

Status of Sewage Treatment Plants in Uttar Pradesh (August-November,2023)

- Commissioned STPs – 40 (14 towns) with designed capacity – 1303.0 MLD
- Operational STPs – 35 (Operational capacity –1286.12 MLD) with Utilized capacity – 1047.2 MLD (~81.42% of installed)
- 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	13	18
Non-complying	22	17

- Non-operational STPs – 05 (Designed capacity – 16.84 MLD)
- STPs complying for Faecal Coliform norms (<230 MPN/100ml) – 19
- STPs non-complying for Faecal Coliform norms (>230 MPN/100ml) – 16
- STPs having disinfection system - 32
- BOD removal efficiency range: ≤50% - 3 STPs; 50-70% - 8 STPs; 70-90%-10 STPs and ≥90% - 14 STPs
- STPs operating under-capacity - 12 STPs
- STPs operating over-capacity - 10 STP

Operational and Compliance status of Sewage Treatment Plants in Uttar Pradesh

S. No.	Name of STPs	Ganga Front Town	Treatment Technology	Designed Capacity (MLD)	Date of Inspection	Operational Status	Compliance Status w.r.t Hon'ble NGT norms dated 30.04.2019	Compliance Status w.r.t MoEF&CC norms dated 13.10.2017
1	24 MLD STP, Near Hemraj Colony	Bijnor	UASB	24	22.11.2023	Operational	Complying	complying
2	Brajghat (03 MLD) STP	Garhmukteshwar	UASB	3	15.11.2023	Operational	Non-complying FC	Non-complying FC
3	Garhmukteshwar STP	Garhmukteshwar	UASB	6	15.11.2023	Operational	Complying	complying
4	Narora NAPS Township STP	Narora	ASP	2.25	31.10.2023	Operational	Non-complying BOD,COD,TS S,TN,FC	Non-complying FC
5	Narora Town (4.0 MLD)	Narora	SBR	4	31.10.2023	Operational	Non-complying TN,FC	Non-complying FC
6	Anupsahar 1.5 MLD STP, Zone A	Anupshahr	MBBR	1.5	21.11.2023	Operational	Non-complying BOD,COD,TS S,TN,FC	Non-complying BOD,FC
7	Anupsahar 0.81 MLD	Anupshahr	WSP	0.81	21.11.2023	Operational	Non-complying	Non-complying FC

S. No.	Name of STPs	Ganga Front Town	Treatment Technology	Designed Capacity (MLD)	Date of Inspection	Operational Status	Compliance Status w.r.t Hon'ble NGT norms dated 30.04.2019	Compliance Status w.r.t MoEF&CC norms dated 13.10.2017
	STP, Zone A						BOD,COD,TS S,TN,FC	
8	Anupsahar 1.75 MLD STP, Zone B	Anupshahr	OP	1.75	21.11.2023	Operational	Non-complying BOD,COD,TS S,TN,FC	Non-complying BOD
9	Anupsahar 1.0 MLD STP, Zone B	Anupshahr	MBBR	1	21.11.2023	Operational	Non-complying BOD,COD,TS S,TN,FC	Non-complying FC
10	2.7 MLD Fatehgarh	Farrukhabad	OP	2.7	04.10.2023	Non-operational		
11	32 KLD FSTP, Near Bairoghat Temple	Farrukhabad	ABR	0.032	04.10.2023	Non-Operational		
12	Jalalpur Amara (13 MLD) STP	Kannauj	SBR	13	05.10.2023	Operational	Non-complying BOD, T.N	complying
13	130 MLD Jajmau STP	Kanpur	ASP	130	12.09.2023	Operational	Non-complying TSS, T.N. FC	Non-complying FC
14	Jajmau (43 MLD)	Kanpur	ASP	43	12.09.2023	Operational	Non-complying BOD. COD, TSS, T.N, FC	Non-complying TSS, FC
15	Jajmau (5 MLD)	Kanpur	UASB	5	04.10.2023	Operational	Non-complying BOD, COD, TSS, T.N, FC	Non-complying BOD, FC
16	Bingawan (210 MLD) STP	Kanpur	UASB	210	30.10.2023	Operational	Non-complying BOD, COD, T.N, FC	Non-complying BOD, FC
17	30 MLD STP at Panka	Kanpur	SBR	30	30.11.2023	Operational	Non-Complying BOD, COD, TSS, T.N	Non-complying BOD
18	Sajari STP	Kanpur	ASP	42	30.10.2023	Operational	Non-complying T.N	Complying
19	Bithoor (80 KLD) STP	Bithoor	Const ructed wetland	0.08	04.09.2023	Non-operational		
20	32 KLD FSTP, Nandauli Village	Unnao	FSTP	0.032	26.09.2023	Non-Operational		

S. No.	Name of STPs	Ganga Front Town	Treatment Technology	Designed Capacity (MLD)	Date of Inspection	Operational Status	Compliance Status w.r.t Hon'ble NGT norms dated 30.04.2019	Compliance Status w.r.t MoEF&CC norms dated 13.10.2017
21	29 MLD STP , Salori	Prayagraj	FAB reactor	29	08.11.2023	Operational	Complying	Complying
22	Salori (Bakshi Bandh) 14 MLD	Prayagraj	SBR	14	08.11.2023	Operational	Complying	Complying
23	60 MLD STP, Rajapur	Prayagraj	UAS B	60	08.11.2023	Operational	Complying	Complying
24	10 MLD STP , Ponghat	Prayagraj	BTT followed by ASP	10	07.11.2023	Operational	Non-complying FC	Non-complying FC
25	25 MLD STP , Kodra	Prayagraj	BTT followed by ASP	25	07.11.2023	Operational	Complying	Complying
26	80 MLD STP , Nani	Prayagraj	ASP	80	08.11.2023	Operational	Complying	Complying
27	42 MLD STP, Naini 2	Prayagraj	FCR	42	07.11.2023	Operational	Complying	Complying
28	50 MLD STP ,Numayadhai	Prayagraj	BTT followed by ASP	50	07.11.2023	Operational	Complying	Complying
29	14 MLD STP Phaphamu	Prayagraj	FCR	14	06.11.2023	Operational	Complying	Complying
30	16 MLD STP, Jhunsi	Prayagraj	FCR	16	06.11.2023	Operational	Complying	Complying
31	14 MLD STP Mirzapur (Pakka Pokhra)	Mirzapur	UAS B	14	7.11.2023	Non-Operational		
32	7 MLD, STP, Vindhyachal	Mirzapur	SBR	7	08.11.2023	Operational	Complying	complying
33	10 KLD FSTP Chunar, Mirzapur	Chunar	FSTP	0.01	09.11.2023	Operational	Non-complying FC	Non-complying FC
34	80 MLD STP at Dinapur	Varanasi	TF & ASP	80	31.10.2023	Operational	Non-complying T.N	Complying

S. No.	Name of STPs	Ganga Front Town	Treatment Technology	Designed Capacity (MLD)	Date of Inspection	Operational Status	Compliance Status w.r.t Hon'ble NGT norms dated 30.04.2019	Compliance Status w.r.t MoEF&CC norms dated 13.10.2017
35	50 MLD STP, Ramanna	Varanasi	SBR	50	31.10.2023	Operational	Non-complying T.N, FC	Non-complying FC
36	140 MLD STP at Dinapur	Varanasi	ASP	140	31.10.2023	Operational	Non-complying Total Nitrogen	Complying
37	10 MLD STP, Ramnagar	Ramnagar, Varanasi	A2O	9.22	01.11.2023	Operational	Non-complying T.N, FC	Non-complying FC
38	Bhagwanpur, Varanasi	Varanasi	ASP	9.8	31.10.2023	Operational	Non-complying T.N, FC	Non-complying FC
39	120 MLD STP at Goithaha	Varanasi	SBR	120	01.11.2023	Operational	Non-complying T.N	Complying
40	BLW (former known as DLW)	Varanasi	ASP	12	30.10.2023	Operational	Complying	Complying

- STPs complying to BOD Norms (<10mg/l) in Uttar Pradesh (August-November, 2023) w.r.t. NGT and MoEF&CC norms

S. No.	Name of STPs	Ganga Front Town	Designed Capacity(MLD)	BOD (≤10 mg/l)
1	24 MLD STP Bijnor, Near Hemraj Colony	Bijnor	24	6
2	Brajghat (03 MLD) STP	Garhmukteshwar	3	2
3	Garhmukteshwar STP	Garhmukteshwar	6	3
4	Narora Town (4.0 MLD)	Narora	4	10
5	130 MLD Jajmau STP Kanpur	Kanpur	130	<5
6	Sajari STP, Kanpur	Kanpur	42	9.93
7	29 MLD STP , Salori, Prayagraj	Prayagraj	29	6.85
8	Salori (Bakshi Bandh) 14 MLD Prayagraj	Prayagraj	14	<5
9	60 MLD STP, Rajapur, Prayagraj	Prayagraj	60	8.95
10	10 MLD STP , Ponghat, Prayagraj	Prayagraj	10	9.65
11	25 MLD STP , Kodra, Prayagraj	Prayagraj	25	7
12	80 MLD STP , Nani, Prayagraj	Prayagraj	80	5.4
13	42 MLD STP, Naini 2	Prayagraj	42	6.4
14	50 MLD STP , Numayadhari, Prayagraj	Prayagraj	50	<5
15	14 MLD STP Phaphamau Prayagraj	Prayagraj	14	6.2
16	16 MLD STP, Jhunsi	Prayagraj	16	8.8
17	7 MLD, STP, Vindhyachal,	Mirzapur	7	BDL (<5)
18	10 KLD FSTP Chunar, Mirzapur	Chunar	0.01	5.2
19	80 MLD STP at Dinapur	Varanasi	80	<5
20	50 MLD STP, Ramanna	Varanasi	50	<5
21	140 MLD STP at Dinapur	Varanasi	140	5.9
22	10 MLD STP, Ramnagar	Ramnagar, Varanasi	10	8.12
23	Bhagwanpur, Varanasi	Varanasi	9.8	<5
24	120 MLD STP at Goithaha	Varanasi	120	<5.0
25	BLW (former known as DLW)	Varanasi	12	5.4

- STPs complying to BOD Norms (11-30mg/l) in Uttar Pradesh (August-November, 2023) w.r.t. MoEF&CC norms

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	BOD (11 mg/l to 30 mg/l)
1	Narora NAPS Township STP	Narora	2.25	12
2	Anupsahar 0.81 MLD STP, Zone A	Anupshahr	0.81	25
3	Anupsahar 1.0 MLD STP, Zone B	Anupshahr	1	24
4	Jalalpur Amara (13 MLD) STP	Kannauj	13	10.8
5	Jajmau (43 MLD) Kanpur	Kanpur	43	12.8

- STPs non-complying to BOD Norms (BOD \geq 30 mg/l) in Uttar Pradesh (August-November, 2023) w.r.t. NGT and MoEF&CC norms

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	BOD (\geq 30 mg/l)
1	Anupsahar 1.5 MLD STP, Zone A	Anupshahr	1.5	39
2	Anupsahar 1.75 MLD STP, Zone B	Anupshahr	1.75	35
3	Jajmau (5 MLD) Kanpur	Kanpur	5	40.4
4	Bingawan (210 MLD) STP, Kanpur	Kanpur	210	57
5	30 MLD STP at Panka	Kanpur	30	37.7

- STPs complying to COD (\leq 50 mg/l) in Uttar Pradesh (August-November, 2023) w.r.t. NGT Norms

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	COD (\leq 50 mg/l)
1	24 MLD STP Bijnor, Near Hemraj Colony	Bijnor	24	27
2	Brajghat (03 MLD) STP	Garhmukteshwar	3	8
3	Garhmukteshwar STP	Garhmukteshwar	6	10
4	Narora Town (4.0 MLD)	Narora	4	39
5	Jalalpur Amara (13 MLD) STP	Kannauj	13	30.3
6	130 MLD Jajmau STP Kanpur	Kanpur	130	<5
7	Sajari STP, Kanpur	Kanpur	42	44.5
8	29 MLD STP , Salori, Prayagraj	Prayagraj	29	31.6
9	Salori (Bakshi Bandh) 14 MLD Prayagraj	Prayagraj	14	<5
10	60 MLD STP, Rajapur, Prayagraj	Prayagraj	60	48.1
11	10 MLD STP , Ponghat, Prayagraj	Prayagraj	10	45.1
12	25 MLD STP , Kodra, Prayagraj	Prayagraj	25	22.5
13	80 MLD STP , Nani, Prayagraj	Prayagraj	80	15
14	42 MLD STP, Naini 2	Prayagraj	42	20.7
15	50 MLD STP , Numayadhari, Prayagraj	Prayagraj	50	7.89
16	14 MLD STP Phaphamau Prayagraj	Prayagraj	14	18.8
17	16 MLD STP, Jhansi	Prayagraj	16	42.8
18	7 MLD, STP, Vindhyachal,	Mirzapur	7	22.3
19	10 KLD FSTP Chunar, Mirzapur	Chunar	0.01	24.5
20	80 MLD STP at Dinapur	Varanasi	80	<5
21	50 MLD STP, Ramanna	Varanasi	50	5.49
22	140 MLD STP at Dinapur	Varanasi	140	16.1
23	10 MLD STP, Ramnagar	Ramnagar, Varanasi	10	17.2
24	Bhagwanpur, Varanasi	Varanasi	9.8	<5
25	120 MLD STP at Goithaha	Varanasi	120	6.59
26	BLW (former known as DLW)	Varanasi	12	38.1

- **STPs non-complying to COD (≥ 50 mg/l) in Uttar Pradesh (August-November, 2023) w.r.t. NGT norms**

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	COD (≥ 50 mg/l)
1	Narora NAPS Township STP	Narora	2.25	54
2	Anupsahar 1.5 MLD STP, Zone A	Anupshahr	1.5	142
3	Anupsahar 0.81 MLD STP, Zone A	Anupshahr	0.81	102
4	Anupsahar 1.75 MLD STP, Zone B	Anupshahr	1.75	144
5	Anupsahar 1.0 MLD STP, Zone B	Anupshahr	1	111
6	Jajmau (43 MLD) Kanpur	Kanpur	43	52.8
7	Jajmau (5 MLD) Kanpur	Kanpur	5	141
8	Bingawan (210 MLD) STP, Kanpur	Kanpur	210	105
9	30 MLD STP at Panka	Kanpur	30	127

- **STPs complying to TSS (≤ 20 mg/l) in Uttar Pradesh (August-November, 2023) 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	24	12
2	Brajghat (03 MLD) STP	Garhmukteshwar	3	BDL
3	Garhmukteshwar STP	Garhmukteshwar	6	16
4	Narora Town (4.0 MLD)	Narora	4	BDL
5	Jalalpur Amara (13 MLD) STP	Kannauj	13	9.6
6	Bingawan (210 MLD) STP	Kanpur	210	11.2
7	Sajari STP	Kanpur	42	BDL
8	29 MLD STP, Salori	Prayagraj	29	3
9	14 MLD STP Salori (Bakshi Bandh)	Prayagraj	14	2.77
10	60 MLD STP, Rajapur	Prayagraj	60	3.04
11	10 MLD STP, Ponghat	Prayagraj	10	10
12	25 MLD STP, Kodra	Prayagraj	25	14.4
13	80 MLD STP, Naini	Prayagraj	80	3.09
14	42 MLD STP, Naini 2	Prayagraj	42	2.5
15	50 MLD STP, Numayadhari	Prayagraj	50	2.69
16	14 MLD STP Phaphamau	Prayagraj	14	2.94
17	16 MLD STP, Jhansi	Prayagraj	16	11
18	7 MLD, STP, Vindhyachal	Mirzapur	7	BDL (< 2.5)
19	10 KLD FSTP Chunar, Mirzapur	Chunar	0.01	3.11
20	80 MLD STP at Dinapur	Varanasi	80	8.47
21	50 MLD STP, Ramanna	Varanasi	50	< 2.5
22	140 MLD STP Dinapur	Varanasi	140	< 2.5
23	10 MLD STP, Ramnagar	Ramnagar, Varanasi	10	< 2.5
24	Bhagwanpur	Varanasi	9.8	< 2.5
25	120 MLD STP at Goithaha	Varanasi	120	< 2.5
26	BLW (former known as DLW)	Varanasi	12	6.98

- **STPs complying to TSS (20 mg/l - 100 mg/l) in Uttar Pradesh (August-November, 2023) 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	Narora NAPS Township STP	Narora	2.25	24
2	Anupsahar 1.5 MLD STP, Zone A	Anupshahr	1.5	75

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	TSS (20 mg/l - 100 mg/l)
3	Anupsahar 0.81 MLD STP, Zone A	Anupshahr	0.81	30
4	Anupsahar 1.75 MLD STP, Zone B	Anupshahr	1.75	64
5	Anupsahar 1.0 MLD STP, Zone B	Anupshahr	1	32
6	130 MLD Jajmau STP Kanpur	Kanpur	130	23.2
7	Jajmau (5 MLD) Kanpur	Kanpur	5	22
8	30 MLD STP at Panka	Kanpur	30	27
9	BLW (former known as DLW)	Varanasi	12	57.8

- STPs non-complying to TSS (≥ 100 mg/l) in Uttar Pradesh (August-November, 2023) *w.r.t.* MoEF&CC norms

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	TSS (≥ 100 mg/l)
1	Jajmau (43 MLD) Kanpur	Kanpur	43	206

- STPs complying to FC (≤ 230 MPN/100 ml) in Uttar Pradesh (August-November, 2023) *w.r.t.* NGT and MoEF&CC norms

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	FC (≤ 230 MPN/100 ml)
1	24 MLD STP Bijnor, Near Hemraj Colony	Bijnor	24	<1.8
2	Garhmukteshwar STP	Garhmukteshwar	6	<1.8
3	Jalalpur Amara (13 MLD) STP	Kannauj	13	<1.8
4	30 MLD STP at Panka	Kanpur	30	<1.8
5	Sajari STP	Kanpur	42	<1.8
6	29 MLD STP , Salori	Prayagraj	29	<1.8
7	14 MLD STP Salori (Bakshi Bandh)	Prayagraj	14	<1.8
8	60 MLD STP, Rajapur	Prayagraj	60	<1.8
9	42 MLD STP, Naini 2	Prayagraj	42	<1.8
10	50 MLD STP , Numayadhari	Prayagraj	50	<1.8
11	16 MLD STP, Jhansi	Prayagraj	16	<1.8
12	7 MLD, STP, Vindhyachal	Mirzapur	7	<1.8
13	80 MLD STP at Dinapur	Varanasi	80	<1.8
14	140 MLD STP at Dinapur	Varanasi	140	<1.8
15	120 MLD STP at Goithaha	Varanasi	120	<1.8

- STPs complying to FC (230-1000 MPN/100 ml) in West Bengal (August-November, 2023) *w.r.t.* MoEF norms

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	FC (230 - 1000 MPN/100 ml)
1	Anupsahar 1.75 MLD STP, Zone B	Anupshahr	1.75	780

- STPs non-complying to FC (≥ 1000 MPN/100 ml) in Uttar Pradesh (August-November, 2023) *w.r.t.* MoEF&CC norms

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	FC (≥ 1000 MPN/100 ml)
1	Brajghat (03 MLD) STP	Garhmukteshwar	3	13×10^2
2	Narora NAPS Township STP	Narora	2.25	14×10^5
3	Narora Town (4.0 MLD)	Narora	4	23×10^3
4	Anupsahar 1.5 MLD STP, Zone A	Anupshahr	1.5	17×10^6

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	FC (≥ 1000 MPN/100 ml)
5	Anupsahar 0.81 MLD STP, Zone A	Anupshahr	0.81	79×10^9
6	Anupsahar 1.0 MLD STP, Zone B	Anupshahr	1	79×10^4
7	130 MLD Jajmau STP Kanpur	Kanpur	130	130000
8	Jajmau (43 MLD) Kanpur	Kanpur	43	330000
9	Jajmau (5 MLD) Kanpur	Kanpur	5	130000
10	Bingawan (210 MLD) STP, Kanpur	Kanpur	210	790000
11	10 MLD STP , Ponghat, Prayagraj	Prayagraj	10	7800
12	10 KLD FSTP Chunar, Mirzapur	Chunar	0.01	7.8×10^3
13	50 MLD STP, Ramanna	Varanasi	50	2000
14	10 MLD STP, Ramnagar	Ramnagar, Varanasi	10	130000
15	Bhagwanpur, Varanasi	Varanasi	9.8	4500

- **STPs having disinfection system**

S. No.	Name of STPs/CETPs	Ganga Front Town	Treatment Technology	Designed Capacity (MLD)	Disinfection Technology
1	24 MLD STP Bijnor, Near Hemraj Colony	Bijnor	UASB	24	Chlorination
2	Brajghat (03 MLD) STP	Garhmukteshwar	UASB	3	Chlorination
3	Garhmukteshwar STP	Garhmukteshwar	UASB	6	Chlorination
4	Narora NAPS Township STP	Narora	ASP	2.25	Chlorination
5	Narora Town (4.0 MLD)	Narora	SBR	4	Chlorination
6	Anupsahar 1.5 MLD STP, Zone A	Anupshahr	MBBR	1.5	Chlorination
7	Anupsahar 0.81 MLD STP, Zone A	Anupshahr	WSP	0.81	Chlorination
8	Anupsahar 1.75 MLD STP, Zone B	Anupshahr	OP	1.75	Chlorination
9	Anupsahar 1.0 MLD STP, Zone B	Anupshahr	MBBR	1	Chlorination
10	Jalalpur Amara (13 MLD) STP	Kannauj	SBR	13	Chlorination
11	Bingawan (210 MLD) STP, Kanpur	Kanpur	UASB	210	Chlorination
12	30 MLD STP at Panka	Kanpur	SBR	30	Chlorination
13	Sajari STP, Kanpur	Kanpur	ASP	42	Chlorination
14	29 MLD STP , Salori, Prayagraj	Prayagraj	FAB reactor	29	Chlorination
15	Salori (Bakshi Bandh) 14 MLD Prayagraj	Prayagraj	SBR	14	Chlorination
16	60 MLD STP, Rajapur, Prayagraj	Prayagraj	UASB	60	Chlorination
17	10 MLD STP , Ponghat, Prayagraj	Prayagraj	BTT followed by ASP	10	Chlorination
18	25 MLD STP , Kodra, Prayagraj	Prayagraj	BTT followed by ASP	25	Chlorination

S. No.	Name of STPs/CETPs	Ganga Front Town	Treatment Technology	Designed Capacity (MLD)	Disinfection Technology
19	80 MLD STP , Nani, Prayagraj	Prayagraj	ASP	80	Chlorination
20	42 MLD STP, Naini 2	Prayagraj	FCR	42	Chlorination
21	50 MLD STP , Numayadhari, Prayagraj	Prayagraj	BTT followed by ASP	50	Chlorination
22	14 MLD STP Phaphamau Prayagraj	Prayagraj	FCR	14	chlorination
23	16 MLD STP, Jhunsi	Prayagraj	FCR	16	Chlorination
24	14 MLD STP Mirzapur (Pakka Pokhra)	Mirzapur	UASB	14	Chlorination
25	7 MLD, STP, Vindhyachal,	Mirzapur	SBR	7	Chlorination
26	10 KLD FSTP Chunar, Mirzapur	Chunar	FSTP	0.01	UV
27	80 MLD STP at Dinapur	Varanasi	TF & ASP	80	Chlorination
28	50 MLD STP, Ramanna	Varanasi	SBR	50	Chlorination
29	140 MLD STP at Dinapur	Varanasi	ASP	140	Chlorination
30	10 MLD STP, Ramnagar	Ramnagar, Varanasi	A2O	10	Chlorination
31	Bhagwanpur, Varanasi	Varanasi	ASP	9.8	Chlorination
32	120 MLD STP at Goithaha	Varanasi	SBR	120	UV Treatment System

• Performance assessment of STPs of Uttar Pradesh

	Technology (No.)	Range of BOD removal efficiency (%age)				Total	Overall complying		Overall non-complying		Non-complying Parameters either BOD,COD,TSS/FC		Non-operational
		<50	50-70	70-90	>90		Hon'ble NGT norms	MoEF&CC norms	Hon'ble NGT norms	MoEF&CC norms	Hon'ble NGT norms	MoEF&CC norms	
1	SBR (7)	0	3	0	4	7	2	4	5	3	2/2	1/2	0
2	ASP (8)	0	0	4	4	8	2	4	6	4	3/4	1/4	0
3	UASB (7)	0	3	3	0	6	3	3	3	3	2/3	2/3	1
4	MBBR/FAB (3)	1	1	0	1	3	1	1	2	2	2/2	1/2	0
5	ASP and BTT/TF (4)	0	0	0	4	4	2	3	2	1	0/1	0/1	0
6	WSP/OP (3)	1	0	1	0	2	0	0	2	2	2/2	1/2	1
7	FSTP (3)×	-	-	-	-	0	0	0	1	1	0/1	0/1	2
8	A2O (1)	-	-	1	-	1	0	0	1	1	0/1	0/1	0
9	FCR (3)	-	1	1	1	3	3	3	0	0	0/0	0/0	0

10	CWS (1)	-	-	-	-	-	-	-	-	-	-	-	1
	Total (40)	2	8	10	14	34	13	18	22	17	11/16	6/16	5

×No inlet sample at 1 FSTP - 10 KLD Chunar, hence BOD removal efficiency couldn't be calculated.

• **STPs with weak strength sewage (<40 mg/l)**

S. No.	Name of STPs	Ganga Front Town	Treatment Technology	Designed Capacity (MLD)	Inlet BOD (mg/l)
1	24 MLD STP Bijnor, Near Hemraj Colony	Bijnor	UASB	24	36
2	Brajghat (03 MLD) STP	Garhmukteshwar	UASB	3	4
3	Garhmukteshwar STP	Garhmukteshwar	UASB	6	16
4	Narora Town (4.0 MLD)	Narora	SBR	4	28
5	Jalalpur Amara (13 MLD) STP	Kannauj	SBR	13	32.3
6	14 MLD STP Phaphamau	Prayagraj	FCR	14	18.2
7	Bhagwanpur	Varanasi	ASP	9.8	28.7

• **STP operating 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 30.4.2019	Compliance w.r.t. MoEF norms dtd 13.10.2017
1	Brajghat (03 MLD) STP	Garhmukteshwar	UASB	3	1.8	Non-complying	Non-complying
2	Garhmukteshwar STP	Garhmukteshwar	UASB	6	3	Complying	complying
3	Narora NAPS Township STP	Narora	ASP	2.25	1.023	Non-complying	Non-complying
4	Narora Town (4.0 MLD)	Narora	SBR	4	1.94	Non-complying	Non-complying
5	Jalalpur Amara (13 MLD) STP	Kannauj	SBR	13	2.97	Non-complying	complying
6	130 MLD Jajmau STP Kanpur	Kanpur	ASP	130	81.13	Non-complying	Non-complying
7	Bingawan (210 MLD) STP, Kanpur	Kanpur	UASB	210	131.23	Non-complying	Non-complying
8	Sajari STP, Kanpur	Kanpur	ASP	42	23.14	Non-complying	complying
9	10 KLD FSTP Chunar, Mirzapur	Chunar	FSTP	0.01	0.0004	Non-complying	Non-complying
10	140 MLD STP at Dinapur	Varanasi	ASP	140	90.45	Non-complying	Complying
11	120 MLD STP at Goithaha	Varanasi	SBR	120	49.5	Non-complying	Complying

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 30.4.2019	Compliance w.r.t. MoEF norms dtd 13.10.2017
12	BLW (former known as DLW)	Varanasi	ASP	12	4	Complying	Complying

• **STP operating over 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 30.4.2019	Compliance w.r.t. MoEF norms dtd 13.10.2017
1	29 MLD STP , Salori	Prayagraj	FAB reactor	29	37.6	Complying	Complying
2	60 MLD STP, Rajapur	Prayagraj	UASB	60	79.89	Complying	Complying
3	10 MLD STP , Ponghat	Prayagraj	BTT followed by ASP	10	12.98	Non-complying	Non-complying
4	25 MLD STP , Kodra	Prayagraj	BTT followed by ASP	25	29.34	Complying	Complying
5	80 MLD STP , Naini	Prayagraj	ASP	80	104.44	Complying	Complying
6	50 MLD STP , Numayadhari	Prayagraj	BTT followed by ASP	50	59.52	Complying	Complying
7	14 MLD STP Phaphamau	Prayagraj	FCR	14	16.45	Complying	Complying
8	50 MLD STP, Ramanna	Varanasi	SBR	50	51.96	Non-complying	Non-complying
9	Bhagwanpur, Varanasi	Varanasi	ASP	9.8	11	Non-complying	Non-complying
10	Bhagwanpur	Varanasi	ASP	9.8	10.95	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.