

**Status of Sewage Treatment Plants in Jharkhand(January-March,2023)**

- Commissioned STPs -3 (2 town) with designed capacity – 15.5 MLD
- Operational STPs –3 (operational capacity –15.5 MLD) with Utilized capacity– 6.3MLD(~40.64% 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	2	3
Non-complying	1	0

- STPs complying for Faecal Coliform norms (<230 MPN/100ml) – 3
- STPs non-complying for Faecal Coliform norms (>230 MPN/100ml) – 0
- Disinfection system available in all 3 STPs.
- BOD removal efficiency range: 70-90%-3 STPs
- STPs working at under-capacity-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 Inspection	Operational /Non-Operational Status	Compliance Status w.r.t Hon'ble NGT norms dated 30.04.2019	Compliance Status w.r.t MoEF norms dated 13.10.2017
1.	Rajmahal (3.5 MLD), Sahibganj	Rajmahal	SBR	3.5	15.02.2023	Operational	Complying	Complying
2.	Talbanna	Sahebganj	SBR	5	14.03.2023	Operational	Non-complying T.N.	Complying
3.	Channan,Kabutar Khopi	Sahebganj	SBR	7	14.03.2023	Operational	Complying	Complying

- STPs complying to BOD Norms ( $\leq 10$ mg/l) in Jharkhand ( January-March,2023) w.r.t. NGT and MoEF norms

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	BOD ( $\leq 10$ mg/l)
1.	Rajmahal (3.5 MLD)	Rajmahal	3.5	3
2.	Talbanna	Sahebganj	5	3
3.	Channan,KabutarKhopi	Sahebganj	7	3

- STPs complying to COD ( $\leq 50$  mg/l) in Jharkhand ( January-March,2023) w.r.t. NGT Norms

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	COD ( $\leq 50$ mg/l)
1.	Rajmahal (3.5 MLD)	Rajmahal	3.5	48
2.	Talbanna	Sahebganj	5	24
3.	Channan,KabutarKhopi	Sahebganj	7	20

- STPs complying to TSS ( $\leq 20$  mg/l) in Jharkhand ( January-March,2023) w.r.t. NGT and MoEF norms

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	TSS ( $\leq 20$ mg/l)
1.	Rajmahal (3.5 MLD)	Rajmahal	3.5	16

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	TSS ( $\leq 20$ mg/l)
2.	Talbanna	Sahebganj	5	11
3.	Channan,KabutarKhopi	Sahebganj	7	5

- STPs complying to FC ( $\leq 230$  MPN/100 ml) in Jharkhand ( January-March,2023) w.r.t. NGT and MoEF norms

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	FC ( $\leq 230$ MPN/100 ml)
1.	Rajmahal (3.5 MLD)	Rajmahal	3.5	<1.8
2.	Talbanna	Sahebganj	5	<1.8
3.	Channan,KabutarKhopi	Sahebganj	7	<1.8

- STPs having Disinfection system

S. No.	Name of STPs/CETPs	Ganga Front Town	Designed Capacity (MLD)	Disinfection Technology
1.	Rajmahal (3.5 MLD)	Rajmahal	3.5	Chlorination
2.	Talbanna	Sahebganj	5	Chlorination
3.	Channan,KabutarKhopi	Sahebganj	7	Chlorination

- Disinfection status and compliance for FC

Total Monitor ed STPs	No. of STP RC Measu red	No. of STP RC Detected	Disinfe ction system availab le	Disinfecti on system not available	Chlorination		Ozonation		UV treatment		Non-Complia nce for FC (>230MP N/100 ml)
					Numb er	Complyi ng for FC	Num ber	Complyi ng for FC	Num ber	Complyi ng for FC	
3	3	3	3	0	3	3	-	-	-	-	0

- Inlet BOD range

Inlet BOD			STPs with weak sewage (upto 40 mg/l)	Treated sewage Complyin g w.r.t BOD (<10mg/l)	Inlet BOD				Overall compliance for BOD	
$\leq 10$ mg/l	11- 20 mg/l	21- 40mg/l			40- 100 mg/l	100 - 150 mg/l	150- 250mg/l	>250mg/l	Complyin g Treated sewage w.r.t BOD (<10mg/l) (NGT)	complyin g Treated sewage w.r.t BOD (<30mg/l)
-	-	-	0	0	1	1	-	1	3	3

- STPs operating at under-capacity

S. No.	Name of STPs	Ganga Front Town	Treatment Technology	Designed Capacity (MLD)	Utilized capacity (MLD)	Compliance (MoEF & CC Norms)
1.	Rajmahal STP (3.5 MLD)	Rajmahal	SBR	3.5	0.702	Complying

S. No.	Name of STPs	Ganga Front Town	Treatment Technology	Designed Capacity (MLD)	Utilized capacity (MLD)	Compliance (MoEF & CC Norms)
2.	Talbanna	Sahebganj	SBR	5	1.63	Complying
3.	Channan,KabutarKhopi	Sahebganj	SBR	7	3.97	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.*