

# 45199

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL,  
PRINCIPAL BENCH, NEW DELHI  
Original Application No. 200/2014  
(I.A. No. 340/2022, M.A. Nos. 480/2018, 872/2018 & 875/2014)

In the matter of: -

M.C. Mehta

Applicant(s)

Versus

Union of India & Ors.

Respondent(s)

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Filed by Advocate Suman Arora  
On behalf of Central Pollution Control Board

Place: Delhi

Dated: 28.01.2026

## COMPLIANCE REPORT ON BEHALF OF CPCB IN COMPLIANCE TO HON'BLE NGT ORDER DATED 15.12.2025 IN THE MATTER OF M.C. MEHTA VS UNION OF INDIA & ORS., O.A. NO. 200/2014

The Hon'ble NGT in its order dated 15.12.2025 in the above mentioned matter has directed the following:

*“... 8. We have also referred to the report of the CPCB dated 19.03.2025 (page 41029) on record and found six drains (Two in Sahibganj and four in Raj Mahal) are tapped and that Jharna nallah was bypassing sewage. It was also disclosed that 3.5 MLD STP operated for Raj Mahal and 12 MLD plant (5.0 MLD and 7.0 MLD) established at Sahibganj were complying. However, actual utilization of capacity of STPs and 100% household connections to sewers has not been disclosed. Further, median values are given for water quality of Ganga, therefore, we direct CPCB to disclose monthly water quality monitoring data at four locations. CPCB is, therefore, directed to file next report responding to the above observations.”*

A copy of the order is placed at **Annexure I**. In compliance to the above mentioned NGT order, the updated district wise status of 06 drains, 03 sewage treatment plants (STPs) and water quality of River Ganga at 04 locations in the state of Jharkhand has been provided hereunder.

### **A. Status of Drains located in the state of Jharkhand**

CPCB conducted monitoring of 06 drains discharging directly into river Ganga in Jharkhand from Sahibgunj district during Pre-monsoon 2025. During monitoring all the drains were found tapped and diverted to various STPs. The Jharna Nala and Gopalpul Nala were found to be flooded due to rise in water level of River Ganga.

The detailed status of drains is given in **Annexure II**.

**B. Status of Sewage Management in Ganga front towns in Jharkhand**

There are 03 STPs located in 02 Ganga front towns having designed capacity of 15.5 MLD in the state of Jharkhand. As per CPCB monitoring carried out during April-July,2025, out of these 03, only 1 STP having operational capacity of 3.5 MLD and utilized capacity of 2 MLD was found operational (57.14% of operational capacity). However, the STP was found non-complying w.r.t. Faecal coliform w.r.t. treated sewage discharge norms notified by Ministry of Environment Forests & Climate Change (MoEF & CC) dated 13.10.2017. Two STPs in Sahebganj town (Operational capacity-12 MLD) were found non-operational as Sahibganj town was heavily flooded, and most of the colonies and roads were submerged. As a result, floodwater was flowing over large sections of the sewer network, manholes, and around the STPs and SPSs. The detailed status of STPs is placed at **Annexure III**. The status of these STPs was intimated to Jharkhand Urban Development Infrastructure Company Ltd. vide letter dated 30.10.2025 to direct the concerned agencies for taking appropriate action. A copy of the letter is placed at **Annexure IV**.

With reference to 100% household connections to sewers, it is submitted that house hold connection of sewers does not fall under the purview of CPCB and is the responsibility of the local bodies. However, vide letter dated 27.01.2026 CPCB has requested District Administration, Sahibganj, Jharkhand to disclose the status of household sewer connectivity and action plan to ensure 100% connectivity of sewage network in order to restrict any kind of discharge of untreated sewage into River Ganga. Copy of letter is attached as **Annexure V**.

**C. Status of water quality of River Ganga in Jharkhand**

Manual water quality monitoring of river Ganga is carried out at 04 locations under National Water Quality Monitoring Programme (NWMP) in Jharkhand through Jharkhand State Pollution Control Board on fortnightly basis. River water quality is assessed for notified primary water quality criteria for bathing

water w.r.t parameters pH (6.5-8.5), Dissolved Oxygen (DO) ( $\geq 5$  mg/l), Biochemical Oxygen Demand (BOD) ( $\leq 3$  mg/l), Faecal Coliforms (FC) ( $\leq 2500$  MPN/100 ml) and Faecal Streptococci (FS) ( $\leq 500$  MPN/100 ml) which is given in Table 1 below.

Monthly water quality data of pH, DO, BOD, FC and FS. from January to September 2025 (raw data) is given at **Annexure VI**.

**Table 1. PRIMARY WATER QUALITY CRITERIA FOR BATHING WATER**  
(Water used for organized outdoor bathing)

CRITERIA		RATIONALE
1. Faecal Coliform (MPN/100 ml)	500 (desirable) 2500 (Maximum permissible)	To ensure low sewage contamination. Faecal coliform and faecal streptococci are considered as they reflect the bacterial pathogenicity.
2. Faecal Streptococci (MPN/100 ml)	100 (desirable) 500 (Maximum Permissible)	The desirable and permissible limits are suggested to allow for fluctuation in environmental conditions such as seasonal change, changes in flow conditions etc.
3. pH	Between 6.5-8.5	The range provides protection to the skin and delicate organs like eyes, nose, ears etc. which are directly exposed during outdoor bathing.
4. Dissolved Oxygen (mg/L)	5 mg/L or more	The minimum dissolved oxygen concentration of 5 mg/l ensures reasonable freedom from oxygen consuming organic

		pollution immediately upstream which is necessary for preventing production of anaerobic gases (obnoxious gases) from sediment.
5. Biochemical Oxygen Demand (3 <sup>rd</sup> day, at 27°C) (mg/L)	3 mg/L or less	The Biochemical Oxygen Demand of 3 mg/l or less of the water ensures reasonable freedom from oxygen demanding pollutants and prevent production of obnoxious gases".



**(Dinabandhu Gouda)**  
Scientist 'F'  
Central Pollution Control Board  
28.01.2026

Item No. 19

Court No. 1

**BEFORE NATIONAL GREEN TRIBUNAL  
PRINCIPAL BENCH, NEW DELHI**

Original Application No. 200/2014  
(I.A. No 340/2022, MA Nos. 480/2018,  
872/2018 & 875/2014)

M C Mehta

Applicant

Versus

Union of India &amp; Ors.

Respondent(s)

Date of hearing: 15.12.2025

**CORAM: HON'BLE MR. JUSTICE PRAKASH SHRIVASTAVA, CHAIRPERSON  
HON'BLE DR. A. SENTHIL VEL, EXPERT MEMBER**

Applicant: Ms. Katyayni, Advocate

Respondents: Mr. Kumar Anurag Singh, Adv. for the State of Jharkhand (Through VC)  
Mr. Gigi. C. George, Adv. for NMCG  
Ms. Suman Arora, Adv. for CPCB  
Mr. Jayesh Gaurav, Ms. Diksha Ojha and Mr. Ishwar Chandra Roy, Advs.  
for Jharkhand SPCB

**ORDER**

1. Learned counsel appearing for the State of Jharkhand submits that the compliance affidavit on behalf of the Secretary, Forest, Environment and Climate Change Department, Government of Jharkhand has been filed on the previous Friday. Since it has been filed after 3.00 PM of the previous working day of the Tribunal, therefore, it has not come on record. The Registry is directed to examine and place it on record.

2. Learned counsel appearing for the Applicant submits that an advance copy of this compliance affidavit was supplied to her and on perusal thereof she has found that rivers Katri, Vasudev and Joriya have been treated as Nallahs and they are proposed to be tapped and diverted to the proposed STP. She has further submitted that for this work a DPR

has been cleared by the NMCG and a fund of Rs. 800.833 crores have been sanctioned by the NMCG. She has submitted that the entire amount spent on tapping the river will go waste as the rivers cannot be tapped and diverted to the STP. She has further submitted that the NMCG is permitting tapping of the rivers treating them to be nallahs not only in the State of Jharkhand but also in the State of Uttar Pradesh.

3. Learned counsel appearing for the NMCG has referred to paragraph 16 of the reply affidavit of the NMCG dated 22.11.2025 which states as under:-

“xxx

xxx

xxx

*16. That, with respect to the observation of the Hon'ble NGT that in Dhanbad Municipal area, Katri and Vasudev rivers and Joriya nallah are rivers but treated as drain, it is pertinent to mention that as per Project Manager, JUIDCO Ltd, Vasudev and Katri are classified as rivers and Joriya as a nallah. While first two are rivers, the interception of their polluted flows are necessitated due to the existing waste water contribution from the upstream settlements. The comprehensive two-phase sewerage plan ensures both immediate interception of polluted flows (Phase-1) and long-term elimination of sewage inflow into rivers through a dedicated sewerage network (Phase-II).”*

4. Learned counsel appearing for the NMCG has pointed out the explanation furnished by the Jharkhand Urban Infrastructure Development Company Limited (JUIDCO) clearly mentioning that rivers Katri and Vasudev are classified as rivers but due to inflow of waste water in these rivers they have become like nallahs.

5. The NMCG is required to clarify as to how, inspite of knowing the fact that Katri and Vasudev are rivers, the DPR has been sanctioned for tapping these rivers. It is also required to clarify whether it is in the scheme of the NMCG to tap and divert the rivers which have sewage load.

6. Section 24 (2) (j) of the Water Act, 1974 defines ‘stream’ to include a water course, whether flowing or dry. It is, thus clear that storm water

drains fall in the definition of 'stream' whether manmade or natural. Hence, the water quality norms required for river water, are also applicable to storm water drain. Therefore, tapping of either river or storm water drain is violation of environmental norms. Further, tapping of river or natural drain would affect the flow and alter the nature of drain and river.

7. Therefore, NMCG is further required to clarify whether the fact disclosed by the JUIDCO that Joriya is classified as nallah was verified by them and also ascertain, if Joriya is a river or a nallah. Learned counsel appearing for the NMCG seeks four weeks' time to file the additional affidavit to clarifying the above aspects.

8. We have also referred to the report of the CPCB dated 19.03.2025 (page 41029) on record and found six drains (Two in Sahibganj and four Raj Mahal) are tapped and that Jharna nallah was bypassing sewage. It was also disclosed that 3.5 MLD STP operated for Raj Mahal and 12 MLD plant (5.0 MLD and 7.0 MLD) established at Sahibganj were complying. However, actual utilization of capacity of STPs and 100% household connections to sewers has not been disclosed. Further, median values are given for water quality of Ganga, therefore, we direct CPCB to disclose monthly water quality monitoring data at four locations. CPCB is, therefore, directed to file next report responding to the above observations.

9. List on 29.01.2026.

Prakash Shrivastava, CP

Dr. A. Senthil Vel, EM

December 15, 2025  
Original Application No. 200/2014  
(I.A. No 340/2022, MA Nos. 480/2018,  
872/2018 & 875/2014)  
A

## Details of Jharkhand's drains (Pre monsoon 2025)

Sl. No.	Name of Drain	District	City/Towns in Catchment /nearby	State	Pollution Sources (Domestic/ Mixed/ Industrial/any other)	Confluence to River	Order of drain	Latitude (Sampling location)	Longitude (Sampling location)	Status	Tapped/ Untapped	Remarks
1	Gopalpul Nallah	Sahebganj	Sahebganj	Jharkhand	Domestic	Ganga	first	25.242333N	87.626044E	Flooded	Tapped	Drain is flooded due to rise in water level of Ganga
2	Jharna Nallah	Sahebganj	Sahebganj	Jharkhand	Domestic	Ganga	first	25.247771 N	87.642229 E	Flooded	Tapped	Drain is flooded due to rise in water level of Ganga
3	Ferry Ghat Drain	Sahebganj	Rajmahal	Jharkhand	Domestic	Ganga	first	25.054900 N	87.83615 E	Tapped	tapped	Drain is tapped and diverted to Rajmahal STP
4	Kasim Bazar Drain	Sahebganj	Rajmahal	Jharkhand	Domestic	Ganga	first	25.055391N	87.829839E	Tapped	tapped	Drain is tapped and diverted to Rajmahal STP
5	Mahajontoli Drain	Sahebganj	Rajmahal	Jharkhand	Domestic	Ganga	first	25.056812 N	87.825583 E	Tapped	tapped	Drain is tapped and diverted to Rajmahal STP
6	Nilkothi Drain	Sahebganj	Rajmahal	Jharkhand	Domestic	Ganga	first	25.057391N	87.827913 E	Tapped	tapped	Drain is tapped and diverted to Rajmahal STP

**Status of Sewage Treatment Plants in Jharkhand (April 2025- July 2025)**

- Commissioned STPs - 03 (02 towns) with designed capacity – 15.5 MLD
- Operational STPs – 01 (Operational capacity – 3.5 MLD) with Utilized capacity – 2.0 MLD (~57.14% of operational capacity)
- Compliance Status of operational STPs

	Compliance w.r.t. Hon'ble NGT prescribed norms vide order 30.04.2019	Compliance Status w.r.t MoEF&CC notified norms dated 13.10.2017
Complying	0	0
Non-complying	1	1

- Non-operational STPs – 02 (Designed capacity – 12 MLD)
  - Two STPs in Sahebganj town was found non-operational as Sahebganj town has been heavily flooded, and most of the colonies and roads are submerged. As a result, floodwater is flowing over large sections of the sewer network, manholes, and around the STPs and SPSs. In view of this, and considering safety issues, the STP unit has been shut down since 11.08.2025.
- STPs complying for Faecal Coliform norms (230 MPN/100ml) – 00
- STPs non-complying for Faecal Coliform norms (>230 MPN/100ml) – 01
- BOD removal efficiency in percentage (<50=0, >50-70=0, >70-90=0, >90=1)
- The Rajmahal STP was working under designed capacity (<75% of designed capacity)

**Operational and compliance status of Sewage Treatment Plants in Jharkhand**

S. No.	Name of STPs	Ganga Front Town	Treatment Technology	Designed Capacity (MLD)	Utilized capacity (MLD)	Date of Monitoring	Operational/Non-Operational Status	Compliance Status w.r.t Hon'ble NGT norms dated 30.04.2019 & Non-Complying parameter	Compliance w.r.t. MoEF&CC norms dtd 13.10.2017
1.	Rajmahal (3.5 MLD)	Rajmahal	SBR	3.5	2	12.08.2025	Operational	Non-compliance FC	Non-compliance
2.	Talbanna	Sahebganj	SBR	5	NA	13.08.2025	Non-Operational	-	-
3.	Channan, Kabutar Khopi	Sahebganj	SBR	7	NA	13.08.2025	Non-Operational	-	-

**STPs complying to BOD norms (≤10 mg/l) in Jharkhand (April, 2025 to July, 2025) w.r.t. NGT and MoEF&CC norms**

S. No.	Name of STP	Ganga Front Town	Designed Capacity (MLD)	BOD≤10 mg/l
1.	Rajmahal (3.5 MLD)	Rajmahal	3.5	1

**STPs complying to COD norms (≤50 mg/l) in Jharkhand (April, 2025-July, 2025) w.r.t. NGT norms**

S. No.	Name of STP	Ganga Front Town	Designed Capacity (MLD)	COD≤10 mg/l
1.	Rajmahal (3.5 MLD)	Rajmahal	3.5	20

**STPs complying to TSS norms (<20 mg/l) in Jharkhand (April, 2025-July, 2025)) w.r.t. NGT & MoEF&CC norms**

S. No.	Name of STP	Ganga Front Town	Designed Capacity (MLD)	TSS<20 mg/l
1.	Rajmahal (3.5 MLD)	Rajmahal	3.5	6

**STPs complying to Fecal Coliform norms (>1000MPN/100 ml) in Jharkhand (April, 2025-July, 2025) w.r.t. NGT & MoEF&CC norms**

S. No.	Name of STP	Ganga Front Town	Designed Capacity (MLD)	>1000 MPN/100 ml
1.	Rajmahal (3.5 MLD)	Rajmahal	3.5	1100

**STPs having Disinfection System**

S. No.	Name of STP	Ganga Front Town	Treatment Technology	Designed Capacity (MLD)	Disinfection Technology
1.	Rajmahal (3.5 MLD)	Rajmahal	SBR	3.5	Chlorination
2.	Talbanna	Sahebganj	SBR	5	Chlorination
3.	Channan,Kabutar Khopi	Sahebganj	SBR	7	Chlorination

**STPs working below capacity (<75% of designed capacity)**

S. No.	Name of STP	Ganga Front Town	Treatment Technology	Designed Capacity (MLD)	Utilized capacity (MLD)	Compliance status w.r.t. Hon'ble NGT norms dated 30.04.2019	Compliance w.r.t. MoEF&CC norms dtd 13.10.2017
1.	Rajmahal (3.5 MLD)	Rajmahal	SBR	3.5	2	Non-compliance	Non-compliance

**BOD removal efficiency range in percentage**

STATES	<=50	>50-70	>70-90	>90	Non operational	Total
<b>Jharkhand</b>	0	0	0	1	2	<b>03</b>

NGT Standards: Compliance based on norms prescribed by Hon'ble NGT vide order dt 30.04.2019 in the matter of OA no. 1069/2018 (pH – 5.5-9.0, BOD -10mg/l, TSS- 20mg/l, COD- 50mg/l; Faecal Coliform – desirable - 100MPN/100ml & permissible - 230 MPN/100 ml, Nitrogen-Total - 10 mg/l and Phosphorous-Total - 1.0 mg/l (TP compliance for discharge into ponds and lakes)

Compliance compared with MoEF&CC notification dt. 13.10.2017 : Standard for treated sewage from STPs for cities other than metro cities, state capitals and union territories were notified as pH-6.5-9.0 anywhere in country, BOD as 30mg/L (For Metros & State Capitals# 20 mg/l), Total suspended solids (TSS) as less than 100mg/L (For metros and state capitals# <50 mg/l) and Faecal coliform as less than 1000 MPN per 100mL anywhere in country.



45210

केन्द्रीय प्रदूषण नियंत्रण बोर्ड

Annexure- IV

CENTRAL POLLUTION CONTROL BOARD

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार.

MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE, GOVT. OF INDIA.

Speed Post/Email

F. No. PJ-14012(12)/7/2021-WQM-II-HO-CPCB-HO

Dated: 30<sup>th</sup> Oct, 2025

To,

The Managing Director,  
Jharkhand Urban Development Infrastructure-  
Company Limited (JUIDCO),  
Pragati Sadan (RRDA Building)  
3rd Floor, Kutchery Chowk,  
Ranchi- 834001 (Jharkhand).

**Subject: Status of Sewage Treatment Plants in Ganga front towns of Uttar Pradesh -reg.**

Sir,

Central Pollution Control Board (CPCB) carries out monitoring of Sewage treatment plants (STPs) located in towns along the river Ganga on tri-annual basis. Based on the monitoring carried out during April to July 2025, the performance of 3 STPs located in 2 towns in Sahebganj district of Jharkhand, were evaluated and only 1 STP was operational and 02 STPs were non-operational due to flooding in Sahebganj town. The operational STP was found non-complying.

Further, the 1 operational STP was operating at less than 75 percent of their design capacity and achieved BOD removal efficiency greater than 90 percent. It is also worth mentioning that disinfection system is installed at all 03 STPs and the 1 operational STP found non-complying with the norms for faecal coliform ( $\leq 230$  MPN/100 ml). A detailed status report of the monitored STPs is enclosed as Annexure-I for your reference.

In view of above, it is requested to direct the concerned agencies to address issues of non-compliance, non-operation, under-capacity utilization, poor BOD removal efficiency, and optimization of disinfection systems etc. in the STPs. Action taken report in this regard may be forwarded to this office within 30 days of receipt of the letter.

Yours faithfully,

(Dinabandhu Gouda)

Director &

Divisional Head, WQM-II

Encl.: As above 'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली - 110032.

Parivesh Bhawan, East Arjun Nagar, Delhi - 110 032.

दूरभाष /Tel : 43102030, 22305792, वेबसाइट /Website: www.cpcb.nic.in



45211

केन्द्रीय प्रदूषण नियंत्रण बोर्ड

CENTRAL POLLUTION CONTROL BOARD

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार.

MINISTRY OF ENVIRONMENT, FOREST &amp; CLIMATE CHANGE, GOVT. OF INDIA.

स्पीड पोस्ट / ई-मेल

फ़ाइल संख्या: PJ-16099/12/2025-WQM-II-HO-CPCB-HO

दिनांक: 27.01.2026

सेवा में,

उपायुक्त, साहिबगंज,

कलेक्ट्रेट बिल्डिंग (समाहरणालय), साहिबगंज, झारखंड

विषय: साहिबगंज जिले में स्थित 03 STP में सीवर नेटवर्क कनेक्टिविटी सुनिश्चित करने के संबंध में।

महोदय,

केन्द्रीय प्रदूषण नियंत्रण बोर्ड द्वारा साहिबगंज जिले में स्थित तीनों STPs की निगरानी साल में तीन बार की जाती है और प्रायः यह देखा गया है कि तीनों STP का उपयोग उनकी स्थापित क्षमता के अनुसार नहीं हो रहा है। इसका मुख्य कारण STP को जोड़ने वाले उचित नेटवर्क की कमी एवं 100% घरों का सीवर कनेक्शन न होना है। जिसका संज्ञान माननीय नेशनल ग्रीन ट्रिब्यूनल ने मामला एमसी मेहता बनाम यूनियन ऑफ इंडिया और अन्य, OA No.: 200/2014 (I.A. No. 340/2022, M.A No. 480/2018, 872/2018 और 875/2014) के order दिनांक 12.12.2025 में भी लिया गया है जिसमें कहा गया है कि

*“ We have also referred to the report of the CPCB dated 19.03.2025 (page 41029) on record and found six drains (Two in Sahibganj and four Raj Mahal) are tapped and that Jharna nallah was bypassing sewage. It was also disclosed that 3.5 MLD STP operated for Raj Mahal and 12 MLD plant (5.0 MLD and 7.0 MLD) established at Sahibganj were complying. However, actual utilization of capacity of STPs and 100 % household connections to sewers has not been disclosed”.*

इस संबंध में, यह निर्देशित किया जाता है कि एसटीपी की क्षमता का कितना वास्तविक उपयोग हो रहा है और सीवर लाइन से कितने प्रतिशत घरों के कनेक्शन जोड़ दिये गए हैं, की जानकारी उपलब्ध करवाएं एवं इस संबंध में कोई कार्य योजना है, तो कृपया उसे सीपीसीबी के साथ साझा करें। अपेक्षित है कि साहिबगंज जिले में स्थित तीनों STP के लिए 100% सीवेज नेटवर्क कवरेज करने और गंदे पानी को सीधे गंगा नदी में बहने से रोकने हेतु आवश्यक कार्यवाही के लिए संबंधित विभाग को निर्देशित करें।

उपरोक्त पर उपलब्ध कराई गई सूचना को माननीय नेशनल ग्रीन ट्रिब्यूनल से साझा किया जाएगा, अतः इस संबंध में की गई कार्यवाही की जानकारी 15 दिनों के भीतर सीपीसीबी को प्रेषित करने का कष्ट करें।

भवदीय

(दीनाबंधु गौड़ा)

निदेशक

जल गुणवत्ता प्रबंधन-II

‘परिवेश भवन’ पूर्वी अर्जुन नगर, दिल्ली - 110032.

Parivesh Bhawan, East Arjun Nagar, Delhi - 110 032.

दूरभाष /Tel : 43102030, 22305792, वेबसाइट/Website: www.cpcb.nic.in

## Water quality data of river Ganga-Jharkhand, 2025 (January to September)

## Raw Water quality data- Jharkhand (pH)

Station Code	Station name	Jan		Feb		Mar		Apr		May		June		July		Aug		Sept	
		I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
10144	U/S NEAR LCT GHAT	7.6	7.5	7.5	7.4	7.5	7.4	7.6	7.6	7.6	7.4	7.6	7.5	7.6	7.4	6.8	7.6	6.8	6.8
10145	NEAR JANTA GHAT D/S	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.4	7.5	7.4	7.5	7.6	7.5	7.6	6.7	7.5	6.7	6.7
1059	RAJMAHAL	7.5	7.4	7.4	7.2	7.4	7.5	7.5	7.5	7.5	7.3	7.5	7.5	7.4	7.4	6.7	7.5	6.7	6.7
10146	SANGI DALAN	7.6	7.6	7.5	7.3	7.5	7.66	7.6	7.6	7.6	7.4	7.6	7.6	7.5	7.5	6.7	7.6	6.7	6.7

## Water quality data- Jharkhand (DO)

Station Code	Station name	Jan		Feb		Mar		Apr		May		June		July		Aug		Sept	
		I	II	I	II	I	II	I	II	I	II								
10144	U/S NEAR LCT GHAT	7.1	7.4	7.2	7.2	7.1	8.2	8.3	8.2	8.2	7.8	8.1	7.8	8.2	7.6	7.2	7	7.3	7.4
10145	NEAR JANTA GHAT D/S	7.3	7.3	7.3	7.3	7.2	8.4	8	8.1	8	7.9	8.2	7.7	7.9	7.5	7	7.1	7.1	7.2
1059	RAJMAHAL	7.4	7.5	7.4	7.1	7.3	8.2	8.2	8.2	8.1	7.9	8.2	7.8	8	7.6	7	7.1	7.1	7.2
10146	SANGI DALAN	7.2	7.2	7.2	7.1	7.1	8	8	8.1	8.2	7.8	8.3	7.7	8.1	7.5	7.1	7	7	7

## Water quality data- Jharkhand (BOD)

Station Code	Station name	Jan		Feb		Mar		Apr		May		June		July		Aug		Sept	
		I	II	I	II	I	II	I	II	I	II								
10144	U/S NEAR LCT GHAT	1.3	1.3	1.4	1.4	1.3	1.3	1.3	1.2	1.4	1.2	1.4	1.3	1.4	1.2	1.2	1.1	1.2	1.2

10145	NEAR JANTA GHAT D/S	1.2	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.3	1.3	1.3	1.2	1.3	1.1	1.1	1.3	1.4	1.2
1059	RAJMAHAL	1.1	1.2	1.1	1.2	1.2	1.1	1.1	1.1	1.2	1.1	1.2	1.3	1.2	1.3	1.1	1.4	1.1	1.1
10146	SANGI DALAN	1.2	1.2	1.1	1.2	1.2	1.2	1.1	1.1	1.2	1.1	1.2	1.3	1.2	1.2	1.1	1.1	1.2	1.1

### Water quality data- Jharkhand (FC)

Station Code	Station name	Jan		Feb		March		April		May		June		July		Aug		Sept	
		I	II	I	II	I	II	I	I	I	II	I	II	I	II	I	II	I	II
10144	U/S NEAR LCT GHAT	34	27	17	21	-	-	-	-	-	-	-	79	94	120	140	210	79	48
10145	NEAR JANTA GHAT D/S	22	34	14	21	-	-	-	-	-	-	-	49	79	120	110	170	240	179
1059	RAJMAHAL	33	17	27	32	-	-	-	-	-	-	-	27	33	94	79	170	120	79
10146	SANGI DALAN	26	27	21	22	-	-	-	-	-	-	-	79	49	70	130	120	130	110

### Water quality data- Jharkhand (FS)

Station Code	Station name	Jan		Feb		Mar		Apr		May		June		July		Aug		Sept	
		I	II	I	II	I	II	I	II	I	II								
10144	U/S NEAR LCT GHAT	22	17	8	12	-	-	-	-	-	-	-	2	2	3.7	1.8	6.1	5.6	4.5
10145	NEAR JANTA GHAT D/S	13	22	8	13	-	-	-	-	-	-	-	1.8	6.1	1.8	1.8	8.1	10	4
1059	RAJMAHAL	22	11	17	11	-	-	-	-	-	-	-	1.8	1.8	1.8	1.8	6	8.3	6.1
10146	SANGI DALAN	17	13	11	9	-	-	-	-	-	-	-	7.8	4	1.8	1.8	4	6.1	8.2

### Median value of p H,BOD,DO and Geometric Mean of FC &FS and range

Station Code	Station name	pH		DO (mg/l)		BOD (mg/l)		FC (MPN/100ml)		FS (MPN/100ml)	
		Median	Range	Median	Range	Median	Range	Geometric Mean	Range	Geometric Mean	Range
10144	U/S NEAR LCT GHAT	7.5	6.8-7.6	7.5	7-8.3	1.3	1.1-1.4	59.41	17-210	5.53	1.8-22
10145	NEAR JANTA GHAT D/S	7.5	6.7-7.6	7.4	7-8.4	1.3	1.1-1.4	64.62	14-240	5.97	1.8-22
1059	RAJMAHAL	7.4	6.7-7.5	7.55	7-8.2	1.15	1.1-1.4	50.26	17-170	5.52	1.8-22

# 45214

10146	SANGI DALAN	7.55	6.7-7.66	7.35	7-8.3	1.2	1.1-1.3	56.73	21-130	6.11	1.8-17
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