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,

Alok Kumar,
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, 2020 by State as per orders of the Hon'ble NGT dated-06.12.2019 in O.A. No.673/2018.**

Sir,

Please find herewith the monthly progress report for the month of July, 2020 in compliance with the order of the Hon'ble NGT dated-06.12.2019 in O.A. No.673/2018 for needful action.

Encl: As above.

Yours faithfully,

Sd/-
(Alok Kumar)
Member Secretary.

Memo No. B- 3031 Patna, dated- 27/07/2020

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.

27/7/20

(Alok Kumar)
Member Secretary.

# National Mission for Clean Ganga

Format for Submission of Monthly Progress Report by States/UTs

(Hon'ble NGT in the matter of OA No. 673/2018 dated 06.12.2019)

| Sl. No. | Activity to be monitored | Timeline | Progress made in the month of July, 2020 |
|---|---|---|---|
| 1. | Ensure 100% treatment of sewage at least in-situ remediation | 31.03.2020 | In-situ treatment facilities (bio-remediation) has been provided at Danapur Cant. Drain & Rajapur drain at Patna. |
| | commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STPs must be ensured | 31.03.2020 | Presently, there is no sewerage network &STP (except Patna) for sewage management along the Ganga River. UD&HD, GoB has invited tender for selection of agency for In-situ treatment through bio-remediation of drains joining Ganga and other polluted rivers vide Notice Inviting Tender (NIT) dated-18.06.2020. **Four bids have been received and Technical evaluation is under process.** |
| 2. | Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning. | 31.03.2021 | Status of sewage management w.r.t. setting up of STP, I&D and sewerage network is annexed as **Annexure-3(a), 3(b) & 3(c).** |
| 3. | Chief Secretaries may set up appropriate monitoring mechanism at State level<br>Specifying accountability of nodal authorities not below the Secretary level.<br>Chief Secretaries may have an accountable person attached in their office for this purpose. | 22.01.2020 | 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. 606/2018, 673/2018 etc. Last meeting was held on 18.06.2020. |
| | Monitoring at State level must take place | Fortnightly Commencing | Being complied. |

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| | | | 21.12.2019 | |
| 4. | Progress report may be furnished by the States/UTs to Secretary, Ministry of Jal Shakti. Member Secretary, CPCB. | | Monthly (preferably before 20th of every month) | Being complied. |
| 5. | Progress Report may be comprised of details along with completion timelines on: | | | |
| | (i) | Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment | Complied | **Details of polluting sources:**<br>a. Industrial pollution along polluted river stretches is annexed as **Annexure-1**. |
| | | | Complied | b. Details of drains contributing river pollution is annexed as **Annexure-2**. |
| | | | March, 2020 | c. In-situ treatment facilities (bio-remediation) has been provided at Danapur Cant. Drain & Rajapur drain at Patna.<br>d. UD&HD, GoB has invited tender for selection of agency for In-situ treatment through bio-remediation of drains joining Ganga and other polluted rivers vide Notice Inviting Tender (NIT) dated-18.06.2020. |
| | (ii) | Status of STPs, I&D and sewerage networks Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline | | Status of sewage management w.r.t. setting up of STP, I&D and sewerage network is annexed as **Annexure-3(a), 3(b) & 3(c)**. |
| | (iii) | Status of CETPs Details of | March, 2020 | State has so far not succeeded in establishing any CETP. However, Board is monitoring individual water polluting |

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| | | Existing CETP and ETP Infrastructure, Gap Analysis, Proposed along with completion timeline, No. of industries and complying status | | industries for adequacy and proper functioning of ETPs.<br>In the State of Bihar total number of water polluting industries are 213, among them 211 industries having functional ETP and for rest 02 units which do not have ETP, Board had issued closure direction for one & filed legal case in the court for other one. |
| | (iv) | Status of Solid Waste Management & Details of Processing Facilities Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline | | ➢ Status of Solid Waste Management & Details of Processing Facilities is annexed as **Annexure-4.** |
| | (v) | Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river; | | ➢ Latest water quality of polluted river and its tributaries for the month April, May & June 2020 is annexed as **Annexure-5.**<br>➢ Drains with flow details are annexed as **Annexure-2.**<br>➢ Ground water quality for the month of July 2020 in the catchment of polluted river is annexed as **Annexure-6.** |
| | (vi) | Preventing dumping of waste and scientific waste management including bio-medical wastes, plastic | | ➢ ULBs have been directed to ensure the compliance of provisions of the Solid Waste Management Rules, 2016 including restriction on disposal of solid waste along water bodies.<br>➢ There are four Bio-Medical Waste treatment Facility and three captive treatment facility with a total capacity of 33600 Kg/day under operation in the |

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| | | wastes and decentralizing waste processing, including waste generated from hotels, ashrams, etc. | | State.<br>➢ In addition to these two more common facilities are proposed to be established at Bhojpur and Madhepura.<br>➢ Board is ensuring management of BMW in accordance with the provisions of the Bio-Medical Waste Management Rules, 2016. |
| | (vii) | 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.<br>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. |
| | (viii) | Adopting good irrigation practices, | | 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% |

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| | | | | 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. |
| | (ix) | Protection and management of Flood Plain Zones (FPZ), | | 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.<br>State Govt. is contemplating to approach the Hon'ble NGT in this regard. |
| | (x) | 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.<br>➢ Imposion 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. |
| | (xi) | Maintaining minimum environmental 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. It hope that the data will be available from October 2020 onwards. |
| | (xii) | Plantation on both sides of the river | | Details of Forestry Inventorization for Ganga in Bihar is annexed as **Annexure-7**. |

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| | (xiii) | Setting up biodiversity parks on flood plains by removing encroachment | | In view of the point no. 5(ix) above, State has certain limitation. However, 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. |

**SHORT NOTICE INVITING RE-TENDER FOR Selection of Agency for In-Situ Treatment of Sludge of septic tanks of Community / Mobile Toilets and Sewage through Bioremediation for Treatment of the Nallas joining the river Ganga in Bihar.**


**Urban Development and Housing Department, Govt. of Bihar**

**1st Floor, Vikas Bhawan, New Secretariat, Patna – 800015**

(Tel – 0612-2215880, Email –urbansec-bih@nic.in )


**RFP NO. - BGCMS/2019/BIO-REMEDIATION-25/ 269** **DATE: -** 18/06/2020

**(Through e-procurement mode only – www.eproc.bihar.gov.in)**

1. Special Secretary, UD&HD on behalf of Secretary, Urban Development & Housing Department, Govt. of Bihar, invites proposal for Selection of Agency for In-Situ Treatment of Sludge of septic tanks of Community / Mobile Toilets and Sewage through Bioremediation for Treatment of the Nallas joining the river Ganga in Bihar.

2. UD&HD, Bihar, invites Bids under Single Stage two envelope system - Technical and Financial Bid, from reputed and experienced agencies for Bioremediation work as per works detailed in the table below. Bidding will be conducted through National Competitive Bidding and is open to all eligible bidders. Bids will be received through Bihar Gov. eProc portal www.eproc.bihar.gov.in.

| | Name of the Work | Bid Security | Cost of bidding document | Bid Processing Fee (BELTRON) | Period |
|---|---|---|---|---|---|
| (I) | Selection of Agency for In-Situ Treatment of Sludge of septic tanks of Community / Mobile Toilets and Sewage through Bioremediation for Treatment of the Nallas joining the river Ganga in Bihar | Rs. 5,00,000/- | Rs. 10,000/- | Rs. 1,180/- | One Year. |

- Interested Agency may download the complete. Request for Proposal (RFP) Document, from tenders section on the website www.eproc.bihar.gov.in from date of Publication.
- A firm will be selected under **Least Cost Selection Method** and procedures described in the RFP.
- No proposals will be accepted without cost of Bid Document and valid Bid Security. No liability will be accepted for downloading the incomplete Document.
- The bidding shall be carried out through Bihar Govt. e-procurement portal www.eproc.bihar.gov.in. The bids shall be uploaded in the site by **05:00 PM on 06.07.2020** and hard copy of the bid/Sealed Completed Proposal will be received at the address mentioned below on any working day up to **01:00 PM on 07.07.2020** and Technical Proposal of Bids shall be opened on the same day at 04:00 PM hours through eProc site at the Address:

  **The Secretary, Urban Development & Housing Department, Vikas Bhawan, New Secretariat, Patna – 800001, Bihar.**
- The Secretary, UD&HD, GoB-cum-Project Director, SPMG reserves the right to accept or reject any or all proposals without incurring any obligation to inform the affected applicant/s of the grounds.

18/6/2020

**Special Secretary**

**(UD&HD, Bihar)**

Scanned with CamScanner

**Annexure-1**

## Industrial Pollution along Polluted River Stretches:

### 1. Ganga River:

Bihar State Pollution Control Board has identified 57 Grossly Polluting Industries in the Ganga basin in Bihar. The major operational industries located on the banks of the River Ganga in Bihar stretch are M/s Barh Super Thermal Power Station, NTPC, Barh, Dist.-Patna; M/s Kahalgaon Super Thermal Power Station (KhSTPS), NTPC, Kahalgaon, Dist.-Bhagalpur; M/s Barauni Oil Refinery, IOC Ltd. Barauni, Dist.-Begusarai; Barauni Thermal Power Station (BTPS), Begusarai; M/s Indian Tobacco Company Ltd., Dist.-Munger. There is no any discharge from aforesaid units into the Ganga river.

ETPs have been installed in all operating industries.Online Continuous Effluent Monitoring System has been installed. Regular inspection is carried on to ensure the compliancesETPs have been installed in all operating industries.Online Continuous Effluent Monitoring System has been installed. Regular inspection is carried on to ensure the compliances.

### 2. Harbaura (Sikrahna) River:

Bihar State Pollution Control Board has identified 02 Grossly Polluting Industries in the Harbaura river in Bihar. The major operational industries located on the banks of the River Habaura in Bihar stretch are M/s New Swadeshi Sugar Mills & M/s New Swadeshi Sugar Mills, (Distillery Division), Narkatiaganj, Dist.-West Champaran. There is no any discharge from aforesaid units into the Harbaura River.

ETPs have been installed in all operating industries. Online Continuous Effluent Monitoring System has also been installed. Regular inspection is being carried on to ensure the compliances.

### 3. Sirsiya River:

There is no any water polluting or grossly polluting industry on the banks of Sirsiya River in Indian Territory. There is also no industrial cluster /area/estate in this polluted river stretch.

### 4. Parmar River:

There is no any water polluting or grossly polluting industry on the banks of Parmar River in Indian Territory. There is also no industrial cluster /area/estate in this polluted river stretch.

### 5. Ramrekha River:

Bihar State Pollution Control Board has identified 02 Grossly Polluting Industries in the Ramrekha river in Bihar. The major operational industries located on the banks of the River Ramrekha in Bihar stretch are M/s Harinagar Sugar Mills Ltd., Harinagar, Dist.- West Champaran & M/s

Harinagar Sugar Mills Ltd., (Distillery Division) Harinagar, Dist.-West Champaran. There is no discharge from aforesaid units into the Ramrekha river.

ETPs have been installed in all operating industries. Online Continuous Effluent Monitoring System has also been installed. Regular inspection is being carried on to ensure the compliances.

**6. Punpun River:**

Bihar State Pollution Control Board has identified 04 Grossly Polluting Industries in the Punpun basin in Bihar. The major operational industries located on the banks of the River Punpun in Bihar stretch are M/s Smirity Paper Mills Pvt. Ltd., Mahuli Road, Chitauna, Kothia, Patna City, Dist.- Patna, M/s Indira Paper Mill Pvt. Ltd., Mohuli Road, Mathpar, Begumpur, Didarganj, Patna, M/s Mateshwari Paper Mills Pvt. Ltd., Mahauli Road, Karmalichak, Didarganj, Patna and M/s Patna Paper Mill Pvt. Ltd ., Mahauli, Kothiya, Patna.

ETPs have been installed in all operating industries.Online Continuous Effluent Monitoring System has been installed. Regular inspection is carried on to ensure the compliances. There is also no industrial cluster/area/estate in this polluted river stretch.

**Annexure-2**

## 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.** | **Leanth of Sampling point from confluence point in KM approx.** | **Recipient** |
| 1 | Buxar | ChhotiSaripur Drain | Flowing | 5.87 | 26 | Domestic | Civil Lines, Syndicate Colony, MathiyaMohalla, 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, MunimChowk | 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, LalKothi, Ramnagar Colony, Sultanput, Yadav Colony, Cefence Colony, Mubarakpur,Kachra Colony, Judge Colony, | 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.** | **Leanth of Sampling point from confluence point in KM approx.** | **Recipient** |
| | | | | | | | Ramkrishnapuram, Bank Colony, Hathikhana, Lodipur, Sikandarpur, Urja Nagar, Tarachak, | | | |
| 10 | Dighwara | BeerpurBhua l 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, JaiprakashNigar, A.G. Colony, CDA Colony, North Patel Nagar, Indrapuri, Patliputra Colony, PatnliputraInudstrial 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 |

| 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.** | **Leanth of Sampling point from confluence point in KM approx.** | **Recipient** |
| 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 |
| 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, Bhikhnapahari, ChakMusallahpur, Musallahpur Hat, Sharif Colony, Ramna Road, LalBagh, Annie Besant Road, B.M. Das Road, MakhaniaKuhan, Mehandru. | Not traceable as it is a undergro und 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 Bindheshwar iGhat) | 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 | MastanaGha t | Flowing | 1.14 | 42 | Domestic | - | 0.014 | - | 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.** | **Leanth of Sampling point from confluence point in KM approx.** | **Recipient** |
| 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 |
| 23 | Mokama | Tapashwai Ghat, 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 |

| 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.** | **Leanth of Sampling point from confluence point in KM approx.** | **Recipient** |
| 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, Tatarpur, VikramshilaMohalla, Urdu Bazar, ChunihariTola | 1 | 0.3 | Ganga River |
| 36 | Bhagalpur | STP Drain, Bhagalpur | Flowing | 1.77 | 130 | Domestic | SahebganjMohalla | 0.8 | 0.4 | Ganga River |
| 37 | Bhagalpur | SahebganjMiyabari Drain | Flowing | 4.51 | 32 | Domestic | Karngarh, Sahebganj | 0.8 | 0.4 | Ganga River |
| 38 | Bhagalpur | ChampaNala -1 | Flowing | 11.57 | 95 | Domestic | Champa Nagar, Nath Nagar | 0.5 | 0.3 | Ganga River |
| 39 | Bhagalpur | ChampaNala -2 | Flowing | 8.38 | 42 | Domestic | Nath Nagar, Medini Nagar | 0.8 | 0.1 | Ganga River |
| 40 | Kahalgaon | Kagji Drain | Flowing | 2.23 | 38 | Domestic | Thana Road, Kulkulia Road | 1.0 km | - | Ganga River |
| 41 | Kahalgaon | AshmashanGhat Drain | Flowing | 1.60 | 15 | Domestic | Kazipura, Paithanpura | 1.0 km | 0.08 KM | Ganga River |
| 42 | Kahalgaon | 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<br>BOD: 22 mg/L<br>COD: 80 mg/L<br>TSS: 53 mg/L |
| 2. | Dhum Nagar Mandir drain | 4.215 | Harbaura River | pH: 6.59<br>BOD: 38 mg/L<br>COD: 148 mg/L<br>TSS: 78 mg/L |
| 3. | Nehar drain, Near Hardiya | 3.640 | Low Lying Area and Found Dry after 3.5 KM | pH: 6.62<br>BOD: 24 mg/L<br>COD: 84 mg/L<br>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<br>BOD: 62 mg/L<br>COD:232 mg/L<br>TSS: 38 mg/L |
| 2. | Drain at Chhatiaya Ghat, near Railway Bridge, | 3.1 | Sirsiya | pH: 7.25 |

| | | | | |
|---|---|---|---|---|
| | Raxaul | | River | BOD: 9 mg/L<br>COD: 44 mg/L<br>TSS: 36 mg/L |
| 3 | Drain near Custom Check Post Bridge, Raxaul | 5.76 | Sirsiya River | pH: 7.31<br>BOD: 16 mg/L<br>COD: 60 mg/L<br>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<br>BOD: 88 mg/L<br>COD: 264 mg/L<br>TSS: 118 mg/L |
| 2. | Haji Mohalla Drain | 0.50 | Low lying area | pH: 7.20<br>BOD: 36 mg/L<br>COD: 124 mg/L<br>TSS: 82 mg/L |
| 3. | Idgah Chowk Drain | 0.704 | Low lying area | pH: 7.42<br>BOD: 50 mg/L<br>COD: 168 mg/L<br>TSS: 74 mg/L |
| 4 | Isalmpur Drain, Ward No.-17 | 1.395 | Low lying area | pH: 7.28<br>BOD: 70 mg/L<br>COD: 212 mg/L<br>TSS: 92 mg/L |
| **Total** | | **5.559** | | |

**5. Ramrekha River:**

There are five (5) drains (atNagar Panchyat Road, near DhangalToli, at Kathawa Pull, at Railly Bazar and near Mill Quarter) in Ramnagarblock 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<br>BOD: 115 mg/L<br>COD: 372 mg/L<br>TSS: 54 mg/L |
| 2. | ChatiyaGhat Drain West, DhangalToli, | 11.721 | Ramrekha River | pH: 6.34<br>BOD: 135 mg/L<br>COD: 520 mg/L<br>TSS: 60 mg/L |
| 3. | ChatiyaGhat Drain East, Kathawa Pull, | 1.065 | Ramrekha River | pH: 6.69<br>BOD: 42 mg/L<br>COD: 160 mg/L<br>TSS: 116 mg/L |
| 4. | Railly Bazar Drain, | 0.892 | Ramrekha River | pH: 5.63<br>BOD: 28 mg/L<br>COD: 108 mg/L<br>TSS: 22 mg/L |
| 5. | Mill Quarter Drain, Pachurkha | 3.464 | Ramrekha River | pH: 6.81<br>BOD: 24 mg/L<br>COD: 108 mg/L<br>TSS: 46 mg/L |
| **Total** | | **27.885** | | |

**6. Punpun River:**

There are two (2) drains Bakipur Gorakh Drainand 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 to64.95 MLD. The details of the drains are hereunder:-

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

## Status of Ongoing/Tendered/Tender to be floated of Schemes under Namami Gange program.

दिनांक :– 20.07.2020 तक

| Sr. No. | Status | Location | Project Name | STP Capacity (in MLD) | Sewer Network (in Km.) | Sanctioned Cost (Crore) GoI/GoB | Date of Sanction/ Date of AA&ES issue GoI/GoB | Date of NIT | Contract Price | Signing of Contract Contractors Name/ Date | Date of Completion (As per Agreement/ Projected by BUIDCo) | House Connection | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Ongoing Project | Beur | Sewerage Treatment Plant | 43 | — | 98.16<br>74.29 | 15-07-14<br>05-01-15 | 7-Aug-15 | 77.95 Cr.<br>(C Cost- 47.25 Cr. and O&M Cost- 30.59 Cr. ) | Voltas & GAA (JV)<br>31-03-17 | 05/10/2019<br>31.12.2019<br>Aug'2020 | — | Work in progress in inlet chamber.<br>Physical Progress - 99%, Financial Progress – 108.69% (51.37 Cr.) |
| 2 | | Beur | Sewerage Network | — | 179.74 | 225.77<br>394.89 | 31-12-14<br>24-01-17 | 21-Aug-15 | 398.40 Cr.<br>(C cost : 371.48 Cr and O &M Cost : 26.92 Cr) | L&T<br>30-03-17 | 05/04/2020<br>31/12/2020 | 4266/15000 | Network- 125.209 Km. Completed.<br>Manhole- 4221 Nos. Completed<br>House Connection Pit - 6187 nos. Completed<br>House Hold Connection – 4266 Completed<br>Road Restoration 125.209 Km. Completed<br>Physical Progress - 68.94 %, Financial Progress - 61.25 % (236.87 Cr.) |
| 3 | | Saidpur | Sewerage Treatment Plant & Adjoining Network | 60 | 55.10 | 184.93<br>201.57 | 01-04-15<br>26-11-14 | 21-Aug-15 | 198.186 Cr.<br>(C Cost- 142.34 Cr. and O&M Cost- 45.84 Cr) | UEM & EMS (JV)<br>30-03-17 | 05/04/2020<br>30/01/2021 | 3499/21360 | Laying of pipe 52.131 Km. completed. Construction of Manhole 2291 Nos. completed. HSC PIT 4511 Nos. completed. Road Restoration 52.028 Km. completed.Direct connection to manhole- 1065 Nos. compited. House Hold Connection 3499 No. Completed. STP (60MLD)- SBR Basin casting - Completed. MPS casting - Completed. Gride Chamber casting- Completed. Thickener casting - Completed. MCC & blower room Casting- Completed. CCT Casting - 636.50 M3 Completed. Sludge Dewatering Building- Completed. MCC & blower room casting- Completed. Admin Cum lab Building casting - 298.00 M3 Completed.<br>Staff Quarter - 213.50 M3 casting Completed.<br>Physical Progress - 93 %, Financial Progress: & 106.50 % (154.96 Cr.) |
| 4 | | Saidpur | Sewerage Network | — | 172.50 | 268.63<br>426.71 | 01-04-15<br>24-01-17 | 27-Aug-15 | 431.21 Cr.<br>(C Cost- 399.55 Cr. And O&M Cost- 31.66 Cr.) | L&T<br>30-01-18 | 19/01/2021<br>31/12/2020 | 1284/28118 | Pipe Laying 78.94 km completed out of 162.38 km. manhole 2524 nos out of 6379 nos, Property Chamber 1109 nos completed out of 19618 nos, Road Restoration - 79.83 km (including Trenchless & DI pipe) completed out of 162.38 km. DI Rising Main 887m compleed. House Connection- 1284 nos completed.<br>Boundary wall works & Well sinking ongoing for Ambedkar SPS. Well sinking, Boundary wall & Staff quarters ongoing at Bazar Samiti SPS. Existing structure demotion ongoing at SPS Exhibition Road.<br>Physical Progress – 48.60%, Financial Progress & 60 % (235.53 Cr.) |
| 5 | | Karmalichak | Sewerage Treatment Plant | 37 | — | 77.04<br>83.97 | 15-07-14<br>05-01-15 | 7-Aug-15 | 73.61 Cr.<br>(C Cost- 44.11 Cr. and O&M Cost- 29.50 Cr.) | Voltas & GAA(JV)<br>31-03-17 | 05/10/2019<br>31/01/2020 | — | **Work completed. Trial & Run activity in progress.**<br>Physical Progress-100%, Financial Progress- 114.69 % (50.60 Cr.) |
| 6 | | Karmalichak | Sewerage Network | — | 96.54 | 277.42 | 16/03/2017 | 9-May-17 | 253.98 Cr.<br>(C Cost- 241.02 Cr. And O&M- 12.96 Cr.) | VA Tech Wabag<br>11/05/2018 | 20/5/2021<br>31/12/2020 | 7054/38169 | Sewer Network- 60.848 km completed, Manhole- 2354 nos completed<br>House Connection Pit - 6995 nos completed, Road Restoration- 46.037 km and 11.3 km. road comes in trenchless in which road restoration is not required. completed, House Connection - 7054 nos completed<br>road is restored in all respect & 11.3 Km road restoration is not required.<br>Physical Progress - 59%, Financial Progress – 55.85 % (154.96 Cr. ) |
| 7 | | Pahari STP | Sewerage Treatment Plant | 60 | — | 191.62 | 19/05/2017 | 1-Sep-17 | 147.65 Cr.<br>(C Cost- 84.20 Cr. And O&M- 63.44 Cr.) | VA Tech Wabag<br>09/05/2018 | 08/11/2020<br>31/12/2020 | — | 1-Main Pumping Station RCC & Sinking of 5 lifts of Wall pending<br>2-Sludge Dewatering Building Sludge Sump & Parshall Flume RCC work upto 1st floor slab casted =36cum.<br>3-SBR, CCT, Equalisation Tank & Was Sump RCC for Raft of SBR & CCT & Wall upto 4m out of 7.5m completed & Reinforcement & RCC works of EQ Tank & WAS Sump Raft in progress.<br>4- Admin Cum Lab Building RCC work till Roof Slab completed. Roof Slab ready to be casted.<br>5-Staff Quarter Finishing work in progress<br>Physical Progress - 53%, Financial Progress -21.14 %.(40.51 Cr.) |
| 8 | | Pahari-Zone IV A (S) | Sewerage Scheme in Sewerage Zone IV A (South) of Pahari, Patna | — | 87.89 | 184.86 | 22/05/2017 | 1-Sep-17 | 167.94Cr.<br>(C Cost- 144.86 Cr. And O&M- 22.94 Cr.) | EMS Infra & Technocraft Ltd.11/05/2018 | 29/05/2021<br>31/12/2020 | 3557/21300 | Sewer Network – 70.01 Km. completed, Manhole- 2530 Nos. completed<br>Property chamber- 3872 Nos. completed, Road Restoration 69.821 km Completed.<br>House Hold Connection 3557 Nos. Completed.<br>SPS Well, Screen Chamber, Inlet Chamber & Distribution Chamber, DG Room, Transformer Room, Duty Room, Security Room, MEP Room, Staff quarter and Valve Chamber, Boundary wall work completed.Electromechanical items procurement work has been done, now erection work under progress.<br>Physical Progress – 67%, Financial Progress - 66.25 % (122.48 Cr. ) |
| 9 | | Pahari Zone-V | Sewerage scheme at Pahari Zone V, Patna | — | 115.93 | 356.37 | 22/05/2017 | 1-Sep-17 | 364.90Cr.<br>(C Cost- 318.18 Cr. And O&M- 46.72 Cr.) | Sapoor Pallonji.<br>26/04/2018 | 26/04/2021<br>31/12/2020 | 2402/22855 | Sewer Network – 48.545 km completed out of 116 km, Manhole- 1503 nos completed out of 6306 nos, Property Chamber 2202 nos completed out of 31000 nos, Road Restoration 44.95 km completed out of 116 km, House Connection- 2402 completed out of 22855 km. SPS- Work under progress.<br>Physical Progress - 41.89%, Financial Progress - 21.68 % (77.28 Cr.) |

| Sr. No. | Status | Location | Project Name | STP Capacity (in MLD) | Sewer Network (in Km.) | Sanctioned Cost (Crore) GoI/GoB | Date of Sanction/ Date of AA&ES issue GoI/GoB | Date of NIT | Contract Price | Signing of Contract Contractors Name/ Date | Date of Completion (As per Agreement/ Projected by BUIDCo) | House Connection | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | Ongoing Project | Sultanganj | I&D works and STP at Sultanganj | 10 | — | 60.22 | 1/8/2017 | 30-12-17 | 63.51 Cr. (C Cost- 35.066 Cr. And O&M- 28.443 Cr.) | V.C.Project 14/9/2018 | 30/06/2020 31/12/2020 | | Compound wall work completed. MBBR- Structure completed. Walkway under progress. Construction of Admin Building- Finishing work under progress. Centrifugal Building Brick work under progress. Chlorine Contact Tank-Structure Completed Walkway under progress. Sludge Storage shed- Brick work in progress. Chlorine Tonner Building-Brick work in progress. Thickener, Filtrate Sump-3rd lift wall casting completed. Return Sludge Sump-Completed. Plate Sateler- Completed. MCC & Blower Building- Excavation work under progress. IPS-Chuja Gali/Vishahri Asthan Nala-Raft and Hounch casting work completed. 1st lift wall reinforcement under progress. Physical Progress - 26 % Financial Progress - 15.82 % (9.53 Cr.) |
| 11 | | Barh | I&D works and STP at Barh | 11 | — | 58.27 | 10/8/2017 | 22-06-18 | 53.90 Cr. (C Cost- 26.57 Cr. And O&M- 27.33 Cr.) | UEM India 22/10/2018 | 30/06/2020 31/12/2020 | | Boundary Wall Construction - 80% Approx. SBR Tank - 46.25 % wall completed. GST- 98% Approx. CCT- 35% Wall completed. HT & HT Meter Room- About 30% completed. Admin, MCC and Security Room- 30% completed. Transformer Foundation- 100% completed. DG foundation- 100% completed. Physical Progress - 37 % Financial Progress - 17.93 % (10.46 Cr.) |
| 12 | | Naugachhia | I&D works and STP at Naugachia | 9 | — | 60.79 | 1/8/2017 | 22-06-18 | 61.89 Cr. (C Cost- 35.01 Cr. And O&M- 26.88 Cr.) | UEM India 22/10/2018 | 30/06/2020 31/12/2020 | | BEP, Design & Drawing Approved on dated- 18.05.2020. Boundary wall- 90% work completed. SBR 3rd Lift Wall Casting 50% completed. CCT- 3rd lift wall casting under progress. Fine Screen and Grid Chamber- Work completed upto PL. Admin Building Air Blower Building and Staff Quarter- Work completed up to PL. Sludge Thickener - Excavation work in progress. Physical Progress - 15.00 % Financial Progress - 12.48 % (7.59 Cr.) |
| 13 | | Sonepur | I&D and STP at Sonepur | 3.5 | 3.6 | 30.93 | 14/09/2018 | Nov-19 | 29.35 Cr. (C Cost- 14.20 Cr. And O&M- 15.16 Cr.) | S.G.Const & S.N.Enviro. 04/06/2019 | 31/03/2020 31/12/2020 | | Foundation & Column upto plinth level of Panel Room & Admin Building Done & Excavation for SBR Done. Physical Progress - 15 % Financial Progress - 5.78 % (1.79 Cr.) |
| 14 | | Mokama | I&D works and STP at Mokameh | 8 | — | 63.81/ 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 | 30/06/2020 31/12/2020 | | Design & Drawing - Completed, SBR Tank - Stage 2 Completed. Admin Building - Stage 2 Completed, Panel Room - Stage 2 Completed Financial Progress : 6.89 % (4.2 Cr. ) |
| 15 | | Bakhtiyarpur | I&D and STP at Bakhtiyarpur | 10 | — | 35.88 | 24/12/2018 | Jan-19 | 36.04 Cr. (C Cost- 22.65 Cr. And O&M- 13.40 Cr.) | S.G. Construction & S.N.Enviro. 27/08/2019 | 30/08/2020 | | Agriculture Dept. has been requested to accord permission to construction STP in Land near Bakhtiyarpur. Financial Progress - 3.14 % (1.13 Cr.) |
| 16 | | Maner | I&D and STP at Maner | 6.5 | 3 | 41.36 | 2/1/2019 | Jan-19 | 40.83 Cr. (C Cost- 18.676 Cr. And O&M- 22.163 Cr.) | SIMA Labs Pvt. Ltd. & A.K. Contractor (J.V) 27/09/2019 | 26/09/2020 | | STP Land issue to be resolved. Financial Progress- 2.56 % (1.06 Cr.) |
| 17 | | Digha-Zone | STP & Sewer Network | 100 | 268 | 824 | 11/8/2017 | 15-06-18 | 1187.86 Cr. | VA Tech Wabag 30/12/2019 | 29/07/2022 | | Survey completed for sewerage network. Sewerage network design yet to received from agency. BEP and other design & drawings for Digha STP has been approved by BUIDCo. Soil testing in Digha STP land has been started. 955 Mtr. sewer line has been laid in R-Block Digha Road. Financial Progress - 0.42 Cr. |
| 18 | | Kankarbagh-Zone | STP & Sewer Network | 50 | 150 | 578.89 | 11/8/2017 | 15-06-18 | | VA Tech Wabag 30/12/2019 | 29/07/2022 | | Design and drawing under progress. Financial Progress - 0.29 Cr. |
| 19 | | Begusarai | STP & Sewer Network | 17 | 98 | 230.06 | 6/3/2018 | Aug-18 | 236.85 Cr. | Toshiba (JV) 04.02.2020 | 3/2/2022 | | Sewer Network - 16 Km. IPS- Design in process. STP- Design process. Physical Progress - 5.00 % Financial Progress - 18.05 Cr. |
| 20 | | Chhapra | I&D and STP | 32 | 18.96 | 236.15 | 30/11/2018 | Apr-19 | 244.39 Cr. | Toshiba (JV) 04.02.2020 | 19/09/2021 | | Sign Board and Fencing work in progress for IPS- 3 & 4 and Base Camp. Physical Progress - 5.00 % Financial Progrss - 12.05 Cr. |
| 1 | Tendered Project | Hajipur | STP & Sewer Network | 22 | 139.9 | 305.19 Revised | 5/3/2018 | 30-05-19 | — | | | | Financial bid is opened and under decision with respect to legal opinion received and sent to BUIDCo for necessary action. (Two Bid received) (Earlier contract terminated (Tritech) Status of Previous work done (Physical Progress-27%, Financial Progress -33.74 Cr.) |
| 2 | | Bhagalpur | I&D works and STP at Bhagalpur | 65 | 57.54 | 254.13 | 12/10/2017 | Aug-18 | — | | | | Proposal of BUIDCo for hiring of new consultant for DPR correction has been approved by SPMG and same submitted to NMCG vide BGCMS letter no- 165 dated: 09.04.2020. |
| 3 | | Fatua | I&D and STP | 7 | — | 35.49 | 24/12/2018 | Jun-19 | — | — | | | The decision to re-tender shall be taken in up in coming BUIDCo Board meeting. |
| 4 | | Danapur | I&D and STP | 25 | — | 103.27 | 8/2/2019 | Jun-19 | | | | | |
| 5 | | Phulwarisariff | I&D and STP | 7+6=13 | — | 46.25 | 8/2/2019 | Jun-19 | | | | | |

| Sr. No. | Status | Location | Project Name | STP Capacity (in MLD) | Sewer Network (in Km.) | Sanctioned Cost (Crore) GoI/GoB | Date of Sanction/ Date of AA&ES issue GoI/GoB | Date of bid | Contract Price | Signing of Contract Contractors Name/ Date | Date of Completion (As per Agreement/ Projected by BUIDCo) | House Connection | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | Tendered Project | Khagaria | I&D and STP | 4.5 | — | 21 | 24/12/2018 | Jul-19 | — | — | | | Three Bids received. Evaluation under progress. |
| 7 | | Munger | STP & Sewer Network | 30 | 165.73 | 294.02 | 5/3/2018 | — | — | — | | | World Bank observation on TBER received from NMCG and compliance undr process in BUIDCo. (Earlier contract terminated (IVRCL) Status of Previous work done(Physical Progress-21%, Financial Progress -3.25 Cr.),Revised AA&ES Rs. 294.02 Cr. Vide NMCG Lt. No.- J-13011/1/2009, Dt. 05-03-18.) |
| 8 | | Barshiya | I&D and STP | 6 | | 27 | 30.12.2019 | — | — | — | | | Three Bids received. Evaluation under progress. |
| 9 | | Kahalgaon | I&D and STP | 6 | | 25.77 | 30.12.2019 | — | — | — | | | Three Bids received. Evaluation under progress. |
| 1 | Tender to be floated | Buxar | Sewerage Treatment Plant & Sewer Network | 16 | 95 | 74.95<br>164.23(R) | 31/12/2019 | — | — | — | | | Observations of NMCG and World Bank have been received the same are being complied by Buidco.<br>(Work under previous contractor Tritech.<br>Boundary wall work is completed. Pipe laying 39.5 completed manholes 1331 Nos. out 4015 Nos. completed, IPS-1 at ITI ground 30 % civil work completed, STP - 70% Completed, Work stopped. Physical Progress-39%, Financial progress- 17.29 Cr.<br>Due to no progress, contract has been terminated. NOC for termination is received.) |
| 1 | Ongoing Projects | Patna | River Front Development of Patna | 20 Ghat | 5.5 Km | 243.27<br>336.73<br>(Revd) | 19/6/2013<br>26/02/2019 | - | 254.62 Cr | L&T<br>24.04.14 | 23-03-2019 /<br>20-05-2020<br>(4th Extension) | | 16 Ghats completed out of 20 Ghats.<br>1. Audio Visual Theatre (AVT) Building at Barhawa Ghat completed.<br>2. ECO Center at Collectrate Ghat- completed.<br>3. Community Cum Cultural Center at Raja Ghat-completed.<br>Crematorium at Gulvighat - completed. Start cremation by PMC<br>Promenade - 5.5 km completed. All Ghats and Promenade with building and crematoria handed over to PMC, Patna for Operation and Maintenance.<br>Physical Progress-93% Financial progress- 99.91% (302.77 Cr.) |
| 1 | Tendered Project | Muzaffarpur | Development works of Ghats | 3 Ghats | | 10.77 | 7/3/2019 | | | | | | LOA Issued.<br>Financial Progress - 0.05 Cr. |
| 2 | | Gopalganj | Development works of Ghats | 2 Ghats | | 8.25 | 7/3/2019 | | | Baban Kr Singh<br>04.01.20 | | | 1. Pile work- 182 Nos. have been completed (Both Ghat)<br>2. Tie Beam - 06 Rows have been compited of 1st Ghat and 06 Rows of 2nd Ghat.<br>3. Waist slab Reinforcement - 02 Rows have been completed of 1st Ghat and 2 row of 2nd Ghat.<br>Physical Progress - 30 % Financial Progress - 1.14 Cr. |
| Total | | | | 651.5MLD<br>25 Ghat | 1747.92 KM | 5684.36<br>6041.26 | | | | | | 22062<br>146801 | कुल अद्यतन व्यय :– 1548.36 करोड़। |

1. पटना गंगा नदी तट विकास परियोजना चरण–2 के तहत गौघर घाट से गुलबुर घाट के बीच 27 घाट, 05 कि.मी. प्रोमिनाड सहित अन्य संरचनाओं हेतु 2180.00 करोड़ का प्रस्ताव।

| | | | |
|---|---|---|---|
| 1 | Total Sanctioned cost of Sewerage Project (for Patna) - | 3237.59 (GOI)<br>3594.59 (GOB) | House Connection up to date on 30.06.2020 |
| 2 | Total Sanctioned cost of Sewerage Project (Excluding Patna) - | 2090.92 (GOI)<br>2090.92 (GOB) | |
| 3 | Grand Total (1+2) | 5328.61 (GOI)<br>5685.91 (GOB) | |
| 4 | RFD Patna Project | 243.27 Cr.<br>336.73 Cr. (Revised Cost) | |
| 5 | Other Ghats | 19.02 Cr. | |
| 6 | Total Expenditure | 1548.36 crore (30.06.2020) | |

Amount in Rs Crore

**Status of DPR Preparation:**

23 Ganga Towns: All prepared and sent to NMCG. Approval Awaited for Manihari, Dighwara, Teghra (Total- 3) but as per NMCG letter dated 23.12.2019 and stated that those towns may consider for fecal sludge managment : Buxar approved on 31.12.2019. Jamalpur revised DPR and TPA compliance report awaited from BUIDCo.

15 Tributities Town: Prepared and sent to NMCG for approval- Arwal (Total- 01). Dehri and supaul towns approval in under progress by NMCG (Total-02). Muzzaffarpur & Gopalganj towns revised DPR and compliance report awaited from BUIDCo. Rest of out of 10 towns 8 from NEERI, 1 (Samastipur) from REPL & 1 (Bagaha) from Dara Shah & PSB the complaince report and revised DPR not received yet from BUIDCo. DPR for 4 towns Raxaul, Jogbani, Narkatiyaganj and harinagar related to Hon'ble NGT are under preparation by NEERI.

| Sewerage Management in Bihar | | | | | |
|---|---|---|---|---|---|
| **Treatment Capacity Total Towns- 22 Ganga Towns** | | | | | |
| **Sewerage Generation (in MLD)** | **Existing** | **GAP** | **Proposed** | **Timeline** | **Remarks** |
| 651.5 MLD | NIL | 651.5 MLD | Dec' 2022 | **Completed** - 1 Project<br>**Aug' 20** – 1 Project<br>**Dec' 20**- 6 Projects<br>**Jan' 21**- 1 Project<br>**June' 21**- 2 Projects<br>**Dec' 21** - 5 Projects<br>**June' 22** – 4 Projects<br>**Dec ' 22** - 5 Projects | Project wise timeline report annexed as **Annex-1** |

| Sewerage Network in Bihar | | | | |
|---|---|---|---|---|
| **Existing Sewerage Length** | **Required** | **GAP** | **Timeline** | **Remarks** |
| 429.71 KM | 1747.92 KM | 1318.21 KM | **June' 20 –** 1 Project<br>**Dec' 20** - 5 Projects<br>**June' 22** - 1 Project<br>**Dec' 22** - 5 Projects | Project wise timeline report annexed as **Annex-1** |

| Number of STPs in Bihar | | | | |
|---|---|---|---|---|
| **Number of STPs** | **New Proposed** | **Total STPs** | **Timeline** | **Remarks** |
| NIL | 25 | 25 | **Completed** - 1 Project<br>**June' 20** – 2 Projects<br>**Dec' 20**- 6 Projects<br>**June' 21**- 2 Projects<br>**Dec' 21** - 5 Projects<br>**June' 22** – 4 Projects<br>**Dec ' 22** - 5 Projects | Project wise timeline report annexed as **Annex-1** |

| Re-Use of Treated Sewage | | | | |
|---|---|---|---|---|
| **Present Utilization** | **Proposed** | **Timeline** | **Type of Use** | **Remarks** |
| Nil | 651.5 MLD | - | Agriculture purpose only | Treated sewage water of STP having capacity 100 MLD or above will be used by Water Resource Department and less than 100 MLD will be used by Minor Water Resource Department for agriculture purpose as per the decision of State Government of Bihar. |

| Restoration of Polluted River Stretches in Bihar | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Priority Class** | **I** | **II** | **III** | **IV** | **V** | **VI** | **Total** |
| No of PRS | | | 1 | | 5 | | 6 |

| S. No | River Name | Stretche Identify | BOD Range max value | Priority |
|---|---|---|---|---|
| 1 | Ganga River | • Buxar to Manihari<br>• Total no of towns – 22 (list of towns is attached as annex – 1) | | V |
| 2 | Punpun River | • Fatuha | | V |
| 3 | RamrekhaRiver | • Harinagar (Ramnagar) | | V |
| 4 | Sikrahna River | • Narkatiaganj | | V |
| 5 | Parmar River | • Jogbani | | V |
| 6 | Sirsia River | • Raxual | | III |

**Annexure-3 (b)**

| Status of STPs and Its Timelines | | | | | | |
|---|---|---|---|---|---|---|
| **S.No** | **Action Point** | **Terms** | **Action Taken** | **Project completion date as per plan** | **Amendment in timeline, If any** | **Total Cost in Cr.** |
| 1. | **Patna:** | | | | | |
| (a) | Pahari STP | Physical Progress- 53.00% | Ongoing | As per agreement date of completion 9/11/2020 | Target date of completion Dec, 2020 | 147.65 |
| (b) | Pahari Sewerage Network Zone IV_A(S) | Physical Progress- 67.00% | Ongoing | As per agreement date of completion 28/02/2021 | Target date of completion Dec, 2020 | 167.84 |
| (c) | Pahari Sewerage Network Zone V | Physical Progress- **41.89**% | Ongoing | As per agreement date of completion 25/04/2021 | Target date of completion Dec, 2020 | 364.9 |
| (d) | Beur STP | Physical Progress- 99.00% | Ongoing | As per agreement date of completion 5/10/2019 | Proposal for completion August, 2020 | 77.85 |
| (e) | Beur Sewerage Network | Physical Progress- **68.94**% | Ongoing | As per agreement date of completion 5/4/2020 | Target date of completion Dec, 2020 | 398.4 |
| (f) | Karmalichak STP | Physical Progress- 100% | Completed | As per agreement date of completion 5/10/2019 | - | 73.61 |
| (g) | Karmalichak Sewerage Network | Physical Progress- 59.00% | Ongoing | As per agreement date of completion 20/05/2021 | Target date of completion Dec, 2020 | 253.98 |
| (h) | Saidpur STP & Adjoining Network | Physical Progress- 93.00% | Ongoing | As per agreement date of completion 5/4/2020 | Target date of completion Jan, 2021 | 188.18 |
| (i) | Saidpur Sewerage Network | Physical Progress- **48.60**% | Ongoing | As per agreement date of completion | Target date of completion | 431.21 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | 29/01/2021 | Dec, 2020 | |
| (j) | Digha STP and Sewerage Scheme | Survey work is completed, for sewerage network, design under progress. | Ongoing | Agreement Executed on 30.12.2019, Target date of completion Dec, 2022 | - | 1187.86 |
| (k) | Kankarbagh STP and Sewerage Scheme | Design and drawing under progress. | Ongoing | Agreement Executed on 30.12.2019, Target date of completion Dec, 2022 | - | |
| (l) | Phulwarishariff I&D and STP | The decision to re-tender shall be taken up in coming BUIDCo Board meeting. | Tendered | Target date of completion Dec, 2021 | - | 46.25 (Sanctioned) |
| 2 | Sultanganj I&D and STP | Physical Progress- 26.00% | Ongoing | As per agreement date of completion Dec, 2019 | Proposal for completion Dec, 2020 | 63.51 |
| 3. | Barh I&D and STP | Physical Progress- **37.00**% | Ongoing | As per agreement date of completion January, 2020 | Proposal for completion Dec, 2020 | 53.9 |
| 4. | Naugachhia I&D and STP | Physical Progress- 15.00% | Ongoing | As per agreement date of completion January, 2020 | Proposal for completion Dec, 2020 | 61.89 |
| 5. | Mokama I&D and STP | Design & Drawing - Completed,<br>SBR Tank - Stage 2 Completed.<br>Admin Building - Stage 2 Completed,<br>Panel Room - Stage 2 Completed | Ongoing | As per agreement date of completion June, 2020 | Proposal for completion Dec, 2020 | 59.17 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 6 | Sonepur I&D and STP | Physical Progress- 15.00% | Ongoing | As per agreement date of completion Feb, 2020 | Proposal for completion Dec, 2020 | 29.35 |
| 7. | Maner I&D and STP | Agreement executed with successful bidder. | Ongoing | As per agreement date of completion Dec, 2020 | Proposal for completion June, 2021 | 40.83 |
| 8 | Bakhtiyarpur I&D and STP | Agreement executed with successful bidder. | Ongoing | As per agreement date of completion Dec, 2020 | Proposal for completion June, 2021 | 36.04 |
| 9. | Bhagalpur I&D and STP | Proposal of BUIDCo for hiring of new consultant for DPR correction has been approved by SPMG and same submitted to NMCG vide BGCMS letter no-165 dated: 08.04.2020. | Tendered | Target date of completion June, 2022 | - | 254.13 (Sanctioned) |
| 10. | Hajipur STP and Sewer Network | Two Bids received. Financial bid is opened and under decision with respect to legal opinion received and sent to BUIDCo for necessary action. | Tendered, Two bid received on 25.10.2019 | Target date of completion Dec, 2022 | - | 305.19 (Sanctioned) |
| 11. | Chhapra I&D and STP | Physical Progress- 5.00% | Ongoing | Target date of completion Dec, 2021 | - | 236.15 (Sanctioned) |
| **12.** | Buxar STP and Sewer Network | Observations of NMCG and World Bank have been received the same are being complied by BUIDCo. | Revised AA&ES amounting Rs. 128.14 Cr obtained from NMCG. Tender to be floated. | Target date of completion Dec, 2022 | - | 164.23 (Sanctioned) |
| 13. | Begusarai STP and Sewer Network | Survey work is completed, Physical Progress- 5.00%. | Ongoing | Target date of completion June. 2022 | - | 230.06 (Sanctioned) |

| | | | | | | |
|---|---|---|---|---|---|---|
| 14. | Danapur I&D and STP | The decision to re-tender shall be taken up in coming BUIDCo Board meeting. | Tendered | Target date of completion Dec, 2021 | Target date of completion Dec, 2021 | 103.27 (Sanctioned) |
| 15. | Khagaria I&D and STP | Three Bids received. Bid Evaluation under progress. | Tendered | Target date of completion Dec, 2021 | Target date of completion Dec, 2021 | 21.00 (Sanctioned) |
| 16. | Munger STP and Sewer Network | World Bank observation on TBER received from NMCG and compliance under process in BUIDCo. | Tendered, 4 Bids received on 07.01.2020. | Target date of completion Dec, 2022 | - | 294.02 (Sanctioned) |
| 17. | Barahiya I&D and STP | Three Bids received. Bid Evaluation under progress. | AA&ES received on 31.12.2019 | Target date of completion June, 2022 | - | 27.00 (Sanctioned) |
| 18. | Kahalgaon I&D and STP | Three Bids received. Bid Evaluation under progress. | AA&ES received on 30.12.2019 | Target date of completion June, 2022 | - | 25.77 (Sanctioned) |
| 19. | Dighwara I&D and STP | Proposed project, Revised DPR sent to NMCG for approval. | Compliance report sent to NMCG for DPR approval on 24.08.2018 | Target date of completion Dec, 2021 | - | - |
| 20. | Teghra I&D and STP | Proposed project, Revised DPR sent to NMCG for approval. | Compliance report sent to NMCG for DPR approval on 17.12.2018 | Target date of completion Dec, 2021 | - | - |
| 21. | Manihari I&D and STP | Proposed project, DPR prepared. | DPR sent to NMCG for approval on 06.08.2018 | Target date of completion Dec, 2021 | - | - |
| 22. | Jamalpur I&D and STP | Proposed project, DPR sent to NMCG for approval. | Compliance of TPA awaited. | Target date of completion Dec, 2021 | - | - |
| 23. | Khagaul I&D and STP | Proposed project | DPR is under preparation | Target date of completion Dec, 2021 | - | - |
| **3. Status of STPs in state of Bihar under NamamiGangeProgramme in 5 River Stretches** | | | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **2** | **Punpun River** | | | | | |
| 1 | Fatuha I&D and STP | The decision to re-tender shall be taken in up in coming BUIDCo Board meeting. | Tendered | Target date of completion Dec, 2021 | - | - |
| **3** | **Ramrekha River** | | | | | |
| 1. | Harinagar (Ramnagar) I&D and STP | Proposed project | DPR is under preparation by NEERI | Target date of completion Dec, 2021 | - | - |
| **4** | **Sikrahna River** | | | | | |
| 1 | Narkatiaganj I&D and STP | Proposed project | DPR is under preparation by NEERI | Target date of completion Dec, 2021 | - | - |
| **5** | **Parmar River** | | | | | |
| 1 | Jogbani I&D and STP | Proposed project | DPR is under preparation by NEERI | Target date of completion Dec, 2021 | - | - |
| **6** | **Sirsia River** | | | | | |
| 1 | Raxual I&D and STP | Proposed project | DPR is under preparation by NEERI | Target date of completion Dec, 2021 | - | - |
| **2. Status of STPs in Bihar State of other 7 Tributaries of River Ganga** | | | | | | |
| **I** | **Sone River** | | | | | |
| 1 | Dehri I&D and STP | Proposed project | DPR is prepared by PBS and send to NMCG for approval | Target date of completion Dec, 2021 | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Arwal I&D and STP | Proposed project | DPR is prepared by Aarveer Associates and send to NMCG for approval | Target date of completion Dec, 2021 | | |
| 3 | Daudnagar I&D and STP | Proposed project | DPR is under preparation by NEERI | Target date of completion Dec, 2021 | | |
| **II** | **BurhiGandak River** | | | | | |
| 1 | Muzaffarpur I&D and STP | Proposed project | DPR is prepared by DARASHAW and send to NMCG for approval and TPA compliance in progress | Target date of completion Dec, 2021 | | |
| 2 | Samastipur I&D and STP | Proposed project | DPR is under preparation by REPL | Target date of completion Dec, 2021 | | |
| 3 | Motihari I&D and STP | Proposed project | DPR is under preparation by NEERI | Target date of completion Dec, 2021 | | |
| **III** | **Kosi River** | | | | | |
| 1 | Supaul I&D and STP | Proposed project | DPR is prepared by NEERI and send to NMCG for approval | Target date of completion Dec, 2021 | | |
| 2 | Saharsa I&D and STP | Proposed project | DPR is under preparation by NEERI | Target date of completion Dec, 2021 | | |
| 3 | Madhepur I&D and STP | Proposed project | DPR is under preparation by NEERI | Target date of completion Dec, 2021 | | |
| **IV** | **Baghmati River** | | | | | |
| 1 | Darbhanga I&D and STP | Proposed project | DPR is under preparation by NEERI | Target date of completion Dec, 2021 | | |
| **V** | **Gandak River** | | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | Gopalganj I&D and STP | Proposed project | DPR is prepared by SECON and send to NMCG for approval | Target date of completion Dec, 2021 | | |
| 2 | Bagha I&D and STP | Proposed project | DPR is under preparation by DARASHAW | Target date of completion Dec, 2021 | - | |
| **VI** | **Mahananda River** | | | | | |
| 1 | Kishanganj I&D and STP | Proposed project | DPR is under preparation by NEERI | Target date of completion Dec, 2021 | | |
| **VII** | **Kiul River** | | | | | |
| 1 | Lakhisarai I&D and STP | Proposed project | DPR is under preparation by NEERI | Target date of completion Dec, 2021 | | |
| 2 | Jamui I&D and STP | Proposed project | DPR is under preparation by NEERI | Target date of completion Dec, 2021 | | |

**Annexure-3(c)**

**TOWNWISE INFORMATION ON SEWAGE MANAGEMENT IN DIFFERENT STATES**

| Sl. No. | State | City/ Town | Population (based on 2011 Census) | Sewage Generation (MLD), (based on 2011 population Census data) | STP capacity Installed (to be installed in MLD) | Implementing agency | Year of Commissioning | Scheme under which STP was constructed | Design parameter | Technology adopted | Utilization capacity | Influent parameter | Effluent parameter | Use of treated effluent in MLD, if any | Discharge of treated effluent to natural water bodies/ land (MLD) | Present monitoring system | Sludge Management | Operational status | Status of STP proposed to be constructed/ Underconstruction |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Bihar | Patna, Pahari STP | 1,684,222 | 181.9 | 60 | BUIDCo | Nov-20 | Namami Gange | for 15 yrs | SBR | Not applicable as STP is not commissioned till date | As per CPHEEO Manual | As per MoEF &CC notification Oct,2017 | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Under construction | Under construction |
| | | Patna, Beur STP | | | 43 | BUIDCo | Mar-20 | Namami Gange | for 15 yrs | SBR | Not applicable as STP is not commissioned till date | As per CPHEEO Manual | Asper old MoEF &CC guideline | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Under construction | Under construction |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Patna,Karmalichak STP | | | 37 | BUIDCo | Completed | Namami Gange | for 15 yrs | SBR | Not applicable as STP is not commissioned till date | As per CPHEEO Manual | Asper old MoEF &CC guideline | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Completed | Completed |
| | | Patna,Saidpur STP | | | 60 | BUIDCo | Apr-20 | Namami Gange | for 15 yrs | SBR | Not applicable as STP is not commissioned till date | As per CPHEEO Manual | Asper old MoEF &CC guideline | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Under construction | Under construction |
| | | Patna.Digha STP | | | 100 | BUIDCo | Dec-22 | Namami Gange | for 15 yrs | ASP | Not applicable as STP is not commissioned till date | As per CPHEEO Manual | Asper MoEF &CC notification Oct,2017 | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Agreement done on 30/12/2019 | Agreement done on 30/12/2019 |
| | | Patna,Kankarbagh STP | | | 50 | BUIDCo | Dec-22 | Namami Gange | for 15 yrs | ASP | Not applicable as STP is not commissioned till date | As per CPHEEO Manual | Asper MoEF &CC notification Oct,2017 | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Agreement done on 30/12/2019 | Agreement done on 30/12/2019 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | | Danapur | 182,241 | 19.7 | 25 | BUIDCo | Jun-21 | Namami Gange | for 15 yrs | Not yet finalized | Not applicable as STP is not commissioned till date | As per CPHEEO Manual | As per NGT order April2019 | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Under tender | Under tender |
| 3 | | Maner | 40,068 | 4.3 | 6.5 | BUIDCo | Sep-21 | Namami Gange | for 15 yrs | SBR | Not applicable as STP is not commissioned till date | As per CPHEEO Manual | Asper MoEF &CC notification Oct,2017 | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Under construction | Under construction |
| 4 | | Fatuha | 50,961 | 5.5 | 7 | BUIDCo | Jun-21 | Namami Gange | for 15 yrs | Not yet finalized | Not applicable as STP is not commissioned till date | As per CPHEEO Manual | As per NGT order April2019 | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Under tender | Under tender |
| 5 | | Barh | 61,470 | 6.6 | 11 | BUIDCo | Dec-22 | Namami Gange | for 15 yrs | SBR | Not applicable as STP is not commissioned till date | As per CPHEEO Manual | Asper MoEF &CC notification Oct,2017 | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Under construction | Under construction |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | | Bakhtiyarpur | 47,897 | 5.2 | 10 | BUIDCo | Sep-21 | Namami Gange | for 15 yrs | SBR | Not applicable as STP is not commissioned till date | As per CPHEEO Manual | Asper MoEF &CC notification Oct,2017 | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Under construction | Under construction |
| 7 | | Phulwarishariff | 81,740 | 8.8 | 13 | BUIDCo | Jun-21 | Namami Gange | for 15 yrs | Not yet finalized | Not applicable as STP is not commissioned till date | As per CPHEEO Manual | As per NGT order April2019 | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Under tender | Under tender |
| 8 | | Mokama | 60,678 | 6.6 | 8 | BUIDCo | Jun-21 | Namami Gange | for 15 yrs | SBR | Not applicable as STP is not commissioned till date | As per CPHEEO Manual | Asper MoEF &CC notification Oct,2017 | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Under construction | Under construction |
| 9 | | Hajipur | 147,688 | 16.0 | 22 | BUIDCo | Jun-22 | Namami Gange | for 15 yrs | Not yet finalized | Not applicable as STP is not commissioned till date | As per CPHEEO Manual | As per NGT order April2019 | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Under tender | Under tender |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | | Chhapra | 202,352 | 21.9 | 32 | BUIDCo | Sep-21 | Namami Gange | for 15 yrs | SBR | Not applicable as STP is not commissioned till date | As per CPHEEO Manual | Asper MoEF &CC notification Oct,2017 | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | LoA issued | LoA issued |
| 11 | | Sonepur | 37,776 | 4.1 | 3.5 | BUIDCo | Feb-21 | Namami Gange | for 15 yrs | SBR | Not applicable as STP is not commissioned till date | As per CPHEEO Manual | Asper MoEF &CC notification Oct,2017 | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Under construction | Under construction |
| 12 | | Begusarai | 252,008 | 27.2 | 17 | BUIDCo | Dec-21 | Namami Gange | for 15 yrs | SBR | Not applicable as STP is not commissioned till date | As per CPHEEO Manual | Asper MoEF &CC notification Oct,2017 | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | LoA issued | LoA issued |
| 13 | | Buxar | 102,861 | 11.1 | 16 | BUIDCo | Sep-22 | Namami Gange | for 15 yrs | Not yet finalized | Not applicable as STP is not commissioned till date | As per CPHEEO Manual | As per NGT order April2019 | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Tender to be published | Tender to be published |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | | Munger | 213,303 | 23.0 | 30 | BUIDCo | Sep-22 | Namami Gange | for 15 yrs | SBR | Not applicable as STP is not commissioned till date | As per CPHEEO Manual | As per NGT order April2019 | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Bid evaluation under process | Bid evaluation under process |
| 15 | | Sultanganj | 52,892 | 5.7 | 10 | BUIDCo | Dec-20 | Namami Gange | for 15 yrs | MBR | Not applicable as STP is not commissioned till date | As per CPHEEO Manual | Asper MoEF &CC notification Oct,2017 | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Under construction | Under construction |
| 16 | | Bhagalpur | 400,146 | 43.2 | 45 | BUIDCo | Dec-21 | Namami Gange | for 15 yrs | Not yet finalized | Not applicable as STP is not commissioned till date | As per CPHEEO Manual | Asper MoEF &CC notification Oct,2017 | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Under tender | Under tender |
| 17 | | Naugachia | 49,069 | 5.3 | 9 | BUIDCo | Dec-20 | Namami Gange | for 15 yrs | SBR | Not applicable as STP is not commissioned till date | As per CPHEEO Manual | Asper MoEF &CC notification Oct,2017 | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Under construction | Under construction |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | | Khagaria | 49,406 | 5.3 | 4.5 | BUIDCo | Jun-21 | Namami Gange | for 15 yrs | Wetland technology | Not applicable as STP is not commissioned till date | As per CPHEEO Manual | Asper MoEF &CC notification Oct,2017 | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Under tender | Under tender |
| 19 | | Barahiya | 43,032 | 4.6 | 6 | BUIDCo | Dec-21 | Namami Gange | for 15 yrs | Not yet finalized | Not applicable as STP is not commissioned till date | As per CPHEEO Manual | As per NGT order April2019 | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Under tender | Under tender |
| 20 | | Kahalgaon | 33,700 | 3.6 | 6 | BUIDCo | Dec-21 | Namami Gange | for 15 yrs | Not yet finalized | Not applicable as STP is not commissioned till date | As per CPHEEO Manual | As per NGT order April2019 | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Not applicable as STP is not commissioned till date | Under tender | Under tender |
| 21 | | Didhwara | 96,811 | 10.5 | | | Not yet sanctioned | | | | | | | | | | | Not yet sanctioned | Not yet sanctioned |
| 22 | | Teghra | 56,234 | 6.1 | | | Not yet sanctioned | | | | | | | | | | | Under DPR | Under DPR |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | | Manihari | 191,407 | 20.7 | | | Not yet sanctioned | | | | | | | | | | | Under DPR | Under DPR |
| 24 | | Jamalpur | 105,434 | 11.4 | | | Not yet sanctioned | | | | | | | | | | | Under DPR | Under DPR |
| 25 | | Khagual | 44,364 | 4.8 | | | Not yet sanctioned | | | | | | | | | | | Under DPR | Under DPR |
| 26 | | Harinagar/Ramnagar | 48,411 | 5.2 | | | Not yet sanctioned | | | | | | | | | | | Under DPR | Under DPR |
| 27 | | Narkatiaganj | 49,507 | 5.3 | | | Not yet sanctioned | | | | | | | | | | | Under DPR | Under DPR |
| 28 | | Jogbani | 39,281 | 4.2 | | | Not yet sanctioned | | | | | | | | | | | Under DPR | Under DPR |
| 29 | | Raxual | 55,536 | 6.0 | | | Not yet sanctioned | | | | | | | | | | | Under DPR | Under DPR |
| 30 | | Dehri | 137,231 | 14.8 | | | Not yet sanctioned | | | | | | | | | | | Under DPR | Under DPR |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | | Arwal | 51,849 | 5.6 | | | Not yet sanctioned | | | | | | | | | | | Under DPR | Under DPR |
| 32 | | Daudnagar | 52,364 | 5.7 | | | Not yet sanctioned | | | | | | | | | | | Under DPR | Under DPR |
| 33 | | Muzafarpur | 354,462 | 38.3 | | | Not yet sanctioned | | | | | | | | | | | Under DPR | Under DPR |
| 34 | | Samastipur | 67,925 | 7.3 | | | Not yet sanctioned | | | | | | | | | | | Under DPR | Under DPR |
| 35 | | Motihari | 126,158 | 13.6 | | | Not yet sanctioned | | | | | | | | | | | Under DPR | Under DPR |
| 36 | | Supaul | 65,437 | 7.1 | | | Not yet sanctioned | | | | | | | | | | | Under DPR | Under DPR |
| 37 | | Saharsa | 156,540 | 16.9 | | | Not yet sanctioned | | | | | | | | | | | Under DPR | Under DPR |
| 38 | | Madepura | 54,472 | 5.9 | | | Not yet sanctioned | | | | | | | | | | | Under DPR | Under DPR |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39 | | Darbhanga | 296,039 | 32.0 | | | Not yet sanctioned | | | | | | | | | | | Under DPR | Under DPR |
| 40 | | Gopalganj | 67,339 | 7.3 | | | Not yet sanctioned | | | | | | | | | | | Under DPR | Under DPR |
| 41 | | Bagha | 112,634 | 12.2 | | | Not yet sanctioned | | | | | | | | | | | Under DPR | Under DPR |
| 42 | | Kisanganj | 105,782 | 11.4 | | | Not yet sanctioned | | | | | | | | | | | Under DPR | Under DPR |
| 43 | | Lakhisarai | 99,979 | 10.8 | | | Not yet sanctioned | | | | | | | | | | | Under DPR | Under DPR |
| 44 | | Jamui | 87,357 | 9.4 | | | Not yet sanctioned | | | | | | | | | | | Under DPR | Under DPR |

**Annexure - 4**

# Urban Development and Housing Department, Govt. of Bihar

## Solid Waste Management Report

**STATE OF BIHAR**

**(1) Solid Waste Management including Legacy Waste**

| **Status of Solid Waste Management in Bihar** | | | | |
|---|---|---|---|---|
| **Total No. of ULBs : 142** | | | | |
| **MSW Generated (TPD)** | **MSW Processed (TPD)** | **MSW Landfill (TPD)** | **Gap (TPD)** | **Timeline** |
| 2272 | 1226 (54%) | 112 (4.9 %) | 934(41.1%) | Environment Clearance (EC) from SEIAA needed**.** **December 2022** |

| Assessment of SWM Facilities (Capacity Wise) | | | | |
|---|---|---|---|---|
| | Required Capacity (TPD) | Existing Capacity (TPD) | Gap (TPD) | Observations |
| Waste Segregation Facility (MRF) | 954 (TPD) DRY WASTE | 515(54 %) | 439 (46%) | Non-biodegradable waste Presently being Processed through Self-Help Groups (SHGs), informal waste picker, Local waste recycler and rag picker in all ULBs. |

| Waste Processing | | | | |
|---|---|---|---|---|
| Biodegradable Waste (Bio-methanation and Composting | 1068 (TPD) WET WASTE | 576.8 (54%) | 491 (46%) | Work underway through 126 composting units at 79 ULBs of Bihar. |
| Non Biodegradable (Recycling: RDF, WTE Co-processing) | 260 (TPD) | 5 (TPD) | 255 (TPD) | Considering population more than 10,0000 Cites required 26 units of Recycling Plant (5TPD)and 26 units RDF plant (5TPD) respectively.<br><br>01 Recycling plantof capacity 05 TPD at Patna Municipal corporation Started. |
| Waste Disposal (Landfill) | 250 (TPD) Inert Waste | 112 (TPD) | 138 (TPD) | Inert waste @ 11% yet to be planned and work will be done as per assumption.<br><br>Out of 142 ULBs, 103 have their own sanitary landfill sites, while 39 ULBs have been tagged to the nearby location. |

| Assessment of SWM Facilities (ULB wise) | | | | | |
|---|---|---|---|---|---|
| | Required | Existing | Gap | Time frame | Observations |

| | | | | | |
|---|---|---|---|---|---|
| Waste Segregation Facility (MRF) | 223 no. | 67 no | 156 no | December 2022 | Suitable Land for **Material Recovery Facility (MRF)**Center Development has identified in all 142 ULBs.<br>Work started at 67 sites in 50 ULB. |
| Waste Processing | | | | | |
| Bio-Degradable waste (Bio-methanation and Composting | 268site | 126 site | 142 site | December 2020 | State has gone for decentralized composting out of 142 ULBs.142 ULBs have identified land for waste to compost plant for <05 TPD.<br>Work started to processing the wet waste at 126 sites in 79 ULBs.<br>142 sites under construction in left ULBs. |
| Non Biodegradable (Recycling RDF, co-processing) | 52 no | 01 no | 51 no | December 2022 | All 26 cities having population more than one lakh Land available for Recycling and RDF Plant. |
| Waste Disposal (Inert Landfill) | 142 | 103 ULBs | 38 (tagged) | December 2022 | Out of 142 ULBs land has already been identified in 103 ULBs for setting up sanitary Landfills facility. 39 ULBs tagged for sanitary Landfill facility nearer locations. |

| Legacy Waste | | |
|---|---|---|
| 1 | Number of Dumpsites | 04 sites |

| | | |
|---|---|---|
| | | (Where dumping of waste is closed and treated as Legacy Waste. Patna, Muzaffarpur, Gaya and Darbhanga Municipal corporation ) |
| 2 | Quantity of Waste dumped at Dumpsites | 3288 MT |
| 3 | Number of dumpsites cleared | 00<br><br>(Patna and Muzafarpur municipal corporation has started the legacy waste remediation) |
| 4 | Number of dumpsites in which bio-mining has commenced | Patna and Muzaffarpur Municipal corporation has stated bio mining work and completed by March 2022 |
| 5 | Time frame for clearing all dumpsites | March 2022 |

## Annexure - 5

# Water Quality Status of River Ganga during the months of April, May and June, 2020

| Sl. No. | Sampling Point | | pH | D.O. mg/L | B.O.D. mg/L | T.C. MPN/100ml | F.C. MPN/100ml | Designated best use |
|---|---|---|---|---|---|---|---|---|
| 1 | Ganga at Chausa karmnasa D/S Confluence , Buxar | April | **8.15** | **9.7** | **1.4** | **3900** | **2200** | **Class-D** |
| | | May | **8.50** | **10.6** | **1.9** | **17000** | **2700** | |
| | | June | **8.56** | **11.8** | **2.0** | **13000** | **2700** | |
| 2 | Ganga at Ramrekha ghat, Buxar. Dist.- Buxar | April | **8.38** | **9.5** | **1.9** | **14000** | **2600** | **Class-D** |
| | | May | **8.47** | **9.5** | **1.3** | **22000** | **11000** | |
| | | June | **8.22** | **8.5** | **2.3** | **28000** | **22000** | |
| 3 | Ganga River at Jail Ghat, Buxar | April | **8.19** | **9.4** | **1.6** | **4000** | **3300** | **Class-D** |
| | | May | **8.33** | **9.8** | **1.4** | **17000** | **4000** | |
| | | June | **8.13** | **8.8** | **1.9** | **54000** | **17000** | |
| 4 | Ganga at D/S Buxar near Road Bridge. Dist. - Buxar | April | **8.48** | **8.9** | **2.0** | **35000** | **14000** | **Class-D** |
| | | May | **8.47** | **9.5** | **1.3** | **22000** | **11000** | |
| | | June | **8.49** | **8.9** | **2.1** | **54000** | **22000** | |
| 5 | Ganga at Danapur near Pipapul. Dist. - Patna | April | **8.17** | **8.7** | **1.3** | **983** | **377** | **Class-D** |
| | | May | **8.49** | **9.0** | **1.1** | **1700** | **930** | |
| | | June | **8.19** | **7.8** | **1.5** | **1400** | **920** | |
| 6 | Ganga at U/S Patna, Kurji.Dist. - Patna | April | **8.22** | **8.5** | **1.6** | **3267** | **1667** | **Class-D** |
| | | May | **8.44** | **8.7** | **1.3** | **3900** | **2200** | |
| | | June | **8.22** | **7.5** | **1.6** | **3300** | **2200** | |
| 7 | Ganga at D/S Patna, Gaighat Dist. Patna. | April | **8.23** | **8.6** | **1.5** | **11300** | **4767** | **Class-D** |
| | | May | **8.43** | **9.4** | **1.3** | **4000** | **3300** | |
| | | June | **8.16** | **7.5** | **1.9** | **7900** | **2700** | |
| 8 | Ganga at Malsalami, Patna City Dist. - Patna | April | **8.24** | **8.6** | **1.5** | **3300** | **1933** | **Class-D** |
| | | May | **8.42** | **8.8** | **1.1** | **4600** | **1700** | |
| | | June | **8.12** | **7.4** | **1.9** | **160000** | **92000** | |
| 9 | Ganga Before Confluence of Punpun River at Triveni Ghat Fatuha, Patna Dist. - Patna. | April | **8.39** | **8.7** | **1.8** | **3300** | **1850** | **Class-D** |
| | | May | **8.30** | **8.2** | **1.4** | **3300** | **1400** | |
| | | June | **8.13** | **7.0** | **2.2** | **2700** | **2200** | |
| 10 | Ganga at Kewala ghat, Fatuha Dist.- Patna | April | **8.36** | **8.7** | **1.7** | **9850** | **2500** | **Class-D** |
| | | May | **7.80** | **6.3** | **2.4** | **28000** | **3300** | |
| | | June | **7.94** | **6.4** | **1.8** | **28000** | **4000** | |
| 11 | Ganga at Kachchi Dargah-Bidupur Road Bridge, Dist-Patna | April | **8.32** | **8.8** | **1.5** | **4000** | **1100** | **Class-D** |
| | | May | **8.43** | **9.4** | **1.2** | **4900** | **1300** | |
| | | June | **8.17** | **7.0** | **1.5** | **3900** | **1300** | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 12 | Ganga at Bakhtiyarpur-Tajpur Road Bridge near Athamalgola, Dist-Patna | April | **8.36** | **8.7** | **1.5** | **2600** | **1400** | **Class-D** |
| | | May | **8.28** | **7.8** | **1.8** | **3900** | **1700** | |
| | | June | **8.38** | **9.4** | **1.7** | **2700** | **1400** | |
| 13 | Ganga at U/S Mokama, Mahadeo Asthan Dist.- Patna | April | **8.43** | **8.8** | **1.5** | **2700** | **1100** | **Class-D** |
| | | May | **8.45** | **7.6** | **1.9** | **3200** | **2600** | |
| | | June | **8.49** | **9.4** | **2.2** | **7000** | **2200** | |
| 14 | Ganga at D/S Mokama near Rajendra Bridge, Simaria Ghat Patna | April | **8.45** | **9.0** | **1.4** | **1400** | **930** | **Class-D** |
| | | May | **8.16** | **8.5** | **1.6** | **22000** | **4900** | |
| | | June | **8.47** | **8.1** | **1.4** | **14000** | **7900** | |
| 15 | Ganga at Barh Dist.- Patna | April | **8.37** | **8.6** | **1.8** | **17000** | **3300** | **Class-D** |
| | | May | **8.32** | **7.7** | **2.0** | **13000** | **1300** | |
| | | June | **8.40** | **7.4** | **1.6** | **17000** | **13000** | |
| 16 | Ganga U/S of NTPC Water intake Point, Barh Dist.- Patna | April | **8.38** | **8.6** | **1.9** | **2000** | **930** | **Class-D** |
| | | May | **8.34** | **7.5** | **2.1** | **2400** | **1400** | |
| | | June | **8.49** | **9.5** | **1.8** | **2600** | **2200** | |
| 17 | Ganga D/S of NTPC Water intake Point, Barh Dist.- Patna | April | **8.38** | **8.5** | **1.9** | **11000** | **2200** | **Class-D** |
| | | May | **8.48** | **8.4** | **2.2** | **7000** | **1700** | |
| | | June | **8.37** | **9.4** | **2.6** | **11000** | **2100** | |
| 18 | Ganga at U/S Munger near Kasth haranighat. Dist.- Munger | April | **-** | **-** | **-** | **-** | **-** | **Class-D** |
| | | May | **8.18** | **8.4** | **2.0** | **3950** | **2800** | |
| | | June | **8.31** | **9.2** | **1.2** | **3300** | **1400** | |
| 19 | Ganga at D/S Munger near Crematorium Ghat Dist. - Munger | April | **-** | **-** | **-** | **-** | **-** | **Class-D** |
| | | May | **8.36** | **8.3** | **2.2** | **6800** | **2150** | |
| | | June | **8.33** | **9.0** | **1.3** | **14000** | **2200** | |
| 20 | Ganga at U/S Sultanganj, Ajgaibi Nath Dist.- Bhagalpur | April | **-** | **-** | **-** | **-** | **-** | **Class-D** |
| | | May | **8.37** | **9.0** | **1.4** | **3900** | **2000** | |
| | | June | **8.21** | **8.9** | **1.3** | **2700** | **1400** | |
| 21 | Ganga at D/S Sultanganj at Cremation ghat Dist.- Bhagalpur | April | **-** | **-** | **-** | **-** | **-** | **Class-D** |
| | | May | **8.31** | **9.1** | **1.4** | **14000** | **2600** | |
| | | June | **8.20** | **8.7** | **1.7** | **28000** | **2200** | |
| 22 | Ganga at D/S Bhagalpur near Bararighat. Dist.- Bhagalpur | April | **-** | **-** | **-** | **-** | **-** | **Class-D** |
| | | May | **8.45** | **9.4** | **1.8** | **3300** | **1700** | |
| | | June | **8.32** | **9.5** | **2.0** | **43000** | **35000** | |
| 23 | U/S Ganga at Bhagalpur kuppa ghat Dist.- Bhagalpur | April | **-** | **-** | **-** | **-** | **-** | **Class-D** |
| | | May | **8.38** | **8.1** | **1.4** | **3200** | **1100** | |
| | | June | **8.42** | **9.1** | **1.1** | **2200** | **1100** | |
| 24 | Ganga at Kahalgaon near Jahajghat. Dist.- Bhagalpur | April | **-** | **-** | **-** | **-** | **-** | **Class-D** |
| | | May | **8.33** | **9.5** | **1.3** | **3200** | **1400** | |
| | | June | **8.39** | **9.2** | **1.4** | **22000** | **1300** | |

| Water Quality Status of River Sirsiya | | | | | |
|---|---|---|---|---|---|
| Location: Raxaul at Entry point in Indian Territory (Near Custom Office) during the months of May and June, 2020 | | | | | |
| **Month** | **pH** | **D.O mg/L** | **B.O.D mg/L** | **T.C MPN/ 100 ml** | **F.C MPN/100 ml** |
| May | 7.37 | 2.7 | 3.2 | 54000 | 54000 |
| June | 6.92 | 0.9 | 4.3 | 35000 | 28000 |

| Location: Koriya Tola at Raxaul during the months of May and June, 2020 | | | | | |
|---|---|---|---|---|---|
| **Month** | **pH** | **D.O mg/L** | **B.O.D mg/L** | **T.C MPN/ 100 ml** | **F.C MPN/100 ml** |
| May | 7.39 | 1.7 | 4.4 | 54000 | 54000 |
| June | 7.20 | 1.0 | 3.3 | 43000 | 21000 |

| Water Quality Status of River Harbaura | | | | | |
|---|---|---|---|---|---|
| U/S Harbaura River, Narkatiaganj during the months of May and June, 2020 | | | | | |
| **Month** | **pH** | **D.O mg/L** | **B.O.D mg/L** | **T.C MPN/ 100 ml** | **F.C MPN/100 ml** |
| May | 7.94 | 8.0 | 1.1 | 54000 | 54000 |
| June | 7.58 | 6.4 | 2.0 | 43000 | 35000 |

| D/S Harbaura River, Narkatiaganj during the months of May and June, 2020 | | | | | |
|---|---|---|---|---|---|
| **Month** | **pH** | **D.O mg/L** | **B.O.D mg/L** | **T.C MPN/ 100 ml** | **F.C MPN/100 ml** |
| May | 7.49 | 3.5 | 3.2 | 160000 | 160000 |
| June | 7.54 | 6.2 | 3.0 | 160000 | 54000 |

| Water Quality Status of River Parmar | | | | | |
|---|---|---|---|---|---|
| Location: Jogbani at Entry point in Indian Territory during the months of May and June, 2020 | | | | | |
| **Month** | **pH** | **D.O mg/L** | **B.O.D mg/L** | **T.C MPN/ 100 ml** | **F.C MPN/100 ml** |
| May | 7.85 | 8.6 | 1.6 | 7000 | 1700 |
| June | 7.23 | 5.1 | 3.1 | 160000 | 160000 |

| Water Quality Status of River Ramrekha | | | | | |
|---|---|---|---|---|---|
| U/S Ramrekha River Hari Nagar during the months of May and June, 2020 | | | | | |
| **Month** | **pH** | **D.O mg/L** | **B.O.D mg/L** | **T.C MPN/ 100 ml** | **F.C MPN/100 ml** |
| May | 7.10 | 3.5 | 3.2 | 160000 | 160000 |
| June | 6.90 | 1.2 | 4.0 | 43000 | 17000 |

| D/S Ramrekha River Hari Nagar during the months of May and June, 2020 | | | | | |
|---|---|---|---|---|---|
| **Month** | **pH** | **D.O mg/L** | **B.O.D mg/L** | **T.C MPN/ 100 ml** | **F.C MPN/100 ml** |
| May | 6.94 | 3.2 | 4.0 | 160000 | 160000 |
| June | 7.06 | - | 4.0 | 160000 | 28000 |

| Water Quality Status of River Punpun | | | | | |
|---|---|---|---|---|---|
| U/S Punpun River at Kinzar, Jehanabad during the months of May and June, 2020 | | | | | |
| **Month** | **pH** | **D.O mg/L** | **B.O.D mg/L** | **T.C MPN/ 100 ml** | **F.C MPN/100 ml** |
| May | 8.15 | 7.9 | 1.8 | 2100 | 1200 |
| June | 7.58 | 5.3 | 3.0 | 160000 | 160000 |

| U/S Punpun River at Punpun during the months of May and June, 2020 | | | | | |
|---|---|---|---|---|---|
| **Month** | **pH** | **D.O mg/L** | **B.O.D mg/L** | **T.C MPN/ 100 ml** | **F.C MPN/100 ml** |
| May | 8.37 | 7.6 | 2.8 | 35000 | 3900 |
| June | 7.69 | 5.9 | 5.6 | 35000 | 22000 |

| D/S Punpun River at Fatuha during the months of May and June, 2020 | | | | | |
|---|---|---|---|---|---|
| **Month** | **pH** | **D.O mg/L** | **B.O.D mg/L** | **T.C MPN/ 100 ml** | **F.C MPN/100 ml** |
| May | 7.75 | 8.0 | 4.8 | 35000 | 28000 |
| June | 7.49 | 6.2 | 2.6 | 160000 | 160000 |

STATE LEVEL WATER TESTING LABORATORY (SLWTL)
PHED, GOVT. OF BIHAR, CHHAJJUBAGH, PATNA-800001
Technical Consultancy by: Scientific Research Laboratory, 90, Lake East (4thRoad), Santoshpur, Jadavpur, Kolkata-700075

## TEST CERTIFICATE

**Report No:** SLWTL/2020/GW - 11730 - 11733
**Name of the Organisation:** Departmental
**Date of Sampling:** 02 to 08.07.2020

**River Name:** Sirsia
**Source of Sample:** Drinking Water

**Date of Reporting:** 15.07.2020
**Sample Collected By:** SLWTL
**Sample Received on:** 08.07.2020

### PHYSICO-CHEMICAL & BACTERIOLOGICAL TEST REPORT

| Sl. No. | District Name | Block Name | Panchayet Name | Village Name | Habitation Name | Location Details | Physico - Chemical and Bacteriological Parameters | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | pH | Turb. | EC | TDS | TH | Ca | Mg | Cl | Alka. | Fe | $NO_3$ | $SO_4$ | F | As | Mn | T.Coli |
| | | | | | | *Unit* | - | *NTU* | *µmho/cm* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *MPN/100ml* |
| | | | | | | *Desirable Limit** | *6.5-8.5* | *1.00* | - | *500* | *200* | *75.00* | *30.00* | *250.00* | *200* | *1.00* | *45.00* | *200.00* | *1.00* | *0.010* | *0.10* | - |
| | | | | | | *Permissible Limit* in absence of alternate source* | *NR* | *5.00* | - | *2000* | *600* | *200.00* | *100.00* | *1000.00* | *600* | *NR* | *NR* | *400.00* | *1.50* | *NR* | *0.30* | ** |
| 1 | East Champaran | Raxaul | Kodiyar | Kodiyar | Ward No-19 | Subidar Yadav | 7.10 | 1.0 | 614 | 436 | 355 | 61.35 | 24.67 | 32.14 | 308 | 0.78 | 0.23 | 26.58 | 0.22 | BDL | BDL | Absent |
| 2 | East Champaran | Raxaul | Nagarpalika | Parouna | Ward No-17 | Manshi Ram | 7.05 | 1.0 | 636 | 412 | 324 | 86.42 | 23.15 | 36.84 | 303 | 0.62 | 0.33 | 29.27 | 0.38 | BDL | BDL | Absent |
| 3 | East Champaran | Raxaul | Nunia Dih | Nunia Dih | Nunia Dih | Braham Asthan | 6.99 | 1.0 | 594 | 391 | 347 | 71.33 | 24.13 | 31.53 | 311 | 0.75 | 0.36 | 25.14 | 0.31 | BDL | BDL | Absent |
| 4 | East Champaran | Raxaul | Pantoka | Singhpur | Singhpur | Kuwadari Devi | 7.14 | 1.0 | 628 | 415 | 236 | 31.42 | 25.96 | 12.93 | 219 | 0.54 | 0.21 | 19.21 | 0.46 | BDL | BDL | Absent |

Note: * (i) Drinking Water Specification Second Revision IS:10500:2012. (ii) All the testing methods are taken from APHA 22nd Edition 2012. (iii) BDL means Below Detection Limit. (iv) NR means no relaxation. (v) ** Shall not be detectable in any 100 ml sample

Copy forwarded for kind information to:

(i) Consultant Water Quality Cell, PHED, Govt. of Bihar, (ii) Director, Water Quality Cell, PHED, Govt. of Bihar, (iii) Engineer-in-Chief cum Special Secretary, PHED, Govt. of Bihar

*The results are reported based on the materials received. Sample will be destroyed after 15 days from the date of issue of the certificate unless otherwise specified. Sample will be preserved according to standard method. The test report shall not be reproduced except in full, without the written permission of Laboratory.*

SCIENTIFIC RESEARCH LAB

Authorised Signatory / In-charge

## STATE LEVEL WATER TESTING LABORATORY (SLWTL)

PHED, GOVT. OF BIHAR, CHHAJJUBAGH, PATNA-800001

Technical Consultancy by: Scientific Research Laboratory, 90, Lake East (4thRoad), Santoshpur, Jadavpur, Kolkata-700075

### TEST CERTIFICATE

**Report No:** SLWTL/2020/GW - 11734 - 11737
**Name of the Organisation:** Departmental
**Date of Sampling:** 02 to 08.07.2020

**River Name:** Parmar
**Source of Sample:** Drinking Water

**Date of Reporting:** 15.07.2020
**Sample Collected By:** SLWTL
**Sample Received on:** 08.07.2020

### PHYSICO-CHEMICAL & BACTERIOLOGICAL TEST REPORT

| Sl. No. | District Name | Block Name | Panchayet Name | Village Name | Habitation Name | Location Details | Physico - Chemical and Bacteriological Parameters | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | pH | Turb. | EC | TDS | TH | Ca | Mg | Cl | Alka. | Fe | $NO_3$ | $SO_4$ | F | As | Mn | T.Coli |
| | | | | | | Unit | - | NTU | µmho/cm | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | MPN/100ml |
| | | | | | | Desirable Limit* | 6.5-8.5 | 1.00 | - | 500 | 200 | 75.00 | 30.00 | 250.00 | 200 | 1.00 | 45.00 | 200.00 | 1.00 | 0.010 | 0.10 | - |
| | | | | | | Permissible Limit* in absence of alternate source | NR | 5.00 | - | 2000 | 600 | 200.00 | 100.00 | 1000.00 | 600 | NR | NR | 400.00 | 1.50 | NR | 0.30 | ** |
| 1 | Araria | Forbesganj | Amoura | Badhwa | Badhwa | Mandir | 7.41 | 1.0 | 355 | 289 | 191 | 48.00 | 19.37 | 25.20 | 165 | 1.52 | 3.05 | 25.40 | 0.56 | BDL | BDL | Absent |
| 2 | Araria | Forbesganj | Pipra | Paswan Tola | Paswan Tola | Jagtanand Paswan | 7.05 | 1.0 | 379 | 297 | 209 | 22.80 | 11.30 | 47.10 | 185 | 1.18 | 6.22 | 18.60 | 0.62 | BDL | BDL | Absent |
| 3 | Araria | Forbesganj | Kushmaha | Chowk Par | Chowk Par | Middle School Garha | 6.97 | 1.0 | 301 | 249 | 165 | 17.00 | 14.16 | 71.30 | 155 | 1.35 | 1.15 | 32.70 | 0.49 | BDL | BDL | Absent |
| 4 | Araria | Forbesganj | Ramai | Musahar Tola | Musahar Tola | Thakurwari | 6.85 | 1.0 | 467 | 338 | 215 | 55.50 | 25.00 | 72.90 | 192 | 1.24 | 4.37 | 33.67 | 0.52 | BDL | BDL | Absent |

Note: * (i) Drinking Water Specification Second Revision -IS 10500:2012. (ii) All the testing methods are taken from APHA 22nd Edition 2012. (iii) BDL means Below Detection Limit, (iv) NR means no relaxation. (v) ** Shall not be detectable in any 100 ml sample

Copy forwarded for kind information to:

(i) Consultant Water Quality Cell , PHED, Govt. of Bihar, (ii) Director, Water Quality Cell, PHED, Govt. of Bihar, (iii) Engineer-in-Chief cum Special Secretary, PHED, Govt. of Bihar

*The results are reported based on the materials received. Sample will be destroyed after 15 days from the date of issue of the certificate unless otherwise specified. Sample will be preserved according to standard method. The test report shall not be reproduced except in full, without the written permission of Laboratory.*

SCIENTIFIC RESEARCH LAB

Signature of Analyst Incharge

## STATE LEVEL WATER TESTING LABORATORY (SLWTL)

PHED, GOVT. OF BIHAR, CHHAJJUBAGH, PATNA-800001

Technical Consultancy by: Scientific Research Laboratory, 90, Lake East (4thRoad), Santoshpur, Jadavpur, Kolkata-700075

### TEST CERTIFICATE

**Report No:** SLWTL/2020/GW - 11738 - 11957
**Name of the Organisation:** Departmental
**Date of Sampling:** 02 to 08.07.2020

**River Name:** Ganga
**Source of Sample:** Drinking Water

**Date of Reporting:** 15.07.2020
**Sample Collected By:** SLWTL
**Sample Received on:** 08.07.2020

### PHYSICO-CHEMICAL & BACTERIOLOGICAL TEST REPORT

| Sl. No. | District Name | Block Name | Panchayet Name | Village Name | Habitation Name | Location Details | Physico - Chemical and Bacteriological Parameters | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | pH | Turb. | EC | TDS | TH | Ca | Mg | Cl | Alka. | Fe | $NO_3$ | $SO_4$ | F | As | Mn | T.Coli |
| | | | | | | *Unit* | - | *NTU* | *µmho/c* | *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/100* |
| | | | | | | *Desirable Limit* | *6.5-8.5* | *1.0* | - | *500* | *200* | *75.00* | *30.00* | *250.00* | *200* | *1.00* | *45.00* | *200.00* | *1.00* | *0.010* | *0.10* | - |
| | | | | | | *Permissible Limit in absence of alternate source* | *NR* | *5.0* | - | *2000* | *600* | *200.00* | *100.00* | *1000.00* | *600* | *NR* | *NR* | *400.00* | *1.50* | *NR* | *0.30* | ** |
| 1 | Buxar | Buxar | Churamanpur | Shorpur | Ward No-09 | P.S | 7.56 | 1.0 | 829 | 536 | 345 | 38.90 | 21.63 | 44.80 | 310 | 0.92 | 25.60 | 36.00 | 0.32 | 0.008 | BDL | Absent |
| 2 | Buxar | Buxar | Dalsagar | Parsiya | Ward No-06 | Ashok Kumar | 7.43 | 1.0 | 719 | 478 | 348 | 51.00 | 29.05 | 71.10 | 309 | 0.76 | 24.40 | 36.00 | 0.35 | BDL | BDL | Absent |
| 3 | Buxar | Buxar | Bairiya | Sapahi | Sapahi | Rajan Paswan | 7.45 | 1.0 | 810 | 506 | 345 | 64.50 | 28.20 | 38.60 | 279 | 0.77 | 22.20 | 27.00 | 0.29 | BDL | BDL | Absent |
| 4 | Buxar | Chakki | Chanda | Bhariyar | Bhariyar | Unkaudi Bin | 7.58 | 1.0 | 566 | 353 | 258 | 54.20 | 35.20 | 53.80 | 216 | 0.32 | 11.00 | 32.00 | 0.50 | 0.006 | BDL | Absent |
| 5 | Buxar | Chakki | Chanda | Chanda | Bedauli | Utkarmit Middle School | 7.56 | 1.0 | 560 | 360 | 284 | 25.20 | 17.13 | 48.90 | 260 | 0.31 | 10.20 | 28.00 | 0.44 | BDL | BDL | Absent |
| 6 | Buxar | Chakki | Chakki | Bioladara | Ward No-02 | Sagar Yadav | 7.72 | 1.0 | 719 | 444 | 292 | 34.60 | 25.54 | 44.30 | 224 | 0.40 | 10.40 | 12.00 | 0.38 | 0.009 | BDL | Absent |
| 7 | Buxar | Chakki | Chakki | Vishesar dera | Ward -20 | BHAGWAT YADAV | 7.56 | 1.0 | 692 | 442 | 262 | 42.90 | 25.04 | 77.60 | 172 | 0.56 | 26.80 | 14.00 | 0.68 | 0.007 | BDL | Absent |
| 8 | Buxar | Brahmpur | Yogiya | yogiya | Ward -02 | Alok mishra | 7.48 | 1.0 | 391 | 227 | 166 | 56.50 | 32.90 | 70.90 | 120 | 0.60 | 36.20 | 4.64 | 0.44 | 0.008 | BDL | Absent |
| 9 | Buxar | Brahmpur | Yogiya | yogiya | Ward -06 | Kallasthan | 7.56 | 1.0 | 420 | 269 | 230 | 40.70 | 22.65 | 70.00 | 174 | 0.48 | 16.00 | 14.00 | 0.76 | 0.014 | BDL | Absent |
| 10 | Buxar | Brahmpur | Yogiya | yogiya | Ward -09 | Murli Paswan | 7.41 | 1.0 | 401 | 253 | 199 | 42.70 | 25.11 | 62.20 | 170 | 0.39 | 17.40 | 2.68 | 0.84 | BDL | BDL | Absent |
| 11 | Buxar | Chausa | Jalilpur | Jalilpur | Jalilpur | Satendra Rai | 7.00 | 1.0 | 307 | 247 | 199 | 60.10 | 32.60 | 40.30 | 164 | 0.51 | 14.23 | 9.90 | 0.56 | BDL | BDL | Absent |
| 12 | Buxar | Chausa | Pawani | Pawani | Pawani | Ramawar Ram | 6.68 | 1.0 | 258 | 231 | 176 | 35.80 | 24.45 | 66.20 | 140 | 0.34 | 4.05 | 7.40 | 0.38 | BDL | BDL | Absent |
| 13 | Buxar | Chausa | Banarpur | Banarpur | Banarpur | Arishu Updhya | 6.58 | 1.0 | 319 | 161 | 128 | 62.70 | 29.10 | 28.00 | 78 | 1.13 | 9.70 | 23.90 | 0.58 | BDL | BDL | Absent |
| 14 | Buxar | Simari | Kathar | Balbatra | Ward-18 | Ranjan Pandey | 7.52 | 1.0 | 621 | 386 | 268 | 22.30 | 20.84 | 46.20 | 130 | 0.88 | 46.20 | 16.00 | 0.46 | 0.016 | BDL | Absent |
| 15 | Buxar | Simari | Dulahpur | Khairapatti | Ward-02 | Virendra Ram | 7.36 | 1.0 | 426 | 272 | 234 | 47.30 | 23.59 | 51.00 | 178 | 0.88 | 26.80 | 12.66 | 0.78 | BDL | BDL | Absent |
| 16 | Buxar | Simari | Dulahpur | Khairpatti | Ward-01 | Raj Narayan Panday | 7.30 | 1.0 | 749 | 476 | 402 | 45.00 | 30.20 | 47.70 | 268 | 0.22 | 2.75 | 36.00 | 0.54 | BDL | BDL | Absent |
| 17 | Buxar | Simari | Dulahpur | Dulahpur | Dulahpur | Shatrudhan Singh | 7.11 | 1.0 | 749 | 470 | 402 | 55.10 | 34.10 | 34.40 | 252 | 0.17 | 7.52 | 26.00 | 0.46 | BDL | BDL | Absent |
| 18 | Munger | Jamalpur | Parharni | Parharni | Parharni | Gramin Bank Parharni | 7.44 | 6.0 | 3144 | 1942 | 982 | 44.00 | 35.20 | 50.00 | 452 | 0.28 | 41.60 | 48.00 | 0.92 | 0.006 | BDL | Absent |
| 19 | Munger | Jamalpur | Indruk East | Gauripur | Gauripur | Safiabad OP | 7.16 | 1.0 | 656 | 324 | 288 | 27.50 | 22.16 | 49.50 | 264 | 0.66 | 1.64 | 8.91 | 1.01 | BDL | BDL | Absent |
| 20 | Munger | Jamalpur | Sindhia | Sindhia | Singhia | High School Sindhia | 7.69 | 1.0 | 911 | 604 | 444 | 51.20 | 26.05 | 26.30 | 344 | 0.60 | 1.14 | 9.67 | 1.01 | BDL | BDL | Absent |
| 21 | Munger | Munger Sadar | Mahuli | Mahuli | Mahuli | Shiv Mandir | 7.29 | 4.0 | 1308 | 849 | 626 | 19.16 | 23.60 | 68.80 | 351 | 0.87 | 12.40 | 44.00 | 0.88 | 0.019 | BDL | Absent |
| 22 | Munger | Munger Sadar | Tarapur Diara | Tarapur Diara | Tarapur Diara | Sakaldev Mandal | 6.98 | 2.0 | 964 | 616 | 407 | 53.60 | 39.50 | 36.10 | 366 | 1.27 | 1.54 | 77.08 | 0.81 | 0.014 | BDL | Absent |
| 23 | Munger | Munger Sadar | Naugarhi North | Naugarhi | Naugarhi | Rajendra Mandal | 7.05 | 1.0 | 776 | 508 | 266 | 41.70 | 33.24 | 59.80 | 160 | 0.75 | 2.99 | 2.56 | 0.83 | 0.172 | BDL | Absent |
| 24 | Munger | Munger Sadar | Katriya | Hasanpur | Hasanpur | Ramsharan Singh | 6.96 | 1.0 | 778 | 472 | 308 | 38.30 | 18.43 | 74.00 | 178 | 0.76 | 2.43 | 7.56 | 0.84 | BDL | BDL | Absent |
| 25 | Munger | Dharhara | Hemjapur | Bari Lagma | Bari Lagma | Anganbari Center | 7.42 | 2.0 | 918 | 572 | 362 | 45.30 | 22.89 | 41.70 | 298 | 1.04 | 5.40 | 22.00 | 0.66 | 0.007 | BDL | Absent |
| 26 | Munger | Dharhara | Shivkund | Shivkund | Shivkund | Bhagwatisthan | 7.14 | 1.0 | 797 | 482 | 476 | 53.70 | 34.30 | 31.80 | 386 | 0.84 | 1.11 | 6.54 | 0.55 | BDL | BDL | Absent |
| 27 | Munger | Dharhara | Shivkund | Nishad Tola | Nishad Tola | Arjun Singh | 7.09 | 1.0 | 616 | 380 | 168 | 42.40 | 21.70 | 66.10 | 154 | 1.00 | 1.98 | 14.13 | 0.78 | BDL | BDL | Absent |
| 28 | Munger | Dharahra | Bahachauki | Sunderpur | Sunderpur | Kallsthan | 7.26 | 1.0 | 704 | 456 | 352 | 40.80 | 29.34 | 38.30 | 130 | 1.06 | 0.94 | 6.52 | 0.66 | BDL | BDL | Absent |
| 29 | Munger | Bariyarpur | Katharia East | Ghorghat | Ghorghat | Shiv Mandir | 7.30 | 1.0 | 644 | 402 | 226 | 26.60 | 33.70 | 43.90 | 154 | 0.48 | 2.23 | 8.65 | 0.68 | 0.012 | BDL | Absent |
| 30 | Munger | Bariyarpur | Neerpur | Asha tola | Asha tola | Middle School | 7.39 | 3.0 | 1140 | 736 | 412 | 36.00 | 32.73 | 82.40 | 222 | 0.55 | 1.64 | 17.83 | 1.73 | BDL | BDL | Absent |
| 31 | Munger | Bariyarpur | Kalyan Tola | Harizan tola | Harizan tola | Hariman Das | 7.51 | 1.0 | 558 | 320 | 190 | 42.90 | 33.62 | 27.30 | 168 | 0.81 | 2.14 | 18.52 | 2.26 | BDL | BDL | Absent |
| 32 | Bhagalpur | Pirpainti | Rani dyara | Ranidyara | Ranidyara | Shripati Singh | 7.38 | 1.0 | 616 | 373 | 287 | 23.50 | 25.68 | 38.80 | 250 | 0.66 | 2.83 | 4.00 | 0.50 | BDL | BDL | Absent |
| 33 | Bhagalpur | Pirpainti | Rani dyara | Ranidyara | Ranidyara | Jagdish Paswan | 7.61 | 1.0 | 868 | 542 | 420 | 39.50 | 40.52 | 31.80 | 232 | 2.18 | 7.72 | 5.66 | 1.16 | 0.015 | BDL | Absent |
| 34 | Bhagalpur | Pirpainti | Rajgaom Araji | Sawaiya | Sawaiya | Mahant Sthan | 7.09 | 1.0 | 625 | 386 | 348 | 25.70 | 25.05 | 48.10 | 268 | 1.19 | 9.53 | 11.75 | 0.38 | 0.066 | BDL | Absent |
| 35 | Bhagalpur | Kahalgaon | Kisandaspur | Barohia | Barohia | Barohia Chock | 7.15 | 1.0 | 582 | 343 | 226 | 39.90 | 22.44 | 33.60 | 172 | 2.05 | 9.65 | 4.00 | 0.48 | BDL | BDL | Absent |
| 36 | Bhagalpur | Kahalgaon | Kisandaspur | Barohia | Barohia | Kapildev Mandal | 7.24 | 1.0 | 810 | 514 | 320 | 24.80 | 20.50 | 47.80 | 302 | 1.24 | 1.72 | 4.52 | 0.42 | 0.005 | BDL | Absent |
| 37 | Bhagalpur | Kahalgaon | Ogari | Ogari | Ogari | Ogari | 7.30 | 1.0 | 618 | 402 | 258 | 36.90 | 26.68 | 66.00 | 250 | 0.68 | 2.72 | 2.32 | 0.37 | BDL | BDL | Absent |
| 38 | Bhagalpur | Kahalgaon | Birbanna | Birbanna | Birbanna | Birbanna | 7.20 | 1.0 | 796 | 504 | 312 | 47.30 | 27.40 | 73.00 | 312 | 1.06 | 1.92 | 4.47 | 0.38 | 0.007 | BDL | Absent |

| Sl. No. | District Name | Block Name | Panchayat Name | Village Name | Habitation Name | Location Details | Physico - Chemical and Bacteriological Parameters | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | pH | Turb. | EC | TDS | TH | Ca | Mg | Cl | Alka. | Fe | $NO_3$ | $SO_4$ | F | As | Mn | T.Coli |
| | | | | | | *Unit* | - | *NTU* | *µmho/c* | *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/100* |
| | | | | | | *Desirable Limit* | *6.5-8.5* | *1.0* | - | *500* | *200* | *75.00* | *30.00* | *250.00* | *200* | *1.00* | *45.00* | *200.00* | *1.00* | *0.010* | *0.10* | - |
| | | | | | | *Permissible Limit* in absence of alternate source | *NR* | *5.0* | - | *2000* | *600* | *200.00* | *100.00* | *1000.00* | *600* | *NR* | *NR* | *400.00* | *1.50* | *NR* | *0.30* | ** |
| 39 | Bhagalpur | Sultanganj | Jahangira | Dom tola | Dom tola | Dom tola | 7.74 | 4.0 | 2240 | 1362 | 940 | 51.50 | 26.20 | 43.70 | 381 | 0.66 | 3.54 | 3.85 | 0.40 | BDL | BDL | Absent |
| 40 | Bhagalpur | Sultanganj | Kamarganj | Chabutra Bagicha | Chabutra Bagicha | Durga Sthan | 7.92 | 1.0 | 594 | 358 | 238 | 36.90 | 24.58 | 46.70 | 186 | 0.42 | 1.48 | 12.15 | 0.65 | 0.009 | BDL | Absent |
| 41 | Bhagalpur | Sultanganj | Kathara | Kathara | Nidhara | Dev Sthan | 7.56 | 1.0 | 679 | 432 | 354 | 45.10 | 23.01 | 44.90 | 208 | 0.48 | 3.11 | 11.41 | 0.86 | BDL | BDL | Absent |
| 42 | Bhagalpur | Sultanganj | Kathahara | Kathahara | Kumarpur | Near Agantbadi Kendra | 7.00 | 1.0 | 502 | 314 | 214 | 39.40 | 28.75 | 24.90 | 180 | 0.94 | 0.76 | 13.65 | 1.01 | 0.006 | BDL | Absent |
| 43 | Bhagalpur | Nathnagar | Gosaindaspur | Gosaindaspur | Ward No.07 | Dom tola | 7.57 | 1.0 | 430 | 258 | 203 | 37.90 | 26.80 | 27.60 | 142 | 1.88 | 3.63 | 10.00 | 0.34 | BDL | BDL | Absent |
| 44 | Bhagalpur | Nathnagar | Gosaindaspur | Gosaindaspur | Ward No.04 | Ajay Kumar | 7.38 | 1.0 | 654 | 412 | 197 | 20.30 | 28.04 | 54.30 | 182 | 1.23 | 4.11 | 5.60 | 0.44 | BDL | BDL | Absent |
| 45 | Bhagalpur | Nathnagar | Nisfambey | Nisambey | Nisfambey | Sharma Tola | 7.14 | 1.0 | 656 | 384 | 199 | 46.10 | 25.51 | 53.00 | 170 | 1.42 | 3.95 | 5.40 | 0.47 | 0.096 | BDL | Absent |
| 46 | Bhagalpur | Nathnagar | Belkhoria | Belkhoria | Maniyarpur | Harijan Tola | 7.26 | 1.0 | 636 | 424 | 195 | 30.40 | 24.02 | 34.20 | 180 | 1.21 | 3.37 | 6.20 | 0.50 | 0.035 | BDL | Absent |
| 47 | Bhagalpur | Ismailpur | Parbatta | Choti Parbatta | Choti Parbatta | Near Public Toilet | 7.26 | 1.0 | 486 | 298 | 261 | 47.40 | 30.39 | 51.20 | 233 | 1.34 | 2.88 | 8.60 | 0.33 | 0.049 | BDL | Absent |
| 48 | Bhagalpur | Ismailpur | Paschmi Bhitta | Ring Bandh | Ring Bandh | Bilash Sah | 7.03 | 1.0 | 650 | 419 | 217 | 44.70 | 33.72 | 34.50 | 186 | 0.89 | 2.77 | 7.20 | 0.39 | 0.032 | BDL | Absent |
| 49 | Bhagalpur | Ismailpur | Narayanpur Laxmipur | Dimha Diyara | Dimha Diyara | Sunil Yadav | 7.25 | 1.0 | 467 | 294 | 226 | 45.30 | 31.01 | 23.70 | 198 | 1.46 | 3.54 | 8.40 | 0.43 | 0.038 | BDL | Absent |
| 50 | Bhagalpur | Naugachhia | Khagra | Khagra More | Khagra More | Hariuman Mandair | 7.24 | 1.0 | 437 | 243 | 243 | 20.70 | 16.06 | 34.10 | 216 | 1.56 | 4.07 | 4.00 | 0.54 | BDL | BDL | Absent |
| 51 | Bhagalpur | Naugachhia | Khagra | Naya tola | Naya tola | Makuni Mandal | 7.49 | 1.0 | 570 | 338 | 218 | 43.70 | 22.55 | 28.20 | 184 | 1.50 | 7.85 | 9.40 | 0.91 | 0.031 | BDL | Absent |
| 52 | Bhagalpur | Naugachhia | Khagra | Chany Tola | Chany Tola | Prithvi Mandal | 7.57 | 1.0 | 943 | 582 | 404 | 45.10 | 31.47 | 52.60 | 206 | 1.26 | 6.92 | 6.50 | 0.92 | 0.066 | BDL | Absent |
| 53 | Bhagalpur | Naugachhia | Khagra | Sahuparbatta | Sahuparbatta | Ajay Sahu | 7.38 | 1.0 | 400 | 220 | 142 | 39.00 | 23.66 | 35.60 | 110 | 1.19 | 1.82 | 7.83 | 1.09 | BDL | BDL | Absent |
| 54 | Bhagalpur | Gopalpur | Dumaria Chaparghat | Dumaria Chowk | Dumaria Chowk | Bajranwali Sthan | 7.08 | 1.0 | 540 | 338 | 292 | 60.10 | 36.00 | 57.10 | 242 | 2.40 | 3.94 | 8.70 | 0.34 | 0.007 | BDL | Absent |
| 55 | Bhagalpur | Gopalpur | Saidpur | Saidpur Dabra | Saidpur Dabra | Durga Sthan | 6.87 | 1.0 | 828 | 502 | 342 | 32.10 | 24.74 | 48.80 | 250 | 1.20 | 7.36 | 7.80 | 0.55 | 0.012 | BDL | Absent |
| 56 | Bhagalpur | Gopalpur | Dimha Tintanga | Dimha Tintanga | Dimha Tintanga | P.S Yadunandan Tola | 6.95 | 1.0 | 868 | 544 | 414 | 54.00 | 29.00 | 47.40 | 222 | 1.02 | 10.92 | 3.20 | 0.39 | 0.052 | BDL | Absent |
| 57 | Bhagalpur | Rangra | Murli | NH-31 | NH-31 | Murli Chowk | 7.23 | 1.0 | 403 | 222 | 200 | 48.20 | 27.33 | 27.80 | 172 | 1.42 | 4.14 | 7.00 | 0.31 | BDL | BDL | Absent |
| 58 | Bhagalpur | Rangra | Rangra Chowk | Rangra | Rangra | Md. Laliy | 7.37 | 1.0 | 494 | 302 | 238 | 45.40 | 30.33 | 44.20 | 166 | 1.24 | 2.03 | 11.84 | 0.50 | BDL | BDL | Absent |
| 59 | Bhagalpur | Rangra | Madrouni | Madrouni | Ward No.03 | Ambedkar Nagar | 6.95 | 1.0 | 526 | 395 | 174 | 42.70 | 26.11 | 58.50 | 118 | 0.38 | 2.09 | 22.55 | 0.64 | BDL | BDL | Absent |
| 60 | Bhagalpur | Rangra | Madrouni | Madrouni | Madrouni | M.S Sachua chapar | 7.58 | 1.0 | 542 | 339 | 244 | 40.70 | 25.75 | 37.70 | 178 | 0.72 | 0.67 | 35.81 | 0.50 | BDL | BDL | Absent |
| 61 | Bhagalpur | Narayanpur | Singhpur Paschim | Gandul | Gandul | Prakash Sah | 7.10 | 1.0 | 524 | 296 | 272 | 42.30 | 27.95 | 45.00 | 217 | 0.23 | 4.65 | *0.00 | 0.42 | 0.006 | BDL | Absent |
| 62 | Bhagalpur | Narayanpur | Singhpur Paschim | Navtolia | Navtolia | Kanhai Choudhary | 7.02 | 1.0 | 324 | 197 | 174 | 45.00 | 34.30 | 51.09 | 170 | 1.44 | 4.10 | 6.40 | 0.35 | BDL | BDL | Absent |
| 63 | Bhagalpur | Narayanpur | Jaypur Chutrar | Mathurapur | Mathurapur | Near Masjid | 7.04 | 1.0 | 346 | 184 | 173 | 17.02 | 18.02 | 78.90 | 136 | 1.44 | 4.00 | 3.90 | 0.37 | BDL | BDL | Absent |
| 64 | Bhagalpur | Narayanpur | SinghpurEast | SinghpurEast | SinghpurEast | Kuswaha Library | 7.16 | 1.0 | 778 | 504 | 201 | 44.90 | 27.76 | 56.80 | 184 | 1.52 | 1.42 | 38.18 | 1.19 | 0.007 | BDL | Absent |
| 65 | Bhagalpur | Bihpur | Marwa | Marwa Paschim | Marwa Paschim | Mahant Sthan chowk | 7.28 | 1.0 | 477 | 292 | 251 | 43.50 | 32.61 | 82.10 | 223 | 1.40 | 4.05 | 14.00 | 0.22 | BDL | BDL | Absent |
| 66 | Bhagalpur | Bihpur | Jamalpur | Jamalpur | Jamalpur | Basudev Singh | 7.86 | 1.0 | 504 | 316 | 244 | 59.70 | 40.30 | 46.80 | 156 | 1.05 | 2.25 | 3.70 | 0.42 | BDL | BDL | Absent |
| 67 | Bhagalpur | Bihpur | Sonbarsa | Bihpur Daschim | Bihpur Daschim | Kailsh Das | 7.38 | 1.0 | 636 | 416 | 262 | 56.40 | 37.00 | 40.70 | 236 | 0.32 | 1.52 | 5.28 | 1.21 | 0.006 | BDL | Absent |
| 68 | Bhagalpur | Khanik | Feriad pur | Faridpur | Faridpur | Near P.S chooi | 6.94 | 1.0 | 836 | 532 | 358 | 75.40 | 31.60 | 38.80 | 332 | 0.34 | 7.60 | 57.41 | 0.73 | BDL | BDL | Absent |
| 69 | Bhagalpur | Khanik | Raghopur | Raghopur | Raghopur | Bairanwali Sthan | 7.28 | 1.0 | 658 | 412 | 226 | 59.80 | 32.90 | 45.20 | 186 | 0.20 | 10.50 | 30.16 | 0.72 | BDL | BDL | Absent |
| 70 | Bhagalpur | Khanik | Raghopur | ChotiAlalpur | ChotiAlalpur | WardNo13 | 7.09 | 1.0 | 826 | 360 | 235 | 39.20 | 29.90 | 35.10 | 158 | 0.42 | 11.30 | 26.50 | 0.77 | BDL | BDL | Absent |
| 71 | Bhagalpur | Khanik | Khairpur | Kaikoraiya | Kaikoraiya | Mukhia Mandal | 7.03 | 1.0 | 985 | 632 | 390 | 45.70 | 23.03 | 52.50 | 362 | 0.33 | 8.10 | 59.70 | 0.42 | BDL | BDL | Absent |
| 72 | Vaishali | Bidupur | Jurawanpur | Jurawanpur | Jurawanpur | Manju Devi | 6.80 | 1.0 | 839 | 551 | 284 | 54.70 | 31.30 | 52.20 | 216 | 0.34 | 5.40 | 6.20 | 0.30 | BDL | BDL | Absent |
| 73 | Vaishali | Bidupur | Chechar | Chechar | Chechar | Sanjeev Kumar | 7.02 | 1.0 | 344 | 207 | 188 | 72.20 | 42.20 | 55.50 | 146 | 1.75 | 5.10 | 6.40 | 0.35 | 0.018 | BDL | Absent |
| 74 | Vaishali | Bidupur | Kovchanpur | Kovchanpur | Kovchanpur | Sanjeev Kumar | 7.14 | 1.0 | 310 | 212 | 177 | 45.10 | 32.32 | 87.60 | 116 | 1.58 | 4.00 | 6.10 | 0.29 | 0.014 | BDL | Absent |
| 75 | Vaishali | Bidupur | Saidpur Ganesh | Saidpur Ganesh | Saidpur Ganesh | Rahul Kumar | 7.16 | 1.0 | 766 | 476 | 215 | 29.60 | 27.02 | 52.80 | 182 | 1.50 | 2.42 | 36.18 | 1.17 | 0.005 | BDL | Absent |
| 76 | Vaishali | Hajipur | Nagar Panchayat | Kowhar Ghat | Kowhar Ghat | Deepak Sharma | 6.92 | 2.0 | 1290 | 833 | 522 | 39.10 | 29.60 | 42.70 | 298 | 0.76 | 35.40 | 34.00 | 0.38 | 0.009 | BDL | Absent |
| 77 | Vaishali | Hajipur | Nagar Panchayat | Sirki Ghat | Sirki Ghat | Vikash Kumar | 7.18 | 3.0 | 1575 | 992 | 672 | 38.80 | 36.20 | 86.00 | 336 | 0.52 | 5.60 | 36.00 | 0.37 | 0.007 | BDL | Absent |
| 78 | Vaishali | Hajipur | Nagar Panchayat | Kosaiya Ghat | Kosaiya Ghat | Mina Kumari | 6.98 | 1.0 | 708 | 438 | 260 | 26.70 | 24.18 | 84.50 | 186 | 0.25 | 22.10 | 24.44 | 1.11 | 0.016 | BDL | Absent |
| 79 | Vaishali | Hajipur | Nagar Panchayat | Sadhugachi | Sadhugachi | Pinki Kumari | 7.06 | 1.0 | 1014 | 642 | 376 | 25.60 | 19.92 | 48.80 | 304 | 0.54 | 35.48 | 27.52 | 0.92 | 0.012 | BDL | Absent |
| 80 | Vaishali | Mahnar | Alipur Aasanpur | Mallishpur South | Mallishpur South | Umashanker Singh | 7.26 | 2.0 | 1229 | 789 | 460 | 24.80 | 22.02 | 44.30 | 328 | 0.32 | 31.40 | 22.01 | 0.50 | BDL | BDL | Absent |
| 81 | Vaishali | Mahnar | Alipur Aasanpur | Mallishpur North | Mallishpur North | RMS | 7.09 | 1.0 | 438 | 257 | 232 | 59.20 | 35.20 | 50.80 | 206 | 0.54 | 1.41 | 24.15 | 0.63 | BDL | BDL | Absent |
| 82 | Vaishali | Mahnar | Alipur Aasanpur | Mallishpur North | Mallishpur North | Manish Kr. Singh | 7.29 | 1.0 | 526 | 334 | 158 | 64.10 | 31.60 | 72.00 | 164 | 0.43 | 2.35 | 31.53 | 0.68 | BDL | BDL | Absent |
| 83 | Vaishali | Desari | Rasulpur Habile | Rasulpur Habile | Rasulpur Habile | Nathun Paswan | 7.44 | 2.0 | 1681 | 1067 | 792 | 35.10 | 23.94 | 79.20 | 351 | 0.36 | 41.00 | 72.00 | 0.23 | 0.006 | BDL | Absent |
| 84 | Vaishali | Desari | Rasulpur Habile | Rasulpur Habile | Rasulpur Habile | Javahari Singh | 7.32 | 1.0 | 754 | 472 | 289 | 36.80 | 28.10 | 41.90 | 222 | 0.21 | 1.92 | 8.30 | 0.67 | BDL | BDL | Absent |
| 85 | Vaishali | Desari | Azampur | Azampur | Azampur | Nagendra Paswan | 7.46 | 1.0 | 671 | 430 | 238 | 25.70 | 21.72 | 22.30 | 176 | 0.26 | 2.48 | 3.64 | 0.66 | BDL | BDL | Absent |
| 86 | Vaishali | Desari | Azampur | Azampur | Azampur | PUMS | 7.30 | 1.0 | 552 | 354 | 259 | 36.30 | 24.60 | 40.40 | 216 | 0.18 | 1.15 | 2.51 | 0.56 | BDL | BDL | Absent |

| Sl. No. | District Name | Block Name | Panchayat Name | Village Name | Habitation Name | Location Details | Physico - Chemical and Bacteriological Parameters | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | pH | Turb. | EC | TDS | TH | Ca | Mg | Cl | Alka. | Fe | $NO_3$ | $SO_4$ | F | As | Mn | T.Coli |
| | | | | | | Unit | - | NTU | µmho/c | 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/100 |
| | | | | | | Desirable Limit* | 6.5-8.5 | 1.0 | - | 500 | 200 | 75.00 | 30.00 | 250.00 | 200 | 1.00 | 45.00 | 200.00 | 1.00 | 0.010 | 0.10 | - |
| | | | | | | Permissible Limit* in absence of alternate source | NR | 5.0 | - | 2000 | 600 | 200.00 | 100.00 | 1000.00 | 600 | NR | NR | 400.00 | 1.50 | NR | 0.30 | ** |
| 87 | Vaishali | Sahdei Buiurg | Nayagaon | Ganiyari | Ganiyari | M.S | 7.26 | 2.0 | 1249 | 755 | 490 | 35.60 | 26.22 | 43.90 | 292 | 0.14 | 2.86 | 30.00 | 0.22 | BDL | BDL | Absent |
| 88 | Vaishali | Sahdei Buiurg | Nayagaon | Ganiyari | Ganiyari | Rakesh Mishra | 7.15 | 1.0 | 644 | 402 | 261 | 19.20 | 27.75 | 37.10 | 250 | 0.22 | 1.31 | 31.62 | 0.25 | 0.008 | BDL | Absent |
| 89 | Vaishali | Sahdei Buiurg | Nayagaon | Ganiyari | Ganiyari | Arjun Kumar | 7.44 | 1.0 | 456 | 254 | 177 | 46.10 | 25.51 | 39.50 | 148 | 0.54 | 1.78 | 31.15 | 0.87 | BDL | BDL | Absent |
| 90 | Khagaria | Prabatta | Bharatkhand | Bharatkhand | Dudhela | Shri Munilal Muni | 7.16 | 1.0 | 686 | 454 | 284 | 60.00 | 31.60 | 37.20 | 266 | 0.27 | 0.64 | 8.63 | 0.62 | BDL | BDL | Absent |
| 91 | Khagaria | Prabatta | Bharatkhand | Bharatkhand | Vuivdgh | Shri Fulo Prasad Yadav | 6.80 | 1.0 | 668 | 388 | 206 | 26.20 | 28.14 | 41.40 | 172 | 0.56 | 0.58 | 15.65 | 0.81 | BDL | BDL | Absent |
| 92 | Khagaria | Parbatta | Lagar | Lagar | Ward No.-7 | Dilkhush Yadav | 6.88 | 1.0 | 864 | 566 | 305 | 50.20 | 37.80 | 38.50 | 276 | 0.11 | 1.34 | 27.61 | 0.79 | BDL | BDL | Absent |
| 93 | Khagaria | Khagariya | Babhangama | Babhangama | Babhangama | Shri Parmeshwar Mistn | 6.98 | 1.0 | 782 | 508 | 284 | 51.20 | 30.63 | 42.90 | 272 | 0.62 | 1.83 | 3.55 | 0.66 | BDL | BDL | Absent |
| 94 | Khagaria | Khagaria | Olapur Gangour | Olapur Gangour | Ward No.-8 | Dharam Singh | 7.48 | 2.0 | 928 | 602 | 376 | 48.10 | 31.37 | 45.70 | 322 | 1.12 | 5.40 | 24.00 | 0.74 | BDL | BDL | Absent |
| 95 | Khagaria | Khagariya | Babhangama | Babhangama | Dhusmari | Shri Bhola San | 7.10 | 1.0 | 791 | 498 | 360 | 59.60 | 42.60 | 29.20 | 324 | 0.77 | 1.11 | 3.80 | 0.51 | BDL | BDL | Absent |
| 96 | Khagaria | Gogri | Borna | Borna | Chhoti Borna | Md. Atahullah Ansari | 7.96 | 1.0 | 834 | 564 | 416 | 37.50 | 30.80 | 39.20 | 268 | 1.32 | 6.20 | 4.00 | 0.56 | BDL | BDL | Absent |
| 97 | Khagaria | Gogri | Rampur | Rampur | Rampur | Near Shiv Mandir | 6.96 | 1.0 | 917 | 588 | 416 | 37.00 | 19.26 | 61.30 | 306 | 2.03 | 15.60 | 41.00 | 0.98 | BDL | BDL | Absent |
| 98 | Khagaria | Gogri | Ratan | Ratan | Ward No.-17 | Bipin Kumar | 7.26 | 1.0 | 728 | 448 | 322 | 46.30 | 24.11 | 48.70 | 276 | 1.26 | 0.74 | 21.43 | 0.47 | BDL | BDL | Absent |
| 99 | Khagaria | Gogri | Ratan | Ratan | Ward No.-18 | Guruswan Yadav | 6.87 | 1.0 | 440 | 252 | 225 | 41.40 | 30.04 | 49.60 | 138 | 0.85 | 0.91 | 12.69 | 0.37 | BDL | BDL | Absent |
| 100 | Samastipur | Vidyapatinagar | Bajidpur | Bajidpur | Bajidpur | Md. Afroz | 7.08 | 2.0 | 1296 | 824 | 664 | 38.90 | 22.28 | 36.30 | 312 | 0.55 | 26.00 | 38.00 | 0.51 | BDL | BDL | Absent |
| 101 | Samastipur | Vidyapatinagar | Gadhsisai | Gadhsisai | Gadhsisai | P.S Gadhsisai | 7.00 | 2.0 | 966 | 647 | 394 | 49.20 | 29.50 | 61.00 | 226 | 0.34 | 4.72 | 62.00 | 0.30 | 0.007 | BDL | Absent |
| 102 | Samastipur | Vidyapatinagar | Kancha | Kancha | Kancha | Nagina Chowk | 7.18 | 1.0 | 488 | 303 | 176 | 47.60 | 35.10 | 57.50 | 116 | 0.41 | 4.05 | 9.40 | 0.27 | BDL | BDL | Absent |
| 103 | Samastipur | Mohanpur | Baghda | Baghda | Baghda | Devendra Prasad Singh | 7.64 | 1.0 | 404 | 273 | 240 | 49.90 | 32.20 | 41.80 | 170 | 1.90 | 13.80 | 39.00 | 0.64 | BDL | BDL | Absent |
| 104 | Samastipur | Mohanpur | Deshara | Adhlalpur | Adhlalpur | Sonelal Paswan | 7.27 | 1.0 | 336 | 198 | 182 | 22.90 | 27.15 | 87.80 | 148 | 0.32 | 5.50 | 6.40 | 0.65 | 0.018 | BDL | Absent |
| 105 | Samastipur | Mohanpur | Ghamipatti Pachhimi | Baruaa Jahigra | Baruaa Jahigra | P.S Baruaa Jahigra | 7.25 | 1.0 | 304 | 188 | 159 | 39.10 | 29.80 | 51.20 | 148 | 0.44 | 5.00 | 3.51 | 0.57 | 0.009 | BDL | Absent |
| 106 | Samastipur | Mohanpur | Jalalpur | Shahpur Barat | Shahpur Barat | P.S Shahpur Barat | 7.25 | 1.0 | 370 | 212 | 183 | 26.40 | 35.03 | 48.50 | 166 | 0.99 | 3.04 | 5.20 | 0.37 | 0.018 | BDL | Absent |
| 107 | Samastipur | Patori | Bahadurpur | Pury Tola | Pury Tola | Suresh Paswan | 7.56 | 1.0 | 884 | 556 | 436 | 49.60 | 30.09 | 48.00 | 272 | 0.25 | 33.20 | 18.00 | 0.50 | BDL | BDL | Absent |
| 108 | Samastipur | Patori | Chaksaho | Chaksaho | Chaksaho | Lalbabu Rai | 6.56 | 1.0 | 518 | 322 | 294 | 50.10 | 25.90 | 71.10 | 238 | 0.50 | 1.72 | 7.26 | 0.67 | 0.016 | BDL | Absent |
| 109 | Samastipur | Patori | Dadwini Dhmpun | Pasi Tola | Pasi Tola | Shankar Choudhary | 7.16 | 1.0 | 678 | 424 | 248 | 34.80 | 24.61 | 51.40 | 214 | 0.46 | 2.15 | 10.90 | 0.43 | BDL | BDL | Absent |
| 110 | Samastipur | Patori | Eyanayatpur | Eyanayatpur | Eyanayatpur | Pakka Par | 6.98 | 1.0 | 671 | 402 | 208 | 42.40 | 30.94 | 49.60 | 196 | 0.28 | 1.78 | 7.02 | 0.49 | BDL | BDL | Absent |
| 111 | Samastipur | Mohiuddinagar | Rasipur Patasiya east | Rasipur Patasiya east | Ward 9 | Ravi Ranjan Singh | 7.42 | 1.0 | 541 | 340 | 236 | 46.30 | 28.59 | 50.10 | 202 | 0.46 | 20.60 | 12.00 | 0.44 | BDL | BDL | Absent |
| 112 | Samastipur | Mohiuddinagar | Rasipur Patasiya east | Rasipur Patasiya east | Ward 4 | Mina Dev | 6.62 | 1.0 | 519 | 312 | 252 | 45.80 | 23.32 | 49.20 | 206 | 0.49 | 3.34 | 2.12 | 0.28 | 0.009 | BDL | Absent |
| 113 | Samastipur | Mohiuddinagar | Rasipur Patasiya east | Rasipur Patasiya east | Ward 10 | Devendra Paswan | 6.89 | 1.0 | 578 | 358 | 258 | 52.10 | 27.20 | 48.60 | 176 | 1.24 | 6.81 | 8.60 | 0.32 | 0.007 | BDL | Absent |
| 114 | Samastipur | Mohiuddinagar | Rasipur Patasiya east | Rasipur Patasiya east | Ward 3 | Vijay Kumar | 7.00 | 1.0 | 915 | 619 | 454 | 60.60 | 30.00 | 25.30 | 258 | 1.02 | 4.49 | 16.40 | 0.33 | 0.024 | BDL | Absent |
| 115 | Samastipur | Samastipur | Dharmpur | Dharmpur | Ward 4 | Sudist Mahant | 7.18 | 1.0 | 665 | 435 | 240 | 59.50 | 31.30 | 40.00 | 176 | 0.97 | 8.90 | 43.15 | 0.29 | BDL | BDL | Absent |
| 116 | Samastipur | Samastipur | Nirpur | Nirpur | Nirpur | Kamal Kishore | 7.65 | 1.0 | 762 | 464 | 274 | 47.40 | 31.70 | 31.40 | 198 | 1.14 | 3.80 | 42.13 | 0.31 | BDL | BDL | Absent |
| 117 | Samastipur | Samastipur | Vikrampur | Vikrampur | Vikrampur | Kailash Roy | 7.67 | 1.0 | 925 | 590 | 354 | 28.20 | 28.96 | 52.80 | 338 | 1.32 | 6.12 | 58.06 | 0.38 | BDL | BDL | Absent |
| 118 | Bhojpur | Sahpur | Goura | Chanoor | Ward No.14 | M.S | 7.24 | 1.0 | 486 | 270 | 226 | 30.80 | 23.07 | 59.00 | 179 | 0.33 | 5.80 | 6.20 | 0.35 | BDL | BDL | Absent |
| 119 | Bhojpur | Sahpur | Khutha | Dharmagatpur | Dharmagatpur | Harijan Toli | 7.32 | 1.0 | 786 | 520 | 208 | 57.50 | 29.00 | 40.50 | 170 | 0.52 | 17.80 | 6.92 | 0.84 | BDL | BDL | Absent |
| 120 | Bhojpur | Sahpur | Bahoranpur | Chamarpur | Chamarpur | Middle School | 7.73 | 1.0 | 595 | 385 | 264 | 34.00 | 26.23 | 48.20 | 226 | 0.83 | 11.60 | 2.59 | 0.84 | BDL | BDL | Absent |
| 121 | Bhojpur | Sahpur | Damodarpur | Damodarpur | Damodarpur | Jaykishun Paswan | 7.16 | 1.0 | 862 | 420 | 180 | 46.90 | 33.03 | 44.60 | 150 | 0.31 | 5.10 | 3.69 | 0.42 | BDL | BDL | Absent |
| 122 | Bhojpur | Barhara | Netr Tola | Sherd Dehri | Raghubar Ka Tola | Samudaik Bhawan | 7.26 | 1.0 | 590 | 370 | 242 | 47.30 | 33.30 | 41.00 | 156 | 0.58 | 6.20 | 13.00 | 0.45 | BDL | BDL | Absent |
| 123 | Bhojpur | Barhara | Babura | Babura | Babura | Panchayat Bhawan | 7.18 | 1.0 | 322 | 188 | 186 | 22.10 | 18.05 | 34.30 | 158 | 0.58 | 1.36 | 29.53 | 0.48 | BDL | BDL | Absent |
| 124 | Bhojpur | Barhara | Gazlapur | farhada | farhada | Panchayat Bhawan | 7.02 | 1.0 | 328 | 188 | 152 | 25.40 | 22.03 | 61.30 | 102 | 0.44 | 0.35 | 20.76 | 0.70 | BDL | BDL | Absent |
| 125 | Bhojpur | Barhara | Babahangama | Chatar | Chatar | Upgrade Middle School | 7.47 | 1.0 | 430 | 252 | 204 | 46.60 | 30.69 | 53.70 | 110 | 0.20 | 1.23 | 21.93 | 0.67 | BDL | BDL | Absent |
| 126 | Saran | Marjhi | Belesara | Belesara | Belesara | Sat Sihan | 7.04 | 1.0 | 469 | 292 | 249 | 52.90 | 25.70 | 40.20 | 170 | 0.46 | 5.29 | 5.20 | 0.96 | BDL | BDL | Absent |
| 127 | Saran | Marjhi | Bareja | Babhanoliya | Babhanoliya | Radhunath Panday | 7.36 | 1.0 | 281 | 262 | 204 | 31.70 | 26.94 | 44.20 | 136 | 0.55 | 2.22 | 17.10 | 0.33 | BDL | BDL | Absent |
| 128 | Saran | Marjhi | Chefui | Chefui | Chefui | Motichand Singh | 7.62 | 1.0 | 534 | 292 | 146 | 40.10 | 30.36 | 43.20 | 134 | 0.43 | 2.74 | 25.80 | 0.41 | BDL | BDL | Absent |
| 129 | Saran | Marjhi | Daudpur | Daudpur | Daudpur | Shri Sitaram parsad | 6.87 | 1.0 | 286 | 165 | 138 | 55.30 | 31.60 | 54.40 | 138 | 0.38 | 7.54 | 28.20 | 0.58 | BDL | BDL | Absent |
| 130 | Saran | Rivilganj | Sitab Diyara | Rameshwar Tola | Rameshwar Tola | sri Bharat Singh | 7.24 | 1.0 | 578 | 361 | 280 | 25.60 | 18.14 | 80.40 | 190 | 0.27 | 11.00 | 29.00 | 0.26 | BDL | BDL | Absent |
| 131 | Saran | Rivilganj | Sitab Diyara | Lala Tola | Lala Tola | Bin Toli | 6.66 | 1.0 | 502 | 299 | 180 | 47.30 | 25.99 | 61.90 | 84 | 0.40 | 4.04 | 45.40 | 0.62 | BDL | BDL | Absent |
| 132 | Saran | Rivilganj | Sitab Diyara | Lala Tola | Lala Tola | Pani Tanki | 6.51 | 1.0 | 411 | 260 | 225 | 55.80 | 28.70 | 48.30 | 164 | 0.43 | 2.00 | 43.30 | 0.55 | BDL | BDL | Absent |
| 133 | Saran | Chapra Sadar | Chirard | Lodpur | Lodpur | Md. Love Public School | 7.18 | 1.0 | 497 | 269 | 238 | 56.50 | 30.50 | 25.50 | 130 | 0.22 | 4.14 | 12.00 | 0.32 | BDL | BDL | Absent |

| Sl. No. | District Name | Block Name | Panchayet Name | Village Name | Habitation Name | Location Details | Physico - Chemical and Bacteriological Parameters | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | pH | Turb. | EC | TDS | TH | Ca | Mg | Cl | Alka. | Fe | $NO_3$ | $SO_4$ | F | As | Mn | T.Coli |
| | | | | | | Unit | - | NTU | µmho/c | 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/100 |
| | | | | | | Desirable Limit* | 6.5-8.5 | 1.0 | - | 500 | 200 | 75.00 | 30.00 | 250.00 | 200 | 1.00 | 45.00 | 200.00 | 1.00 | 0.010 | 0.10 | - |
| | | | | | | Permissible Limit* in absence of alternate source | NR | 5.0 | - | 2000 | 600 | 200.00 | 100.00 | 1000.00 | 600 | NR | NR | 400.00 | 1.50 | NR | 0.30 | ** |
| 134 | Saran | Chapra Sadar | Rajpur Bindgarwa | Balwan Tola | Balwan Tola | Rohit Kumar | 7.19 | 1.0 | 318 | 167 | 144 | 49.30 | 32.20 | 35.40 | 88 | 0.37 | 2.62 | 27.20 | 0.38 | BDL | BDL | Absent |
| 135 | Saran | Chapra Sadar | Musepur | Kansdiyara | Ward No-08 | Ashish Thakur | 7.49 | 1.0 | 350 | 207 | 180 | 61.50 | 40.70 | 54.20 | 170 | 1.11 | 2.25 | 36.30 | 0.88 | BDL | BDL | Absent |
| 136 | Saran | Chapra Sadar | Dumri | Dumri | Ward No-09 | Raman Paswan | 7.35 | 1.0 | 420 | 230 | 201 | 21.20 | 23.33 | 54.40 | 180 | 1.42 | 2.34 | 39.30 | 0.53 | BDL | BDL | Absent |
| 137 | Lakhisarai | Badhiya | Anjanighat | Narsinghauli | Bhumihar Tola | Soket Kumar Singh | 6.71 | 1.0 | 635 | 417 | 197 | 33.30 | 26.02 | 50.00 | 178 | 0.52 | 4.90 | 31.10 | 0.71 | BDL | BDL | Absent |
| 138 | Lakhisarai | Badhiya | Badhiya | Badhiya | Badhiya | Girls Primary School | 6.71 | 1.0 | 483 | 303 | 180 | 71.60 | 32.75 | 25.50 | 148 | 0.53 | 2.70 | 22.60 | 0.38 | BDL | BDL | Absent |
| 139 | Lakhisarai | Badhiya | Dumri | Dhiradar | Dhiradar | Purshotam Mandal | 6.53 | 1.0 | 465 | 284 | 235 | 42.70 | 31.95 | 45.00 | 173 | 0.28 | 4.80 | 44.80 | 0.69 | BDL | BDL | Absent |
| 140 | Lakhisarai | Badhiya | Ejinghat | Turkeyjani | Turkeyjani | Sant Mahto | 6.78 | 1.0 | 667 | 437 | 274 | 43.90 | 32.51 | 32.80 | 254 | 0.33 | 4.90 | 42.80 | 0.81 | BDL | BDL | Absent |
| 141 | Lakhisarai | Lakhisarai | Amahara | Amahara | Muslim Tola | Kaji Md Sanab | 7.09 | 1.0 | 473 | 279 | 270 | 26.90 | 19.28 | 68.00 | 172 | 0.55 | 2.60 | 36.30 | 0.56 | BDL | BDL | Absent |
| 142 | Lakhisarai | Lakhisarai | Babhangama | Babhangama | Babhangama | Pramod Singh | 7.38 | 1.0 | 738 | 460 | 276 | 66.00 | 32.40 | 45.00 | 216 | 0.45 | 3.10 | 36.30 | 0.48 | BDL | BDL | Absent |
| 143 | Lakhisarai | Lakhisarai | Damadarpur | Bihraura | Bihraura | Panchyat Bhawan | 7.60 | 1.0 | 795 | 468 | 332 | 19.80 | 23.78 | 58.80 | 234 | 0.40 | 4.20 | 42.20 | 0.73 | BDL | BDL | Absent |
| 144 | Lakhisarai | Suryagaraha | Abgil Rampur | Husaina | Husaina | M.S.Husaina | 7.07 | 1.0 | 660 | 397 | 229 | 36.60 | 21.59 | 54.40 | 204 | 0.65 | 4.20 | 34.60 | 0.77 | BDL | BDL | Absent |
| 145 | Lakhisarai | Suryagaraha | Barshipur | Amarpur | Amarpur | Kurmi Tola | 7.11 | 1.0 | 376 | 243 | 175 | 54.60 | 32.80 | 65.20 | 104 | 0.59 | 5.70 | 17.80 | 0.52 | BDL | BDL | Absent |
| 146 | Lakhisarai | Suryagaraha | Chaura Rajput | Bhagatpur | Bhagatpur | P.S Bhagatpur | 7.61 | 1.0 | 605 | 372 | 237 | 48.30 | 38.90 | 35.10 | 156 | 0.43 | 5.20 | 32.50 | 0.49 | BDL | BDL | Absent |
| 147 | Lakhisarai | Suryagaraha | Chaura Rajput | Rajpur | Chmar Tola | Rajendra Kumar | 7.06 | 1.0 | 643 | 414 | 262 | 48.30 | 35.59 | 39.60 | 206 | 0.62 | 7.50 | 45.00 | 0.44 | BDL | BDL | Absent |
| 148 | Lakhisarai | Piparia | Ramchandrapur | Tari Par | Tari Par | Samudaik Bhawan | 6.98 | 1.0 | 596 | 352 | 227 | 64.30 | 34.40 | 32.10 | 192 | 0.44 | 4.90 | 39.90 | 0.41 | BDL | BDL | Absent |
| 149 | Lakhisarai | Piparia | Saidpura | Anandpur | Anandpur | Brahm Sthan | 6.82 | 1.0 | 513 | 316 | 222 | 58.70 | 31.90 | 42.90 | 178 | 0.67 | 4.00 | 34.60 | 0.77 | BDL | BDL | Absent |
| 150 | Lakhisarai | Piparia | Wellpur | Wellpur | Babu tola | Kishori Singh | 6.88 | 1.0 | 673 | 409 | 261 | 35.80 | 36.29 | 55.10 | 216 | 0.60 | 4.30 | 40.60 | 0.53 | BDL | BDL | Absent |
| 151 | Lakhisarai | Piparia | Aolipur | Aolipur | Golapar | Hanuman Gadhi | 6.91 | 1.0 | 493 | 311 | 268 | 74.10 | 34.90 | 52.60 | 152 | 0.28 | 5.00 | 25.50 | 0.67 | BDL | BDL | Absent |
| 152 | Begusarai | Bachhawara | Dadpur | Jitbaziipur | Harizen tola | Bimal Paswan | 7.18 | 1.0 | 895 | 561 | 355 | 49.10 | 27.00 | 46.70 | 254 | 0.72 | 7.00 | 60.07 | 0.99 | BDL | BDL | Absent |
| 153 | Begusarai | Bachhawara | Fateha | Fateha | Gangasar | Rajendar Sada | 7.20 | 1.0 | 575 | 369 | 189 | 25.40 | 24.90 | 52.40 | 154 | 0.48 | 3.40 | 24.51 | 0.25 | BDL | BDL | Absent |
| 154 | Begusarai | Bachhawara | Bishanpur | Chiraiyatok | Dom tola | Rajnarayan Rai | 7.17 | 1.0 | 661 | 423 | 234 | 50.70 | 32.30 | 46.60 | 196 | 1.93 | 9.30 | 31.15 | 0.27 | BDL | BDL | Absent |
| 155 | Begusarai | Barauni | Malhipur S | Simariya Ghat | Simariya Ghat | Panchu Baba | 7.65 | 1.0 | 728 | 458 | 250 | 26.30 | 24.46 | 35.40 | 238 | 1.14 | 4.40 | 40.13 | 0.27 | BDL | BDL | Absent |
| 156 | Begusarai | Barauni | Simariya 1 | Simariya 1 | Simariya 1 | Dinakar H School | 7.70 | 1.0 | 951 | 590 | 376 | 40.10 | 30.52 | 50.20 | 278 | 1.34 | 6.12 | 55.06 | 0.33 | BDL | BDL | Absent |
| 157 | Begusarai | Barauni | Pipra Devas | Pipra Dih | Pipra Dih | Shibu Yadav | 7.22 | 1.0 | 671 | 427 | 234 | 46.20 | 28.94 | 63.10 | 218 | 0.69 | 5.20 | 39.14 | 0.67 | BDL | BDL | Absent |
| 158 | Begusarai | Barauni | Paprauri | Paprauri | Paprauri | Rajeev Rai | 7.90 | 1.0 | 857 | 558 | 332 | 96.20 | 43.40 | 47.40 | 256 | 0.67 | 3.90 | 43.42 | 0.65 | BDL | BDL | Absent |
| 159 | Begusarai | S Kamal | Ragu Barari | Chharapti | Chharapti | Ganga Mochi | 7.40 | 1.0 | 1040 | 649 | 396 | 55.40 | 29.70 | 47.10 | 344 | 1.17 | 5.69 | 62.69 | 0.28 | BDL | BDL | Absent |
| 160 | Begusarai | S Kamal | Ragu Barari | Chharapiti | Chharapiti | Durga asthan | 7.44 | 1.0 | 1044 | 673 | 386 | 81.80 | 35.90 | 41.70 | 348 | 1.30 | 3.10 | 66.03 | 0.79 | BDL | BDL | Absent |
| 161 | Begusarai | S Kamal | Ragu Barari | Pachaveer | Pachaveer | Shiv Mahto | 6.90 | 1.0 | 574 | 346 | 189 | 57.50 | 29.20 | 33.50 | 152 | 1.50 | 4.10 | 33.18 | 1.06 | BDL | BDL | Absent |
| 162 | Begusarai | Matihani | Balakpur 2 | Nayagaon | Nayagaon | Janta H School | 7.05 | 1.0 | 629 | 403 | 229 | 66.20 | 32.10 | 30.70 | 134 | 1.61 | 4.00 | 30.32 | 0.90 | BDL | BDL | Absent |
| 163 | Begusarai | Matihani | Matihani | Matihani | Matihani | Block Campus | 7.39 | 1.0 | 552 | 366 | 208 | 43.90 | 23.24 | 53.30 | 142 | 1.41 | 7.60 | 38.68 | 0.92 | BDL | BDL | Absent |
| 164 | Begusarai | Matihani | Maniappa | Birndavan | Birndavan | Primary School | 7.47 | 1.0 | 366 | 241 | 180 | 43.00 | 28.50 | 27.10 | 125 | 1.53 | 6.20 | 24.74 | 1.01 | BDL | BDL | Absent |
| 165 | Begusarai | Teghra | N.Madhurapur | N.Madhurapur | Ward No-14 | Guptawan ke Pass | 7.10 | 1.0 | 975 | 614 | 374 | 35.50 | 26.24 | 39.80 | 298 | 1.36 | 4.10 | 59.72 | 0.90 | BDL | BDL | Absent |
| 166 | Begusarai | Teghra | N.Madhurapur | N.Madhurapur | N.Madhurapur | Arun Singh | 6.90 | 1.0 | 605 | 378 | 226 | 60.20 | 37.60 | 38.10 | 200 | 1.82 | 6.40 | 38.16 | 1.06 | BDL | BDL | Absent |
| 167 | Begusarai | Teghra | N.Madhurapur | N.Madhurapur | Ward No-13 | Naveen Singh | 7.18 | 1.0 | 809 | 493 | 286 | 77.10 | 36.50 | 39.20 | 236 | 1.77 | 8.00 | 50.28 | 0.47 | BDL | BDL | Absent |
| 168 | Begusarai | Teghra | N.Madhurapur | N.Madhurapur | Ward No-11 | Naga Sah | 6.91 | 1.0 | 942 | 616 | 352 | 51.10 | 31.06 | 55.90 | 306 | 1.58 | 8.00 | 56.39 | 0.57 | BDL | BDL | Absent |
| 169 | Begusarai | Ballia | Bariyarpur | Bariyarpur | Bariyarpur | Ashok Kumar | 7.08 | 1.0 | 636 | 426 | 233 | 34.20 | 26.29 | 47.79 | 172 | 1.05 | 3.30 | 27.83 | 1.01 | BDL | BDL | Absent |
| 170 | Begusarai | Ballia | Bhagatpur | Nagar Gawri | Bhagatpur | Paswan Choudhary | 7.49 | 1.0 | 1089 | 700 | 347 | 55.30 | 36.30 | 42.90 | 260 | 1.48 | 5.00 | 62.02 | 0.21 | BDL | BDL | Absent |
| 171 | Begusarai | Ballia | Nurjamapur | Nurjamapur | Nurjamapur | H. Chak | 7.19 | 1.0 | 713 | 483 | 260 | 32.60 | 29.62 | 57.20 | 220 | 2.01 | 4.20 | 41.46 | 0.68 | BDL | BDL | Absent |
| 172 | Begusarai | Ballia | Pokharia | Danauli | Pokharia | Pulwaria Baithaka | 7.09 | 1.0 | 1072 | 678 | 434 | 37.10 | 23.82 | 48.00 | 280 | 1.27 | 5.60 | 72.01 | 0.59 | BDL | BDL | Absent |
| 173 | Katihar | Kursela | E.Muradpur | Basuhar | Majadiya (Basuhar) | Brideshwar Jaiswal | 7.11 | 1.0 | 313 | 178 | 157 | 25.50 | 19.02 | 31.10 | 98 | 0.94 | 0.93 | 4.50 | 0.77 | BDL | BDL | Absent |
| 174 | Katihar | Kursela | N.Muradpur | Debipur | Belmi | Ramanand Yadav | 7.32 | 1.0 | 369 | 212 | 192 | 39.80 | 27.98 | 71.60 | 95 | 1.10 | 1.37 | 4.10 | 0.75 | BDL | BDL | Absent |
| 175 | Katihar | Kursela | E.Muradpur | Majadiya | Kamlakanhi | Babulal Sharma | 6.88 | 1.0 | 322 | 192 | 186 | 46.10 | 27.64 | 64.40 | 121 | 1.00 | 1.79 | 5.40 | 0.63 | BDL | BDL | Absent |
| 176 | Katihar | Manihari | Kumaripur | Kumaripur | Rasulpur | Bhola Thakur | 7.36 | 1.0 | 350 | 235 | 160 | 64.60 | 36.60 | 32.50 | 96 | 1.04 | 1.11 | 3.50 | 0.67 | BDL | BDL | Absent |
| 177 | Katihar | Manihari | Dilarpur | Dilarpur | Bandh Tola | Rajesh Jha | 7.40 | 1.0 | 456 | 289 | 234 | 33.00 | 29.26 | 53.10 | 164 | 0.96 | 2.49 | 6.90 | 0.64 | BDL | BDL | Absent |
| 178 | Katihar | Manihari | Manihari | Dogachhi | Do Gachhi | Maso. Maheswari | 7.58 | 1.0 | 425 | 284 | 204 | 49.70 | 32.19 | 29.40 | 146 | 0.88 | 1.59 | 16.30 | 0.53 | BDL | BDL | Absent |
| 179 | Katihar | Manihari | Badhar | Badhar | Mirapur | Janardan Yadav | 7.54 | 1.0 | 366 | 219 | 183 | 40.20 | 32.22 | 40.00 | 146 | 0.78 | 2.34 | 13.20 | 0.73 | BDL | BDL | Absent |
| 180 | Katihar | Amdabad | East Karimullapur | paharpur | paharpur | Ishwer Mandal | 6.82 | 1.0 | 327 | 214 | 178 | 52.80 | 30.20 | 62.40 | 149 | 0.76 | 1.54 | 13.10 | 0.68 | BDL | BDL | Absent |
| 181 | Katihar | Amdabad | Hasanpur | Vidhurua | Vidhurua | U.M.S | 6.96 | 1.0 | 320 | 184 | 164 | 23.30 | 32.52 | 65.30 | 108 | 1.12 | 3.36 | 3.10 | 0.46 | BDL | BDL | Absent |

| Sl. No. | District Name | Block Name | Panchayet Name | Village Name | Habitation Name | Location Details | Physico - Chemical and Bacteriological Parameters | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | pH | Turb. | EC | TDS | TH | Ca | Mg | Cl | Alka. | Fe | $NO_3$ | $SO_4$ | F | As | Mn | T.Coli |
| | | | | | | Unit | - | NTU | µmho/c | 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/100 |
| | | | | | | Desirable Limit* | 6.5-8.5 | 1.0 | - | 500 | 200 | 75.00 | 30.00 | 250.00 | 200 | 1.00 | 45.00 | 200.00 | 1.00 | 0.010 | 0.10 | - |
| | | | | | | Permissible Limit* in absence of alternate source | NR | 5.0 | - | 2000 | 600 | 200.00 | 100.00 | 1000.00 | 600 | NR | NR | 400.00 | 1.50 | NR | 0.30 | ** |
| 182 | Katihar | Amdabad | Charramari | Charramari | Charraman | Rahul Kumar | 7.13 | 1.0 | 312 | 199 | 166 | 49.10 | 33.89 | 46.10 | 110 | 1.10 | 3.20 | 8.10 | 0.32 | BDL | BDL | Absent |
| 183 | Katihar | Sameli | Muradpur | Kalkatari Milk | Badhaiya Tola | Laxman Sharma | 7.55 | 1.0 | 314 | 182 | 146 | 46.00 | 27.79 | 50.40 | 98 | 1.09 | 4.17 | 12.09 | 0.29 | BDL | BDL | Absent |
| 184 | Katihar | Sameli | Muradpur | Morsanda Milk | Mandal Tola | Satyanarayan Singh | 7.77 | 1.0 | 430 | 274 | 162 | 57.20 | 31.60 | 41.40 | 126 | 1.01 | 2.25 | 4.40 | 0.38 | BDL | BDL | Absent |
| 185 | Katihar | Sameli | Muradpur | Muradpur | Nazir Chakla | Chuthai Mahaldar | 7.58 | 1.0 | 958 | 602 | 318 | 63.00 | 34.20 | 78.80 | 282 | 0.87 | 5.53 | 24.26 | 0.24 | BDL | BDL | Absent |
| 186 | Katihar | Sameli | Malharia | Bakhri | Bakhri | Manager Rishi | 7.68 | 1.0 | 1016 | 644 | 314 | 39.00 | 30.31 | 56.20 | 288 | 0.41 | 2.23 | 30.60 | 0.20 | BDL | BDL | Absent |
| 187 | Katihar | Barari | Barari | Barari | Ward No-11 | Pawan Sharma | 6.68 | 1.0 | 308 | 180 | 160 | 32.70 | 23.25 | 44.20 | 120 | 1.64 | 1.51 | 14.60 | 0.53 | BDL | BDL | Absent |
| 188 | Katihar | Barari | Barari | Barari Haat | Barari Haat | Chandrakishore Mishra | 6.53 | 1.0 | 283 | 180 | 153 | 57.10 | 28.80 | 35.30 | 78 | 0.48 | 1.83 | 9.40 | 0.67 | BDL | BDL | Absent |
| 189 | Katihar | Barari | Bareta | Devi Bareta | Devi Bareta | M. V. Devi Bareta | 6.86 | 1.0 | 258 | 168 | 158 | 45.10 | 23.93 | 58.40 | 108 | 0.58 | 3.89 | 7.45 | 0.50 | BDL | BDL | Absent |
| 190 | Katihar | Barari | Bishanpur | Dhara | Dhara | Rajendra Choudhary | 7.13 | 1.0 | 439 | 294 | 181 | 66.20 | 35.10 | 70.10 | 142 | 0.92 | 2.10 | 7.42 | 0.38 | BDL | BDL | Absent |
| 191 | Patna | Sadar | Nagar Panchayat | Bakarganj Side | Bakarganj Side | Sanu | 7.36 | 1.0 | 451 | 266 | 230 | 92.60 | 42.20 | 48.10 | 172 | 0.16 | 3.20 | 5.80 | 0.27 | BDL | BDL | Absent |
| 192 | Patna | Sadar | Nagar Panchayat | Saidpur | Kali Mandir | Suresh Rajak | 7.35 | 1.0 | 663 | 420 | 319 | 52.10 | 33.70 | 40.60 | 301 | 0.27 | 4.40 | 10.70 | 0.39 | BDL | BDL | Absent |
| 193 | Patna | Sadar | Nagar Panchayat | Musallahpur | Mohar Tola | Devi Asthan | 7.27 | 1.0 | 445 | 246 | 229 | 77.70 | 35.00 | 55.30 | 205 | 0.27 | 3.03 | 6.79 | 0.30 | BDL | BDL | Absent |
| 194 | Patna | Sadar | Nagar Panchayat | Mahendru | Braham Asthan | Mukesh Kumar | 7.37 | 1.0 | 663 | 436 | 305 | 88.20 | 36.40 | 36.10 | 291 | 0.40 | 3.96 | 11.69 | 0.41 | BDL | BDL | Absent |
| 195 | Patna | Maner | Baluan | Baluan | Baluan | Dhanraj Singh | 6.80 | 1.0 | 333 | 218 | 183 | 19.80 | 20.76 | 37.60 | 134 | 0.57 | 5.40 | 11.00 | 0.38 | BDL | BDL | Absent |
| 196 | Patna | Maner | Baluan | Baluan | Baluan | Negilal Paswan | 7.38 | 1.0 | 296 | 182 | 144 | 40.90 | 34.32 | 20.20 | 94 | 0.45 | 5.60 | 16.00 | 0.30 | BDL | BDL | Absent |
| 197 | Patna | Maner | Baluan | Baluan | Baluan | Devi Sthan | 7.76 | 1.0 | 282 | 192 | 134 | 66.20 | 34.90 | 32.00 | 122 | 0.86 | 6.72 | 20.00 | 0.78 | BDL | BDL | Absent |
| 198 | Patna | Maner | Baluan | Baluan | Baluan | Mahawir Sthan | 7.49 | 1.0 | 316 | 210 | 180 | 32.30 | 25.78 | 70.90 | 131 | 1.06 | 3.14 | 34.00 | 0.68 | BDL | BDL | Absent |
| 199 | Patna | Patna Rural | Fatehpur | Fatehpur | Fatehpur | Near SDV Public School | 7.13 | 1.0 | 384 | 239 | 196 | 31.50 | 30.22 | 56.50 | 128 | 0.23 | 4.10 | 2.40 | 0.55 | BDL | BDL | Absent |
| 200 | Patna | Patna Rural | Sabalpur | Sabalpur | Bastal | Ramji Paswan | 7.22 | 1.0 | 406 | 267 | 162 | 52.50 | 37.30 | 31.00 | 182 | 0.22 | 5.40 | 6.30 | 0.53 | BDL | BDL | Absent |
| 201 | Patna | Patna Rural | Sonavari | Gyanchak | Banpartola | Shri Amrit Singh | 7.71 | 1.0 | 374 | 219 | 180 | 26.20 | 21.02 | 40.70 | 140 | 0.44 | 2.00 | 8.32 | 0.45 | BDL | BDL | Absent |
| 202 | Patna | Patna Rural | Sonavan | Gyanchak | Banpartola | Shri Shivbalak Singh | 7.70 | 1.0 | 394 | 231 | 170 | 33.80 | 23.70 | 36.90 | 106 | 0.24 | 3.60 | 6.40 | 0.58 | BDL | BDL | Absent |
| 203 | Patna | Bakhtiyarpur | Ghosvari | Ghosvari | Badlo Toli | Kali Asthan/Dhurkhandi | 6.92 | 1.0 | 552 | 313 | 224 | 38.90 | 26.52 | 53.20 | 137 | 0.36 | 1.92 | 2.30 | 0.63 | BDL | BDL | Absent |
| 204 | Patna | Bakhtiyarpur | Hardaspur | Hardaspur | Hardaspur | Khali Mahto | 6.96 | 1.0 | 455 | 284 | 172 | 31.20 | 18.98 | 28.90 | 130 | 0.46 | 2.28 | 3.20 | 0.55 | BDL | BDL | Absent |
| 205 | Patna | Bakhtiyarpur | Rupas Mahalee | Maruaahi | Maruaahi | Yogi Road | 7.05 | 1.0 | 582 | 375 | 215 | 20.80 | 24.75 | 45.20 | 140 | 0.56 | 1.30 | 5.40 | 0.48 | BDL | BDL | Absent |
| 206 | Patna | Barh | Begmna Pachhim | Sarkati | Sarkati | Sahodar Paswan | 6.85 | 1.0 | 664 | 412 | 353 | 33.90 | 30.23 | 43.00 | 255 | 1.02 | 2.19 | 4.62 | 0.33 | BDL | BDL | Absent |
| 207 | Patna | Barh | Andauli | Darveshpur | Darveshpur | Viveka Singh | 7.06 | 1.0 | 460 | 312 | 272 | 18.96 | 26.80 | 35.20 | 206 | 1.21 | 1.47 | 7.88 | 0.41 | BDL | BDL | Absent |
| 208 | Patna | Barh | Ekdanga | Ekdanga | Ekdanga | Chamar Toli | 6.91 | 1.0 | 428 | 246 | 213 | 22.80 | 26.65 | 29.20 | 180 | 1.05 | 1.62 | 31.82 | 0.50 | BDL | BDL | Absent |
| 209 | Patna | Barh | Ibrahimpur | Malavad | Malavad | Ganthan Rai | 7.53 | 1.0 | 454 | 268 | 203 | 33.40 | 26.76 | 56.00 | 180 | 0.45 | 3.05 | 10.46 | 0.36 | BDL | BDL | Absent |
| 210 | Patna | Pandarak | Aigra Bakma | Bakma | Bakma | Kanti Singh | 7.01 | 1.0 | 760 | 462 | 263 | 31.20 | 32.60 | 54.00 | 226 | 0.81 | 0.98 | 5.86 | 0.56 | BDL | BDL | Absent |
| 211 | Patna | Pandarak | Aigra Bakma | Bakma | Bakma | Lakshmi Singh | 7.36 | 1.0 | 728 | 456 | 311 | 27.60 | 24.42 | 50.30 | 268 | 0.73 | 2.18 | 5.43 | 0.98 | BDL | BDL | Absent |
| 212 | Patna | Pandarak | Aigra Bakma | Bakma | Chakrahim | Ravindra Singh | 7.66 | 2.0 | 1064 | 682 | 411 | 50.90 | 25.00 | 91.10 | 250 | 0.99 | 1.66 | 11.15 | 0.84 | BDL | BDL | Absent |
| 213 | Patna | Pandarak | Aigra Bakma | Imadpur | Imadpur | Pattan Sah | 7.26 | 2.0 | 960 | 644 | 296 | 32.70 | 24.05 | 70.70 | 262 | 0.75 | 2.14 | 6.80 | 0.61 | BDL | BDL | Absent |
| 214 | Patna | Mokama | Dariyapur | Dariyarpur | Dariyarpur | Surendra Singh | 6.99 | 1.0 | 726 | 438 | 381 | 57.10 | 32.80 | 58.00 | 338 | 0.31 | 1.90 | 7.20 | 0.54 | BDL | BDL | Absent |
| 215 | Patna | Mokama | Dariyapur | Dariyarpur | Dariyarpur | Md. Shamim | 7.01 | 1.0 | 452 | 273 | 214 | 64.80 | 34.70 | 46.20 | 192 | 0.42 | 4.00 | 6.30 | 0.57 | BDL | BDL | Absent |
| 216 | Patna | Mokama | Dariyapur | Dariyarpur | Dariyarpur | Dilip Choudhary | 7.34 | 1.0 | 593 | 349 | 276 | 63.90 | 30.10 | 26.60 | 242 | 0.48 | 1.80 | 5.01 | 0.50 | BDL | BDL | Absent |
| 217 | Patna | Danapur | Hetanpur Madhopur | Bichli Tola | Ward No.6 | Shyam Babu | 6.90 | 1.0 | 490 | 289 | 275 | 89.30 | 32.60 | 50.50 | 162 | 0.26 | 4.00 | 6.90 | 0.37 | BDL | BDL | Absent |
| 218 | Patna | Danapur | Kothwa | Kothwa | Ward No 5 | Rishidev Rai | 6.86 | 1.0 | 418 | 262 | 239 | 26.40 | 20.62 | 29.10 | 173 | 0.53 | 5.10 | 15.30 | 0.41 | BDL | BDL | Absent |
| 219 | Patna | Danapur | Manas Naya Panapur | Chinya Toke | Ward No 13 | Havaldar Ram | 7.04 | 1.0 | 446 | 284 | 229 | 40.30 | 31.36 | 37.90 | 162 | 0.34 | 4.30 | 67.50 | 0.38 | BDL | BDL | Absent |
| 220 | Patna | Danapur | Manas Naya Panapur | Manas | Ward No 19 | Mala Rai | 6.86 | 1.0 | 557 | 336 | 299 | 21.70 | 21.95 | 80.60 | 235 | 0.34 | 5.60 | 34.70 | 0.46 | BDL | BDL | Absent |

Note: * (i) Drinking Water Specification Second Revison -IS:10500:2012., (ii) All the testing methods are taken from APHA 22nd Edition 2012. (iii) BDL means Below Detection Limit., (iv) NR means no relaxation (v) ** Shall not be detectable in any 100 ml sample

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(i) Consultant Water Quality Cell : PHED, Govt. of Bihar, (ii) Director, Water Quality Cell, PHED, Govt. of Bihar (iii) Engineer-in-Chief cum Special Secretary, PHED, Govt. of Bihar

*The results are reported based on the materials received. Sample will be destroyed after 15 days from the date of issue of the certificate unless otherwise specified. Sample will be preserved according to standard method. The test report shall not be reproduced except in full without the written permission of Laboratory.*

Signature of the Lab Incharge

## STATE LEVEL WATER TESTING LABORATORY (SLWTL)

PHED, GOVT. OF BIHAR, CHHAJJUBAGH, PATNA-800001

Technical Consultancy by: Scientific Research Laboratory, 90, Lake East (4thRoad), Santoshpur, Jadavpur, Kolkata-700075

### TEST CERTIFICATE

Report No: SLWTL/2020/GW - 11958 - 11965
Name of the Organisation: Departmental
Date of Sampling: 02 to 08.07.2020

River Name: Punpun
Source of Sample: Drinking Water

Date of Reporting: 15.07.2020
Sample Collected By: SLWTL
Sample Received on: 08.07.2020

### PHYSICO-CHEMICAL & BACTERIOLOGICAL TEST REPORT

| Sl. No. | District Name | Block Name | Panchayet Name | Village Name | Habitation Name | Location Details | Physico - Chemical and Bacteriological Parameters | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | pH | Turb. | EC | TDS | TH | Ca | Mg | Cl | Alka. | Fe | $NO_3$ | $SO_4$ | F | As | Mn | T.Coli |
| | | | | | | Unit | - | NTU | µmho/cm | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | MPN/100ml |
| | | | | | | Desirable Limit* | 6.5-8.5 | 1.00 | - | 500 | 200 | 75.00 | 30.00 | 250.00 | 200 | 1.00 | 45.00 | 200.00 | 1.00 | 0.010 | 0.10 | - |
| | | | | | | Permissible Limit* in absence of alternate source | NR | 5.00 | - | 2000 | 600 | 200.00 | 100.00 | 1000.00 | 600 | NR | NR | 400.00 | 1.50 | NR | 0.30 | ** |
| 1 | Patna | Fatuha | Alavalpur | Alavalpur | Alavalpur | Suresh Das | 7.17 | 1.0 | 396 | 265 | 216 | 45.72 | 12.42 | 48.70 | 264 | 0.26 | 0.36 | 17.79 | 0.34 | BDL | BDL | Absent |
| 2 | Patna | Fatuha | Dumri | Dumri | Nathupur | Nathupur | 7.10 | 1.0 | 502 | 383 | 271 | 41.83 | 16.24 | 24.12 | 261 | 0.32 | 0.79 | 14.03 | 0.28 | BDL | BDL | Absent |
| 3 | Patna | Fatuha | Fatuha | Fatuha | Maksudpur | Uttkarmit M. S. | 6.77 | 1.0 | 451 | 394 | 308 | 74.83 | 17.25 | 26.05 | 293 | 0.22 | 1.04 | 16.75 | 0.12 | BDL | BDL | Absent |
| 4 | Patna | Fatuha | Gauripunda | Balba | Gauripundah | Ram Vilas Singh | 6.67 | 1.0 | 416 | 379 | 296 | 55.83 | 15.82 | 31.80 | 271 | 0.19 | 2.08 | 12.36 | 0.24 | BDL | BDL | Absent |
| 5 | Patna | Punpun | Akauna | Meranchi | Maranchi | Sudhe Manjhi | 7.10 | 1.0 | 355 | 235 | 205 | 46.64 | 11.95 | 42.60 | 178 | 0.25 | 1.10 | 15.64 | 0.23 | BDL | BDL | Absent |
| 6 | Patna | Punpun | Baral | Kutubpur | Kutubpur | Dinesh Thakur | 7.16 | 1.0 | 467 | 356 | 314 | 22.76 | 6.67 | 23.20 | 186 | 0.21 | 0.36 | 7.87 | 0.21 | BDL | BDL | Absent |
| 7 | Patna | Punpun | Behrava | Behravan | Behravan | Jafar Miya | 7.21 | 1.0 | 417 | 372 | 311 | 24.35 | 8.23 | 33.48 | 311 | 0.27 | 1.14 | 16.21 | 0.36 | BDL | BDL | Absent |
| 8 | Patna | Punpun | Chakiya | Chakiya | Chakiya | Dhrendu Das | 6.74 | 1.0 | 488 | 371 | 356 | 36.62 | 2.67 | 36.45 | 299 | 0.13 | 1.06 | 17.35 | 0.48 | BDL | BDL | Absent |

Note: * (i) Drinking Water Specification Second Revision -IS:10500:2012., (ii) All the testing methods are taken from APHA 22nd Edition 2012., (iii) BDL means Below Detection Limit., (iv) NR means no relaxation., (v) ** Shall not be detectable in any 100 ml sample

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*The results are reported based on the materials received. Sample will be destroyed after 15 days from the date of issue of the certificate unless otherwise specified. Sample will be preserved according to standard method. The test report shall not be reproduced except in full, without the written permission of Laboratory.*

Signature of Chemist-Incharge

## STATE LEVEL WATER TESTING LABORATORY (SLWTL)

PHED, GOVT. OF BIHAR, CHHAJJUBAGH, PATNA-800001

Technical Consultancy by: Scientific Research Laboratory, 90, Lake East (4thRoad), Santoshpur, Jadavpur, Kolkata-700075

### TEST CERTIFICATE

**Report No:** SLWTL/2020/GW - 11966 - 11969

**Name of the Organisation:** Departmental

**Date of Sampling:** 02 to 08.07.2020

**River Name:** Ram Rekha

**Source of Sample:** Drinking Water

**Date of Reporting:** 15.07.2020

**Sample Collected By:** SLWTL

**Sample Received on:** 08.07.2020

### PHYSICO-CHEMICAL & BACTERIOLOGICAL TEST REPORT

| Sl. No. | District Name | Block Name | Panchayet Name | Village Name | Habitation Name | Location Details | Physico - Chemical and Bacteriological Parameters | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | pH | Turb. | EC | TDS | TH | Ca | Mg | Cl | Alka. | Fe | $NO_3$ | $SO_4$ | F | As | Mn | T.Coli |
| | | | | | | *Unit* | - | *NTU* | *µmho/cm* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *MPN/100ml* |
| | | | | | | *Desirable Limit** | *6.5-8.5* | *1.00* | - | *500* | *200* | *75.00* | *30.00* | *250.00* | *200* | *1.00* | *45.00* | *200.00* | *1.00* | *0.010* | *0.10* | - |
| | | | | | | *Permissible Limit* in absence of alternate source* | *NR* | *5.00* | - | *2000* | *600* | *200.00* | *100.00* | *1000.00* | *600* | *NR* | *NR* | *400.00* | *1.50* | *NR* | *0.30* | ** |
| 1 | West Champaran | Ramnagar | Nagar Panchayat | Chhat Ghat | Ward No-08 | Sundar Chawk | 6.95 | 1.0 | 616 | 524 | 317 | 63.52 | 23.62 | 64.36 | 272 | 0.42 | 1.72 | 19.36 | 0.35 | BDL | BDL | Absent |
| 2 | West Champaran | Ramnagar | Nagar Panchayat | Thana Campus | Thana Campus | Thana Campus | 7.12 | 1.0 | 488 | 348 | 266 | 33.66 | 12.33 | 35.24 | 269 | 0.36 | 1.59 | 13.25 | 0.21 | BDL | BDL | Absent |
| 3 | West Champaran | Ramnagar | Nagar Panchayat | Chhat Ghat | Ward No-08 | Bhagat Singh Chawk | 7.26 | 1.0 | 536 | 375 | 235 | 42.65 | 15.44 | 46.38 | 194 | 0.41 | 2.37 | 15.63 | 0.36 | BDL | BDL | Absent |
| 4 | West Champaran | Ramnagar | Nagar Panchayat | Nagar Panchayat | Ward No-08 | Anganwari | 6.98 | 1.0 | 609 | 414 | 376 | 61.92 | 18.62 | 23.35 | 320 | 0.32 | 2.36 | 22.27 | 0.62 | BDL | BDL | Absent |

Note :* (i) Drinking Water Specification Second Revision -IS:10500:2012. (ii) All the testing methods are taken from APHA 22nd Edition 2012. (iii) BDL means Below Detection Limit. (iv) NR means no relaxation. (v) ** Shall not be detectable in any 100 ml sample.

Copy forwarded for kind information to:

(i) Consultant Water Quality Cell , PHED, Govt. of Bihar, (ii) Director, Water Quality Cell, PHED, Govt. of Bihar, (iii) Engineer-in-Chief cum Special Secretary, PHED, Govt. of Bihar

*This results are reported based on the materials received. Sample will be destroyed after 15 days from the date of issue of the certificate unless otherwise specified. Sample will be preserved according to standard method. The test report shall not be reproduced except in full, without the written permission of Laboratory.*

SCIENTIFIC RESEARCH LABORATORY PATNA

Signature of Lab Incharge

## STATE LEVEL WATER TESTING LABORATORY (SLWTL)

PHED, GOVT. OF BIHAR, CHHAJJUBAGH, PATNA-800001

Technical Consultancy by: Scientific Research Laboratory, 90, Lake East (4thRoad), Santoshpur, Jadavpur, Kolkata-700075

### TEST CERTIFICATE

Report No: SLWTL/2020/GW - 11970 - 11983
Name of the Organisation: Departmental
Date of Sampling: 02 to 08.07.2020

River Name: Sikrahna
Source of Sample: Drinking Water

Date of Reporting: 15.07.2020
Sample Collected By: SLWTL
Sample Received on: 08.07.2020

PHYSICO-CHEMICAL & BACTERIOLOGICAL TEST REPORT

| Sl. No. | District Name | Block Name | Panchayet Name | Village Name | Habitation Name | Location Details | Physico - Chemical and Bacteriological Parameters | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | pH | Turb. | EC | TDS | TH | Ca | Mg | Cl | Alka. | Fe | $NO_3$ | $SO_4$ | F | As | Mn | T.Coli |
| | | | | | | *Unit* | - | *NTU* | *µmho/cm* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *mg/l* | *MPN/100ml* |
| | | | | | | *Desirable Limit** | *6.5-8.5* | *1.00* | - | *500* | *200* | *75.00* | *30.00* | *250.00* | *200* | *1.00* | *45.00* | *200.00* | *1.00* | *0.010* | *0.10* | - |
| | | | | | | *Permissible Limit* in absence of alternate source* | *NR* | *5.00* | - | *2000* | *600* | *200.00* | *100.00* | *1000.00* | *600* | *NR* | *NR* | *400.00* | *1.50* | *NR* | *0.30* | ** |
| 1 | W Champaran | Narkatiyaganj | Dhumnagar | Noniya Tola | Ward No - 03 | Shambhu Singh | 7.18 | 1.0 | 452 | 362 | 214 | 34.00 | 12.00 | 15.00 | 192 | 0.21 | 2.43 | 3.82 | 0.24 | BDL | BDL | Absent |
| 2 | W Champaran | Narkatiyaganj | Dhumnagar | Dhumnagar | Gadiyani Tola | School | 7.22 | 1.0 | 593 | 465 | 306 | 72.20 | 19.90 | 26.00 | 277 | 0.26 | 1.66 | 6.65 | 0.36 | BDL | BDL | Absent |
| 3 | W Champaran | Narkatiyaganj | Dhumnagar | Dhumnagar | Ward N0 - 04 | Dhumnagar Chawk | 7.11 | 1.0 | 445 | 377 | 251 | 92.20 | 22.49 | 15.60 | 249 | 0.13 | 4.72 | 7.48 | 0.17 | BDL | BDL | Absent |
| 4 | W Champaran | Narkatiyaganj | Dhumnagar | Noniya Tola | Ward No - 03 | Rajbansi Chaudhury | 7.34 | 1.0 | 473 | 369 | 359 | 45.36 | 13.61 | 23.00 | 222 | 0.28 | 2.11 | 4.58 | 0.33 | BDL | BDL | Absent |
| 5 | W Champaran | Chanpatiya | Nagar Panchayat | Block Campus | Block Campus | Mandir Ke Bagal Me | 7.13 | 1.0 | 572 | 374 | 265 | 69.30 | 23.70 | 66.10 | 235 | 0.17 | 2.51 | 52.10 | 0.68 | BDL | BDL | Absent |
| 6 | W Champaran | Chanpatiya | Bankat Parouna | Barikat Parouna | Ward No - 01 | Kashi Raut | 7.37 | 1.0 | 373 | 284 | 197 | 37.90 | 15.26 | 36.70 | 157 | 0.33 | 5.95 | 33.59 | 0.47 | BDL | BDL | Absent |
| 7 | W Champaran | Chanpatiya | Utter Ghogha | Barka Gawn | Ward No-04 | Jhola Mahto | 7.52 | 1.0 | 256 | 199 | 168 | 23.42 | 12.08 | 25.80 | 122 | 0.81 | 11.30 | 21.80 | 0.54 | BDL | BDL | Absent |
| 8 | W Champaran | Chanpatiya | Jetiya | Kokila Dih | Kokila Dih | Primary School | 7.66 | 3.0 | 393 | 247 | 185 | 45.12 | 19.10 | 43.90 | 146 | 0.45 | 3.47 | 32.60 | 0.49 | BDL | BDL | Absent |
| 9 | W Champaran | Sikta | Puraina | Maheshra | Maheshra | Balister Sahani | 6.98 | 1.0 | 342 | 241 | 166 | 43.36 | 14.70 | 42.50 | 169 | 0.14 | 1.21 | 23.60 | 0.35 | BDL | BDL | Absent |
| 10 | W Champaran | Sikta | Puraina | Maheshra | Maheshra | Aslam Dewan | 7.62 | 1.0 | 346 | 271 | 208 | 36.80 | 15.81 | 36.80 | 158 | 0.16 | 1.66 | 25.50 | 0.38 | BDL | BDL | Absent |
| 11 | W Champaran | Manjholiya | Harpur Gadhwa | Harpur | Ward No-11 | Lal Dev Mahto | 7.33 | 1.0 | 622 | 402 | 332 | 61.00 | 24.00 | 25.00 | 234 | 0.12 | 1.82 | 21.10 | 0.55 | BDL | BDL | Absent |
| 12 | W Champaran | Manjholiya | Barba Segra Ghat | Barba | Barba | Choudhary Sah | 7.21 | 1.0 | 645 | 417 | 331 | 84.00 | 23.00 | 24.00 | 252 | 0.21 | 1.22 | 11.80 | 0.36 | BDL | BDL | Absent |
| 13 | W Champaran | Manjholiya | Gudra | Gudra | Ward No-01 | Rajendra Sah | 7.46 | 1.0 | 722 | 469 | 319 | 79.00 | 28.00 | 26.00 | 287 | 0.16 | 3.07 | 32.00 | 0.41 | BDL | BDL | Absent |
| 14 | W Champaran | Manjholiya | Bahuarwa | Panday Tola | Panday Tola | Manoj Bambal | 7.52 | 1.0 | 845 | 534 | 348 | 86.00 | 36.00 | 95.00 | 271 | 0.13 | 1.86 | 16.80 | 0.48 | BDL | BDL | Absent |

Note: * (i) Drinking Water Specification Second Revision -IS:10500:2012. (ii) All the testing methods are taken from APHA 22nd Edition 2012. (iii) BDL means Below Detection Limit. (iv) NR means no relaxation. (v) ** Shall not be detectable in any 100 ml sample

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SCIENTIFIC RESEARCH LABORATORY

Signature of the Lab Incharge

**Annexure - 7**

## Forestry Interventions for Ganga

**Project: NMCG Ganga**

**Plantation Year: 2016-2017**

**Activity- Natural Landscape**

| S.N. | Forest Division | Site | Area (ha) | No. of Plants Planted | Species Planted |
|---|---|---|---|---|---|
| 1 | Patna | N.M.C.H. Agamkuan | 6.00 | 600 | Mango, Neem, Jamun, Peepal, Bargad, Gamhar, Imli, Arjun, Harre & Bahera |
| | | Jagdamba sthan khushrupur & Fatuhan | 9.00 | 900 | |
| | | Gangapul Phunch Path, Digha | 10.00 | 1000 | |
| | | Pataliputra Colony & Park | 5.00 | 500 | |
| | | Danapur Cant se Maner | 8.33 | 833 | |
| | | Danapur Cant Area | 8.17 | 817 | |
| | | B.S. Colony | 3.00 | 300 | |
| | | Pandarak Thana se Durga Mandir Pandarak | 3.00 | 300 | |
| | | Bharat Vaygan Link Path se Mokama Railway Station Tak | 1.50 | 150 | |
| | | Anchal se Prakhand Karyalay, Mokama tak Path ke Dono Taraf | 1.50 | 150 | |
| | | Shahvejpur (Mokama se Mokama Ghat tak) | 3.00 | 300 | |
| | | Mokama Ghat se S.R.P.F. Cump Mokama | 1.50 | 150 | |
| 2 | Munger | Barmani To Barmasia | 5.00 | 1500 | |
| 3 | Vaishali | Rly Colony Hajipur, Near Ramashish Chowk | 1.59 | 478 | |
| | | Hajipur Harauli Path Tat | 3.00 | 900 | |
| | | Bus Stand , Lalganj To Vaishali Bypass Road | 1.50 | 150 | |
| | | Ganga Bridge To Ramashish Chock | 4.50 | 450 | |
| | | Hajipur Industrial Area (Part-1) | 2.30 | 230 | |
| 4 | Bhagalpur | Raghopur To Koji Koraiya Ganga Bandh | 20.00 | 6000 | |
| | | Jagatpur To Dhruvganj Tulsipur | 6.00 | 1800 | |
| | | Kastikari To Chandan Nadi Bandh(Badua Nadi Bandh) | 12.00 | 6000 | |
| 5 | Begusarai | Panchvir To Bahloria | 4.00 | 1200 | |
| | | Godargama To Vrindavan | 6.00 | 1800 | |
| | | Joram To Khatopur (Gupta Ring Bandh) | 20.00 | 10000 | |
| | | N.H-31, Khagaria Bus Stand To Permanand Pur Dhalla | 4.00 | 400 | |
| | | Kasba To Rasiyahi Kachari Path | 4.00 | 1200 | |
| | | Dharmsala Chamatha To Chamatha Chakki | 2.00 | 600 | |
| | | Khagaria Protection Bandh | 2.00 | 600 | |
| | | Aguwani Ghat To Dumaria Sirajpur | 2.00 | 600 | |
| **Total** | | | **159.89** | **39908** | |

| Forestry Interventions for Ganga | | | | | |
|---|---|---|---|---|---|
| **Project: NMCG Ganga** | | | | | |
| **Plantation Year: 2017-2018** | | | | | |
| **Activity- Natural Landscape** | | | | | |
| **S.N.** | **Forest Division** | **Site** | **Area (ha)** | **No. of Plants Planted** | **Species Planted** |
| 1 | Patna | Gangapul Pahunch Path | 5.00 | 500 | **Mango, Neem, Jamun, Peepal, Bargad, Gamhar, Imli, Arjun, Harre & Bahera** |
| | | Bailey Road to Patliputra Station | 1.50 | 150 | |
| | | Railway Station Colony Khagaul | 3.00 | 300 | |
| | | Gurugovind Singh Hospital | 3.15 | 315 | |
| | | Bazar Samiti Didarganj | 1.35 | 135 | |
| | | Congress Maidan Barh | 3.00 | 300 | |
| | | Barh Thana Nagar Parisad to Alakhanath Ghat | 3.00 | 300 | |
| 2 | Vaishali | Jauhri Bazar to Konhar Ghat | 1.67 | 500 | |
| 3 | Munger | Nauwagadhi to Bariaarpur | 5.00 | 1500 | |
| | | Bariaarpur to Ghorghat | 8.35 | 2505 | |
| | | Nishta to Madhopur | 4.00 | 1200 | |
| 4 | Saran | Chhapra Manjhi Pat Tat -NH 19 Om Sai Colony To Inrai | 1.00 | 300 | |
| 5 | Bhojpur | Dhauri to lodipur | 20.00 | 10000 | |
| | | Sahar to Peur | 4.00 | 2000 | |
| 6 | Bhagalpur | Ekdara to Shermari Bazar | 30.00 | 9000 | |
| | | Kamarganj to Asiachak chowk | 20.00 | 6000 | |
| | | Anadipur to Bateshwar Sthan Path | 30.00 | 9000 | |
| | | N.H. 31 Katariya to Banyagram Koshi Bandh | 30.00 | 9000 | |
| | | Laxmipur to Tintanga Ganga Bandh | 20.00 | 6000 | |
| | | Ultapul to Jagdishpur | 40.00 | 12000 | |
| | | Nathnagar to Shahkund | 30.00 | 9000 | |
| | | Saidpur to Tintenga Road Side | 20.00 | 2000 | |
| 7 | Begusarai | NAREPUR BACHHAWARA RAILWAY GUMATI-22 TO AYODHA VILLAGE GUMATI-21 | 4.00 | 1200 | |
| | | MATHURA PUR CHOWK TO KOTIYA | 4.00 | 1200 | |
| | | SAKTI CHAURA TO LAKHMINIA BAZAR | 4.00 | 400 | |
| | | N.H-31, PERMANAND PUR DHALLA TO SHANSHAR PUR DHALLA | 4.00 | 400 | |
| | | KHAGARIA SADAR BLOCK COMPOUND | 5.00 | 500 | |
| **Total** | | | **305.02** | **85705** | |

## Forestry Interventions for Ganga

**Project: NMCG Ganga**

**Plantation Year: 2018-2019**

**Activity- Natural Landscape**

| S.N. | Forest Division | Site | Area (ha) | No. of Plants | Species Planted |
|---|---|---|---|---|---|
| 1 | BEGUSARAI | Narepur Bachwara Railway Gumti 22 to Ayodhya Gram Gumti 21 | 3.00 | 900 | Mango, Neem, Jamun, Peepal, Bargad, Gamhar, Imli, Arjun, Harre & Bahera |
| | | Narepur Bachwara Railway Gumti 22 to Ayodhya Gram Gumti 21 | 28.20 | 14100 | |
| | | Aguwani Ghat to Bharat Khand | 18.00 | 9000 | |
| 2 | MUNGER | Bariyarpur Bridge to Shampur Naka | 13.33 | 4000 | |
| | | Alinagar to Pokhrama via Madhopur | 6.67 | 2000 | |
| | | Rampur to Surjichak | 3.33 | 1000 | |
| 3 | BHAGALPUR | Ekchari to Hanuwara Border | 30.00 | 9000 | |
| | | Ghorghat to Sultanganj | 20.00 | 6000 | |
| | | Sultanganj to Nathnagar | 30.00 | 9000 | |
| | | Kahalgaon Bus Stand to Badal Sthan | 20.00 | 6000 | |
| | | Purani Rly line Latipur to Ganga Bridge | 10.00 | 3000 | |
| | | Kataria Rly Station to Simaria via Dumaria | 7.00 | 2100 | |
| | | Purani Kharne Nadi Bandh | 3.00 | 900 | |
| | | Bamangama to Lakshmipur | 25.00 | 7500 | |
| | | Nandlal to Barahat | 21.00 | 6300 | |
| | | Zero Mile to Nathnagar | 20.00 | 6000 | |
| | | Khairpur to Kadva Four Lane | 8.00 | 2400 | |
| 4 | GOPALGANJ | Nautan Thana to Bishunpur Bandh | 13.33 | 4000 | |
| 5 | SARAN | J.P. University Campus | 1.67 | 500 | |
| | | Rajendra Sarovar to Sadha | 1.00 | 300 | |
| | | Govindchak Mor to Pahleja Ghat | 1.67 | 500 | |
| | | Rivilganj Dhala to Manjhi | 4.00 | 2000 | |
| | | Dariyapur Railchakka factory to Nayagaon | 4.00 | 2000 | |
| 6 | PATNA | Danapur-Maner Path | 3.33 | 1000 | |
| | | NH-30 to Daulatpur | 1.67 | 500 | |
| | | Mamarkhabad Rly Halt to Gopkitta (Both side) | 1.67 | 500 | |
| | | NH-31 to Lemuabad Halt (Both side) | 1.67 | 500 | |
| 7 | VAISHALI | Lalganj Post office to Khanjahachak Road | 3.00 | 900 | |
| 8 | BHOJPUR | Bagaingola to Chaugai | 3.33 | 1000 | |
| | | Narbatpur Gram to Karmnasha Nadi Railway Pul | 10.00 | 5000 | |
| **Total** | | | **316.87** | **107900** | |

# "FORESTRY INTERVENTIONS FOR GANGA" IN BIHAR

**Project: NMCG Ganga**

**Plantation Year: 2018-2019**

**Activity : AGRICULTURAL LANDSCAPES**

| MODEL NO. | AL/P/02 | | |
|---|---|---|---|
| **Forest Division** | **Area (ha.)** | **No. of Plants** | **Species Planted** |
| AURANGABAD | 38.83 | 5824 | Mango, Neem, Jamun, Gamhar, Imli, Teak, Mahogany etc. |
| BEGUSARAI | 315.43 | 47315 | |
| BETTIAH | 121.96 | 18294 | |
| BHAGALPUR | 222.90 | 33435 | |
| BHOJPUR | 121.75 | 18262 | |
| GOPALGANJ | 59.30 | 8895 | |
| MITHILA | 34.67 | 5200 | |
| MOTIHARI | 39.95 | 5993 | |
| MUNGER | 111.45 | 16718 | |
| PATNA | 157.68 | 23652 | |
| PURNEA | 115.66 | 17349 | |
| ROHTAS | 51.52 | 7728 | |
| SAMASTIPUR | 35.75 | 5363 | |
| SARAN | 60.17 | 9025 | |
| SUPAUL | 39.67 | 5950 | |
| TIRHUT | 30.49 | 4574 | |
| VAISHALI | 71.54 | 10731 | |
| **TOTAL** | **1628.72** | **244308** | |

# "FORESTRY INTERVENTIONS FOR GANGA" IN BIHAR

**Project: NMCG Ganga**

**Plantation Year: 2018-2019**

**Activity : INSTITUTIONAL PLANTATION/GANGA VRIKSHAROPAN ABHIYAN**

| MODEL NO. | INSTITUTIONAL PLANTATION/GANGA VRIKSHAROPAN ABHIYAN | | |
|---|---|---|---|
| **Forest Division** | **Area (ha.)** | **No. of Plants** | **Species Planted** |
| AURANGABAD | 33.33 | 5000 | Mango, Neem, Jamun, Gamhar, Imli, Teak, Mahogany etc. |
| BEGUSARAI | 46.67 | 7000 | |
| BETTIAH | 26.67 | 4000 | |
| BHAGALPUR | 46.67 | 7000 | |
| BHOJPUR | 46.67 | 7000 | |
| GOPALGANJ | 44.27 | 6640 | |
| MITHILA | 21.33 | 3200 | |
| MOTIHARI | 33.43 | 5015 | |
| MUNGER | 57.73 | 8660 | |
| PATNA | 47.33 | 7100 | |
| PURNEA | 31.33 | 4700 | |
| ROHTAS | 33.33 | 5000 | |
| SAHARSA | 33.33 | 5000 | |
| SAMASTIPUR | 26.67 | 4000 | |
| SARAN | 28.40 | 4260 | |
| SUPAUL | 26.80 | 4020 | |
| TIRHUT | 15.81 | 2372 | |
| VAISHALI | 47.00 | 7050 | |
| **TOTAL** | **646.78** | **97017** | |

## Forestry Interventions for Ganga

**Project: NMCG Ganga**

**Plantation Year: 2019-2020**

**Activity- Natural Landscape**

| S.N. | Forest Division | Site | Area (ha) | No. of Plants | Species Planted |
|---|---|---|---|---|---|
| 1 | BHOJPUR | Bihta Purvi English | 100.00 | 62500 | Mango, Neem, Jamun, Peepal, Bargad, Gamhar, Imli, Arjun, Harre & Bahera |
| 2 | BEGUSARAI | Panchveer to Sahebpur kamaal Block office | 2.00 | 600 | |
| 3 | SUPAUL | Tharbitiya to BhaBhawani Tak | 3.33 | 1000 | |
| | | Bhabhawani to BusBitti Tak | 3.33 | 1000 | |
| | | Kunauli to Nirmali Path Kosi Bandh Tak | 3.33 | 1000 | |
| | | Kosi Bandh Sanpatha to Dighiya Tak | 5.00 | 1500 | |
| 4 | MUNGER | Gadhirampur to Rishikund Path | 7.33 | 2200 | |
| | | Sitakund to Ramdiri Path | 1.00 | 300 | |
| | | Salaunachak to Rehua | 3.33 | 1000 | |
| | | Murbariya to Lal Diyara | 5.00 | 1500 | |
| | | Dakranala Rampur to Hasanganj | 5.60 | 3500 | |
| 5 | SARAN | Durgapur to Manjhi High School Tak | 2.67 | 800 | |
| | | Sughar Chapara to Madipur Tak | 5.00 | 1500 | |
| | | Domai Garh to Phulwariya tajpur | 3.33 | 1000 | |
| | | Dumari to Dumai Garh | 12.80 | 8000 | |
| 6 | VAISHALI | Mayaram Hat (Bidupur) to Mohanpur Kajipatti (Chaksikandar) | 1.67 | 500 | |
| | | Amrithat to Khajchak | 1.67 | 500 | |
| | | Lahladpur to Ramdauli Gandak Bandh tak | 9.60 | 6000 | |
| 7 | BHAGALPUR | Pirpainti to Bakharpur Path | 10.00 | 3000 | |
| | | Pirpainti to Mishratola Hajipur Path | 6.67 | 2000 | |
| | | Salempur to Nandlalpur | 5.00 | 1500 | |
| | | Pargadhi to Raipura | 6.67 | 2000 | |
| | | Siyargadh to Dhankund | 6.67 | 2000 | |
| | | Sultanganj to Udhadih | 5.00 | 1500 | |
| | | Pachrukhi to Dariyapur | 5.00 | 1500 | |
| | | Nawada to Ranipur Baisa Nahar Tat | 32.00 | 20000 | |
| | | Nandlalpur to Nawada via Panchwati | 19.20 | 12000 | |
| | | Kaliprasad to Kathariya | 12.80 | 8000 | |
| **Total** | | | **285.00** | **147900** | |

| "FORESTRY INTERVENTIONS FOR GANGA" IN BIHAR | | | |
|---|---|---|---|
| List of Activities for FY 2019-20 | | | |
| Project: NMCG Ganga | | | |
| Plantation Year: 2019-2020 | | | |
| Activity : AGRICULTURAL LANDSCAPES | | | |
| FORESTRY INTERVENTION | AGRICULTURAL LANDSCAPES | | |
| MODEL NO. | AL/P/02 | | |
| Forest Division | Area (ha.) | No. of Plants | Species Planted |
| AURANGABAD | 7.67 | 1150 | Mango, Neem, Jamun, Gamhar, Imli, Teak, Mahogany etc. |
| BEGUSARAI | 46.67 | 7000 | |
| BETTIAH | 0.00 | 0 | |
| BHAGALPUR | 46.67 | 7000 | |
| BHOJPUR | 46.67 | 7000 | |
| GOPALGANJ | 16.67 | 2500 | |
| MITHILA | 33.33 | 5000 | |
| MOTIHARI | 33.33 | 5000 | |
| MUNGER | 80.00 | 12000 | |
| PATNA | 30.00 | 4500 | |
| PURNEA | 33.33 | 5000 | |
| ROHTAS | 33.33 | 5000 | |
| SAHARSA | 25.33 | 3800 | |
| SAMASTIPUR | 26.67 | 4000 | |
| SARAN | 0.00 | 0 | |
| SUPAUL | 26.67 | 4000 | |
| TIRHUT | 26.67 | 4000 | |
| VAISHALI | 46.67 | 7000 | |
| TOTAL | 559.67 | 83950 | |

# "FORESTRY INTERVENTIONS FOR GANGA" IN BIHAR

**Project: NMCG Ganga**

**Plantation Year: 2019-2020**

**Activity : INSTITUTIONAL PLANTATION**

| MODEL NO. | INSTITUTIONAL PLANTATION | | |
|---|---|---|---|
| Forest Division | Area (ha.) | No. of Plants | Species Planted |
| AURANGABAD | 7.00 | 1050 | Mango, Neem, Jamun, Gamhar, Imli, Teak, Mahogany etc. |
| BEGUSARAI | 33.33 | 5000 | |
| BETTIAH | 13.33 | 2000 | |
| BHAGALPUR | 66.67 | 10000 | |
| BHOJPUR | 46.67 | 7000 | |
| GOPALGANJ | 16.67 | 2500 | |
| MITHILA | 40.00 | 6000 | |
| MOTIHARI | 40.00 | 6000 | |
| PATNA | 36.67 | 5500 | |
| PURNEA | 33.33 | 5000 | |
| ROHTAS | 33.33 | 5000 | |
| SAHARSA | 19.97 | 2995 | |
| SAMASTIPUR | 26.67 | 4000 | |
| SUPAUL | 40.00 | 6000 | |
| TIRHUT | 53.33 | 8000 | |
| VAISHALI | 46.83 | 7024 | |
| TOTAL | **554** | **83069** | |