

Status of Sewage Treatment Plants in Uttar Pradesh monitored during Oct-Dec, 2022

- Installed STPs - 37 (Capacity -1246.9 MLD) in 14 towns
- Monitored STPs - 29 (11 towns) with capacity 1226.62 MLD
- Operational STPs – 25 (Capacity – 1172.6 MLD) with Utilized capacity – 984.7 MLD (~84% 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	1	12
Non-complying	24	13

- Non-operational STPs – 4 (Capacity – 54.04 MLD)
- STPs complying for Faecal Coliform norms (<230 MPN/100ml) – 4
- STPs non-complying for Faecal Coliform norms (>230 MPN/100ml) – 5

Operational and Compliance status of Sewage Treatment Plants in Uttar Pradesh monitored during Oct-Dec, 2022

S. No.	Name of STPs/CETPs	Ganga Front Town	Treatment Technology	Designed Capacity (MLD)	Date of Monitoring	Operational/Non-Operational Status	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	24 MLD STP Bijnor, Near Hemraj Colony	Bijnor	UASB	24	03.10.2022	Operational	Non-complying FC	Non-complying FC
2	2.7 MLD Fatehgarh	Farrukhabad	OP	2.7	01.12.2022	Operational	Non-complying BOD, COD, TSS, pH, FC	Non-complying BOD, TSS, pH, FC
3	Jalalpur Amara (13 MLD) STP	Kannauj	SBR	13	29.11.2022	Operational	Non-complying BOD, FC, TSS, TN	Non-complying FC
4	130 MLD Jajmau STP Kanpur	Kanpur	ASP	130	14.12.2022	Operational	Non-complying TSS, BOD, COD, TN, FC	Non-complying FC
5	Jajmau (43 MLD) Kanpur	Kanpur	ASP	43	14.12.2022	Operational	Non-complying TSS, BOD, COD, TN, FC	Non-complying FC
6	Jajmau (5 MLD) Kanpur	Kanpur	UASB	5	15.12.2022	Operational	Non-complying BOD, COD, T.N. & FC	Non-complying BOD and FC
7	Bingawan (210 MLD) STP, Kanpur	Kanpur	UASB	210	30.11.2022	Operational	Non-complying TSS, BOD, COD, T.N. & FC	Non-complying BOD, FC

S. No.	Name of STPs/CETPs	Ganga Front Town	Treatment Technology	Designed Capacity (MLD)	Date of Monitoring	Operational/Non-Operational Status	Compliance Status w.r.t Hon'ble NGT norms dated 30.4.2019	Compliance w.r.t. MoEF&CC norms dtd 13.10.2017
8	Sajari STP, Kanpur	Kanpur	ASP	42	30.11.2022	Operational	Non-complying BOD, COD, TN, FC	Non-complying FC
9	Bithoor (80 KLD) STP	Bithoor	Constructed wetland	0.08	30.11.2022	Operational	Non-complying pH, TN, COD, BOD and FC	Non-complying pH, FC
10	32 KLD FSTP, Nandauli Village	Unnao	FSTP	0.032	29.12.2022	Non-Operational	Non-Operational	Non-Operational
11	29 MLD STP, Salori, Prayagraj	Prayagraj	FAB reactor	29	29.12.2022	Operational	Non-complying TSS, BOD, COD, T.N.	Complying -
12	Salori (Bakshi Bandh) 14 MLD Prayagraj	Prayagraj	SBR	14	29.12.2022	Operational	Non-complying BOD	Complying -
13	60 MLD STP, Rajapur, Prayagraj	Prayagraj	UASB	60	30.12.2022	Operational	Non-complying BOD, COD	Complying -
14	10 MLD STP, Ponghat, Prayagraj	Prayagraj	BTT followed by ASP	10	29.12.2022	Operational	Non-complying BOD, COD, TN	Complying -
15	25 MLD STP, Kodra, Prayagraj	Prayagraj	BTT followed by ASP	25	29.12.2022	Operational	Non-complying BOD, COD, FC	Non-complying FC
16	80 MLD STP, Nani, Prayagraj	Prayagraj	ASP	80	30.12.2022	Operational	Non-complying BOD, COD	Complying -
17	50 MLD STP, Numayadhai, Prayagraj	Prayagraj	BTT followed by ASP	50	28.12.2022	Operational	Non-complying BOD, TN,	Complying -
18	14 MLD STP Mirzapur (Pakka Pokhra)	Mirzapur	UASB	14	20.12.2022	Operational	Non-complying BOD, COD, TN, FC	Non-complying FC
19	4 MLD STP at Taxi Stand, Vindhyachal	Mirzapur	WSP	4	20.12.2022	Non-operational	Non-operational	Non-operational
20	10 KLD FSTP Chunar, Mirzapur	Chunar	FSTP	0.01	19.12.2022	Non-operational (Main gate was closed)	Non-operational	Non-operational
21	80 MLD STP at Dinapur	Varanasi	TF & ASP	80	06.12.2022	Operational	Non-complying T.N, BOD	Complying -

S. No.	Name of STPs/CETPs	Ganga Front Town	Treatment Technology	Designed Capacity (MLD)	Date of Monitoring	Operational/Non-Operational Status	Compliance Status w.r.t Hon'ble NGT norms dated 30.4.2019	Compliance w.r.t. MoEF&CC norms dtd 13.10.2017
22	50 MLD STP, Ramanna	Varanasi	SBR	50	06.12.2022	Non-operational	Non-operational	Non-operational
23	140 MLD STP at Dinapur	Varanasi	ASP	140	06.12.2022	Operational	Non-complying BOD, FC	Non-complying FC
24	10 MLD STP, Ramnagar	Ramnagar	A2O	10	06.12.2022	Operational	Non-complying BOD, T. N	Complying -
25	Bhagwanpur, Varanasi	Varanasi	ASP	9.8	07.12.2022	Operational	Non-complying TN	Complying -
26	120 MLD STP at Goithaha	Varanasi	SBR	120	07.12.2022	Operational	Complying -	Complying -
27	BLW (former known as DLW)	Varanasi	ASP	12	07.12.2022	Operational	Non-complying BOD, TN, FC	Non-complying FC
28	7 MLD STP at Taxi Stand, Vindhyachal	Mirzapur	SBR	7	20.12.2022	Operational	Non-complying BOD, COD	Complying -
29	42 MLD STP, Naini 2	Prayagraj	FCR	42	28.12.2022	Operational	Non-complying TN and BOD	Complying -

STPs complying to BOD Norms ($\leq 10\text{mg/l}$) in Uttar Pradesh (Oct- Dec, 2022) w.r.t. NGT and MoEF&CC norms

S. No.	Name of STPs	Ganga Front Town	Designed Capacity	BOD ($\leq 10\text{ mg/l}$)
1	24 MLD STP Bijnor, Near Hemraj Colony	Bijnor	24	2
2	Bhagwanpur, Varanasi	Varanasi	9.8	5.65
3	120 MLD STP at Goithaha	Varanasi	120	7.3

• **STPs complying to BOD Norms (11-30mg/l) in Uttar Pradesh (Oct- Dec, 2022) w.r.t. MoEF&CC norms**

S. No.	Name of STPs	Ganga Front Town	Designed Capacity	BOD (11 mg/l to 30 mg/l)
1	13 MLD Jalalpur Amara STP	Kannauj	13	12.3
2	130 MLD Jajmau STP	Kanpur	130	22.8
3	Jajmau (43 MLD) Kanpur	Kanpur	43	19.6
4	Sajari STP, Kanpur	Kanpur	42	19.7
5	Bithoor (80 KLD) STP	Bithoor	0.08	25.1
6	29 MLD STP , Salori, Prayagraj	Prayagraj	29	22.9
7	Salori (Bakshi Bandh) 14 MLD Prayagraj	Prayagraj	14	11.1
8	60 MLD STP, Rajapur, Prayagraj	Prayagraj	60	18.5
9	10 MLD STP , Ponghat, Prayagraj	Prayagraj	10	18.3
10	25 MLD STP , Kodra, Prayagraj	Prayagraj	25	11.5

S. No.	Name of STPs	Ganga Front Town	Designed Capacity	BOD (11 mg/l to 30 mg/l)
11	80 MLD STP , Nani, Prayagraj	Prayagraj	80	15.7
12	50 MLD STP , Numayadhai, Prayagraj	Prayagraj	50	11.3
13	14 MLD STP Mirzapur (Pakka Pokhra)	Mirzapur	14	25.6
14	80 MLD STP at Dinapur	Varanasi	80	14
15	140 MLD STP at Dinapur	Varanasi	140	11
16	10 MLD STP, Ramnagar	Ramnagar	10	10.7
17	BLW (former known as DLW)	Varanasi	12	11
18	7 MLD STP at Taxi Stand, Vindhyachal	Mirzapur	7	13.6
19	42 MLD STP, Naini 2	Prayagraj	42	12.3

- STPs non-complying to BOD Norms (> 30mg/l) in Uttar Pradesh (Oct- Dec, 2022) w.r.t. NGT and MoEF&CC norms

S. No.	Name of STPs	Ganga Front Town	Designed Capacity	BOD (> 30 mg/l)
1	2.7 MLD Fatehgarh	Farrukhabad	2.7	56.4
2	Jajmau (5 MLD) Kanpur	Kanpur	5	33.3
3	Bingawan (210 MLD) STP, Kanpur	Kanpur	210	40.7

- STPs complying to COD (≤ 50 mg/l) in Uttar Pradesh (Oct- Dec, 2022) w.r.t. NGT Norms

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	COD (≤ 50 mg/l)
1	24 MLD STP Bijnor, Near Hemraj Colony	Bijnor	24	30
2	Jalalpur Amara (13 MLD) STP	Kannauj	13	30
3	Salori (Bakshi Bandh) 14 MLD Prayagraj	Prayagraj	14	33.9
4	50 MLD STP , Numayadhai, Prayagraj	Prayagraj	50	36.9
5	80 MLD STP at Dinapur	Varanasi	80	43.6
6	140 MLD STP at Dinapur	Varanasi	140	35.7
7	10 MLD STP, Ramnagar	Ramnagar	10	37.7
8	Bhagwanpur, Varanasi	Varanasi	9.8	10.7
9	120 MLD STP at Goithaha	Varanasi	120	21.4
10	BLW (former known as DLW)	Varanasi	12	21.8
11	42 MLD STP, Naini 2	Prayagraj	42	41.4

- STPs non-complying to COD (> 50 mg/l) in Uttar Pradesh (Oct- Dec, 2022) w.r.t. NGT norms

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	COD (> 50 mg/l)
1	2.7 MLD Fatehgarh	Farrukhabad	OP	191
2	130 MLD Jajmau STP Kanpur	Kanpur	ASP	103
3	Jajmau (43 MLD) Kanpur	Kanpur	ASP	65.8

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	COD (> 50 mg/l)
4	Jajmau (5 MLD) Kanpur	Kanpur	UASB	185
5	Bingawan (210 MLD) STP, Kanpur	Kanpur	UASB	145
6	Sajari STP, Kanpur	Kanpur	ASP	69.9
7	Bithoor (80 KLD) STP	Bithoor	Constructed wetland	61.3
8	29 MLD STP , Salori, Prayagraj	Prayagraj	FAB reactor	89.5
9	60 MLD STP, Rajapur, Prayagraj	Prayagraj	UASB	90.3
10	10 MLD STP , Ponghat, Prayagraj	Prayagraj	BTT followed by ASP	74.4
11	25 MLD STP , Kodra, Prayagraj	Prayagraj	BTT followed by ASP	51.8
12	80 MLD STP , Nani, Prayagraj	Prayagraj	ASP	66.3
13	14 MLD STP Mirzapur (Pakka Pokhra)	Mirzapur	UASB	91.2
14	7 MLD STP at Taxi Stand, Vindhyachal	Mirzapur	SBR	61.2

• STPs complying to TSS (≤ 20 mg/l) in Uttar Pradesh (Oct- Dec, 2022) w.r.t. NGT and MoEF&CC norms

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	TSS (≤ 20 mg/l)
1	24 MLD STP Bijnor, Near Hemraj Colony	Bijnor	UASB	BDL
2	Jajmau (5 MLD) Kanpur	Kanpur	UASB	17.9
3	Sajari STP, Kanpur	Kanpur	ASP	5.38
4	Bithoor (80 KLD) STP	Bithoor	Constructed wetland	4.94
5	Salori (Bakshi Bandh) 14 MLD Prayagraj	Prayagraj	SBR	12
6	60 MLD STP, Rajapur, Prayagraj	Prayagraj	UASB	13.4
7	10 MLD STP , Ponghat, Prayagraj	Prayagraj	BTT followed by ASP	18.4
8	25 MLD STP , Kodra, Prayagraj	Prayagraj	BTT followed by ASP	11.7
9	80 MLD STP , Nani, Prayagraj	Prayagraj	ASP	10
10	50 MLD STP , Numayadhai, Prayagraj	Prayagraj	BTT followed by ASP	14
11	14 MLD STP Mirzapur (Pakka Pokhra)	Mirzapur	UASB	5.51
12	80 MLD STP at Dinapur	Varanasi	TF & ASP	13.2
13	140 MLD STP at Dinapur	Varanasi	ASP	5.16
14	10 MLD STP, Ramnagar	Ramnagar	A2O	4.17
15	Bhagwanpur, Varanasi	Varanasi	ASP	<2.5
16	120 MLD STP at Goithaha	Varanasi	SBR	<2.5
17	BLW (former known as DLW)	Varanasi	ASP	7.57

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	TSS (≤ 20 mg/l)
18	7 MLD STP at Taxi Stand, Vindhyachal	Mirzapur	SBR	3.37
19	42 MLD STP, Naini 2	Prayagraj	FCR	16

- STPs complying to TSS (20 mg/l - 100 mg/l) in Uttar Pradesh (Oct- Dec, 2022) w.r.t. MoEF&CC norms

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	TSS (20 mg/l - 100 mg/l)
1	Jalalpur Amara (13 MLD) STP	Kannauj	13	21.6
2	130 MLD Jajmau STP Kanpur	Kanpur	130	54.4
3	Jajmau (43 MLD) Kanpur	Kanpur	43	23.3
4	Bingawan (210 MLD) STP, Kanpur	Kanpur	210	72.3
5	29 MLD STP, Salori, Prayagraj	Prayagraj	29	23.6

- STPs non-complying to TSS (> 100 mg/l) in Uttar Pradesh (Oct- Dec, 2022) w.r.t. MoEF&CC norms

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	TSS (> 100 mg/l)
1	2.7 MLD Fatehgarh	Farrukhabad	2.7	205

- STPs complying to FC (≤ 230 MPN/100 ml) in Uttar Pradesh (Oct- Dec, 2022) w.r.t. NGT and MoEF&CC norms

S. No.	Name of STPs	Ganga Front Town	Designed Capacity	FC (≤ 230 MPN/100 ml)
1	29 MLD STP, Salori, Prayagraj	Prayagraj	29	< 1.8
2	Salori (Bakshi Bandh) 14 MLD Prayagraj	Prayagraj	14	< 1.8
3	60 MLD STP, Rajapur, Prayagraj	Prayagraj	60	< 1.8
4	10 MLD STP, Ponghat, Prayagraj	Prayagraj	10	< 1.8
5	80 MLD STP, Nani, Prayagraj	Prayagraj	80	< 1.8
6	50 MLD STP, Numayadhari, Prayagraj	Prayagraj	50	< 1.8
7	80 MLD STP at Dinapur	Varanasi	80	< 1.8
8	10 MLD STP, Ramnagar	Ramnagar	10	< 1.8
9	Bhagwanpur, Varanasi	Varanasi	9.8	< 1.8
10	120 MLD STP at Goithaha	Varanasi	120	< 1.8
11	7 MLD STP at Taxi Stand, Vindhyachal	Mirzapur	7	< 1.8
12	42 MLD STP, Naini 2	Prayagraj	42	< 1.8

- STPs non-complying to FC (> 1000 MPN/100 ml) in Uttar Pradesh (Oct- Dec, 2022) w.r.t. MoEF&CC norms

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	FC (> 1000 MPN/100 ml)
1	24 MLD STP Bijnor, Near Hemraj Colony	Bijnor	24	22000
2	2.7 MLD Fatehgarh	Farrukhabad	2.7	2.0×10^4
3	Jalalpur Amara (13 MLD) STP	Kannauj	13	1.1×10^6
4	130 MLD Jajmau STP Kanpur	Kanpur	130	2.8×10^6
5	Jajmau (43 MLD) Kanpur	Kanpur	43	4.9×10^6
6	Jajmau (5 MLD) Kanpur	Kanpur	5	1.3×10^5
7	Bingawan (210 MLD) STP, Kanpur	Kanpur	210	4.9×10^6
8	Sajari STP, Kanpur	Kanpur	42	4.5×10^4

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	FC (> 1000 MPN/100 ml)
9	Bithoor (80 KLD) STP	Bithoor	0.08	7.8x10⁴
10	25 MLD STP , Kodra, Prayagraj	Prayagraj	25	2x10⁴
11	14 MLD STP Mirzapur (Pakka Pokhra)	Mirzapur	14	1.1x10⁶
12	140 MLD STP at Dinapur	Varanasi	140	2.3x10⁵
13	BLW (former known as DLW)	Varanasi	12	1.7x10³

- **STPs non-complying for pH**

S. No.	Name of STPs/CETPs	Ganga Front Town	Designed Capacity (MLD)	Inlet pH	Outlet pH
1	2.7 MLD Fatehgarh	Farrukhabad	2.7	7.29	9.11
2	Bithoor (80 KLD) STP	Bithoor	0.08	7.16	5.46