430211	7.31	<4.0	1686.00	1096	516	104.21	62.21	211.89	642	0.29	8.62	82.00	0.32	<0.002	<0.01	Absent			
2	Pipraint	Rani dyara	Ranidyara	Ranidyara	Jagdish Pasman	25.31794	87.429582	7.36	<4.0	830.30	540	348	76.95	46.65	37.98	316	0.28	8.12	31.60	0.61	<0.002	<0.01	Absent			
3	Pipraint	Rajgaom Arai	Sawaya	Sawaya	Mahant Sihan	25.290768	87.420758	7.37	<4.0	580.90	378	236	49.69	27.21	13.99	208	0.67	2.31	19.00	0.70	<0.002	<0.01	Absent			
4	Kahaigaon	Kisandaspur	Barolia	Barolia09	Barolia Chock	25.266238	87.23666	7.44	<4.0	1475.00	958	416	83.36	50.54	161.91	416	1.32	8.36	79.20	0.52	<0.002	<0.01	Absent			
5	Kahaigaon	Kisandaspur	Barolia	Barolia07	Kapilev Mandal	25.263627	87.23379	7.39	<4.0	1395.00	906	396	76.95	49.57	131.93	442	1.40	8.53	81.90	0.98	<0.002	<0.01	Absent			
6	Kahaigaon	Ogari	Ogari	Ogari06	Ogari	25.258501	87.232444	7.23	<4.0	1510.00	982	424	84.97	51.51	129.93	480	0.23	8.31	74.70	0.26	<0.002	<0.01	Absent			
7	Kahaigaon	Birbanna	Birbanna	Birbanna12	Birbanna	25.260627	87.232201	7.45	<4.0	1179.00	766	376	76.95	44.71	85.95	388	0.55	8.18	131.70	0.41	<0.002	<0.01	Absent			
8	Sullanganj	Jahangira	Dom tola	Dom tola11	Dom tola	25.241836	86.766579	7.07	<4.0	1923.00	1250	496	99.39	60.26	211.89	692	0.88	8.49	44.40	0.28	<0.002	<0.01	Absent			
9	Sullanganj	Kamarganj	Chabura Bagicha	Chabura Bagicha08	Durga Sihan	25.241728	86.692058	7.24	<4.0	826.10	536	244	49.69	29.16	31.98	316	0.45	3.10	105.90	0.43	<0.002	<0.01	Absent			
10	Sullanganj	Kathara	Kathara	Nidharal06	Dev Sihan	25.161139	86.73928	7.77	<4.0	1601.00	1040	552	109.01	66.04	167.91	600	0.80	8.37	113.50	0.91	<0.002	<0.01	Absent			
11	Sullanganj	Kathara	Kathara	Kumarpur10	Near Aganbadi Kendra	25.177988	86.765048	7.60	<4.0	1863.00	1210	432	84.97	53.46	203.89	618	0.71	8.44	89.50	0.95	<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.
Copy forwarded to: (i) S.R.O., PHED, Govt. of Bihar, (ii) Engineer-in-Chief, PHED, Govt. of Bihar, (iii) Director, Water Quality, PHED, Govt. of Bihar
1. The results are reported based on the materials received. 2. Sample will be destroyed after 15 Days from the date of issue of the test report subject to nature of preparation unless otherwise specified. 3. Sample will be preserved according to standard method. The test report shall not be reproduced except in full, without the written permission of the competent authority of the Laboratory.

Signature of Lab-in-charge
S.L.W.T.L. P.H.E.D., Patna

Prepared by:

Approved by:

Issued by:

Page 1 of 1

Revision No.: 0

Revision Date: Nil

Quality Manager

S.R.O. cum Technical Manager

Research Assistant cum Lab-in-charge



STATE LEVEL WATER TESTING LABORATORY
P.H.E.D., GOVERNMENT OF BIHAR
TEST REPORT

Format No.: SLWTLFRM02
Issue No.: 370
Issue Date: 23.06.2022
Date of Reporting: 23.06.2022



Certificate No.: TC-5752

Report No.: SLWTL/2022/GW-11927-11941

Name of the Organisation/Person: Departmental

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

Rel. Memo No.: Nil

Sample Collected by SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD/02/15"): Yes

Type of Sample: Ground Water

Volume of Sample: 1 Lt

Mode of Preservation: Preserved

Deviation of Method, if Any: Nil

Date of Analysis Started: 20.06.2022

Remarks: These water samples are fit for Drinking Purpose.

Remarks: These water samples are in violation of drinking water quality standards.																							
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	Alk	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	mg/l
								2.0	4.0	1.0	500	200	75	30	250	100	1	45	200	1	0.01	0.01	-
								Desirable Limit	NR	5	2000	600	200	100	1000	600	NR	NR	400	1.5	NR	0.3	**
								Minimum Detection Limit	NR	5	-	-	-	-	-	-	-	-	-	-	-	-	-
								Permissible Limit in absence of alternate source															
1	Badhiya	Anjanighat	Narsinghpalli	Bhumihar Tola/07	Ramesh Singh	25.275028	86.023167	7.52	<4.0	631.20	410	224	46.49	26.24	63.96	248	0.40	<1.0	4.90	0.41	<0.002	<0.01	Absent
2	Badhiya	Badhiya	Badhiya/14	M School	M School	25.270976	86.023629	7.60	<4.0	459.90	298	164	35.27	18.47	75.96	192	0.82	<1.0	39.90	0.29	<0.002	<0.01	Absent
3	Badhiya	Dumri	Dhitrader	Dhitrader/13	Vikash Mandal	25.195636	86.109321	7.71	<4.0	410.40	266	148	30.46	17.49	73.96	202	0.69	<1.0	24.10	0.45	<0.002	<0.01	Absent
4	Badhiya	Elmighat	Turkeyani	Turkeyani/16	Rajesh Mathur	25.203983	86.077297	7.78	<4.0	488.60	316	204	43.28	23.33	59.97	184	0.62	<1.0	33.60	0.30	<0.002	<0.01	Absent
5	Lakhisarai	Amahara	Amahara	Muslim Tola/09	Md.Shab	25.181535	86.153371	7.60	<4.0	472.90	306	192	40.08	22.35	67.96	164	0.22	6.59	98.70	0.60	<0.002	<0.01	Absent
6	Lakhisarai	Bahangama	Bahangama	Bahangama/03	Pramod Singh	25.193193	86.174387	7.55	<4.0	813.50	528	316	56.11	42.77	99.95	222	0.95	<1.0	22.10	0.32	<0.002	<0.01	Absent
7	Lakhisarai	Damadarapur	Bhaurua	Bhaurua/10	Panchayat Bhawan	25.223727	86.213126	7.88	<4.0	970.90	630	348	72.14	40.82	39.98	232	0.59	<1.0	16.30	0.31	<0.002	<0.01	Absent
8	Suryagaraha	Abgail Rampur	Husaina	Husaina/11	Masjid	25.264564	86.276954	7.62	<4.0	1260.00	818	476	97.79	56.37	59.97	264	0.32	2.11	35.70	0.35	<0.002	<0.01	Absent
9	Suryagaraha	Banshipur	Amarpur	Amarpur/10	Kurmi Tola	25.288841	86.328037	7.91	<4.0	669.10	434	232	51.30	25.27	63.97	194	0.09	<1.0	28.30	0.44	<0.002	<0.01	Absent
10	Suryagaraha	Chaura Rajpur	Bhagajpur	Bhagajpur/06	P.S Bhagajpur	25.214359	86.320892	7.57	<4.0	472.40	306	196	41.68	22.35	69.95	240	0.61	<1.0	37.10	0.53	<0.002	<0.01	Absent
11	Suryagaraha	Chaura Rajpur	Rajpur	Chimar Tola/02	Ramesh Das	25.264031	86.310865	7.53	<4.0	1232.00	800	464	92.98	56.37	69.96	244	0.53	<1.0	14.80	0.61	<0.002	<0.01	Absent
12	Pipariya	Ranchhandrapur	Tani Par	Tani Par/03	Samudak Bhawan	25.235772	86.119983	7.75	<4.0	359.90	234	148	32.06	16.52	59.97	196	0.49	<1.0	15.50	0.33	<0.002	<0.01	Absent
13	Pipariya	Saidpura	Anandpur	Anandpur/14	Chandan Mandal	25.242424	86.221175	7.62	<4.0	840.10	546	364	75.35	42.77	39.98	250	0.42	5.62	32.30	0.41	<0.002	<0.01	Absent
14	Pipariya	Walipur	Walipur	Baba Tola/02	Suresh Singh	25.244437	86.138144	7.47	<4.0	615.90	400	244	51.30	28.19	33.98	208	0.53	7.98	29.10	0.25	<0.002	<0.01	Absent
15	Pipariya	Aolpur	Aolpur	Goldpar/12	Hanuman Mandir	25.238984	86.129207	7.83	<4.0	422.10	274	172	35.27	20.41	69.96	228	0.49	4.09	38.00	0.22	<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.

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

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

— END OF TEST REPORT —

(Signature of Lab-In-Charge)
Lab-In-Charge
SLWTL P.H.E.D., Patna

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

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

TEST REPORT

URL No: TC5/522200000371P

Format No.: SLWTL/FRM02
Issue No.: 371
Issue Date: 25.06.2022
Date of Reporting: 25.06.2022

Certificate No.: TC-5752

Report No: SLWTL/2022/GW-11943-11950

Name of the Organisation/Person: Departmental

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

Ref Memo No: Nil

Sample Collected by SLWTL (SLWTL collect sample followed by the Sampling Procedure "SLWTL/PCD02/15") Yes

Type of Sample: Ground Water

Volume of Sample: 1 Lt

Mode of Preservation: Preserved

Deviation of Method, If Any: NIL

Date of Analysis Started: 22.06.2022

Remarks: These water samples are fit for Drinking Purpose.

PHYSICO-CHEMICAL AND BACTERIOLOGICAL ANALYSIS																							
Sl. No.	Block Name	Panchayat 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
1	Sahpur	Goura	Chanoor	Ward No-14	M.S (Bhikon)	25.646986	84.498250	7.70	<4.0	574.10	374	256	51.30	31.10	21.98	282	0.14	<1.0	10.10	0.25	<0.002	<0.01	Absent
2	Sahpur	Knutha	Dharmagajpur/02	Harijan Tola	M.S	25.676320	84.33829	7.61	<4.0	543.30	352	236	49.69	27.21	27.98	278	0.14	<1.0	9.10	0.24	<0.002	<0.01	Absent
3	Sahpur	Bahoranpur	Chamanpur	Chamanpur/13	M.S	25.655410	84.454020	7.69	<4.0	563.90	366	260	51.30	32.07	19.99	288	0.08	<1.0	9.10	0.24	<0.002	<0.01	Absent
4	Sahpur	Damodarpur	Damodarpur/12	Subhnarayan Paswan	M.S	25.676320	84.434190	7.58	<4.0	763.40	496	304	60.92	36.93	45.97	292	0.81	<1.0	20.40	0.07	<0.002	<0.01	Absent
5	Bahara	Neknam Tola	Raghubar Rai Tola/04	Samudatik Bhawan	M.S	25.673960	84.674640	7.71	<4.0	612.40	398	276	56.11	33.05	21.98	308	0.17	<1.0	8.20	0.19	<0.002	<0.01	Absent
6	Bahara	Babura	Babura/03	Panchayat Bhawan	M.S	25.679730	84.782720	7.59	<4.0	526.40	342	212	43.28	25.27	23.98	244	0.15	<1.0	10.20	0.28	<0.002	<0.01	Absent
7	Bahara	Gazlepur	Fahada	Fahada/10	Panchayat Bhawan	25.685180	84.667960	7.93	<4.0	1044.00	678	376	75.35	45.68	73.96	332	0.24	<1.0	28.20	0.08	<0.002	<0.01	Absent
8	Bahara	West Gundi	Babhangawa	Babhangawa/11	M.S	25.639640	84.639350	7.49	<4.0	761.20	494	320	65.73	37.91	55.97	298	0.41	<1.0	27.20	0.16	<0.002	<0.01	Absent

Signature of Lab In-Charge

Signature of Lab In-Charge

Signature of Lab In-Charge

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

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

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

— END OF TEST REPORT —

SLWTL P.H.E.D., Patna
Signature of Lab-in-charge
25/06/2022

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

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

TEST REPORT

URL No.: TCS7522200000372P

Report No: SLWTL/2022/GW-11952-11968

Name of the Organisation/Person: Departmental

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

Ref. Memo No: Nil

Sample Collected by SLWTL (SLWTL collected sample followed by the Sampling Procedure "SLWTL/PCD0215"): Yes

Type of Sample: Ground Water

Volume of Sample: 1 Lit

Mode of Preservation: Preserved

Deviation of Method, if Any: NIL

Date of Analysis Started: 21.06.2022

Remarks: These (SI No-05, 06, 10) water samples are not fit for Drinking Purpose.

No.			Minimum Detection Limit*														Desirable Limit* 6.5-8.5													
			2.0	4.0	1.0	-	2000	600	200	75	30	250	200	1	45	200	1	0.07	0.1	-										
Permissible Limit* in absence of alternate source																														
1	Buxar	Churamanpur	Shorpur	Ward No-09	P.S	25.585296	84.009227	7.90	<4.0	493.00	320.00	196	40.08	23.33	49.98	202	0.64	<1.0	6.10	0.19	0.005	<0.01	Absent							
2	Buxar	Dalsagar	Parsiya	Ward No-06	Ashok Kumar	25.585573	84.025789	7.89	<4.0	544.10	354.00	244	51.30	28.19	39.98	210	0.22	<1.0	7.30	0.22	0.008	<0.01	Absent							
3	Buxar	Bairiya	Sapahi	Sapahi/07	Rajan Paswan	25.583342	84.077612	7.88	<4.0	760.00	494.00	232	49.69	26.24	23.98	268	0.24	1.70	14.10	0.18	<0.002	<0.01	Absent							
4	Chakki	Chanda	Bhainyar	Bhainyar/06	Unkauti Bin	25.618876	84.244873	7.79	<4.0	477.10	310.00	208	41.68	25.27	37.98	204	0.99	<1.0	19.20	0.17	0.008	<0.01	Absent							
5	Chakki	Chanda	Bedauli/04	Bedauli/04	Utkarmit Middle School	28.621375	84.250829	7.80	<4.0	619.10	402.00	300	60.92	35.96	35.98	242	1.08	<1.0	8.00	0.21	0.006	<0.01	Absent							
6	Chakki	Chakki	Bioldara	Ward No-02	Sagar Yadav	28.626792	84.221012	7.85	<4.0	469.30	304.00	196	40.05	23.33	19.99	292	1.52	<1.0	9.30	0.23	0.008	<0.01	Absent							
7	Chakki	Chakki	Vishesar dera	Ward -20	Bhagwat Yadav	25.631557	84.234966	7.85	<4.0	459.10	298.00	200	41.68	23.33	19.99	272	0.43	<1.0	9.00	0.20	0.004	<0.01	Absent							
8	Brahmpur	Yogiya	Yogiya	Ward -02	Alok Mishra	25.605363	84.257227	7.89	<4.0	492.30	320.00	224	44.89	27.21	17.99	258	0.64	<1.0	7.90	0.44	0.003	<0.01	Absent							
9	Brahmpur	Yogiya	Yogiya	Ward -06	Kail Ashan	28.604449	84.251912	7.88	<4.0	509.10	330.00	228	46.49	27.21	19.99	264	0.78	<1.0	8.90	0.44	0.006	<0.01	Absent							
10	Brahmpur	Yogiya	Olhviya	Ward -09	Muifi Paswan	25.611169	84.261787	7.83	<4.0	522.40	338.00	244	51.30	28.19	29.98	288	1.59	<1.0	22.90	0.45	0.006	<0.01	Absent							
11	Chausa	Jailpur	Jailpur	Jailpur/11	Salendra Rai	25.572939	84.142541	7.69	<4.0	536.10	348.00	224	44.89	27.21	37.98	280	0.44	<1.0	10.10	0.25	0.003	<0.01	Absent							
12	Chausa	Pawani	Pawani	Pawani/09	Ramawtar Ram	25.521701	83.958101	7.93	<4.0	510.40	330.00	212	43.28	25.27	37.98	212	0.25	<1.0	4.00	0.19	0.006	<0.01	Absent							
13	Chausa	Banapur	Banapur	Banapur/06	Chhotu Singh	25.531825	83.970321	7.45	<4.0	633.70	412.00	236	48.09	28.19	39.98	272	0.27	<1.0	19.30	0.29	<0.002	<0.01	Absent							
14	Simari	Kathar	Balbeira	Ward-18	Ranjan Pandey	25.642788	84.106150	7.70	<4.0	534.10	346.00	244	51.30	28.19	45.97	204	0.19	<1.0	7.30	0.25	0.006	<0.01	Absent							
15	Simari	Dulahpur	Khairapatti	Ward-02	Papu Ram	25.638521	84.098731	7.84	<4.0	459.40	298.00	204	41.68	24.30	37.98	148	0.27	<1.0	4.50	0.24	0.005	<0.01	Absent							
16	Simari	Dulahpur	Khairpatti	Ward-01	Raj Narayan Pandey	25.637070	84.0931771	7.82	<4.0	510.10	330.00	212	43.28	25.27	41.97	208	0.31	<1.0	4.50	0.24	0.005	<0.01	Absent							
17	Simari	Dulahpur	Dulahpur	Dulahpur/05	Shatrudhan Singh	25.620440	84.075451	7.88	<4.0	455.90	296.00	124	25.65	14.58	29.98	202	0.29	<1.0	6.30	0.18	<0.002	<0.01	Absent							

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Ramawtar Ram

Signature of Kail Ashan

Signature of Muifi Paswan

Signature of Salendra Rai

Signature of Chhotu Singh

Signature of Ranjan Pandey

Signature of Papu Ram

Signature of Raj Narayan Pandey

Signature of Shatrudhan Singh

Signature of Ashok Kumar Singh

Signature of Raj Narayan Pandey

Signature of Shatrud

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

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

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

— END OF TEST REPORT —

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

SLWTL P.H.E.D., Patna



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

URL No.-TC575222000000373P

Format No.: SLWT/LFRM/02
Issue No.:373
Issue Date: 28.06.2022
Date of Reporting: 2

Certificate No.: TC-5752

Name of the Organisation/Person: Departmental
Location Details: Araria, District (River Name: Parmar)

Source of Sample: Drinking Water

Type of Containment: Sealed	
-----------------------------	--

Date of Sampling: 16.06.2022

Date of Analysis Completed: 24.06.2022

Chemical and Bacteriological Parameters

As	Mn ⁺⁺⁺	T.Co
----	-------------------	------

Cl	Alka	Fe	NO ₃
----	------	----	-----------------

mg/l	mg/l	mg/l	mg/l
------	------	------	------

5.0	10.0	0.01	1.0
250	200	1	45

1000	600	NR	NR
------	-----	----	----

35	17.99	196	0.03	<1.0
----	-------	-----	------	------

.33	33.98	198	0.09	<1.0
-----	-------	-----	------	------

.44	37.98	164	0.04	2.98
-----	-------	-----	------	------

3.47	35.98	196	0.11	<1.0
------	-------	-----	------	------

of Accreditation.	
--------------------------	--

.....

Page 1 of 1

Revision No.: 0	Revision Date: Nil
-----------------	--------------------

Revision Date: null

1047205/2022

पत्रांक 137 पटना / दिनांक 27.6.2022 SB (Mon) 28

प्रेषक,

वरीय अनुसंधान पदाधिकारी
लोक स्वास्थ्य संस्थान, छज्जूबाग, पटना ।
लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना ।

सेवा में,

अभियंता प्रमुख -सह - विशेष सचिव,
लोक स्वास्थ्य अभियंत्रण विभाग,
बिहार, पटना ।

क्रमांक 1066
जावेद
117

विषय :- अप्रैल 2022 माह का NGT Report

संदर्भ :- माननीय NGT द्वारा O.A. No. - 673/2018 में दिनांक - 20.09.2018 एवं दिनांक - 06.12.2019 को पारित आदेश के अनुपालन के संबंध में।

महाशय,

उपरोक्त प्रासंगिक पत्र में निहित निर्देश के आलोक में कुल 09 जिलों से 122 जल नमूना संग्रह कर प्रयोगशाला प्रभारी द्वारा जाँचोपरान्त जाँच रिपोर्ट इस पत्र के साथ संलग्न कर विहित प्रपत्र में समर्पित की जा रही है।

अनु०.- यथोपरि।

विश्वासभाजिका

लंजु कुमारी
27.6.22

वरीय अनुसंधान पदाधिकारी
लोक स्वास्थ्य संस्थान, छज्जूबाग, पटना ।
लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना ।

M. N. S.
S. N. S.

क्रमांक
1123
5/7/22

Details of drains contributing river pollution:**1. Ganga River:**

A total number of 42 drains having flow > 01 MLD discharging into river Ganga with total discharge/flow of **778 MLD** have been identified in Bihar stretch. The details of the drains with its flow, pollution load and quality are hereunder:-

Details of drains having flow >01 MLD discharging into River Ganga										
SN	Catchment Area	Name of drain	Standing/Flowing	Flow (MLD)	BOD (mg/l)	Pollution Sources (Domestic/Industrial/Mixed)	Catchment Area (Sq. Km)	Traceable Length of Drain in km approx.	Length of Sampling point from confluence point in KM approx.	Recipient
1	Buxar	Chhoti Saripura Drain	Flowing	5.87	26	Domestic	Civil Lines, Syndicate Colony, Mathiya Mohalla, Saripur	0.2	0.03	Ganga River
2	Buxar	Hospital Road Drain	Flowing	3.82	36	Domestic	Ward No. 22, 23, 24	0.15	0.03	Ganga River
3	Buxar	Sati Ghat Drain	Flowing	6.29	72	Domestic	Ward No. 13, 24, 25, Tetari Bazar, Munim Chowk	0.25	0.05	Ganga River
4	Buxar	Bangla Ghat Drain	Flowing	1.80	70	Domestic	Ward No. 6	0.3	0.05	Ganga River
5	Buxar	Tadka Drain	Flowing	8.23	74	Domestic	Ward No. 13, 14, 24, 25, 26, 28, 29, 32	0.5	0.05	Ganga River
6	Buxar	Nath Baba Mandir Drain	Flowing	4.23	15	Domestic	Ward No. 1, 2, 3	1.6	0.05	Ganga River
7	Buxar	Sohnipatti Drain	Flowing	1.31	15	Domestic	Ward No. 20, 33	0.5	0.03	Ganga River
8	Maner	Maner Bazar Drain, Infront of Machhli Market, Maner, Patna	Flowing	3.55	140	Domestic	Ward No.- 1,4,5,6,7	5	4	Ganga River
9	Danapur, Patna	Danapur Cant. Drain	Flowing	8.16	24	Domestic	Danapur, Sadar Bazar, Bibiganj, Lal Kothi, Ramnagar Colony, Sultanput, Yadav Colony, Cefence Colony, Mubarakpur, Kachra Colony, Judge Colony, Ramkrishnapuram, Bank Colony, Hathikhana, Lodipur, Sikandarpur, Urja Nagar, Tarachak,	4	0.117	Ganga River

Details of drains having flow >01 MLD discharging into River Ganga										
SN	Catchment Area	Name of drain	Standing/Flowing	Flow (MLD)	BOD (mg/l)	Pollution Sources (Domestic/Industrial/Mixed)	Catchment Area (Sq. Km)	Traceable Length of Drain in km approx.	Length of Sampling point from confluence point in KM approx.	Recipient
10	Dighwara	BeerpurBhual NH-19 Drain, Dighwara	Flowing	1.15	80	Domestic	Ward No.- 7,8,9 and 10, Shankarpur, Main market	1.0 KM approx.	0.08 KM approx.	Ganga River
11	Patna	DighaGhat Drain (Canal)	Flowing	134.00	23	Domestic	Digha, Ramjaipal Nagar, Vastu Ganga Colony, IAS Colony, Adampur, Jai Ram Bazar, Vrindavan Colony, Maulana Azad Nagar, Bochachak, Taj Nagar, Jalalpur, NavneetVihar, AdarshVihar Colony, Ved Nagar, MirdulaVihar, Rukanpura, BashantVihar, NTPC Phase- 2, Yadav Colony, SBI(old) Colony, MaaliTola, Railway Colony.	9.5	0.485	Ganga River
12	Patna	Kurji Drain	Flowing	65.00	34	Domestic	Rajiv Nagar, JaiprakashNagar, A.G. Colony, CDA Colony, North Patel Nagar, Indrapuri, Patliputra Colony, PatliputraIndustrial Area, Kurji, Shivaji Nagar, Balupur.	5.34	1.82	Ganga River
13	Patna	RajapurPul Drain	Flowing	128.00	16	Domestic	Sheikhpura, Shastrinagar, NandGaon, Rajbanshi Nagar, R. Block, Rajbhawan, Sanjay Gandhi JaivikUdyan, Board Colony, Professor's Colony, Adarsh Colony, Shivpuri, Mahesh Nagar, West Ananadpuri, LIC Colony, Basant Bihar Colony, Indra Nagar, RajapurMainpura, Dujra, Gandhi Nagar, GosaiTola, LIC Ghat, Anandpuri, Nehru Nagar, Kidwaipuri, S.K. Puri.	3.5	4.34	Ganga River
14	Patna	Mandiri (Bans Ghat) Drain	Flowing	148.00	54	Domestic	GPO, S.K. Nagar, East Budha Colony, Harding Park, Frazer Road, Rajapur, Lodipur, Golghar Area, Mohamadpur (Chainpura), Budhmard, Patna Jn., Harding Road, S.P. Verma Road.	2.44	3.12	Ganga River

Details of drains having flow >01 MLD discharging into River Ganga										
SN	Catchment Area	Name of drain	Standing/Flowing	Flow (MLD)	BO D (mg/l)	Pollution Sources (Domestic/Industrial/Mixed)	Catchment Area (Sq. Km)	Traceable Length of Drain in km approx.	Length of Sampling point from confluence point in KM approx.	Recipient
15	Patna	Anta Ghat Drain	Flowing	43	75	Domestic	Gandhi Maidan, Frazer Road, Exhibition Road, LaljiTola, SalimpurAhra, Dujra, Bakarganj, Pirmohani, Daldali, Lohanipur, Lohanipur West, Sabjibagh, Civil Court, KadamKuhan, Antaghat.	1.7	1.36	Ganga River
16	Patna	Krishna Ghat Drain	Flowing	Pump House	80	Domestic	Patna University Area, SudhiTola, Science College, NIT Patna, Thathari Bazar, NayaTola, Bhikhnaphari, ChakMusallahpur, Musallahpur Hat, Sharif Colony, Ramna Road, LalBagh, Annie Besant Road, B.M. Das Road, MakhaniaKuhan, Mehandru.	Not traceable as it is a underground drain.	Same location	Ganga River
17	Patna	MittanGhat Drain	Flowing	48.00	90	Domestic	Khatri Path, MittanGhat Path, Guzri Bazar, Manas Path.	0.547	Sampling and confluence point are same	Ganga River
18	Fatuha, Patna	Makshudpur Drain (West of BindheshwariGhat)	Flowing	1.10	46	Domestic	BindeshwariGhat	0.024	-	Ganga River
19	Fatuha, Patna	DevantiGhat	Flowing	2.30	19	Domestic	SonakothiMohallah	0.013	-	Ganga River
20	Fatuha, Patna	MastanaGhat	Flowing	1.14	42	Domestic	-	0.014	-	Ganga River
21	Bakhtiyarpur, Patna	Raghopur-Dagar Drain	Flowing	4.30	36	Domestic				Ganga River
22	Barh, Patna	Gauri Shankar Ghat, Barh	Flowing	1.09	42	Domestic	13(P) & 14(P)	-	-	Ganga River

Details of drains having flow >01 MLD discharging into River Ganga										
SN	Catchment Area	Name of drain	Standing/Flowing	Flow (MLD)	BOD (mg/l)	Pollution Sources (Domestic/Industrial/Mixed)	Catchment Area (Sq. Km)	Traceable Length of Drain in km approx.	Leantn of Sampling point from confluence point in KM approx.	Recipient
23	Mokama	TapashwaiGhat, Mokama	Flowing	6.02	20	Domestic	Ward No.-1 & 10	3.8	0.025	Ganga River
24	Munger	LalDrawaza Drain	Flowing	21.50	14	Domestic	Munger Town	0.004	Sampling and confluence point are same.	Ganga River
25	Sultanganj	Masjid ghat Drain	Flowing	1.70	14	Domestic	Sultanganj Town	0.014	Sampling and confluence point are same.	Ganga River
26	Bhagalpur	Adampur Drain	Flowing	18.91	15	Domestic	Budhanath Park, Budhanath Baba Madir, Adampur	0.5	0.15	Ganga River
27	Bhagalpur	Hathiya Drain near intake well	Flowing	7.54	9	Domestic	Mustafapur, Hanuman Ghat, Sant Nagar, Mayaganj	0.5	0.05	Ganga River
28	Bhagalpur	Surkhikal Drain	Flowing	13.10	32	Domestic	BadiKhanjarpur, MaharajGhat, Surkhikal, Tilakamanjhi	0.5	0.1	Ganga River
29	Bhagalpur	SakhichandDrain	Flowing	12.69	10	Domestic	Makhajan, Tiger Market, BudhanathRoad	0.4	0.1	Ganga River
30	Bhagalpur	BarariGhat Drain, near Vikramshila Bridge, Bhagalpur	Flowing	6.61	17	Domestic	Railway Colony, Barari State Housing Board Colony	2	0.05	Ganga River
31	Bhagalpur	Neel KothiGhat Drain, Bhagalpur	Flowing	1.91	20	Domestic	MadhukarChak, Parmanandpur	0.7	0.05	Ganga River
32	Bhagalpur	PipalliDham Drain-II, Bhagalpur	Flowing	1.49	10	Domestic	Moorgi Pharm, RoopVihar Colony	0.5	0.05	Ganga River
33	Bhagalpur	KuppaGhat Drain	Flowing	4.43	8	Domestic	MaharshiMehi Ashram, Mustafapur, Mayaganj	0.6	0.05	Ganga River
34	Bhagalpur	KoylaGhat	Flowing	7.63	125	Domestic	ChhotiKhanjarpur, KoylaGhat, Kachahari, Faris Lane Road, Ward No. 22, 25	0.5	0.1	Ganga River
35	Bhagalpur	HathiyaNala, Near Tilkamnajhi University	Flowing	22.66	145	Domestic	TilkaManjhi University, MaharajGhat, Naya Bazaar, ParbattiMohalla,	1	0.3	Ganga River

Details of drains having flow >01 MLD discharging into River Ganga										
SN	Catchment Area	Name of drain	Standing/Flowing	Flow (MLD)	BOD (mg/l)	Pollution Sources (Domestic/Industrial/Mixed)	Catchment Area (Sq. Km)	Traceable Length of Drain in km approx.	Length of Sampling point from confluence point in KM approx.	Recipient
							Tatarpur, Vikramshila Mohalla, Urdu Bazar, Chunihari Tola			
36	Bhagalpur	STP Drain, Bhagalpur	Flowing	1.77	130	Domestic	Sahebganj Mohalla	0.8	0.4	Ganga River
37	Bhagalpur	Sahebganj Miyabari Drain	Flowing	4.51	32	Domestic	Karnagarh, Sahebganj	0.8	0.4	Ganga River
38	Bhagalpur	Champa Nala -1	Flowing	11.57	95	Domestic	Champa Nagar, Nath Nagar	0.5	0.3	Ganga River
39	Bhagalpur	Champa Nala -2	Flowing	8.38	42	Domestic	Nath Nagar, Medini Nagar	0.8	0.1	Ganga River
40	Kahalgau	Kagji Drain	Flowing	2.23	38	Domestic	Thana Road, Kulkulia Road	1.0 km	-	Ganga River
41	Kahalgau	Ashmashan Ghat Drain	Flowing	1.60	15	Domestic	Kazipura, Paithanpura	1.0 km	0.08 KM	Ganga River
42	Kahalgau	Pampu Drain	Flowing	1.40	24	Domestic	Station Chawk, Basti	1.5 km	0.016 KM	Ganga River
Total				777.99						

2. Harbaura (Sikrahna) River:

There are three (3) drains (near power grid of sugar mill, near Dhumnagar mandir and near Hardia) in Narkatiaganj town through which domestic waste water is discharge to Harbaura River. The total sewage/waste water discharges through aforesaid drains have been assessed to **14.59 MLD**. The details of the drains are hereunder:-

Sl. No.	Name of drain	Average flow (MLD)	Recipient	Sewage/waste water Quality
1.	Domestic Waste Water/Sewage drain, passing near power grid of Sugar Mill	6.736	Harbaura River	pH: 6.59 BOD: 22 mg/L COD: 80 mg/L TSS: 53 mg/L
2.	Dhum Nagar Mandir drain	4.215	Harbaura River	pH: 6.59 BOD: 38 mg/L COD: 148 mg/L TSS: 78 mg/L

3.	Nehar drain, Near Hardiya	3.640	Low Lying Area and Found Dry after 3.5 KM	pH: 6.62 BOD: 24 mg/L COD: 84 mg/L TSS: 26 mg/L
	Total	14.591		

3. Sirsiya River:

There are three (3) drains (at Naga Road, at Chhatiaya Ghat and near Custom Check Post Bridge) in Raxaul town through which domestic waste water is discharge to Sirsiya River. The total sewage/waste water discharges through aforesaid drains have been assessed to 14.89 MLD. The details of the drains are hereunder:-

Sl. No.	Name of drain	Average flow (MLD)	Recipient	Sewage/waste water Quality
1.	Drain at Naga Road, Shivpuri Mohalla, Raxaul	6.03	Sirsiya River	pH: 7.04 BOD: 62 mg/L COD: 232 mg/L TSS: 38 mg/L
2.	Drain at Chhatiaya Ghat, near Railway Bridge, Raxaul	3.1	Sirsiya River	pH: 7.25 BOD: 9 mg/L COD: 44 mg/L TSS: 36 mg/L
3	Drain near Custom Check Post Bridge, Raxaul	5.76	Sirsiya River	pH: 7.31 BOD: 16 mg/L COD: 60 mg/L TSS: 38 mg/L
	Total	14.89		

4. Parmar River:

There are four (4) drains namely Khajurbari Drain, Ward No.6, Haji Mohalla Drain, Idgah Chowk Drain, Isalmpur Drain, Ward No.-17. The aforesaid drains disperse in low lying area. The total sewage/waste water discharge through aforesaid drains has been assessed to **5.559 MLD**. There is no sewerage network & STP for sewage management at Jogbani Nagar Panchayat area. The details of the drains are hereunder:-

Sl. No.	Name of drain	Average flow (MLD)	Recipient	Sewage/waste water Quality
1.	Khajurbari Drain, Ward No.6	2.96	Low lying area	pH: 7.32 BOD: 88 mg/L COD: 264 mg/L TSS: 118 mg/L
2.	Haji Mohalla Drain	0.50	Low lying area	pH: 7.20 BOD: 36 mg/L COD: 124 mg/L TSS: 82 mg/L
3.	Idgah Chowk Drain	0.704	Low lying area	pH: 7.42 BOD: 50 mg/L COD: 168 mg/L TSS: 74 mg/L
4	Isalmpur Drain, Ward No.-17	1.395	Low lying area	pH: 7.28 BOD: 70 mg/L COD: 212 mg/L

				TSS: 92 mg/L
	Total	5.559		

5. Ramrekha River:

There are five (5) drains (at Nagar Panchyat Road, near Dhangal Toli, at Kathawa Pull, at Raily Bazar and near Mill Quarter) in Ramnagar block through which domestic waste water is discharge to Ramrekha River. The total sewage/waste water discharges through aforesaid drains have been assessed to 27.88 MLD. The details of the drains are hereunder:-

Sl. No.	Name of drain	Average flow (MLD)	Recipient	Sewage/waste water Quality
1.	Mukhya Bazar, Near Fish Market, Nagar Panchyat Road,	10.743	Ramrekha River	pH: 6.08 BOD: 115 mg/L COD: 372 mg/L TSS: 54 mg/L
2.	Chatiya Ghat Drain West, Dhangal Toli,	11.721	Ramrekha River	pH: 6.34 BOD: 135 mg/L COD: 520 mg/L TSS: 60 mg/L
3.	Chatiya Ghat Drain East, Kathawa Pull,	1.065	Ramrekha River	pH: 6.69 BOD: 42 mg/L COD: 160 mg/L TSS: 116 mg/L
4.	Raily Bazar Drain,	0.892	Ramrekha River	pH: 5.63 BOD: 28 mg/L COD: 108 mg/L TSS: 22 mg/L
5.	Mill Quarter Drain, Pachurkha	3.464	Ramrekha River	pH: 6.81 BOD: 24 mg/L COD: 108 mg/L TSS: 46 mg/L
Total		27.885		

6. Punpun River:

There are two (2) drains Bakipur Gorakh Drain and Badshahi Drain (**Badshahi Drain coming from Patna**) in Fatuha town through which domestic waste water is discharge to Punpun River. The total sewage/waste water discharges through aforesaid drains have been assessed to 64.95 MLD. The details of the drains are hereunder:-

Sl. No.	Name of drain	Average flow (MLD)	Recipient	Sewage/waste water Quality
1.	Bakipur Gorakh Drain	2.95	Punpun River	pH: 6.41 BOD: 85 mg/L COD: 268 mg/L TSS: 54 mg/L
2.	Badshahi Drain	62	Punpun River	pH: 7.67 BOD: 38 mg/L COD: 124 mg/L TSS: 26 mg/L
	Total	64.95		



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

[illegible]

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	BHOJPUR/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

[illegible]

[illegible]

[illegible]

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
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
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



Bihar Agricultural Management & Extension Training Institute
P.O. – B.V. College, Jagdeo Path, Patna-800014, Bihar, India

Web site :-www.bameti.org

Telefax: 0612-2227039 e.mail: bameti.bihar@gmail.com



Report for River Rejuvenation Committee (RRC) meeting on 05-07-2021

Sl. No	Current Status of total Drip Irrigation coverage area in Acre (November 2021 to January 2022)	Crop Diversification in all 38 Districts.
01.	1290.59 Acre	Vegetable- (i) Okra (ii) Brinjal (iii) Green Chilli Fruit- (i) Banana (ii) Papaya (iii) Guava (iv) Pineapple

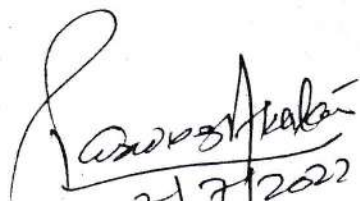
[Signature]
21/07/2021
Director

[Signature] BAMETI, Bihar, Patna

Annexure - 8

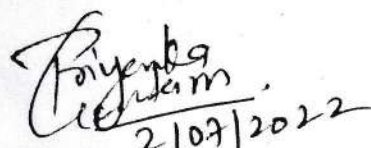
Discharge Report of Punpun river at Gaurichak (Entry Point) and Fatuah (Exit point) from

Si No.	Date	Discharge of Gaurichak Entry Point(m3/sec)	Discharge of fatuah Exit Point(m3/sec)	Remarks
1	16.06.2022	0.625	No Current	1. At Gaurichak Entry Point Discharge obstructed due to ongoing construction of Bridge At gauge site. 2. At Fatuah Exit Point gauge site portion is covered with still floating water plants. No water flow observed.
2	17.06.2022	0.652	16.052	
3	18.06.2022	No Current	No Current	
4	19.06.2022	0.740	23.682	
5	20.06.2022	1.541	25.134	
6	21.06.2022	1.740	No Current	
7	22.06.2022	1.545	No Current	
8	23.06.2022	1.998	No Current	
9	24.06.2022	1.494	No Current	
10	25.06.2022	No Current	No Current	
11	26.06.2022	No Current	No Current	
12	27.06.2022	No Current	No Current	
13	28.06.2022	No Current	18.426	
14	29.06.2022	0.956	No Current	
15	30.06.2022	1.058	No Current	


 21/7/2022
 J.E.

Hydrology Sub Division -2

Patna


 21/07/2022
 S.D.O.

Hydrology Sub Division-2

Patna


 02/07/2022
 E.E.

Hydrology Division -2

Patna

Discharge Report of Ramrekha River From 16.06.2022 to 30.06.2022				
Sl. No.	Date	Discharge of Ramnagar Entry Point	Discharge of Ramnagar Exit Point	Remarks
1	16.06.2022	0.51	0.70	
2	17.06.2022	0.51	0.68	
3	18.06.2022	0.71	0.99	
4	19.06.2022	0.49	0.70	
5	20.06.2022	0.50	0.67	
6	21.06.2022	0.50	0.67	
7	22.06.2022	0.51	0.68	
8	23.06.2022	0.51	0.66	
9	24.06.2022	0.50	0.68	
10	25.06.2022	0.50	0.69	
11	26.06.2022	0.53	0.67	
12	27.06.2022	0.51	0.66	
13	28.06.2022	0.53	0.67	
14	29.06.2022	0.58	0.75	
15	30.06.2022	0.55	0.68	

Akhil Kumar
02/07/22
J.E.

Hydrology Subdivision
Motihari

Jay Kumar
02/07/22
A.E.

Hydrology Subdivision
Motihari

Shankar
02/07/22
E.E.

Hydrology Subdivision-1
Anishabad Patna

Discharge Report of Harbaura River From 16.06.2022 to 30.06.2022

Sl. No.	Date	Discharge of Narkatiaganj Entry Point	Discharge of Narkatiaganj Exit Point	Remarks
1	16.06.2022	7.20	27.31	
2	17.06.2022	7.71	25.73	
3	18.06.2022	20.44	42.21	
4	19.06.2022	14.10	54.18	
5	20.06.2022	7.20	36.94	
6	21.06.2022	8.61	48.78	
7	22.06.2022	5.96	36.23	
8	23.06.2022	6.25	33.20	
9	24.06.2022	5.96	36.01	
10	25.06.2022	6.25	32.67	
11	26.06.2022	6.68	35.37	
12	27.06.2022	5.96	25.73	
13	28.06.2022	6.68	20.38	
14	29.06.2022	8.95	27.34	
15	30.06.2022	19.02	85.90	

Akhilendra
02/07/22
J.E.

Hydrology Subdivision
Motihari

Jay Kumar
02/07/22
A.E.

Hydrology Subdivision
Motihari

Shankar
02/07/22

E.E.
Hydrology Subdivision-1
Anishabad Patna

Discharge Report of Sirsiya River From 16.06.2022 to 30.06.2022

Sl. No.	Date	Discharge of Raxaul Entry Point	Discharge of Raxaul Exit Point	Remarks
1	16.06.2022	4.12	5.45	
2	17.06.2022	4.31	5.62	
3	18.06.2022	13.44	19.80	
4	19.06.2022	29.02	42.32	
5	20.06.2022	11.76	17.90	
6	21.06.2022	10.52	15.29	
7	22.06.2022	5.69	10.28	
8	23.06.2022	5.24	7.14	
9	24.06.2022	4.72	6.40	
10	25.06.2022	4.57	6.07	
11	26.06.2022	4.26	5.60	
12	27.06.2022	4.51	5.93	
13	28.06.2022	4.98	6.76	
14	29.06.2022	13.75	20.58	
15	30.06.2022	26.44	36.96	

Abhishek
02/07/22
J.E.

Hydrology Subdivision
Motihari

Jay Kumar
02/07/22
A.E.

Hydrology Subdivision
Motihari

Sund
02/07/22
E.E.

Hydrology Subdivision-1
Anishabad Patna

Discharge Report of perman River at Jogabani
Discharge Report of perman River at Jogabani
entry & exit point from period 16/06/2022 to 1/2020
Under N.U.T

S.No	DATE	DISCHARGE OF JOGABANI ENTRY POINT (m ³ /Sec)	DISCHARGE OF JOGABANI EXIT POIN (m ³ /Sec)
1	16/6/2022	3.427	12.921
2	17/6/22	4.832	14.270
3	18/6/22	4.453	13.472
4	19/6/22	4.893	14.642
5	20/6/22	26.166	36.498
6	21/6/22	19.705	20.724
7	22/6/22	9.759	16.300
8	23/6/22	8.672	13.586
9	24/6/22	8.116	12.900
10	25/6/22	8.638	14.840
11	26/6/22	8.085	13.517
12	27/6/22	8.855	14.873
13	28/6/22	11.582	26.459
14	29/6/22	83.536	126.211
15	30/6/22	93.471	133.068

Kumar Romish
JE
30/06/2022
Hydrology sub-division
Purnia/Birpur

Jay Kumar
02/07/22
AE
Hydrology sub-division
Purnia-Birpur

Shankar
02/07/22
EE
Hydrology division
Purnia