

Status of Sewage Treatment Plants in West Bengal (July-September,2022)

- Commissioned STPs – 41 (28 towns) with designed capacity – 676 MLD
- Operational STPs – 28 (Designed capacity –422.9 MLD) with Utilized capacity as-283 MLD (~66.9% of operational)
- 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	10
Non-complying	25	18

- Non-operational STPs – 13 (Designed capacity –253.1 MLD)
- Non-operational STPs are under-rejuvenation- 5
- STPs complying for Faecal Coliform norms (<230 MPN/100ml) – 10
- STPs non-complying for Faecal Coliform norms (>230 MPN/100ml) – 18

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 w.r.t Hon'ble NGT norms dated 30.04.2019	Compliance Status w.r.t MoEF norms dated 13.10.2017
1.	Titagarh (ASP)	Titagarh	ASP	4.5	10.05.2022	Operational	Non-complying BOD,COD, TSS, T.N, and FC	Non-complying FC
2.	Titagarh (OP)*	Titagarh	OP	4.5	10.05.2022	Operational	Complying	Complying
3.	Bandipur, 14MLD	Bandipur	WSP	14	05.09.2022	Operational	Non-complying pH, TSS, COD, BOD and FC	Non-complying pH, TSS and FC
4.	Bansberia STP	Bansberia	WSP	0.3	08.08.2022	Operational	Non-complying BOD & FC	Non-complying FC
5.	Kamarhati STP	Kamarhati	TF	60	23.07.2021	Non-Operational/Under Rejuvenation	-	-
6.	Garulia STP	Garulia	WSP	4.1	06.09.2022	Operational	Non-complying COD, TSS, FC	Non-complying FC
7.	Bhadreswar STP	Bhadreshwar	OP	7.6	08.08.2022	Operational	Non-complying pH, BOD, COD, TSS & FC	Non-complying pH, 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 norms dated 13.10.2017
8.	Baidyabati STP	Baidyabati	AL	6	08.08.2022	Operational	Non-complying FC	Non-complying FC
9.	Howrah STP (Arupara)	Howrah	ASP	65	02.03.2022	Non-operational/ Under Rejuvenation	-	-
10.	Kona STP (Chakpara, Anandanagar Gram, Bally) Panchayat)	Howrah	ASP	62	02.03.2022	Non-operational/ Under Rejuvenation	-	-
11.	Champadani	Champdani	OP	1	02.05.2022	Non-Operational	-	-
12.	Panihati STP	Panihati	WSP	12	05.09.2022	Operational	Non-complying FC	Non-complying FC
13.	Gayeshpur STP	Gayeshpur	SBR	8.33	16.08.2022	Operational	Complying	Complying
14.	Halishahar STP, 16 MLD	Halishahar	SBR	16	29.08.2022	Operational	Non-complying FC	Non-complying FC
15.	Serampore STP	Serampore	TF	18.5	04.05.2022	Non-operational	-	-
16.	Konnagar (Rishra)	Konnagar	WSP	22	08.08.2022	STP was under trial.	Non-complying BOD, COD, TSS, FC	Non-complying FC
17.	Murshidabad STP	Murshidabad	Oxidation Pond	1.96	10.05.2022	non-operational	-	-
18.	Berhampore	Berhampore	WSP	3.7	09.05.2022	Non-Operational	-	-
19.	Jiaganj- Azimganj STP	Jiaganj- Azimganj	WSP	1.39	12.09.2022	Non-operational/ Under Rejuvenation	-	-
20.	Naihati STP	Naihati	ASP	11.56	22.08.2022	Operational	Non-complying BOD, COD, TSS, T.N.	Complying
21.	Naihati-2 (Near Ramghat), 6.5 MLD	Naihati	WSP	6.5	22.08.2022	Non-operational	-	-
22.	Chandannagar STP (OP)	Chandannagar	WSP	4.54	10.08.2022	Operational	Non-complying FC	Non-complying FC
23.	Chandannagar STP (TF)	Chandannagar	TF	18.6	10.08.2022	Operational	Non-complying FC	Non-complying FC
24.	Jaggadal – Bhatpara	Bhatpara	FBBAS	31	16.08.2022	Operational	Non-complying COD	Complying
25.	Jagaddal, Bhatpara	Bhatpara	ASP	9.5	16.08.2022	Operational	Non-complying BOD, COD, TSS and FC	Non-complying 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 norms dated 13.10.2017
26.	Kankinara, Madrail,	Bhatpara	WSP	10	16.08.2022	Operational	Non-complying TSS, and FC	Non-complying FC
27.	Barrackpore STP (6 MLD) , Lat Bagan	Barrackpore	SBR	6.1	30.08.2022	Operational	Complying	Complying
28.	Barrackpore STP (18 MLD) , Anandapuri	Barrackpore	SBR	18	30.08.2022	Operational	Non-complying COD	Complying
29.	Garden Reach STP	Kolkata	ASP	57.5	23.08.2022	Operational	Non-complying T.N, TSS, FC	Non-complying FC
30.	Cossipore, Chitpur, Bangur	Kolkata	ASP	52	05.09.2022	Operational	Non-complying FC	Non-complying FC
31.	South Suburban /Kearapukur, Haridevpur	Kolkata	AL	45	22.08.2022	Operational	Non-complying COD, TSS, FC	Non-complying FC
32.	Shyamnagar STP Banerjee Para, Shyam Nagar, Kolkata, West Bengal	Kolkata	FBAS	10	06.09.2022	Operational	Non-complying BOD	Complying
33.	Baghajatin, 15MLD	Baghajatin	WSP	15	22.08.2022	Non-operational/ Under Rejuvenation	-	-
34.	Hatisur	Kolkata	Aeration through Long Channel Traverses (ALCT)	10	05.09.2022	Operational	Non-complying BOD,COD, TSS , and FC	Non-complying FC
35.	Budge Budge STP, 9.33MLD	Budge-Budge	SBR	9.3	16.08.2022	Operational	Non-complying TSS	Complying
36.	Nabadwip STP (10.5 MLD) (WSP)	Nabadwip	WSP	10.5	11.05.2022	Non-operational	-	-
37.	Nabadwip (9.5 MLD) ASP	Nabadwip	ASP	9.5	13.09.2022	Operational	Non-complying COD, TSS, T.N.	Complying
38.	Katwa STP (5.49 MLD) (WSP)	Katwa	WSP	5.49	11.05.2022	Non-operational	-	-
39.	Kalyani Block-B2,B3	Kalyani	TF	11	29.08.2022	Operational	Non-complying BOD, TSS, T.N, and COD	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 norms dated 13.10.2017
40.	Kalyani Town area	Kalyani	WSP	10	29.08.2022	Operational	Non-complying BOD, COD, TSS T.N, & FC	Non-complying BOD & FC
41.	Diamond Harbour STP (2.03 MLD) Near Police Station, Diamond Harbour	Diamond Harbour	WSP	2.03	23.05.2022	Non-operational	-	-

• STPs complying to BOD Norms (<10mg/l) in West Bengal (July-September,2022) w.r.t. NGT and MoEF norms

S.No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	BOD (≤10 mg/l)
1.	Garulia STP	Garulia	4.1	3
2.	Baidyabati STP	Baidyabati	6	9
3.	Panihati STP	Panihati	12	3
4.	Gayeshpur	Gayeshpur	8.33	5
5.	Halishahar, 16 MLD	Halishahar	16	3
6.	Chandannagar STP (OP)	Chandannagar	4.54	8
7.	Chandannagar STP (TF)	Chandannagar	18.6	5
8.	Jaggadal – Bhatpara	Bhatpara	31	5
9.	Kankinara, Madrail,	Bhatpara	10	8
10.	Barrackpore STP (6 MLD) , Lat Bagan	Barrackpore	6.1	3
11.	Barrackpore STP (18 MLD) , Anandapuri	Barrackpore	18	5
12.	Garden Reach STP	Kolkata	57.5	8
13.	Cossipore, Chitpur, Bangur	Kolkata	52	6
14.	South Suburban /Kearapukur, Haridevpur	Kolkata	45	6
15.	Budge Budge STP, 9.33MLD	Budge-Budge	9.3	<2.5
16.	Nabadwip (9.5 MLD) ASP	Nabadwip	9.5	3

• STPs complying to BOD Norms (11-30mg/l) in West Bengal (July-September,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.	Titagarh (ASP)	Titagarh	4.5	24
2.	Bandipur, 14MLD	Bandipur	14	22
3.	Bansberia STP	Bansberia	0.3	12
4.	Bhadreswar STP	Bhadreshwar	7.6	26
5.	Konnagar (Rishra)	Konnagar	22	16
6.	Naihati STP	Naihati	11.56	15

S. No.	Name of STPs/CETPs	Ganga Front Town	Designed Capacity (MLD)	BOD (11 mg/l to 30 mg/l)
7.	Jagaddal, Bhatpara	Bhatpara	9.5	29
8.	Shyamnagar STP	Kolkata	10	12
9.	Hatisur	Kolkata	10	16
10.	Kalyani Block-B2,B3	Kalyani	11	25

- STPs non-complying to BOD (≥ 30 mg/l) in West Bengal (July-September,2022) w.r.t. NGT norms

S. No.	Name of STPs/CETPs	Ganga Front Town	Designed Capacity (MLD)	BOD (≥ 30 mg/l)
1.	Kalyani Town area	Kalyani	10	37

- STPs complying to COD (≤ 50 mg/l) in West Bengal (July-September,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	47
2.	Baidyabati STP	Baidyabati	6	23
3.	Panihati STP	Panihati	12	27
4.	Gayeshpur STP	Gayeshpur	8.33	48
5.	Halishahar, 16 MLD	Halishahar	16	27
6.	Chandannagar STP (OP)	Chandannagar	4.54	27
7.	Chandannagar STP (TF)	Chandannagar	18.6	31
8.	Kankinara, Madrail,	Bhatpara	10	44
9.	Barrackpore STP (6 MLD) , Lat Bagan	Barrackpore	6.1	27
10.	Garden Reach STP	Kolkata	57.5	32
11.	Cossipore, Chitpur, Bangur	Kolkata	52	16
12.	Shyamnagar STP	Kolkata	10	23
13.	Budge Budge STP, 9.33MLD	Budge-Budge	9.3	36

- STPs non-complying to COD (≥ 50 mg/l) in West Bengal (July-September,2022) w.r.t. NGT norms

S. No.	Name of STPs/CETPs	Ganga Front Town	Designed Capacity (MLD)	COD (≥ 50 mg/l)
1.	Titagarh (ASP)	Titagarh	4.5	110
2.	Bandipur, 14MLD	Bandipur	14	66
3.	Garulia STP	Garulia	4.1	58
4.	Bhadreswar STP	Bhadreshwar	7.6	121
5.	Konnagar (Rishra)	Konnagar	22	63
6.	Naihati STP	Naihati	11.56	88
7.	Jaggadal – Bhatpara	Bhatpara	31	60
8.	Jagaddal, Bhatpara	Bhatpara	9.5	84
9.	Barrackpore STP (18 MLD) , Anandapuri	Barrackpore	18	55
10.	South Suburban /Kearapukur, Haridevpur	Kolkata	45	68
11.	Hatisur	Kolkata	10	74
12.	Nabadwip (9.5 MLD) ASP	Nabadwip	9.5	58
13.	Kalyani Block-B2,B3	Kalyani	11	114
14.	Kalyani Town area	Kalyani	10	98

- STPs complying to TSS (≤ 20 mg/l) in West Bengal (July-September,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	16
2.	Baidyabati STP	Baidyabati	6	16
3.	Panihati STP	Panihati	12	4
4.	Gayeshpur STP	Gayeshpur	8.33	17
5.	Halisahar, 16 MLD	Halisahar	16	7
6.	Chandannagar STP (OP)	Chandannagar	4.54	6
7.	Chandannagar STP (TF)	Chandannagar	18.6	11
8.	Jaggadal – Bhatpara	Bhatpara	31	18
9.	Barrackpore STP (6 MLD) , Lat Bagan	Barrackpore	6.1	8
10.	Barrackpore STP (18 MLD) , Anandapuri	Barrackpore	18	19
11.	Cossipore, Chitpur, Bangur	Kolkata	52	8
12.	Shyamnagar STP Banerjee Para, Shyam Nagar, Kolkata, West Bengal	Kolkata	10	12

- STPs complying to TSS (21 mg/l - 100 mg/l) in West Bengal (July-September,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.	Titagarh (ASP)	Titagarh	4.5	96
2.	Garulia STP	Garulia	4.1	62
3.	Bhadreswar STP	Bhadreshwar	7.6	83
4.	Konnagar (Rishra)	Konnagar	22	26
5.	Naihati STP	Naihati	11.56	35
6.	Jagaddal, Bhatpara	Bhatpara	9.5	33
7.	Kankinara, Madrail,	Bhatpara	10	79
8.	Garden Reach STP	Kolkata	57.5	93
9.	South Suburban /Kearapukur, Haridevpur	Kolkata	45	22
10.	Hatisur	Kolkata	10	25
11.	Budge Budge STP, 9.33MLD	Budge-Budge	9.3	38
12.	Nabadwip (9.5 MLD) ASP	Nabadwip	9.5	27
13.	Kalyani Block-B2,B3	Kalyani	11	45
14.	Kalyani Town area	Kalyani	10	24

- STPs non-complying to TSS (≥ 100 mg/l) in West Bengal (July-September,2022) w.r.t. MoEF norms

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	TSS (≥ 100 mg/l)
1	Bandipur, 14MLD	Bandipur	14	209

- STPs complying to FC (≤ 230 MPN/100 ml) in West Bengal (July-September,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.	Gayeshpur	Gayeshpur	8.33	45
2.	Naihati STP	Naihati	11.56	8
3.	Jaggadal – Bhatpara	Bhatpara	31	2
4.	Barrackpore STP (6 MLD) , Lat Bagan	Barrackpore	6.1	<1.8

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	FC (≤ 230 MPN/100 ml)
5.	Barrackpore STP (18 MLD) , Anandapuri	Barrackpore	18	2
6.	Shyamnagar STP Banerjee Para, Shyam Nagar, Kolkata, West Bengal	Kolkata	10	<1.8
7.	Budge Budge STP, 9.33MLD	Budge-Budge	9.3	<1.8
8.	Nabadwip (9.5 MLD) ASP	Nabadwip	9.5	<1.8
9.	Kalyani Block-B2,B3	Kalyani	11	<1.8

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

S. No.	Name of STPs	Ganga Front Town	Designed Capacity (MLD)	FC (≥ 1000 MPN/100 ml)
1.	Titagarh (ASP)	Titagarh	4.5	35×10^4
2.	Bandipur, 14MLD	Bandipur	14	13×10^3
3.	Bansberia STP	Bansberia	0.3	54×10^3
4.	Garulia STP	Garulia	4.1	54000
5.	Bhadreswar STP	Bhadreshwar	7.6	1300
6.	Baidyabati STP	Baidyabati	6	1300
7.	Panihati STP	Panihati	12	13000
8.	Halisahar, 16 MLD	Halishar	16	16000
9.	Konnagar (Rishra)	Konnagar	22	14000
10.	Chandannagar STP (OP)	Chandannagar	4.54	16000
11.	Chandannagar STP (TF)	Chandannagar	18.6	16×10^4
12.	Jagaddal, Bhatpara	Bhatpara	9.5	49×10^3
13.	Kankinara, Madrail,	Bhatpara	10	28×10^3
14.	Garden Reach STP	Kolkata	57.5	49×10^4
15.	Cossipore, Chitpur, Bangur	Kolkata	52	4900
16.	South Suburban /Kearapukur, Haridevpur	Kolkata	45	5400
17.	Hatisur	Kolkata	10	22×10^4
18.	Kalyani Town area	Kalyani	10	33×10^6

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.