

Status of Sewage Treatment Plants in West Bengal (October-December,2022)

- Commissioned STPs – 41 (28 towns) with designed capacity – 675.5 MLD
- Operational STPs – 24 (Designed capacity –392.9 MLD) with Utilized capacity as-240.5 MLD (~61.2% of operational)
- Compliance Status of operational STPs

	Compliance <i>w.r.t.</i> Hon'ble NGT vide order 30.04.2019	Compliance Status <i>w.r.t.</i> MoEF&CC norms dated 13.10.2017
Complying	4	12
Non-complying	20	12

- Non-operational STPs – 17 (Designed capacity –282.6 MLD)
- Non-operational STPs are under-rejuvenation- 4
- STPs complying for Faecal Coliform norms (<230 MPN/100ml) – 11
- STPs non-complying for Faecal Coliform norms (>230 MPN/100ml) – 13

Operational and Compliance status of Sewage Treatment Plants in West Bengal

S. No.	Name of STPs	Ganga Front Town	Treatment Technology	Designed Capacity (MLD)	Date of Inspection	Operational /Non-Operational Status	Compliance Status <i>w.r.t.</i> Hon'ble NGT norms dated 30.04.2019	Compliance Status <i>w.r.t.</i> MoEF&CC norms dated 13.10.2017
1.	Titagarh (ASP)	Titagarh	ASP	4.5	22.11.2022	Non-operational	NA	NA
2.	Titagarh (OP)	Titagarh	OP	4.5	22.11.2022	Non-operational	NA	NA
3.	Bandipur, 14MLD	Bandipur	WSP	14	15.11.2022	Non-operational	NA	NA
4.	Bansberia STP	Bansberia	WSP	0.3	5.12.2022	Operational	Complying	Complying
5.	Kamarhati STP	Kamarhati	TF	60	15.11.2022	Non-operational/ under rejuvenation	NA	NA
6.	Garulia STP	Garulia	WSP	4.1	22.11.2022	Operational	Non-complying BOD, COD, TSS,	Complying
7.	Bhadreswar STP	Bhadreshwar	AL	7.6	09.12.2022	Operational	Non-complying BOD, T.N, FC	Complying
8.	Baidyabati STP	Baidyabati	AL	6	09.12.2022	Operational	Non-complying TSS	Complying
9.	Howrah STP (Arupara)	Howrah	ASP	65	10.11.2022	Non-operational/ Under Rejuvenation	NA	NA
10.	Kona STP (Chakpara, Anandanagar)	Howrah	ASP	62	10.11.2022	Non-operational/ Under Rejuvenation	NA	NA

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&CC norms dated 13.10.2017
	Gram, Bally) Panchayat)							
11.	Champadani	Champdani	OP	1	09.12.2022	Non-Operational	NA	NA
12.	Panihati STP	Panihati	WSP	12	15.11.2022	Non-operational	NA	NA
13.	Gayeshpur	Kanchrapara	SBR	8.33	21.11.2022	Operational	Non-complying BOD, COD, T.N	Complying
14.	Halisahar, 16 MLD	Halishar	SBR	16	28.11.2022	Operational	Non-complying BOD, FC	Non-complying FC
15.	Serampore STP	Serampore	TF	18	07.12.2022	Non-operational	NA	NA
16.	Konnagar (Rishra)	Konnagar	WSP	22	06.12.2022	Operational	Non-complying BOD, TSS	Complying
17.	Murshidabad STP	Murshidabad	Oxidation Pond	1.96	06.12.2022	non-operational	NA	NA
18.	Berhampore	Berhampore	WSP	3.7	05.12.2022	Non-Operational	NA	NA
19.	Jiaganj-Azimganj STP	Jiaganj-Azimganj	WSP	1.39	07.12.2022	Non-operational/Under-rejuvenation	NA	NA
20.	Naihati STP	Naihati	ASP	11.56	14.11.2022	Operational	Non-complying BOD, COD, TSS, T.N, FC	Non-complying FC
21.	Naihati-2 (Near Ramghat) , 6.5 MLD	Naihati	OP	6.5	14.12.2022	Non-operational	NA	NA
22.	Chandannagar STP (OP)	Chandannagar	WSP	4.54	05.12.2022	Operational	Non-complying BOD, FC	Non-complying FC
23.	Chandannagar STP (TF)	Chandannagar	TF	18.6	05.12.2022	Operational	Non-complying BOD, FC	Non-complying FC
24.	Jaggadal – Bhatpara	Bhatpara	FBBAS	31	21.11.2022	Operational	Non-complying T.N	Complying
25.	Jagaddal, Bhatpara	Bhatpara	ASP	9.5	21.11.2022	Operational	Non-complying BOD, COD,T.N, TSS and FC	Non-complying BOD and FC

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&CC norms dated 13.10.2017
26.	Kankinara, Madrail,	Bhatpara	WSP	10	28.11.2022	Non-operational	NA	NA
27.	Barrackpore STP (6 MLD) , Lat Bagan	Barrackpore	SBR	6.1	14.11.2022	Operational	Complying	Complying
28.	Barrackpore STP (18 MLD) , Anandapuri	Barrackpore	SBR	18	14.11.2022	Operational	Non-complying TSS	Complying
29.	Garden Reach STP	Kolkata	ASP	57.5	29.11.2022	Operational	Non-complying TSS, FC	Non-complying FC
30.	Cossipore, Chitpur, Bangur	Kolkata	ASP	52	05.12.2022	Operational	Non-complying BOD, T.N., FC	Non-complying FC
31.	South Suburban /Kearapukur, Haridevpur	Kolkata	AL	45	10.11.2022	Operational	Non-complying BOD, COD, TSS, T.N. , FC	Non-complying FC
32.	"Shyamnagar STP Banerjee Para, Shyam Nagar,	Kolkata	FBAS	10	21.11.2022	Operational	Complying	Complying
33.	Baghajatin, 15MLD	Baghajatin	WSP	15	05.12.2022	Operational	Non-complying BOD, COD, TSS, T.N, FC	Non-complying BOD and FC
34.	Hatisur	Kolkata	Aeration through Long Channel Traverses (ALCT)	10	05.12.2022	Operational	Non-complying BOD, TN, FC	Non-complying FC
35.	Budge Budge STP, 9.33MLD	Budge-Budge	SBR	9.3	29.11.2022	Operational	Complying	Complying
36.	Nabadwip STP (10.5 MLD) (WSP)	Nabadwip	WSP	10.5	07.12.2022	Non-operational	NA	NA
37.	Nabadwip (9.5 MLD) ASP	Nabadwip	ASP	9.5	07.12.2022	Operational	Non-complying TSS, T.N	Complying
38.	Katwa STP (5.49 MLD) (WSP)	Katwa	WSP	5.49	06.12.2022	Non-operational	NA	NA
39.	Kalyani Block-	Kalyani	TF	11	28.11.2022	Operational	Non-complying	Non-complying

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&CC norms dated 13.10.2017
	B2,B3						BOD, TSS, T.N, COD, and FC	BOD
40.	Kalyani Town area	Kalyani	WSP	10	28.11.2022	Operational	Non-complying BOD, T.N, & FC	Non-complying FC
41.	"Diamond Harbour STP (2.03 MLD)	Diamond Harbour	WSP	2.03	10.11.2022	Non-operational	NA	NA

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

S.No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	BOD ($\leq 10\text{ mg/l}$)
1.	Bansberia STP	Bansberia	0.3	4
2.	Baidyabati STP	Baidyabati	6	6
3.	Jaggadal – Bhatpara	Bhatpara	31	4
4.	Barrackpore STP (6 MLD) , Lat Bagan	Barrackpore	6.1	4
5.	Barrackpore STP (18 MLD) , Anandapuri	Barrackpore	18	7
6.	Garden Reach STP	Kolkata	57.5	10
7.	Shyamnagar STP	Kolkata	10	1
8.	Budge Budge STP, 9.33MLD	Budge-Budge	9.3	1
9.	Nabadwip (9.5 MLD) ASP	Nabadwip	9.5	9

• STPs complying to BOD Norms (11-30mg/l) in West Bengal (Oct-Dec, 2022) w.r.t. MoEF norms

S. No.	Name of STPs/CETPs	Ganga Front Town	Designed Capacity (MLD)	BOD (11 mg/l to 30 mg/l)
1.	Garulia STP	Garulia	4.1	13
2.	Bhadreswar STP	Bhadreshwar	7.6	23
3.	Gayeshpur	Kanchrapara	8.33	11
4.	Halisahar, 16 MLD	Halishar	16	13
5.	Konnagar (Rishra)	Konnagar	22	13
6.	Naihati STP	Naihati	11.56	19
7.	Chandannagar STP (OP)	Chandannagar	4.54	13
8.	Chandannagar STP (TF)	Chandannagar	18.6	12
9.	Cossipore, Chitpur, Bangur	Kolkata	52	17

S. No.	Name of STPs/CETPs	Ganga Front Town	Designed Capacity (MLD)	BOD (11 mg/l to 30 mg/l)
10.	South Suburban /Kearapukur, Haridevpur	Kolkata	45	13
11.	Hatisur	Kolkata	10	19
12.	Kalyani Town area	Kalyani	10	13

- STPs non-complying to BOD (> 30 mg/l) in West Bengal (Oct-Dec, 2022) w.r.t. NGT norms

S. No.	Name of STPs/CETPs	Ganga Front Town	Designed Capacity (MLD)	BOD (> 30 mg/l)
1.	Jagaddal, Bhatpara	Bhatpara	9.5	54
2.	Baghajatin, 15MLD	Baghajatin	15	37
3.	Kalyani Block-B2,B3	Kalyani	11	34

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

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	COD (≤ 50 mg/l)
1.	Bansberia STP	Bansberia	0.3	32
2.	Bhadreswar STP	Bhadreshwar	7.6	40
3.	Baidyabati STP	Baidyabati	6	20
4.	Halisahar, 16 MLD	Halishar	16	29
5.	Konnagar (Rishra)	Konnagar	22	32
6.	Chandannagar STP (OP)	Chandannagar	4.54	24
7.	Chandannagar STP (TF)	Chandannagar	18.6	24
8.	Jaggadal – Bhatpara	Bhatpara	31	49
9.	Barrackpore STP (6 MLD) , Lat Bagan	Barrackpore	6.1	34
10.	Barrackpore STP (18 MLD) , Anandapuri	Barrackpore	18	49
11.	Garden Reach STP	Kolkata	57.5	38
12.	Cossipore, Chitpur, Bangur	Kolkata	52	34
13.	Shyamnagar STP	Kolkata	10	23
14.	Hatisur	Kolkata	10	42
15.	Budge Budge STP, 9.33MLD	Budge-Budge	9.3	19
16.	Nabadwip (9.5 MLD) ASP	Nabadwip	9.5	40
17.	Kalyani Town area	Kalyani	10	29

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

S. No.	Name of STPs/CETPs	Ganga Front Town	Designed Capacity (MLD)	COD (> 50 mg/l)
1.	Garulia STP	Garulia	4.1	68
2.	Gayeshpur	Kanchrapara	8.33	72
3.	Naihati STP	Naihati	11.56	84
4.	Jagaddal, Bhatpara	Bhatpara	9.5	103
5.	South Suburban /Kearapukur, Haridevpur	Kolkata	45	53
6.	Baghajatin, 15MLD	Baghajatin	15	59
7.	Kalyani Block-B2,B3	Kalyani	11	67

- STPs complying to TSS (≤ 20 mg/l) in West Bengal (Oct-Dec, 2022) w.r.t. NGT and MoEF norms

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	TSS (≤ 20 mg/l)
1.	Bansberia STP	Bansberia	0.3	15
2.	Bhadreswar STP	Bhadreshwar	7.6	10
3.	Gayeshpur	Kanchrapara	8.33	12
4.	Halisahar, 16 MLD	Halishar	16	13
5.	Chandannagar STP (OP)	Chandannagar	4.54	19
6.	Chandannagar STP (TF)	Chandannagar	18.6	12
7.	Jaggadal – Bhatpara	Bhatpara	31	16
8.	Barrackpore STP (6 MLD) , Lat Bagan	Barrackpore	6.1	12
9.	Cossipore, Chitpur, Bangur	Kolkata	52	13
10.	Shyamnagar STP	Kolkata	10	<5
11.	Hatisur	Kolkata	10	16
12.	Budge Budge STP, 9.33MLD	Budge-Budge	9.3	19
13.	Kalyani Town area	Kalyani	10	16

- STPs complying to TSS (21 mg/l - 100 mg/l) in West Bengal (Oct-Dec, 2022) w.r.t. MoEF norms

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	TSS (21 mg/l - 100 mg/l)
1.	Garulia STP	Garulia	4.1	26
2.	Baidyabati STP	Baidyabati	6	26
3.	Konnagar (Rishra)	Konnagar	22	26
4.	Naihati STP	Naihati	11.56	37
5.	Jagaddal, Bhatpara	Bhatpara	9.5	28

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	TSS (21 mg/l - 100 mg/l)
6.	Barrackpore STP (18 MLD) , Anandapuri	Barrackpore	18	26
7.	Garden Reach STP	Kolkata	57.5	24
8.	South Suburban /Kearapukur, Haridevpur	Kolkata	45	22
9.	Baghajatin, 15MLD	Baghajatin	15	21
10.	Nabadwip (9.5 MLD) ASP	Nabadwip	9.5	33
11.	Kalyani Block-B2,B3	Kalyani	11	33

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

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	FC (≤ 230 MPN/100 ml)
1.	Bansberia STP	Bansberia	0.3	<1.8
2.	Garulia STP	Garulia	4.1	<1.8
3.	Baidyabati STP	Baidyabati	6	220
4.	Gayeshpur	Kanchrapara	8.33	22
5.	Konnagar (Rishra)	Konnagar	22	45
6.	Jaggadal – Bhatpara	Bhatpara	31	<1.8
7.	Barrackpore STP (6 MLD) , Lat Bagan	Barrackpore	6.1	<1.8
8.	Barrackpore STP (18 MLD) , Anandapuri	Barrackpore	18	<1.8
9.	Shyamnagar STP	Kolkata	10	<1.8
10.	Budge Budge STP, 9.33MLD	Budge-Budge	9.3	<1.8
11.	Nabadwip (9.5 MLD) ASP	Nabadwip	9.5	<1.8

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

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	FC (> 1000 MPN/100 ml)
1.	Bhadreswar STP	Bhadreshwar	7.6	790
2.	Halisahar, 16 MLD	Halishar	16	16000
3.	Naihati STP	Naihati	11.56	33×10^3
4.	Chandannagar STP (OP)	Chandannagar	4.54	1600×10^2
5.	Chandannagar STP (TF)	Chandannagar	18.6	540×10^3
6.	Jagaddal, Bhatpara	Bhatpara	9.5	4900
7.	Garden Reach STP	Kolkata	57.5	2300
8.	Cossipore, Chitpur, Bangur	Kolkata	52	350×10^3
9.	South Suburban /Kearapukur, Haridevpur	Kolkata	45	3300

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	FC (> 1000 MPN/100 ml)
10.	Baghajatin, 15MLD	Baghajatin	15	540x10 ³
11.	Hatisur	Kolkata	10	540 x 10 ³
12.	Kalyani Block-B2,B3	Kalyani	11	540
13.	Kalyani Town area	Kalyani	10	49000

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.