

Status of Sewage Treatment Plants in Ganga front towns of Jharkhand (April-July, 2023)

- Commissioned STPs - 3 (2 towns) with designed capacity – 15.5 MLD
- Operational STPs – 3 (Operational capacity -15.5 MLD) with Utilized capacity – 7.5 MLD (~48.4% of operational capacity)
- Compliance Status of operational STPs

	Compliance w.r.t. Hon'ble NGT vide order 30.04.2019	Compliance Status w.r.t MoEF&CC norms dated 13.10.2017
Complying	3	3
Non-complying	0	0

- Non-operational STPs – 00
- STPs complying for Faecal Coliform norms (<230 MPN/100ml) – 3
- STPs non-complying for Faecal Coliform norms (>230 MPN/100ml) –0
- STPs having Disinfection system– 3
- STPs operating under-capacity (<75% of designed) - 3 STPs

Operational and Compliance status of Sewage Treatment Plants in Jharkhand

S. No.	Name of STPs	Ganga Front Town	Treatment Technology	Designed Capacity (MLD)	Date of monitoring	Compliance Status w.r.t Hon'ble NGT norms dated 30.4.2019	Compliance w.r.t. MoEF&CC norms dtd 13.10.2017
1	Rajmahal (3.5 MLD)	Rajmahal	Sequential Batch Reactor	3.5	21.07.2023	Complying	Complying
2	Talbanna	Sahebganj	Sequential Batch Reactor	5	20.07.2023	Complying	Complying
3	Channan, Kabutar Khopi	Sahebganj	Sequential Batch Reactor	7	20.07.2023	Complying	Complying

- STPs complying to BOD Norms (<10mg/l) in Jharkhand (April-July, 2023) w.r.t. NGT norms dated 30.4.2019 and MoEF&CC norms dtd 13.10.2017

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	Outlet BOD (mg/l)
1	Rajmahal (3.5 MLD)	Rajmahal	3.5	2
2	Talbanna	Sahebganj	5	2
3	Channan, Kabutar Khopi	Sahebganj	7	2

- STPs complying to COD (≤50 mg/l) in Jharkhand (April-July, 2023) w.r.t. NGT norms dated 30.4.2019 and MoEF&CC norms dtd 13.10.2017

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	Outlet COD (mg/l)
1	Rajmahal (3.5 MLD)	Rajmahal	3.5	23
2	Talbanna	Sahebganj	5	23
3	Channan, Kabutar Khopi	Sahebganj	7	15

- STPs complying to TSS (≤ 20 mg/l) in Jharkhand (April-July, 2023) w.r.t. NGT norms dated 30.4.2019 and MoEF&CC norms dtd 13.10.2017

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	Outlet TSS (mg/l)
1	Rajmahal (3.5 MLD)	Rajmahal	3.5	12
2	Talbanna	Sahebganj	5	BDL
3	Channan,Kabutar Khopi	Sahebganj	7	9

- STPs complying to FC (≤ 230 MPN/100 ml) in Jharkhand (April-July,2023) w.r.t. NGT norms dated 30.4.2019 and MoEF&CC norms dtd 13.10.2017

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	Outlet FC (MPN/100ml)
1	Rajmahal (3.5 MLD)	Rajmahal	3.5	<1.8
2	Talbanna	Sahebganj	5	<1.8
3	Channan,Kabutar Khopi	Sahebganj	7	<1.8

- STPs having Disinfection system

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

- Inlet BOD Range

Inlet BOD			STPs with weak sewage (upto 40 mg/l)	Treated sewage Complying w.r.t BOD (<10mg/l)	Inlet BOD				Overall compliance for BOD	
≤ 10 mg/l	11-20 mg/l	21-40mg/l			40-100 mg/l	100 - 150 mg/l	150-250mg/l	>250mg/l	Complying Treated sewage w.r.t BOD (<10mg/l) (NGT)	complying Treated sewage w.r.t BOD (<30mg/l)
-	-	-	0	0	2	1	-	-	3	3

- STP operating under capacity (<75% of designed treatment capacity)

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	Utilized capacity (MLD)	Compliance Status w.r.t Hon'ble NGT norms dated 30.4.2019	Compliance w.r.t MoEF norms dtd 13.10.2017
1	Rajmahal (3.5 MLD)	Rajmahal	3.5	1.152	Complying	Complying
2	Talbanna	Sahebganj	5	2.618	Complying	Complying
3	Channan,Kabutar Khopi	Sahebganj	7	3.72	Complying	Complying

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, BOD as 30mg/L, Total suspended solids (TSS) as less than 100mg/L and Faecal coliform as less than 1000MPN per 100mL.