



Environmental Monitoring Report

PUBLIC

Semestral Report: May 2024 – October 2024
January 2025

India: West Bengal Drinking Water Sector Improvement Project

Part 2 of 3: Main Report (continued) and Appendices 1 - 6

Prepared by Public Health Engineering Department, Government of West Bengal for the Asian Development Bank (ADB).

Asian Development Bank

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Table 27D: Ground Water Quality Monitoring Data for BK/02B- Bankura- During Construction- May to October 2024

80 Sl. No.	Parameters	Unit	Contract Package: WBDWSIP/DWW/NCB/BK/02B/2018-19					National Standards for Drinking Water- BIS 10500-2012 Acceptable limit (Maximum permissible limit)
			Results (During Construction)					
			Location: Bibarda Date of sampling 23-10-24	Location: Chenchuriya Date of sampling 23-10-24	Location: Asnasundarpur Date of sampling 22-10-2024	Location: Manikmara Date of sampling 22-10-2024	Location: Dhengashimul Date of sampling 21-10-2024	
1	pH	-	7.31	7.81	7.52	7.75	7.26	6.5-8.5
2	Color	Hazan Unit	<1	<1	<1	<1	<1	5 (15)
3	Taste and Odor	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	<1	<1	<1	<1	<1	1 (5)
5	TDS	Mg/l	196	220	144	172	262	500 (2000)
6	Total Hardness	Mg/l	150.0	146.5	83.1	106.9	166.3	200 (600)
7	Chloride	Mg/l	45.0	54.7	43.0	54.7	52.8	250 (1000)
8	Alkalinity	Mg/l	99.0	126.7	87.1	114.8	154.4	200 (600)
9	Sulphate	Mg/l	33.6	29.3	26.2	33.6	40.6	200 (400)
10	Nitrate	Mg/l	<0.5	<0.5	<0.5	<0.5	<0.5	45
11	Fluoride	Mg/l	<0.1	0.25	0.22	0.18	0.60	1 (1.5)
12	Calcium	Mg/l	34.8	39.6	25.3	20.5	42.7	75(200)
13	Iron	Mg/l	0.40	0.63	0.41	0.16	0.36	0.3
14	Residual Free Cl	Mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	0.2(1.0)
15	Ammonia	Mg/l	<0.5	<0.5	<0.5	<0.5	<0.5	0.5
16	Chromium	Mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	0.05
17	Copper	Mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	0.05 (1.5)
18	Arsenic	Mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	0.01 (0.05)
19	Zinc	Mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	5 (15)
20	Mercury	Mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
21	Manganese	Mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	0.1 (0.3)
22	Cadmium	Mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	0.03(0.2)
23	Aluminum	Mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	0.03 (0.2)
24	Cyanide	Mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	0.05 (No relaxation)
25	E-Coli	MPN/100 ml	ND	ND	ND	ND	ND	Must not be detectable in 100 ml sample
26	Total Coliform	MPN/ 100 ml	ND	ND	ND	ND	ND	Must not be detectable in 100 ml sample

Table 27E: Ground Water Quality Monitoring Data for BK/04- Bankura- During Construction- May to October 2024

80 Sl. No.	Parameters	Unit	Contract Package: WBDWSIP/DWW/NCB/BK/02B/2018-19					National Standards for Drinking Water- BIS 10500-2012 Acceptable limit (Maximum permissible limit)
			Results (During Construction)					
			Kapistha (30-10-2024)	Gangajalghati (30-10-2024)	Chhota Nabagram (31-10-22024)	Banasuriya 31-10-2024	Benagari (31-10-2024)	
1	pH	-	7.35	7.51	7.36	7.74	7.39	6.5-8.5
2	Color	Hazan Unit	<1	<1	<1		<1	5 (15)
3	Taste and Odor	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	<1	<1	<1	<1	<1	1 (5)
5	TDS	Mg/l	204	238	210	262	245	500 (2000)
6	Total Hardness	Mg/l	145.5	174.2	122.7	174.2	170.3	200 (600)
7	Chloride	Mg/l	41.1	43.0	46.9	50.8	48.9	250 (1000)
8	Alkalinity	Mg/l	114.8	154.4	150.4	166.3	194.0	200 (600)
9	Sulphate	Mg/l	24.2	20.6	15.6	32.8	18.5	200 (400)
10	Nitrate	Mg/l	<0.5	<0.5	<0.5	<0.5	<0.5	45
11	Fluoride	Mg/l	<0.1	<0.1	<0.1	0.37	0.13	1 (1.5)
12	Calcium	Mg/l	36.4	34.8	31.7	39.6	45.9	75(200)
13	Iron	Mg/l	0.19	0.41	<0.05	<0.05	0.31	0.3
14	Residual Free Cl	Mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	0.2(1.0)
15	Ammonia	Mg/l	<0.5	<0.5	<0.5	<0.5	<0.5	0.5
16	Chromium	Mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	0.05
17	Copper	Mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	0.05 (1.5)
18	Arsenic	Mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	0.01 (0.05)
19	Zinc	Mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	5 (15)
20	Mercury	Mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
21	Manganese	Mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	0.1 (0.3)
22	Cadmium	Mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	0.03(0.2)
23	Aluminum	Mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	0.03 (0.2)
24	Cyanide	Mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	0.05 (No relaxation)
25	E-Coli	MPN/100 ml	ND	ND	ND	ND	ND	Must not be detectable in 100 ml sample
26	Total Coliform	MPN/ 100 ml	ND	ND	ND	ND	ND	Must not be detectable in 100 ml sample

Table 27F: Surface Water Quality Monitoring data–PKG BK/01, Bankura- During construction- May to October 2024

Sl. no.	Date of sampling	Site Location	Parameters													
			pH	Total Hardness as CaCO ₃ (mg/L)	Total Alkalinity (mg/L)	DO (min) (mg/L)	COD (mg/l)	BOD (mg/l)	Oil & Grease (mg/l)	Turbidity (NTU)	Chloride as Cl (mg/L)	Nitrate as NO ₃ (mg/L)	Fluoride as F (mg/L)	Total coliform (MPN/100 ml)	Faecal coliform (MPN/100ml)	
Contract Package: WBDWSIP/DWW/NCB/BK/01/2018-19																
1	20-10-2024	Intake site at Mukutmanipur	7.85	83.2	92.0	5.8	23	<2	<1.4	7.6	21.5	<0.5	<0.1	148	63	
2	10-09-2024							<2	<1.4	1.2			<0.5	<0.1		
3	21-08-2024		8.3	55.2	95	5.3	28	<2	<1.4	<1.0	17.4	17.6	<0.5	<0.1	255	95
4	20-07-2024		8.6	78.4	90	5.1	17	<2	<1.4	9.8	17.6	17.6	<0.5	<0.1	207	90
5	20-06-2024		8.14	78.4	90	5.6	20	<2	<1.4	9.8	17.6	17.6	<0.5	<0.1	202	90
6	20-05-2024		8.14	78.4	90	5.6	20	<2	<1.4	9.8	17.6	17.6	<0.5	<0.1	202	90
Surface water quality criteria as per IS:2296 (Class C- drinking water with conventional treatment followed by disinfection)			6.0-9.0	-	-	4.0	-	3.0	0.1	-	600	50	1.5	5000	-	

Table 27G: Surface Water Quality Monitoring data –PKG BK/02A, Bankura- During Construction – May to October 2024

Sl. no.	Date of sampling	Site Location	Parameters												
			pH	Total Hardness as CaCO ₃ (mg/L)	Total Alkalinity (mg/L)	DO (min) (mg/L)	COD (mg/l)	BOD (mg/l)	Oil & Grease (mg/l)	Turbidity (NTU)	Chlorides Cl (mg/L)	Nitrate as NO ₃ (mg/L)	Fluoride as F (mg/L)	Total coliform (MPN/ 100 ml)	Fecal coliform (MPN/100ml)
Contract Package: WBDWSIP/DWW/NCB/BK/02A/2018-19															
1	17-10-24	Kantakuli	7.21	75.2	126.7	5.1	15.3	2.9	2.3	5.9	43.0	0.58	<0.1	32	12
2	18-10-24	Nayekhir	7.62	91.1	110.8	4.4	11.5	2.1	2.7	3.7	45.0	<0.5	<0.1	39	21
3	18-10-24	Raghunathpur	7.31	63.3	95.0	3.6	9.6	1.9	2.3	4.7	41.1	<0.5	<0.1	63	31
4	19-10-24	Tunamara	7.09	154.4	182.1	6.1	17.2	4.6	2.6	4.8	54.7	0.71	<0.1	70	33
5	19-10-24	Gunnath	7.81	182.1	194.0	6.3	19.2	3.5	3.5	5.2	66.5	0.53	<0.1	63	26
Surface water quality criteria as per IS:2296 (Class B- outdoor bathing)			6.5-8.5	-	-	5.0	-	3.0	-	-	-	-	1.5	500	-

Table 27H: Surface Water Quality Monitoring data –PKG BK/02B, Bankura- During Construction- May to October 2024

Sl. no.	Date of sampling	Site Location	Parameters												
			pH	Total Hardness as CaCO ₃ (mg/L)	Total Alkalinity (mg/L)	DO (min) (mg/L)	COD (mg/l)	BOD (mg/l)	Oil & Grease (mg/l)	Turbidity (NTU)	Chloride as Cl (mg/L)	Nitrate as NO ₃ (mg/L)	Fluoride as F (mg/L)	Total coliform (MPN/100 ml)	Faecal coliform (MPN/100ml)
Contract Package: WBDWSIP/DWW/NCB/BK/02B/2018-19															
1	23-10-24	Chenchuriya	7.83	102.9	99.0	5.4	11.5	3.2	2.5	4.3	46.9	<0.5	0.52	58	21
8	22-10-24	Asnasundarpur	7.61	95.0	87.1	5.2	13.4	3.1	2.3	3.4	46.9	<0.5	0.19	38	17
10	22-10-24	Manikmara	7.74	110.8	103.0	5.1	7.7	2.6	2.6	4.9	41.1	<0.5	0.32	94	33
6	21-10-24	Dhengashimul	6.62	79.2	83.1	4.5	9.6	2.2	<1.4	4.1	43.0	<0.5	0.18	63	26
5	21-10-24	Bibarda	7.25	126.7	126.7	4.8	15.4	3.1	2.9	4.7	48.9	<0.5	0.34	94	47
Surface water quality criteria as per IS:2296 (Class B- outdoor bathing)			6.5-8.5	-	-	5.0	-	3.0	-	-	-	-	1.5	500	-

Table 27J: Monthly Surface Water Quality Monitoring data PKG BK/03, Bankura- During Construction- May to October 2024

Sl. no.	Date of sampling	Site Location	Parameters												
			pH	Total Hardness as CaCO ₃ (mg/L)	Total Alkalinity (mg/L)	DO (min) (mg/L)	COD (mg/l)	BOD (mg/l)	Oil & Grease (mg/l)	Turbidity (NTU)	Chloride as Cl (mg/L)	Nitrate as NO ₃ (mg/L)	Fluoride as F (mg/L)	Total coliform (MPN/ 100 ml)	Faecal coliform (MPN/100 ml)
Contract Package: WBDWSIP/DWW/NCB/BK/03/2018-19															
1	23-05-2024	Intake site,	7.33	114.8	105.0	5.2	12	3.4	<1.4	3.1	28.9	<0.5	0.18	40	14
2	11-06-2024		7.46	128.0	114.8	5.1	15	3.8	<1.4	3.15	31.3	<0.5	0.22	48	17
3	29-07-2024		7.17	178.4	172.5	5.4	20	<2	<1.4	<0.1	17.3	<0.5	<0.2	170	70
4	09-08-2024		7.59	86.2	68.0	4.3	27	6.7	<1.4	2.1	17.6	<0.5	<0.1	170	70
5	25-09-2024		7.37	67.3	55.4	5.7	16	3.2	<1.4	3.8	21.5	<0.5	0.14	48	14
6	17-10-2024		7.43	71.3	55.4	5.4	19	3.8	<1.4	4.1	29.4	<0.5	0.17	58	17
Surface water quality criteria as per IS:2296 (Class C- drinking water with conventional treatment followed by disinfection)			6.0-9.0	-	-	4.0	-	3.0	0.1	-	600	50	1.5	5000	-

Note:

BDL= Below Detectable Limit

*<1, indicates no colony developed in 1 ml sample.

<10, indicates no colony developed in 10 ml sample.

<100, indicates no colony developed in 100 ml sample.

Table 27K: Surface Water Quality Monitoring data –PKG BK/ 04, Bankura- During Construction- May to October 2024

Sl. no.	Date of sampling	Site Location	Parameters												
			pH	Total Hardness as CaCO ₃ (mg/L)	Total Alkalinity (mg/L)	DO (min) (mg/L)	COD (mg/l)	BOD (mg/l)	Oil & Grease (mg/l)	Turbidity (NTU)	Chloride as Cl (mg/L)	Nitrate as NO ₃ (mg/L)	Fluoride as F (mg/L)	Total coliform (MPN/100 ml)	Faecal coliform (MPN/100 ml)
Contract Package: WBDWSIP/DWW/NCB/BK/04/2018-19															
1	30-10-24	Kapistha	7.30	99	87.1	5.1	7.7	2.2	<1.4	1.6	52.8	1.08	<0.1	33	24
2	30-10-24	Gangajalghati	7.85	63.3	107.0	4.8	<4	<2	<1.4	2.5	45.0	1.4	<0.1	21	14
3	31-10-24	Chhota Nabagram	7.51	75.2	142.5	5.1	<4.1	<2.1	<1.4	4.3	62.6	0.98	<0.1	46	39
4	31-10-24	Banasuriya	7.61	79.2	122.7	4.2	11.5	2.5	<1.4	5.4	46.9	1.20	<0.1	27	14
5	31-10-24	Benagari	7.80	114.8	83.1	5.3	13.4	3.7	<1.4	3.9	52.8	1.14	<0.1	40	21
Surface water quality criteria as per IS:2296 (Class B- outdoor bathing)			6.5-8.5	-	-	5.0	-	3.0	-	-	-	-	1.5	500	-

Table 27L: Soil Quality Monitoring data –PKG BK/02A, Bankura- During Construction- May to October 2024

Sl. No.	Parameters	Unit	Contract Package: WBDWSIP/DWW/NCB/BK/02A/2018-19				
			Results (During Construction)				
			Location: Kantakuli Date of sampling: 17-10-24	Location: Nayekhir OHSR Date of sampling: 18-10-24	Location: Raghunathpur Date of sampling: 18-10-24	Location: Gunnath Date of Sampling: 19-10-24	Location: Tunamara Village Date of sampling: 19-10-24
1.	pH	--	8.22	6.83	8.13	7.79	7.48
2.	Elec. conductivity	µS/cm	0.62	0.87	0.79	0.22	0.41
3.	Moisture	%	3.1	3.6	2.8	3.9	2.6
4.	Permeability	cm/S	0.7	1.0	0.85	1.3	1.4
5.	Texture	--	Clay	Silty Clay	Clay Loam	Clay Loam	Clay loam
6.	Calcium as Ca	mg/kg	0.29	0.38	0.34	0.38	0.29
7.	Magnesium as Mg	mg/kg	0.08	0.14	0.11	0.12	0.08
8.	Nitrogen as N	Kg/hectare	168	308	252	364	294
9.	Potassium as K	mg/kg	139	146	117	159	137
10.	Sodium as Na	mg/kg	53.7	71.7	66.4	58.1	67.4
11.	Phosphate as PO ₄	mg/kg	71.9	86.8	76.3	82.5	77.9
12.	Organic Matter	%	0.72	1.28	0.83	1.54	1.18
13.	Oil & Grease	mg/kg	0.4	0.8	1.6	<0.4	<0.4

Table 27M: Soil Quality Monitoring data –PKG BK/02B, Bankura- During Construction- May to October 2024

Sl. No.	Parameters	Unit	Contract Package: WBDWSIP/DWW/NCB/BK/02B/2018-19				
			Results (During Construction)				
			Location: Bibarda Yard Date of sampling 21-10-24	Location: Dhengashimul Date of sampling 21-10-24	Location: Manikmara Date of sampling 22-10-24	Location: Asnasundarpur Date of sampling 22-10-24	Location: Chenchuriya Date of sampling 23-10-24
1.	pH	--	7.37	7.19	7.19	7.36	7.14
2.	Elec. Conductivity	µS/cm	0.56	1.02	1.12	0.49	0.33
3.	Moisture	%	3.2	4.3	3.7	2.7	2.4
4.	Permeability	cm/S	1.1	1.1	0.9	1.2	2.8
5.	Texture	%	clay loam	Sandy Clay Loam	Clay loam	Clay	Sandy Loam
6.	Calcium as Ca	mg/kg	0.32	0.31	0.36	0.29	0.30
7.	Magnesium as Mg	mg/kg	0.08	0.06	0.13	0.06	0.11
8.	Nitrogen as N	Kg/Hectare	168	322	406	266	140
9.	Potassium as K	mg/kg	118	104	142	141	96
10.	Sodium as Na	mg/kg	54.3	62.6	77.3	68.4	51.3
11.	Phosphate as PO ₄	mg/kg	70.9	67.3	79.4	79.2	57.4
12.	Organic Matter	%	0.79	0.69	0.86	0.66	0.78
13.	Oil & Grease	mg/kg	1.2	0.4	<0.4	<0.4	<0.4

Table 27N: Soil Quality Monitoring data –PKG BK/04, Bankura- During Construction - May to October 2024

Sl. No.	Parameters	Unit	Contract Package: WBDWSIP/DWW/NCB/BK/02B/2018-19				
			Results (During Construction)				
			Location: Gangajalghati Date of sampling: 30-10-24	Location: Kapistha OHSR Date of sampling: 30-10-24	Location: Chhotonabagram Date of sampling 31-10-24	Location: Banasuriya Date of sampling 31-10-24	Location: Benagari OHSR site Date of sampling 31-10-24
1.	pH	--	7.48	7.43	7.35	7.39	7.41
2.	Elec. Conductivity	µS/cm	0.32	0.44	0.31	0.28	0.36
3.	Moisture	%	2.8	3.2	2.6	3.4	3.7
4.	Permeability	cm/S	2.1	0.4	0.6	0.7	0.6
5.	Texture	%	Sandy Clay	Clay loam	Clay	Clay Loam	ClayLoam
6.	Calcium as Ca	mg/kg	0.38	0.32	0.26	0.31	0.27
7.	Magnesium as Mg	mg/kg	0.12	0.11	0.09	0.14	0.08
8.	Nitrogen as N	Kg/Hectare	268	308	252	378	294
9.	Potassium as K	mg/kg	103	119	137	156	119
10.	Sodium as Na	mg/kg	54.7	60.2	57.2	65.4	51.7
11.	Phosphate as PO ₄	mg/kg	40.4	69.8	71.2	77.3	75.2
12.	Organic Matter	%	1.18	1.29	1.08	1.14	0.92
13.	Oil & Grease	mg/kg	2.0	0.4	1.2	<0.4	0.4

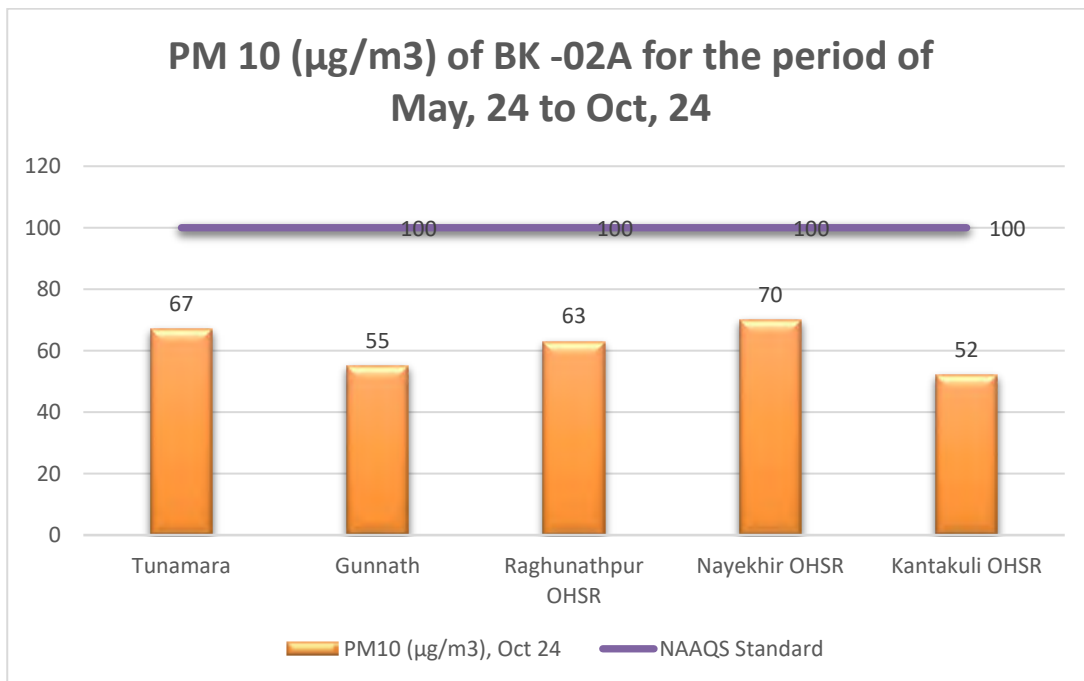
Comparative Analysis of Monitoring Results

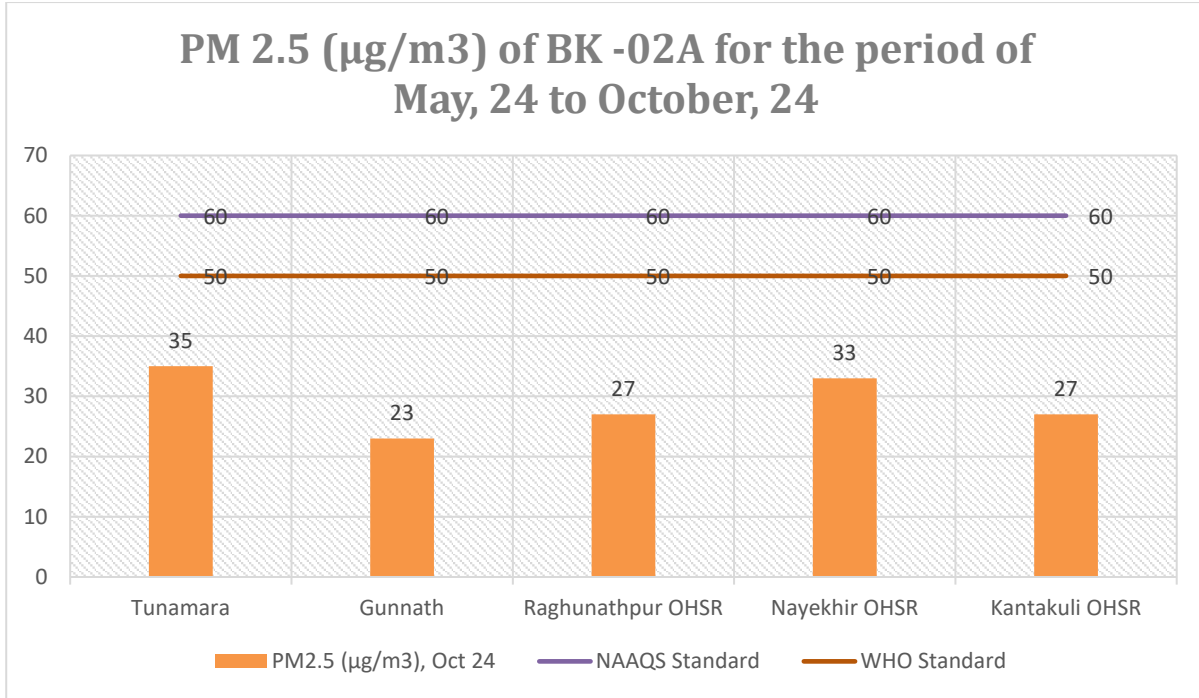
Air Quality Monitoring Results for the period of May to October 2024

144. During Construction ambient air quality monitoring has been done in all 5 sub project packages and results are presented below graphically. Ambient air quality has been consistently monitored at Intake/ WTP location for BK/01 and Intake and WTP for BK/03 under bulk water supply subproject.

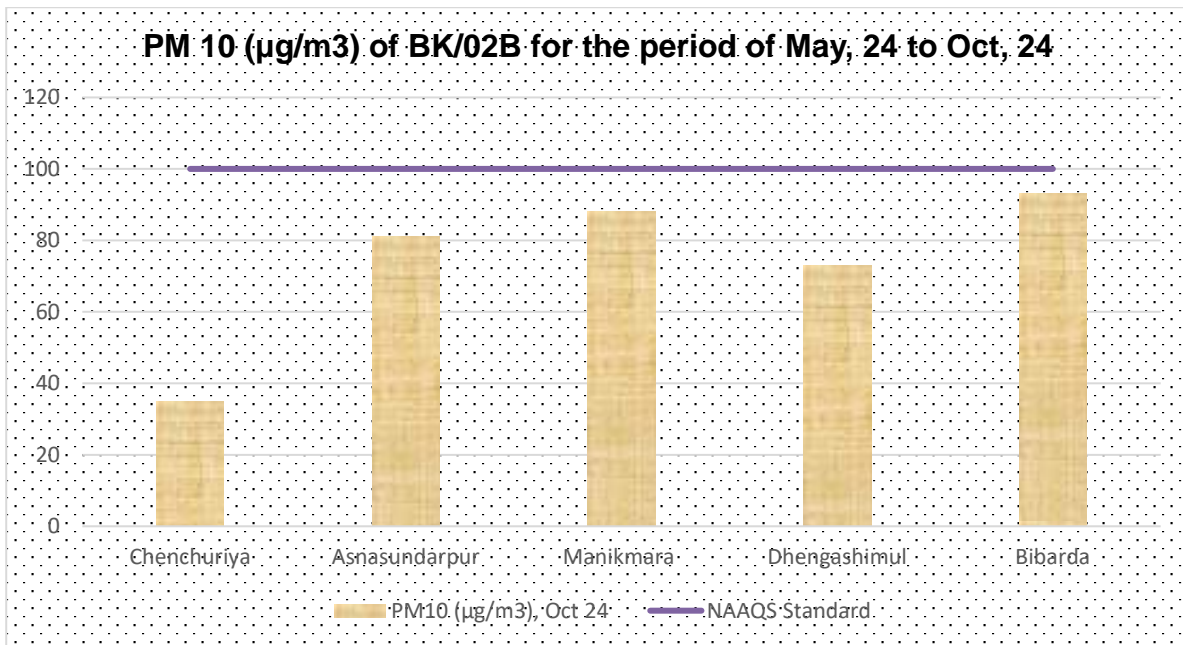
145. By plotting the results for the period May to October 2024 in the form of graphs, it is observed that, at most of the cases parameters are within permissible limit as set by WHO and NAAQS at most of the locations. The concentration of PM2.5 slightly higher than WHO standard at Bibarda OHSR under package 02B. At all the locations irrespective of packages concentration of SO2, NO2 and CO are much below the NAAQS and WHO standards.

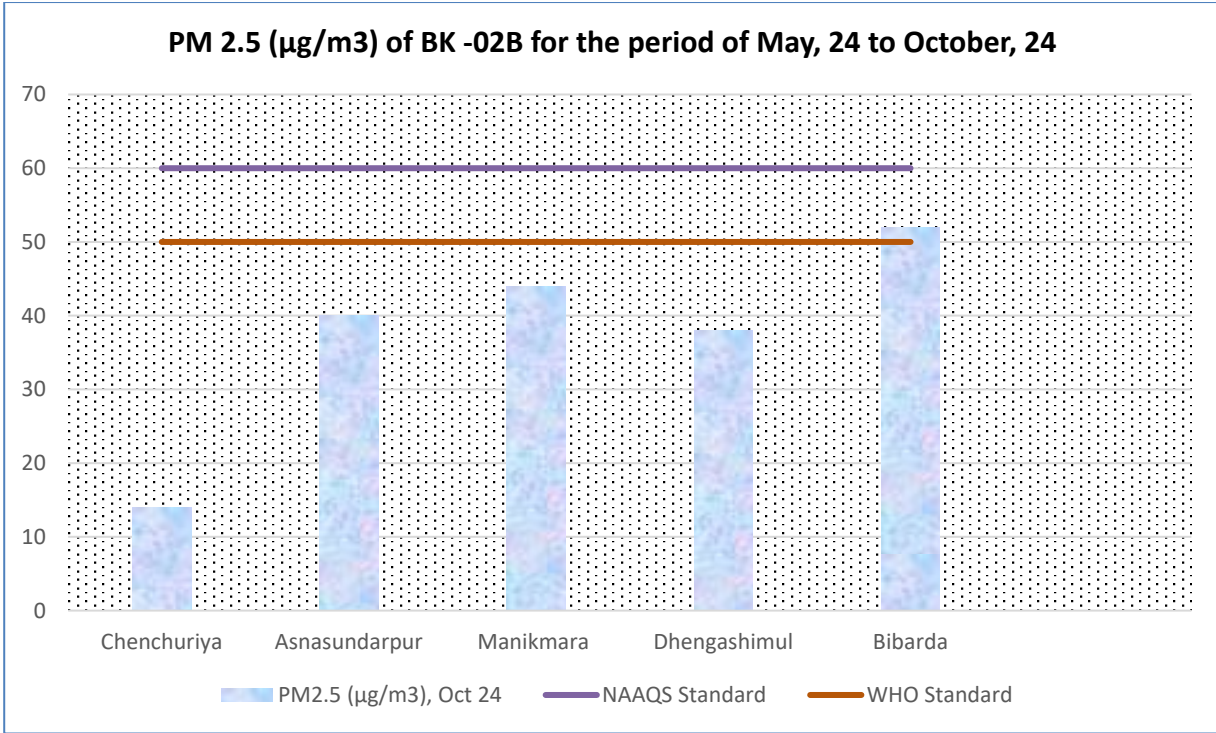
146. Based on the analysis of data collected over time at the various zones, it is evident that the air quality at a particular location is more influenced by the season in which data was collected than impact from project activities. Accordingly, the comparison of air quality data is presented by season in the graphs below.



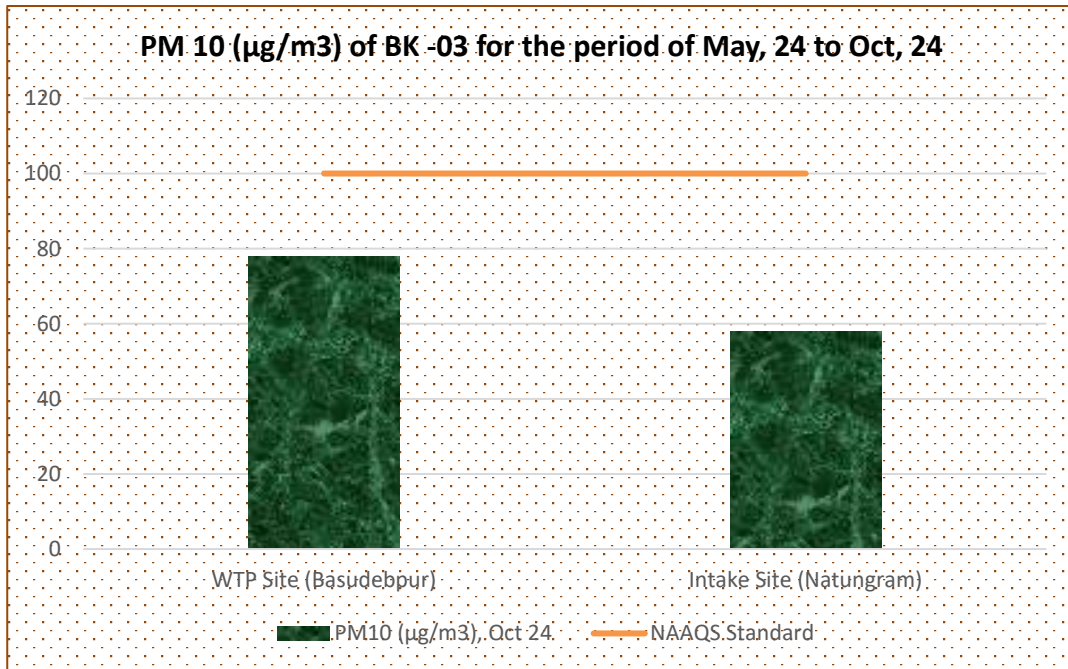


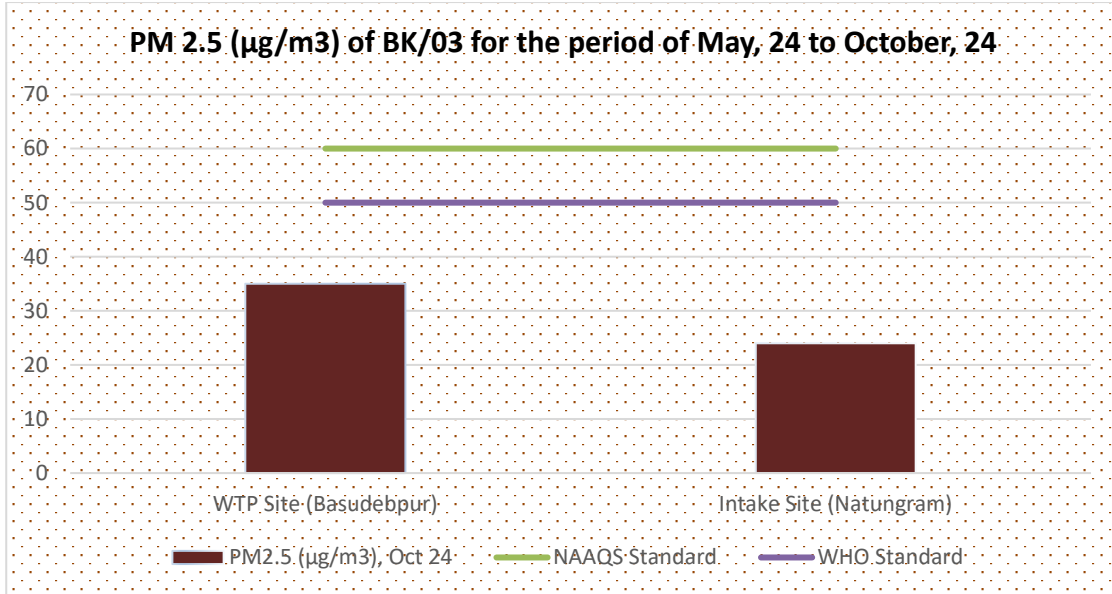
147. As shown in the air monitoring data that is PM10 and PM2.5 for Package BK-2A, it was observed that the air quality at all monitored locations is well within the permissible limits.



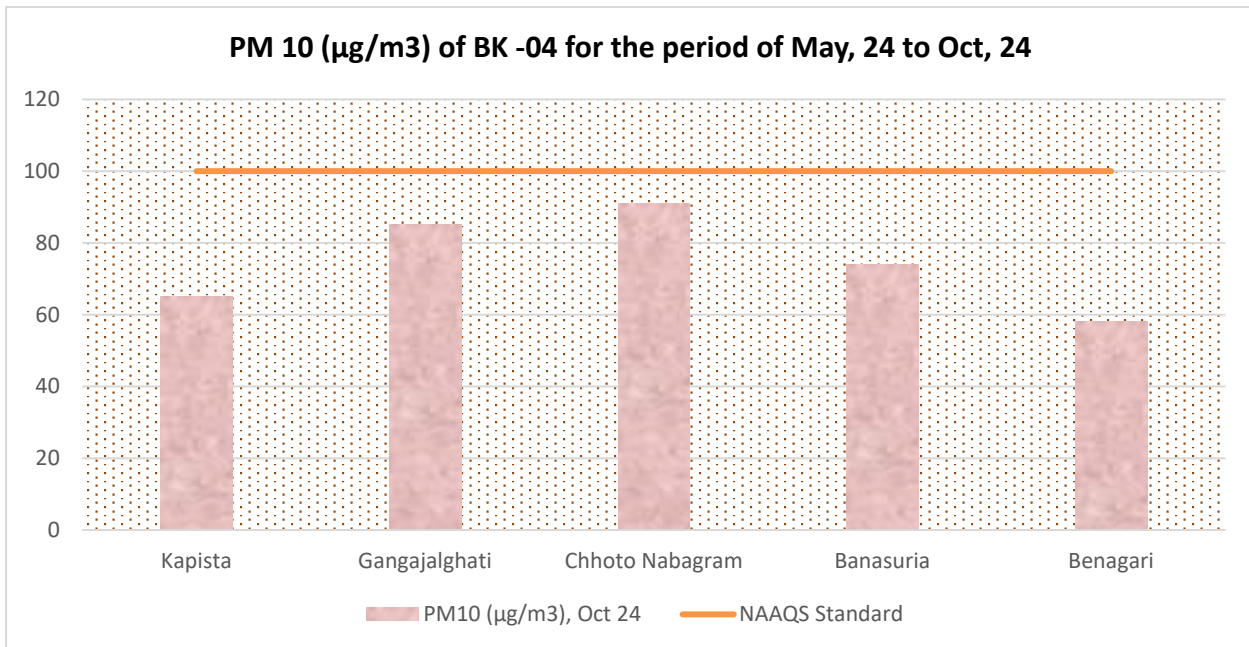


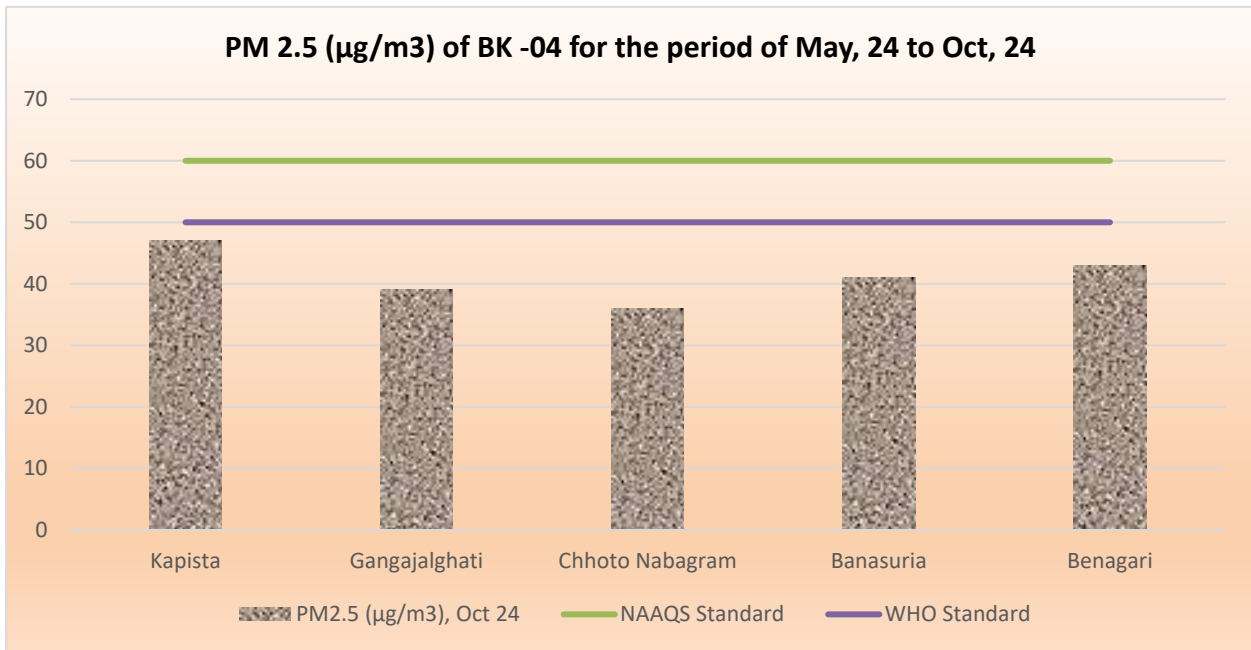
148. By graphing the results from May 2024 to October 2024, it is observed that PM2.5 and PM10 levels are within the permissible limits at all locations, except at the Bibarda OHSR location, where PM2.5 exceeds the WHO standard.





149. As shown in the above graph, there are no exceedances in PM2.5 and PM10 levels at any of the monitoring locations of the package Bk/03, as no heavy construction activities take place at these sites.

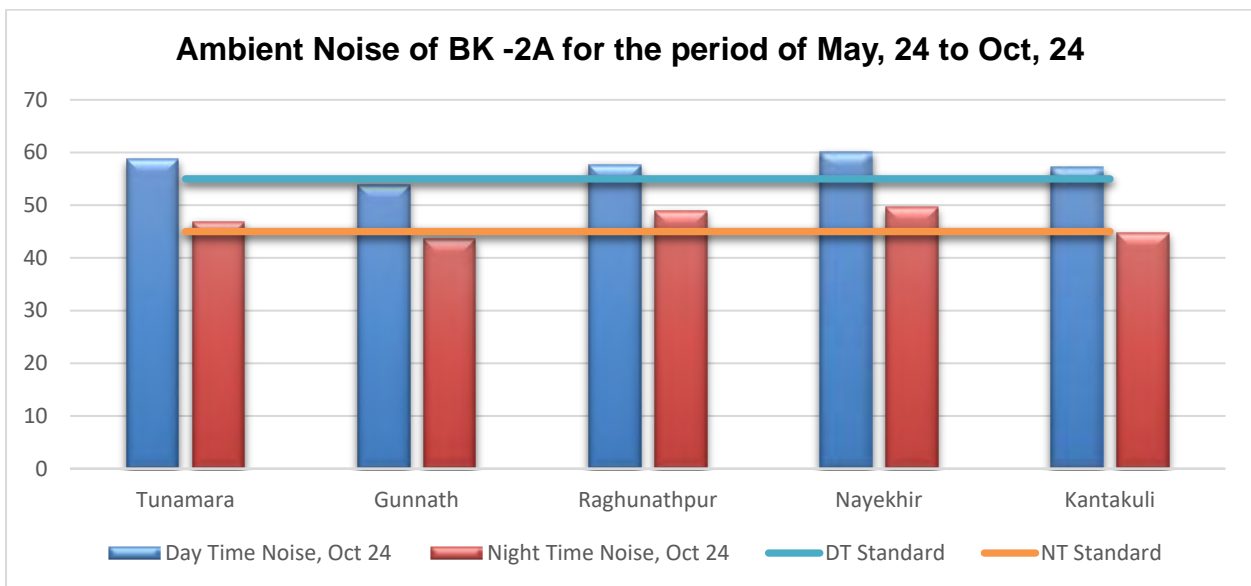




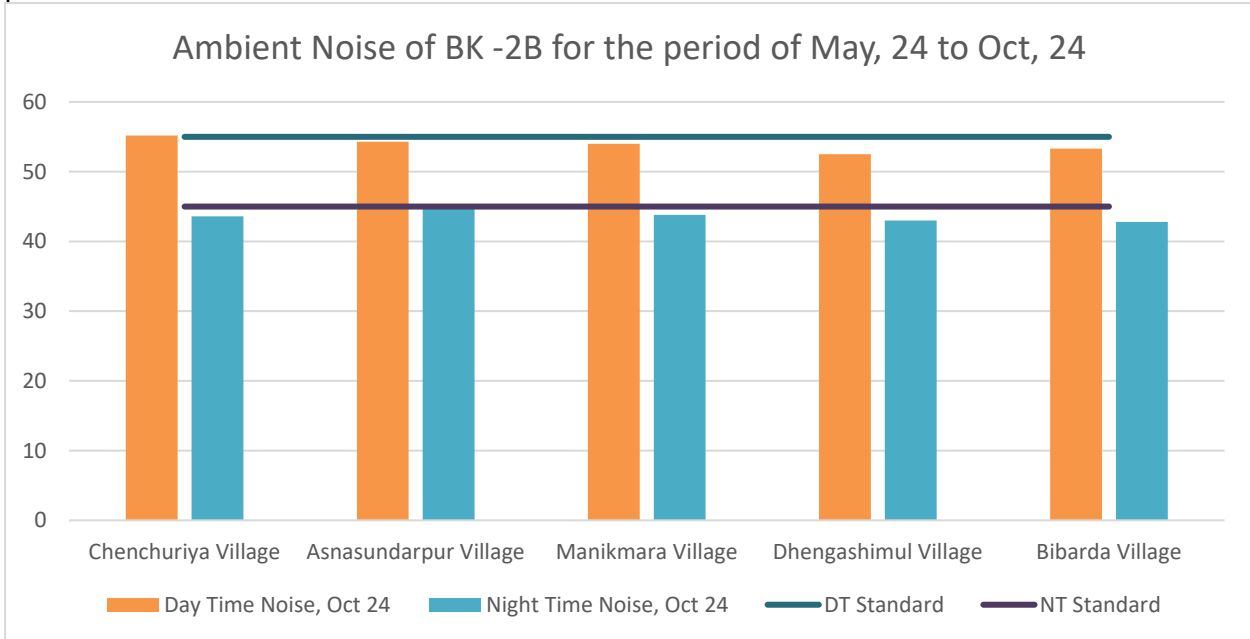
150. At all monitoring locations in Package BK04, PM2.5 and PM10 levels are within the permissible limits.

Noise Level for the period May 2024 to October 2024

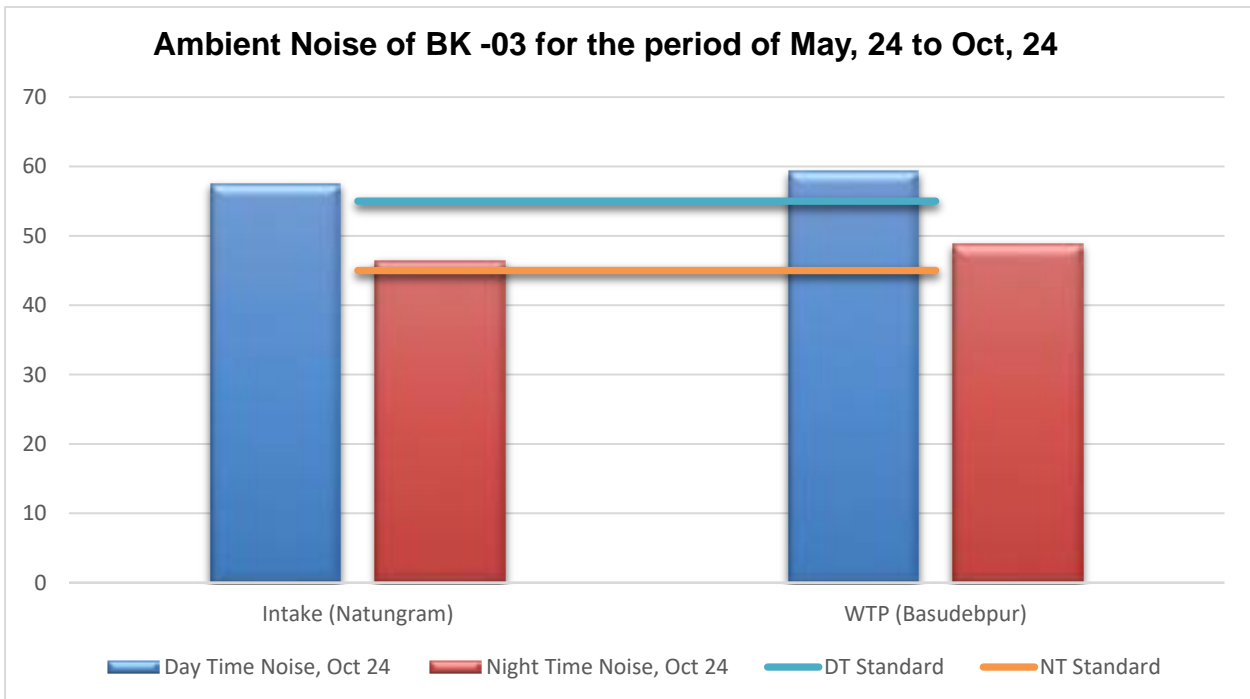
151. During Construction noise level monitoring has been done in 5 sub project packages and are shown below graphically. In Package Bk/02A day time and night time ambient noise exceeds at Raghunathpur village, Tunamara, Nayenkhir, and Kantakuli OHSR. At Bk/02B package work location noise level is below day and night standard. At BK/03-day time and night time ambient noise exceeds at WTP (Basudebpur) and Intake (Natungram) location. At BK/04-day and night time ambient noise is within the permissible limit in all the OHSR location.



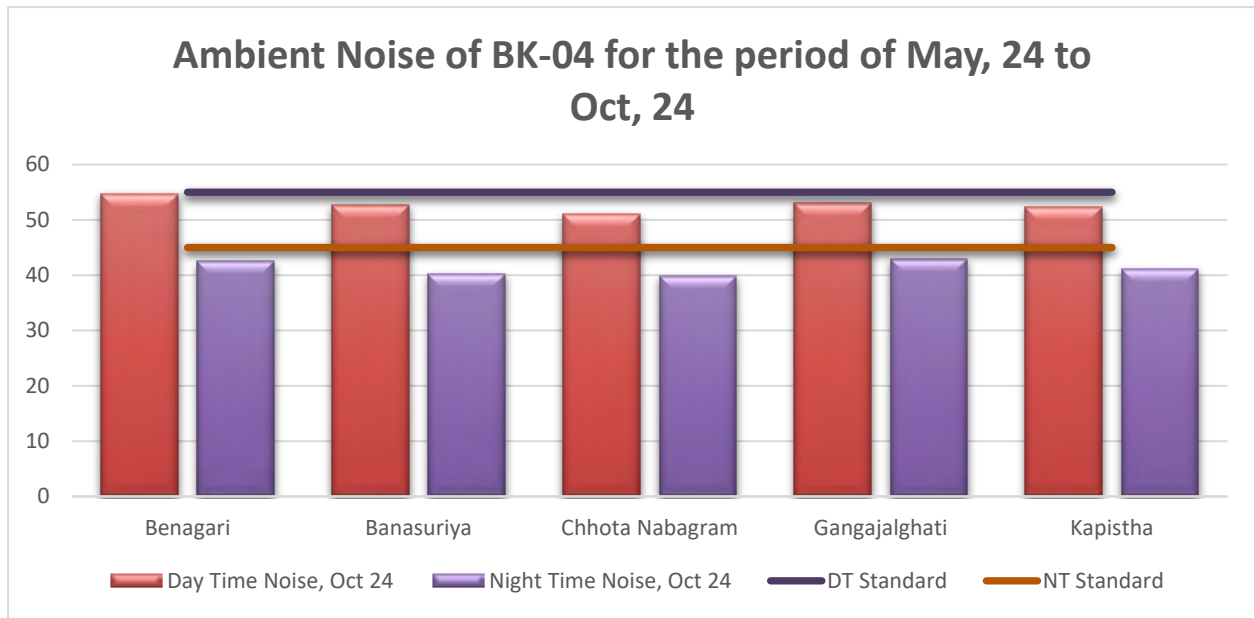
152. Due to ongoing construction work, the noise levels are high during the day at all four monitoring locations. Since no construction activities occur at these locations during the night, the noise levels at all these sites are significantly lower than during the day, but still exceed the permissible limit.



153. In Package BK-2B, the data from all monitored locations is within the permissible limits. The noise levels at these locations are lower, possibly because no construction activity was taking place during the monitoring period.



154. The above graphs clearly show that the noise levels at all monitored locations, that is WTP and intake sites, are high both during the day and at night due to construction activities. Instructed to contractor for application of mitigation measures as per EMP.



Surface Water Quality for the period May to October 2024

155. Water quality for the surface water bodies could not be compared due to changes in monitoring locations over time. It was observed that the parameters are within the prescribed standards of CPCB Class C (drinking water with conventional treatment followed by disinfection), except for Tunamara & Gunnath site of PKG BK/02A, Chenchuriya, Asnasundarpur & Bibarda site of the PKG BK/02B, as well as the PKG BK/03 intake location. BOD levels are also slightly higher at the Benagari OHR location of PKG BK/04. The DO levels are satisfactory at most of the sampling locations. This higher trend of BOD is might be due to construction activities in nearby sites. However, necessary preventive measures are already recommended to the contractor.

156. In overall surface water quality results are within the prescribed standard of Class B (water for outdoor bathing) for all the packages. There is no other surface water body (pond/canal) adjacent to any of sampling locations (OHSR sites) and has no relation with project activities. Necessary preventive measures are already recommended under EMP.

157. In all cases, groundwater parameters are within the prescribed limits of the drinking water quality standard (IS: 10500). Although relatively high concentrations of TDS, hardness, chloride, and calcium were observed at a few locations, they do not exceed the permissible limits.

158. In all the cases, soil quality results were within standard level. In most places Sandy Loamy to Clay Loamy soils were noted.

159. During Construction, air quality, noise level, soil and water quality monitoring will be continued as per Environment Management and Monitoring Plan. All monitoring expenses will be borne by contractors from their project Health safety monitoring budget.

160. All original test certificates are available in DSISC office as back-up

III. Environmental Monitoring Results of Purba Medinipur Package and observation

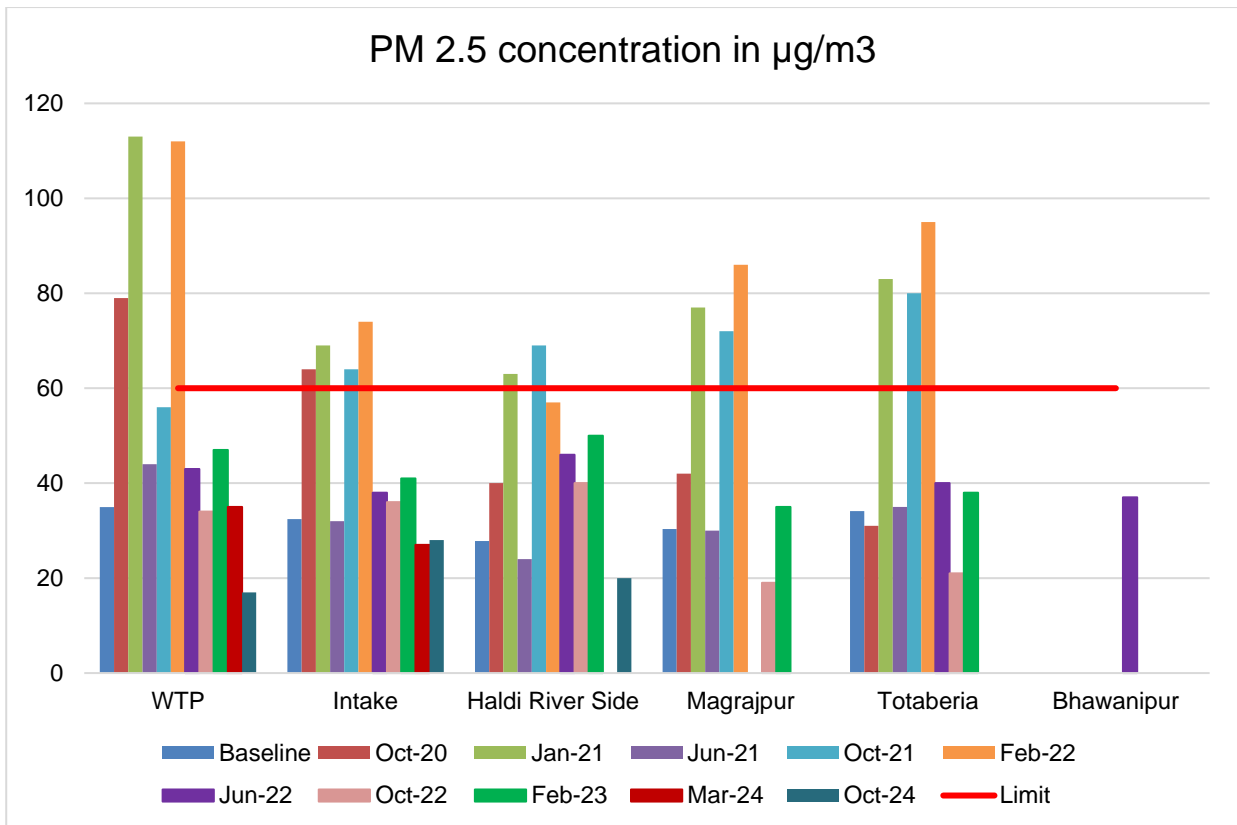
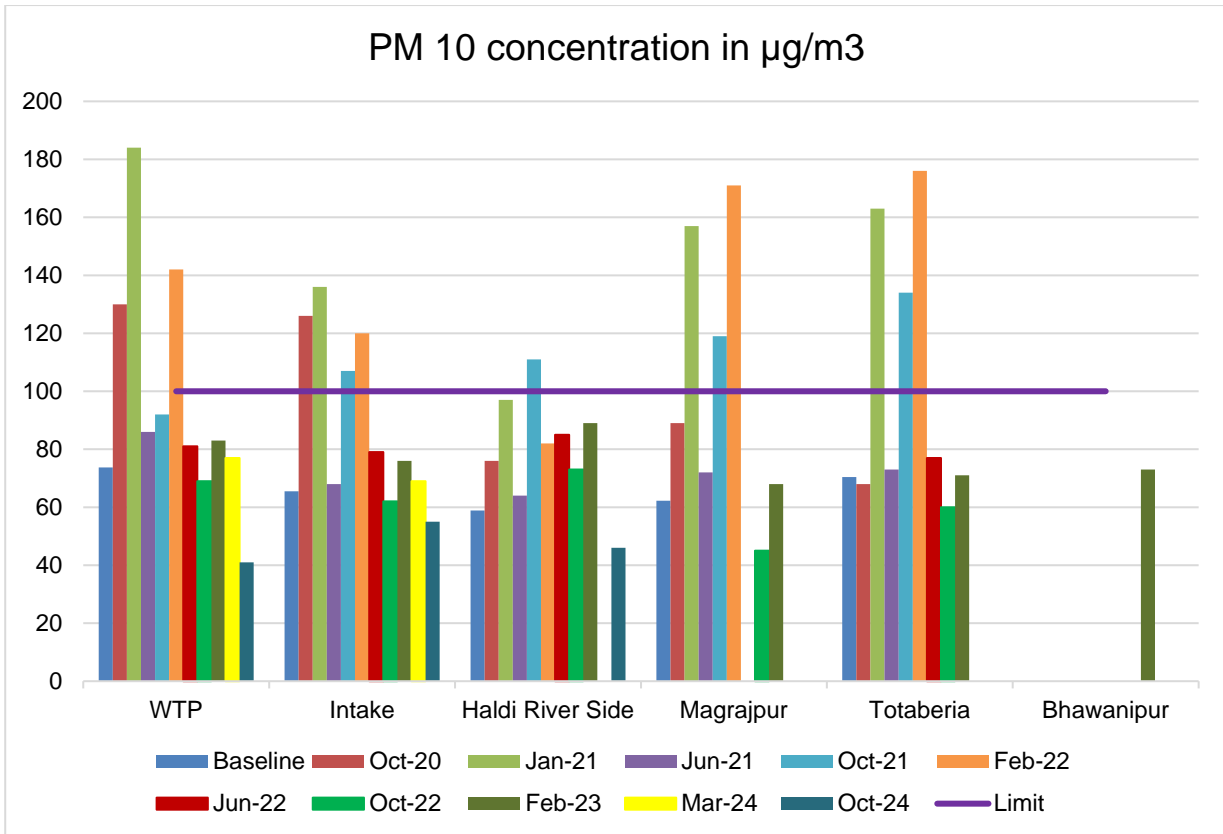
161. Baseline as well as during construction environmental monitoring has been continued as per IEE. Monitoring results are submitted by contractor. All original test certificates are available in DSISC office as back-up.

Package: Purba Medinipur- EM/01

162. Monitoring has been conducted from 24th to 27th October 2024, at intake, WTP and Narghat Bridge Haldi River sites. Results are shown below.

Table 28A: Ambient Air Monitoring Data (Package- EM/01)- During Construction

SI No	Village Name	Study Area	Date	Parameters				
				PM10 (µg/m ³)	PM2.5 (µg/m ³)	CO (µg/m ³)	SO2 (µg/m ³)	NO2 (µg/m ³)
1	Intake well- Mirpur	Rural Residential	26.10.2024-27.10.2024	55	28	618	5.7	27.2
2	WTP	Rural Residential	24.10.2024-25.10.2024	41	17	481	4.8	23.9
3	Narghat Bridge- Haldi River site	Rural Residential	24.10.2024-25.10.2024	55	28	618	5.7	27.2
National Ambient Air Quality Standard				100	60	2000	80	80
WHO Standard (2021)				45	15	-	50	-



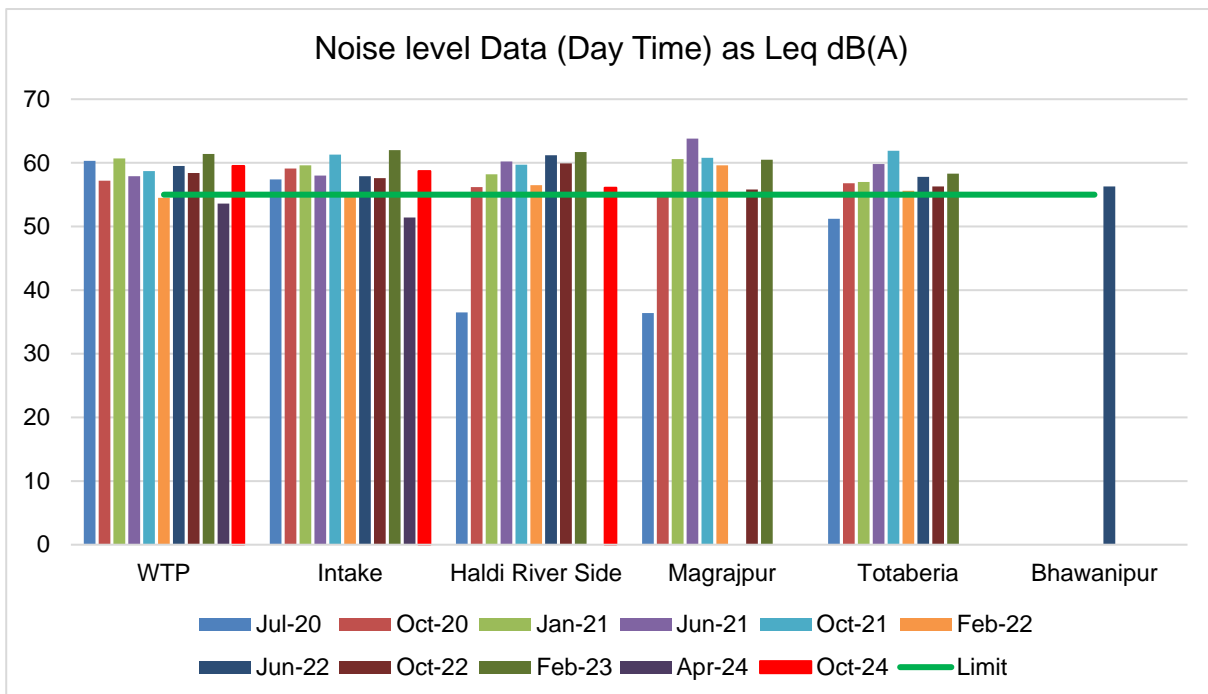
163. From above graphs it is visible that PM₁₀ Concentrations of WTP for October, 2024 is relatively low than previous monitoring result as major construction work which produce dust is completed. PM 10 concentration for Intake and WTP is 55 and 41 (µg/m³) respectively. PM 2.5 concentration for Intake and WTP is 28 and 17 (µg/m³) respectively. All values are within the prescribed standard.

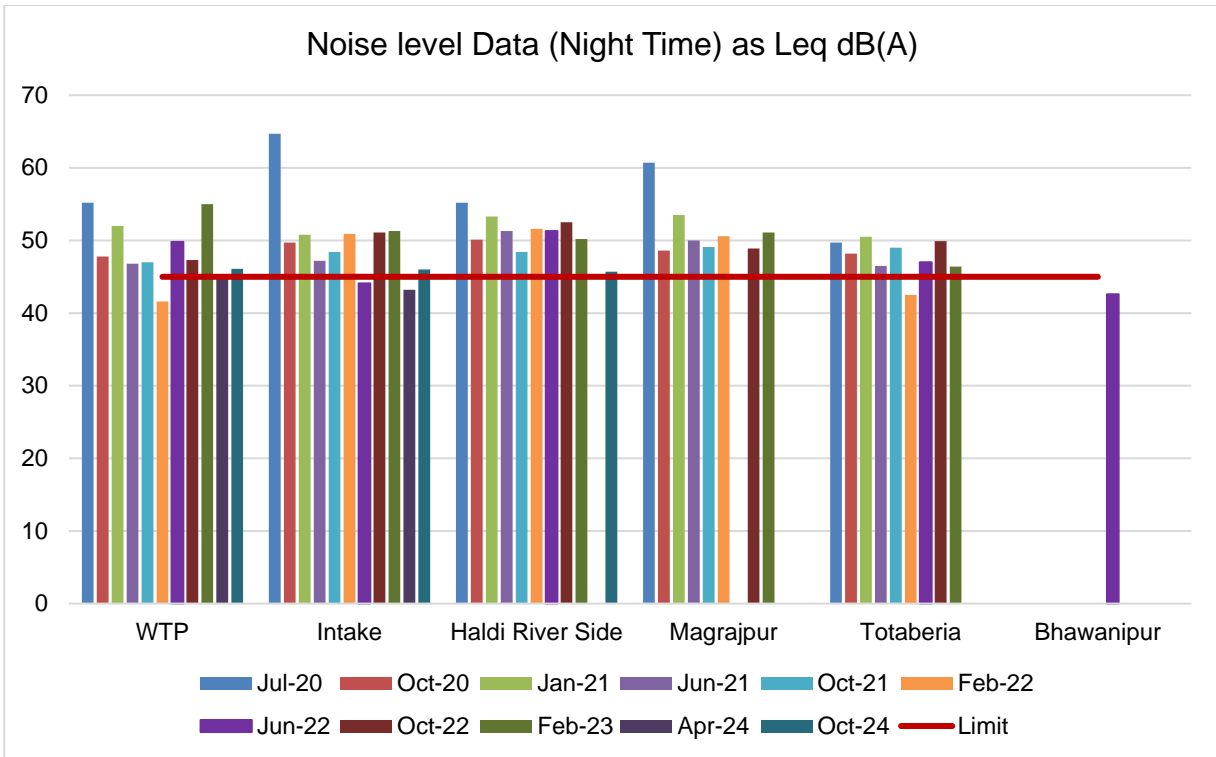
Ambient Noise Level

164. Noise level monitoring has been conducted from 24th to 27th October 2024 at intake, WTP and Narghat Bridge Haldi River sites. Results are shown below.

Table 28B: Noise Monitoring Data (Package- EM/01)- During Construction

Sl. No.	Station Code	Village Name	Study Area	Date	Leq dB (A) Day Time	Leq dB (A) Night Time
1	N1	Intake & Substation	Residential	26.10.2024 – 27.10.2024	58.7	46
2	N3	WTP	Residential	24.10.2024 – 25.10.2024	59.5	46.1
3	N2	Narghat Bridge- Haldi River site	Residential	24.10.2024 – 25.10.2024	56.1	45.7
Code/Category		Leq Day Time dB(A) - Standard		Leq Night Time dB(A) - Standard		
A/Industrial		75		70		
B/Commercial		65		55		
C/Residential		55		45		
D/Ecological-Sensitive		50		40		
Note: National level Central Pollution Control Board's, CPCB's (Govt. of India) guideline/ protocol used for sampling						





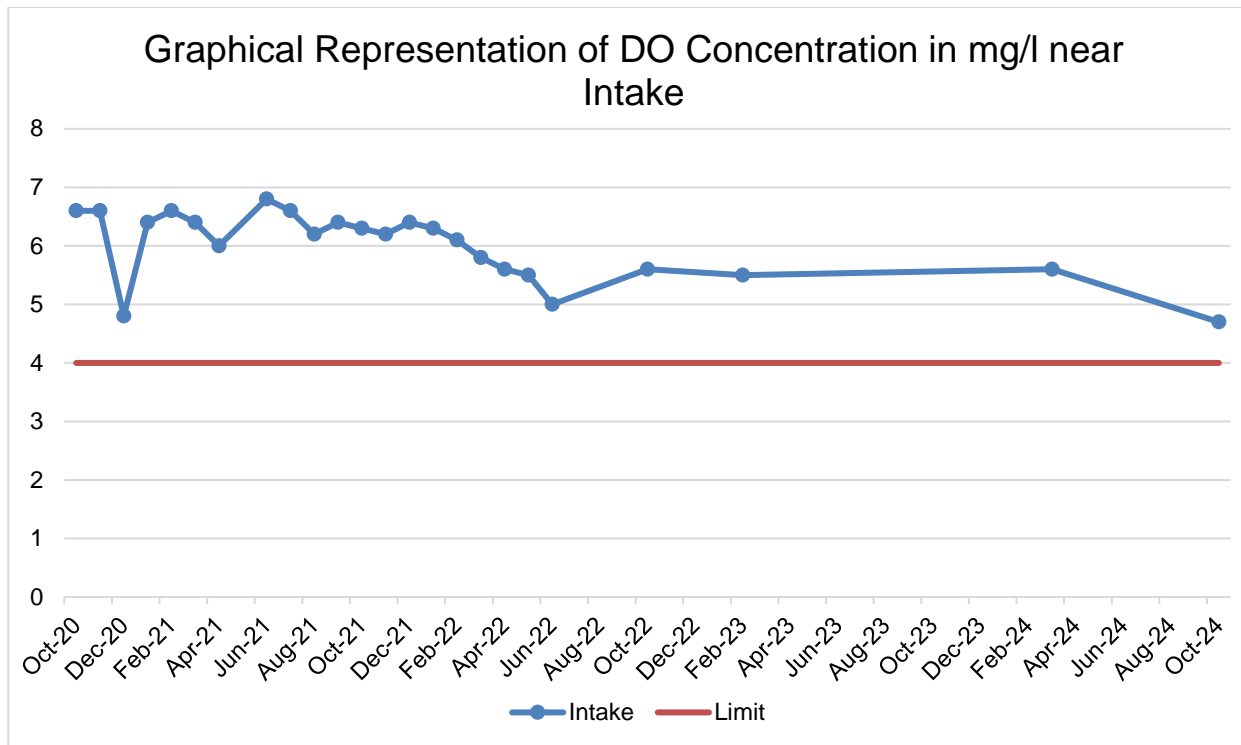
165. The graphical comparison of noise level data of day time and night time, shows that the day and night time noise value is slightly above the permissible limit of residential areas for October, 2024. It is mainly due to continuation of construction of major components.

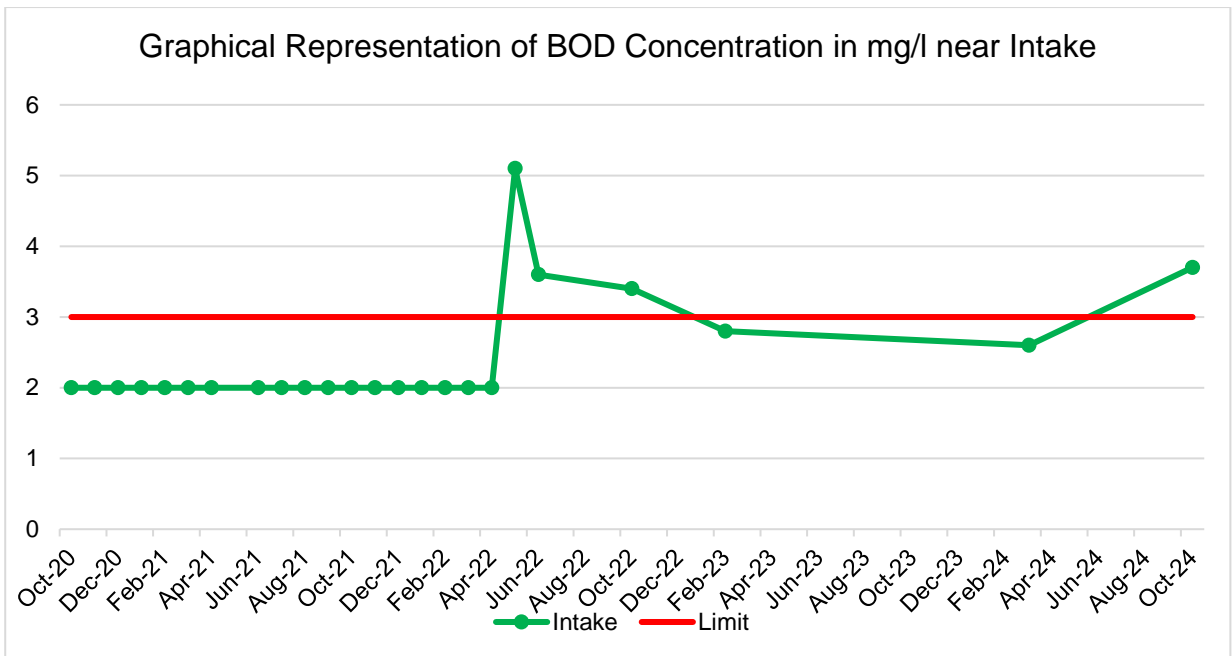
Surface Water Quality

166. During report period surface water sample have been collected from intake site and results are shown below.

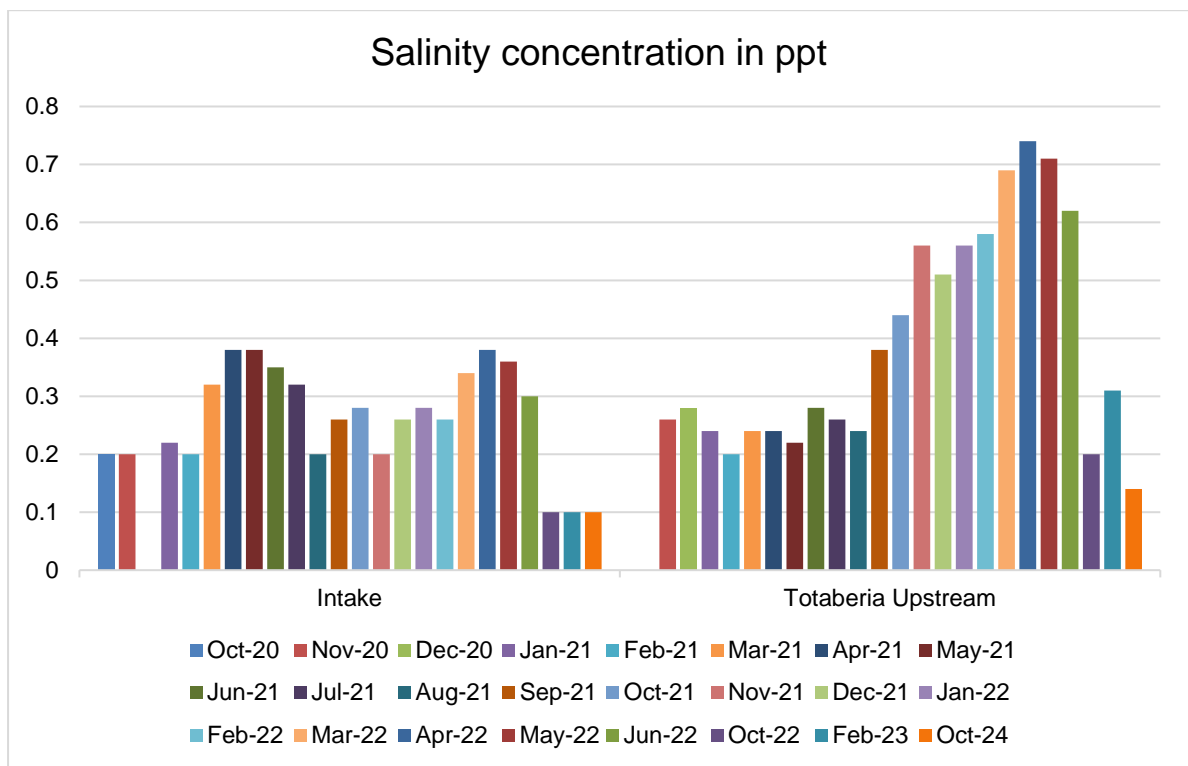
Table 28C: Surface water (Rupnarayan River) monitoring result- during construction (EM01)

Location Name	Date	Parameters														
		pH (25 °C)	TDS in mg/l	Turbidity (NTU)	Chloride as Cl in mg/l	Fluoride as F in mg/l	Nitrate as NO ₃ in mg/l	CO D in mg/l	BOD in mg/l	DO in mg/l	Total alkalinity as CaCO ₃ in mg/l	Hardness as CaCO ₃ in mg/l	Oil & Grease in mg/l	Total Coliform MPN/10 0ml	Faecal Coliform MPN/10 0ml	Salinity in ppt
Intake & substation	24.10.2024	7.38	146	3.2	51.6	<0.1	0.97	14	3.7	4.7	103	115.2	<1.4	70	25	0.1
Narghat bridge – Haldi River	24.10.2024	7.22	312	3.9	142.9	<0.1	1.14	17	4.5	4.6	114.8	188.2	-	109	33	0.14
Desirable Limit as per IS:2296 (Class C)		6.5 to 8.5		--	600	1.5	50	--	3	4	--	--	0.1	5000	--	--





167. All the parameter of surface water mentioned in above table, are within the desirable limit. Also DO concentration is 4.7 mg/l at sampling location at intake site. Chloride concentration is 51.6 mg/l and value are within the permissible limit. pH of the surface water sample is 7.38. Concentration of parameters are more at Haldi River sampling point. Salinity results indicate that on October 2024 salinity level is around 0.1 ppt. Seasonal and year wise salinity level is present below.

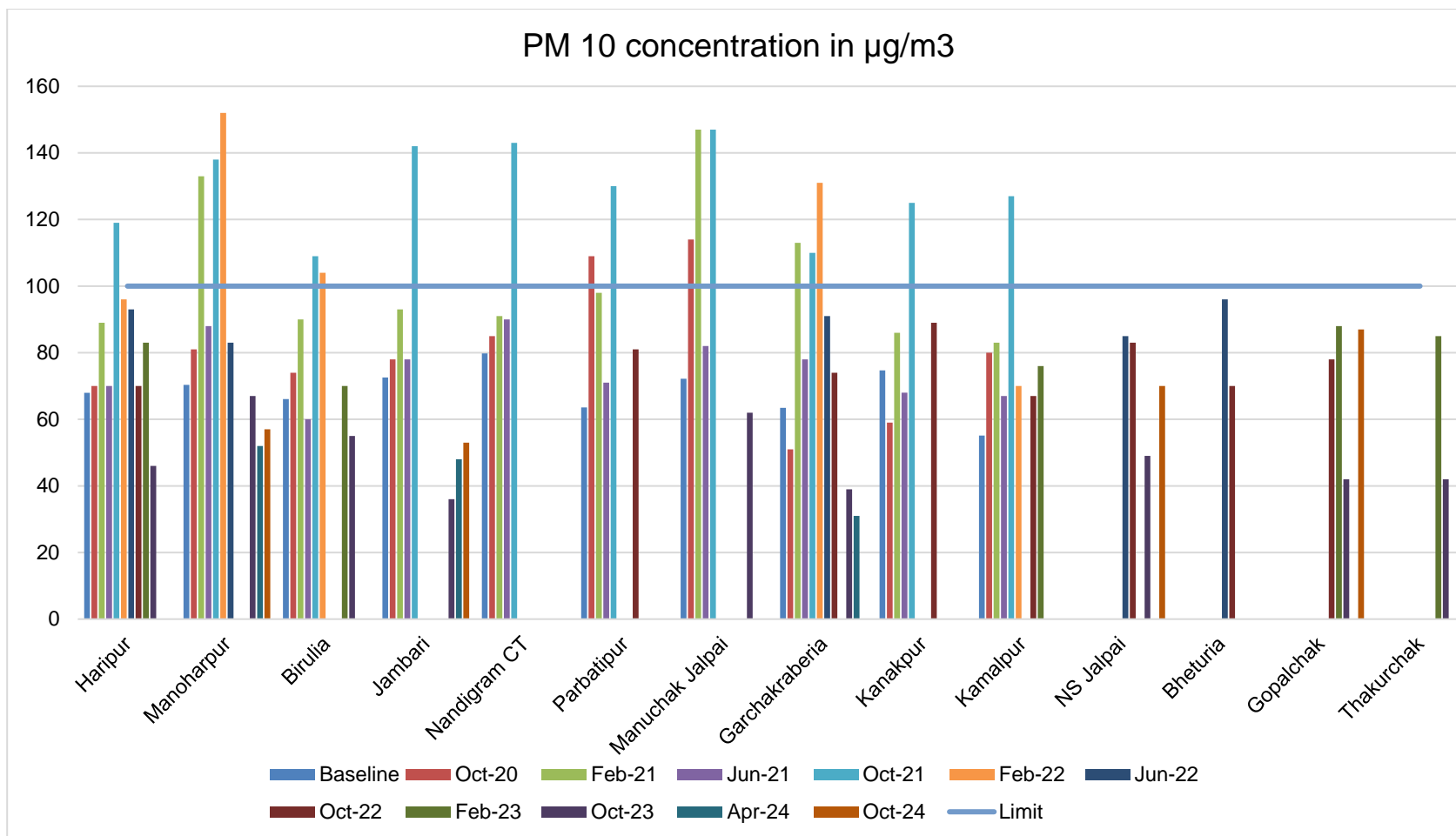


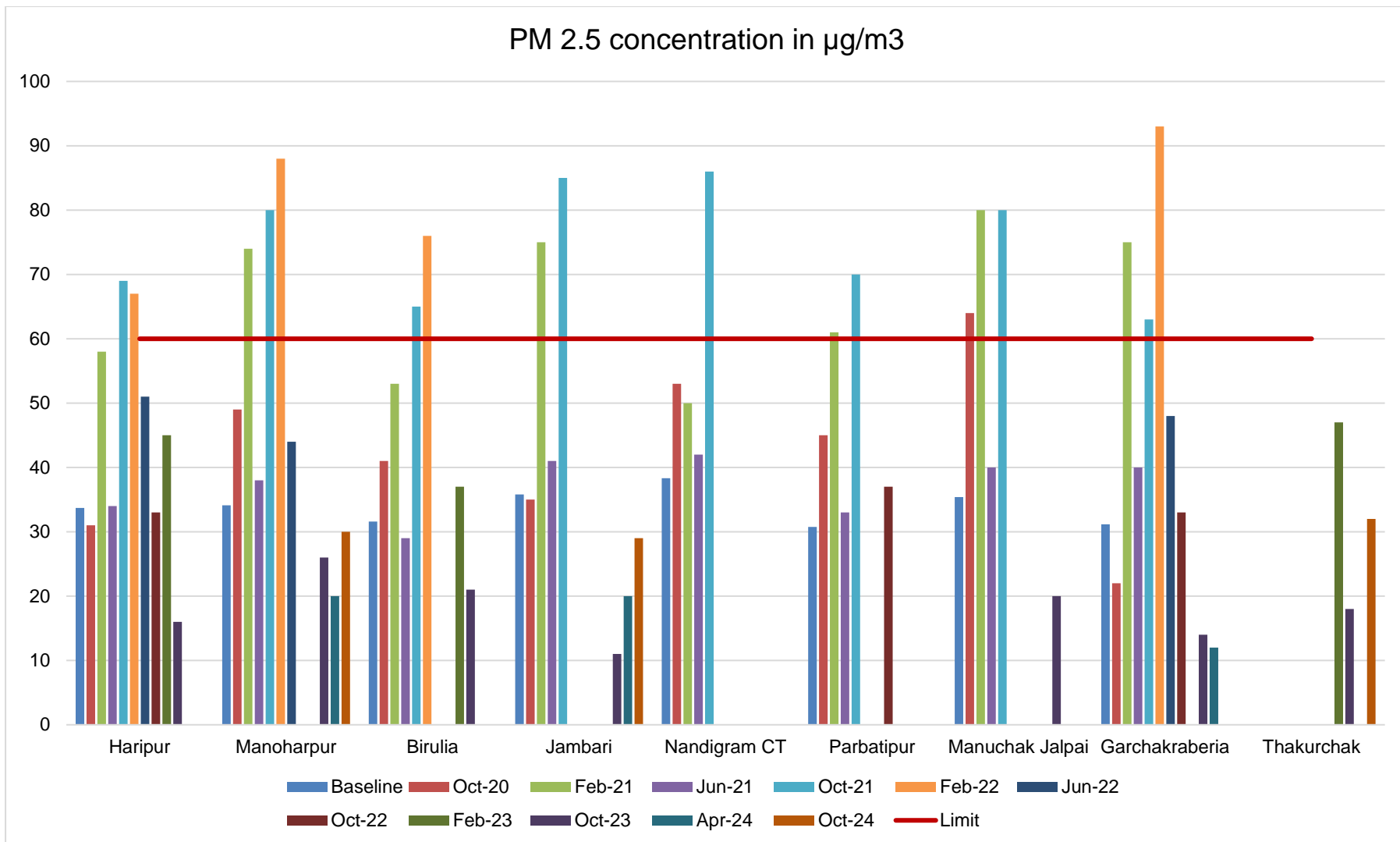
Package Purba Medinipur - EM/02**Ambient Air Quality**

168. During report period ambient air quality monitoring has been conducted at 4 locations within the package.

Table 28D: During construction Ambient Air Monitoring data (package- EM/02)

SI no.	Village name	Study area	Date	Parameters				
				PM10 (µg/m ³)	PM2.5 (µg/m ³)	CO (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
1	Manoharpur GLSR	Sensitive	22.10.2024-23.10.2024	57	30	789	7	28.3
2	NS Jalpai	Rural Residential	21.10.2024-22.10.2024	70	38	858	7.4	31.2
3	Jambari OHSR	Sensitive	21.10.2024-22.10.2024	53	29	767	6.8	27.5
4	Gopalchak OHSR	Rural Residential	21.10.2024-22.10.2024	87	45	915	7.9	33.5
5	Thakurchak	Rural Residential	22.10.2024-23.10.2024	65	32	812	7.3	29.1
National Ambient Air Quality Standard				100	60	2000	80	80
WHO Standard (2021) AQG- Air quality guideline				45	15	-	50	-





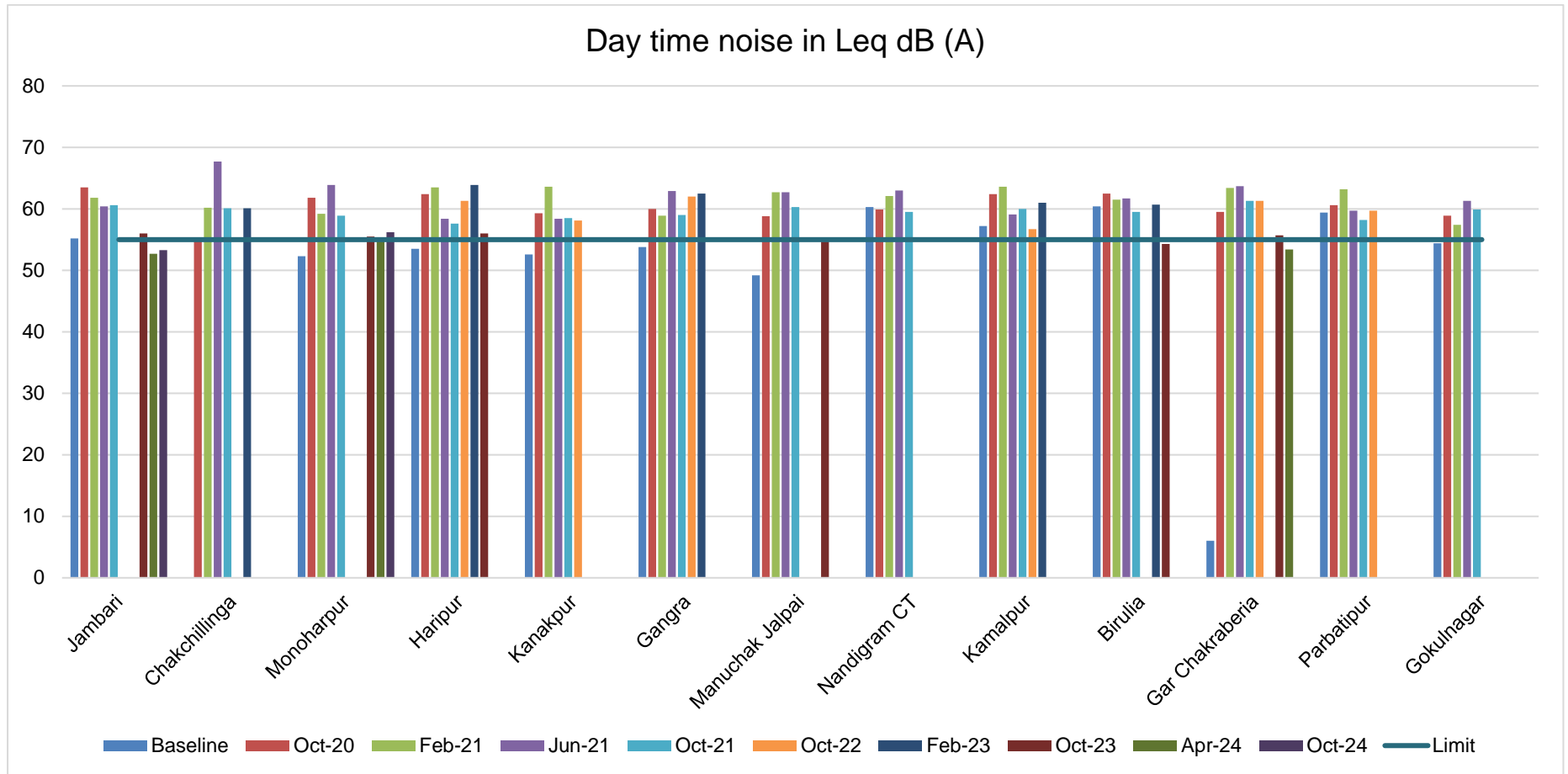
169. According to October 2024 ambient air quality monitoring data, the concentration of PM 10 and PM 2.5 is slightly above compared to the previous monitoring results. All concentration of PM 10 and PM 2.5 are below the baseline monitoring result and permissible limit. According to October 2024 monitoring data, highest PM 10 concentration was found in Gopalchak OHSR (87 µg/m³), whereas lowest PM 10 concentration was found in NS Jalpai (70 µg/m³) and Highest level of PM 2.5 concentration was found in Gopalchak OHSR (45 µg/m³) and lowest was found in Jambari OHSR (29 µg/m³).

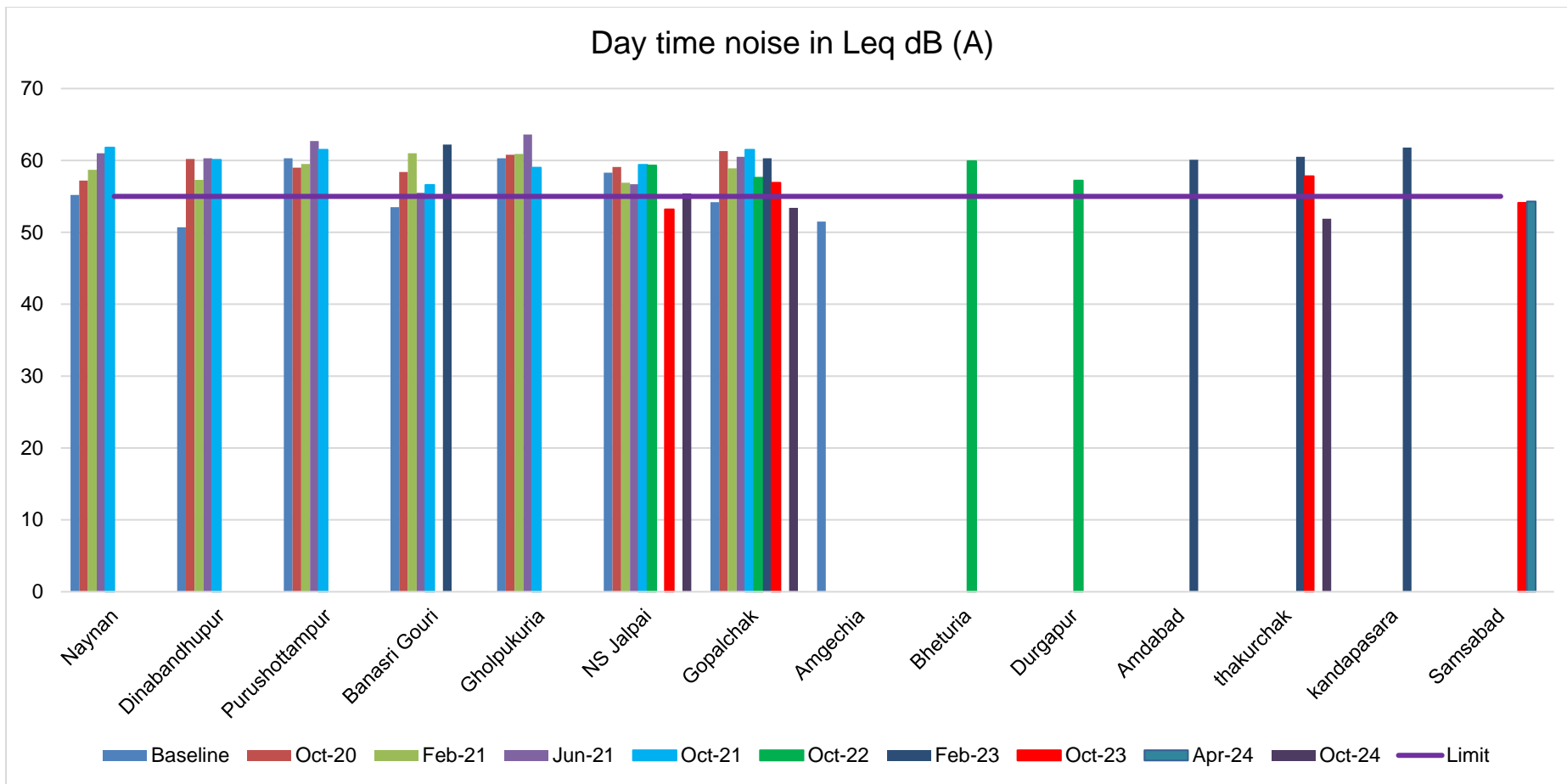
170. Although, CO, SO₂ and NO₂ typically emitted due to combustion of fossil fuels – are all found within the prescribed National standard. Therefore, it can be inferred that the increased levels of PM₁₀ and PM_{2.5} are due to high background concentration, change of weather conditions and also commencement of the construction activities at OHSR and GLSR sites.

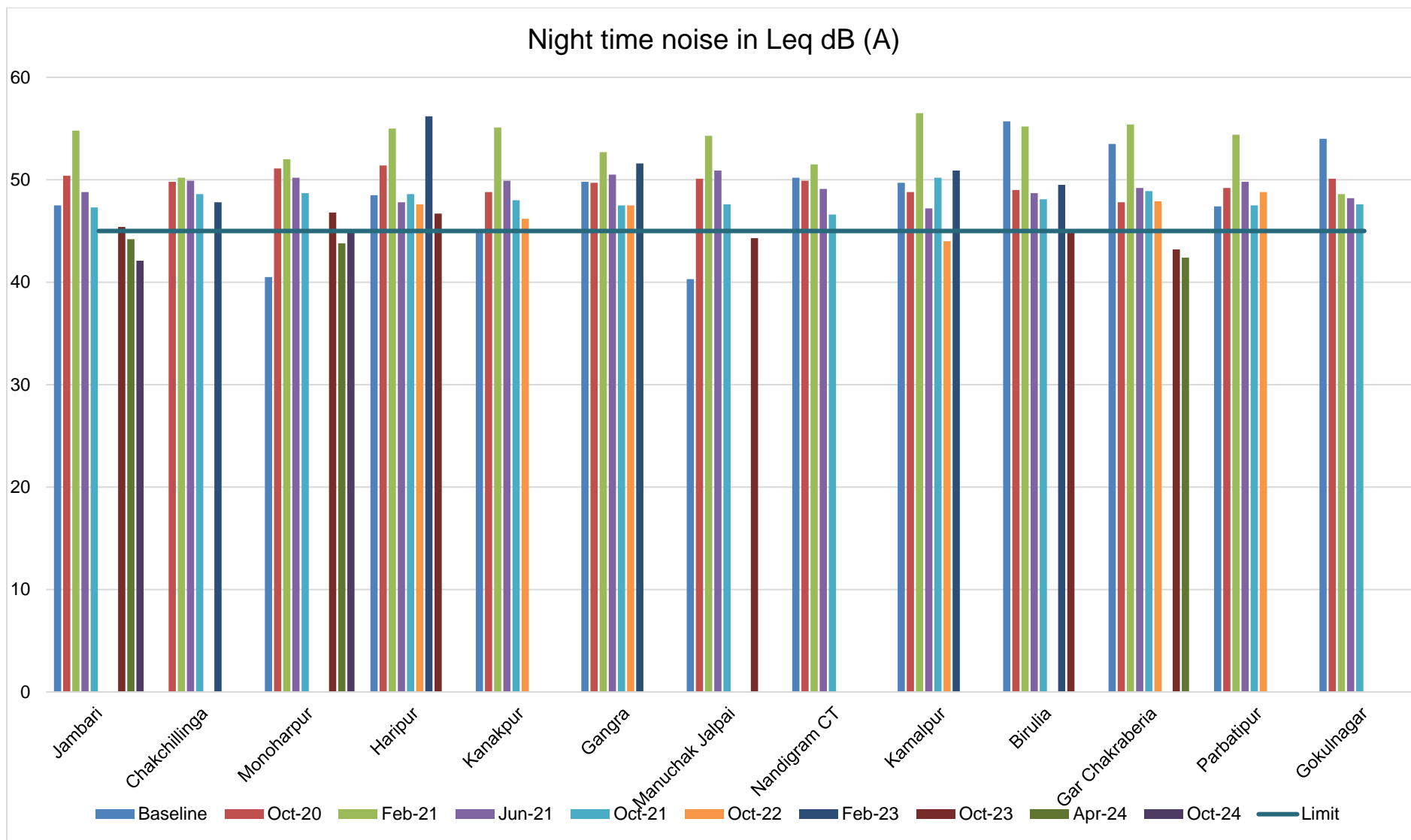
Noise Level data

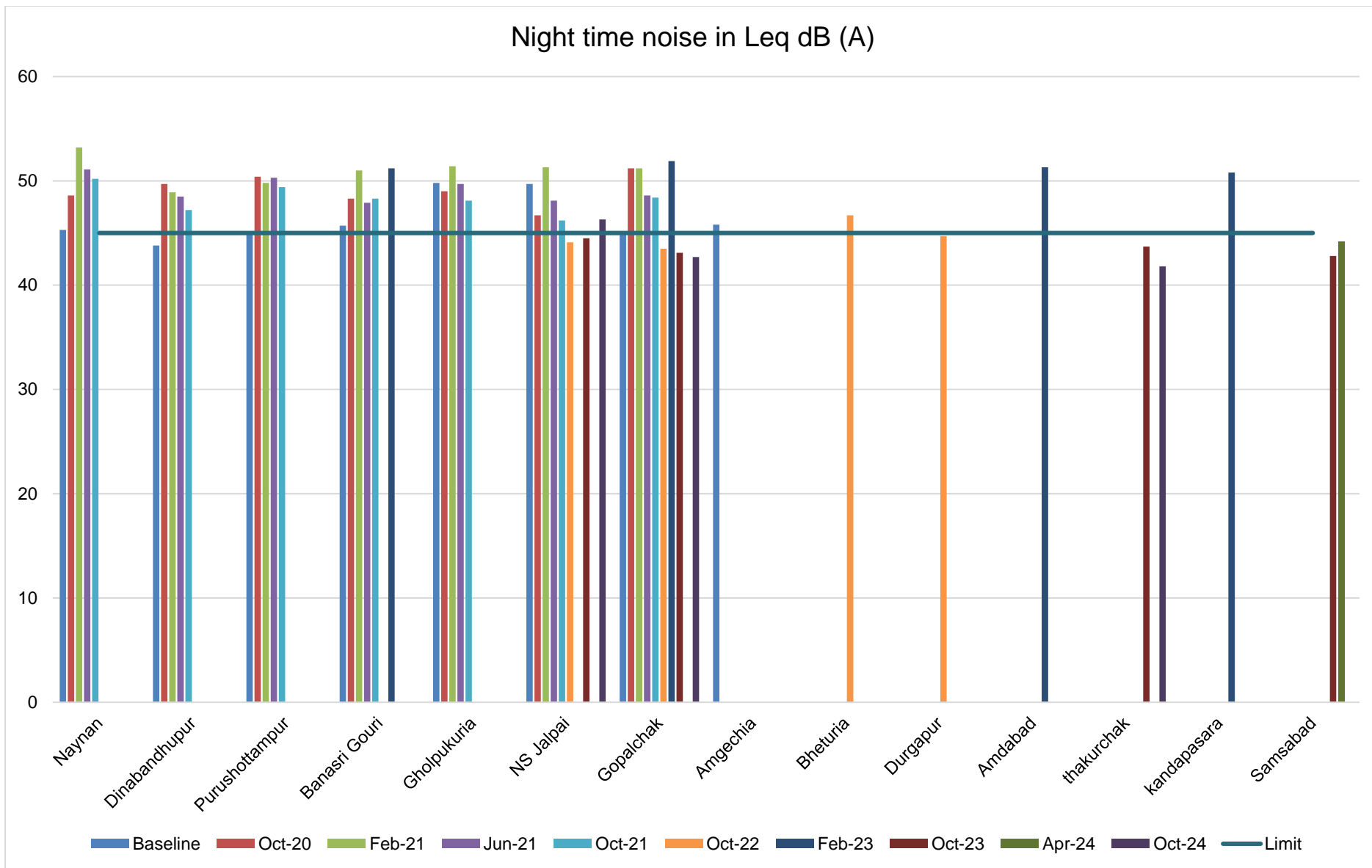
Table 28E: During construction Ambient Noise Level Monitoring data (package- EM/02)

Sl. No.	Village Name	Study Area	Date	Average dB	
				Leq dB (A) Day Time	Leq dB (A) Night Time
1	Manoharpur	Silent Zone	22.10.2024	56.2	45.1
2	NS Jalpai	Residential	21.10.2024	55.4	46.3
3	Jambari	Residential	22.10.2024	53.3	42.1
4	Gopalchak	Residential	21.10.2024	53.4	42.7
5	Thakurchak	Residential	23.10.2024	51.9	41.8
Code/Category				Leq Day Time/ Leq Night Time dB(A) - Standard	
A/Industrial				75/70	
B/Commercial				65/55	
C/Residential				55/45	
D/Ecological- Sensitive				50/40	









During construction Spot Noise Level Monitoring data (package- EM/02)

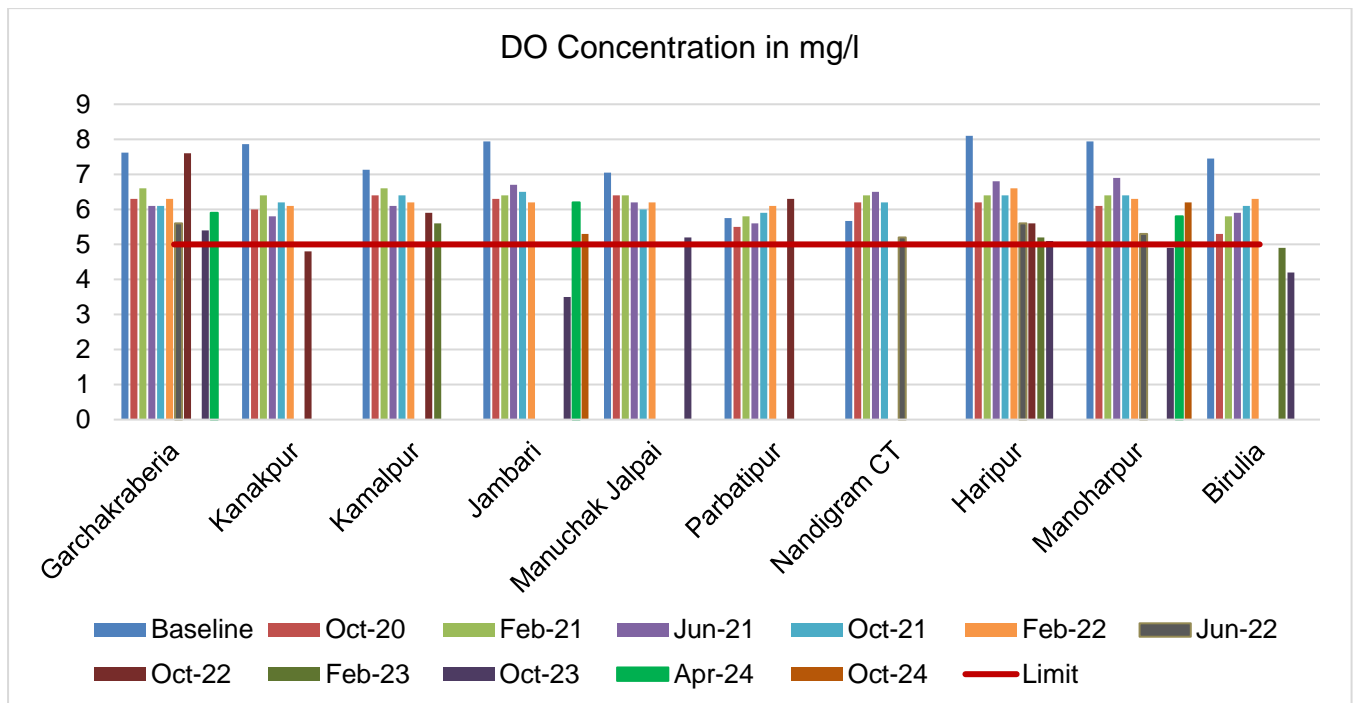
Sl. No.	Village Name	Study Area	Date	Average dB
1	Kanakpur OHSR	Silent Zone	21.10.2024	56.9
2	Samsabad OHSR	Residential	21.10.2024	58.1
3	Garchakraberia OHSR	Residential	21.10.2024	57.4
4	Garchakraberia GLSR	Residential	21.10.2024	58.9
5	Gokulnagar OHSR	Residential	22.10.2024	59.3
Code/Category				Leq Day Time/ Leq Night Time dB(A) - Standard
A/Industrial				75/70
B/Commercial				65/55
C/Residential				55/45
D/Ecological- Sensitive				50/40

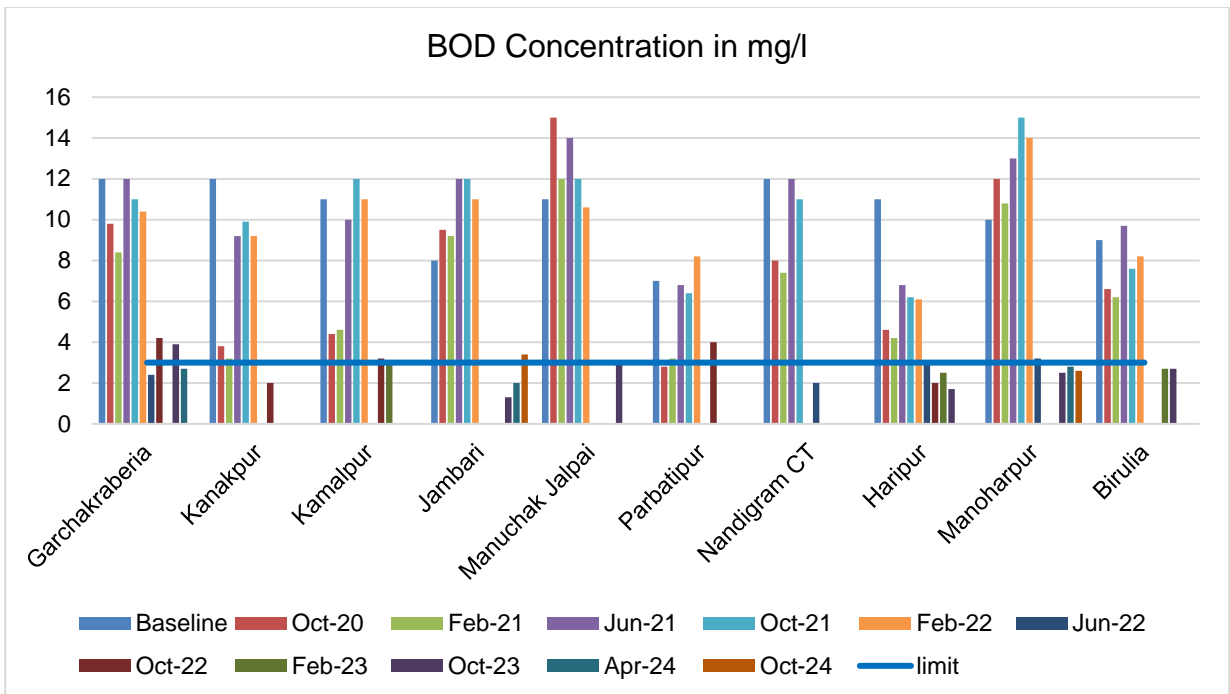
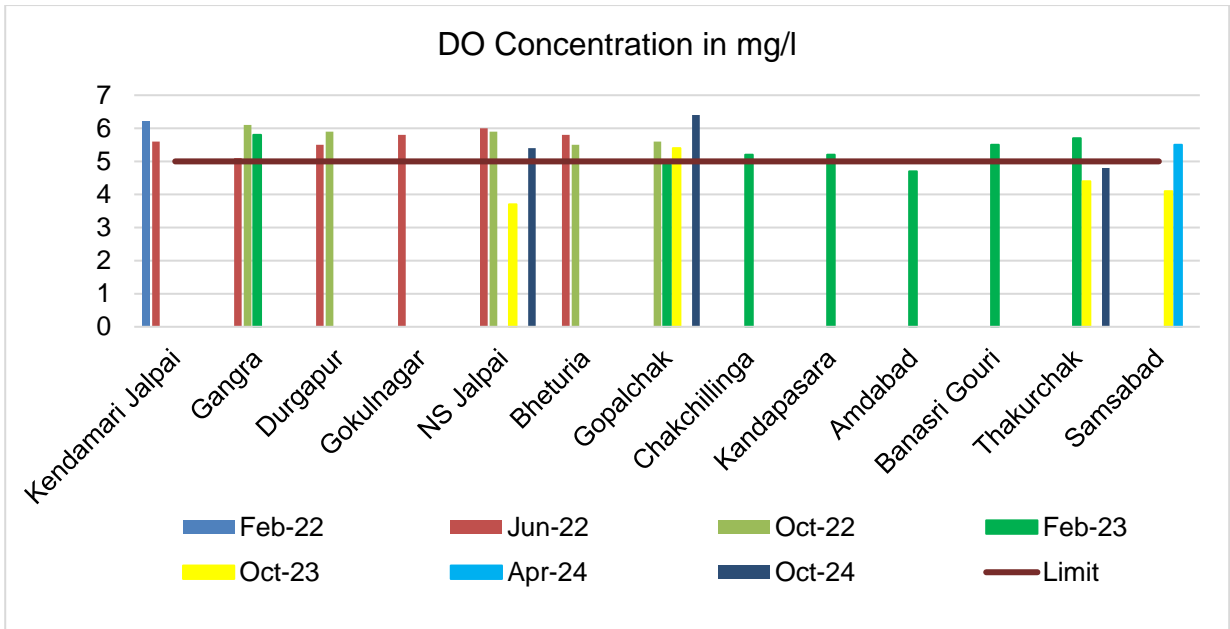
171. In case of noise level monitoring, common monitoring locations are found in this package therefore data from the sub project have been compared with average baseline data and previous period monitoring data. It has been observed that all the Location has day and night time values are higher than previous monitoring result but close to the permissible limit, in few cases marginally above the standard. Highest and lowest day time noise level has been found in Manoharpur and Thakurchak respectively. Whereas, Highest and lowest night time noise has been found in NS Jalpai and Thakurchak respectively.

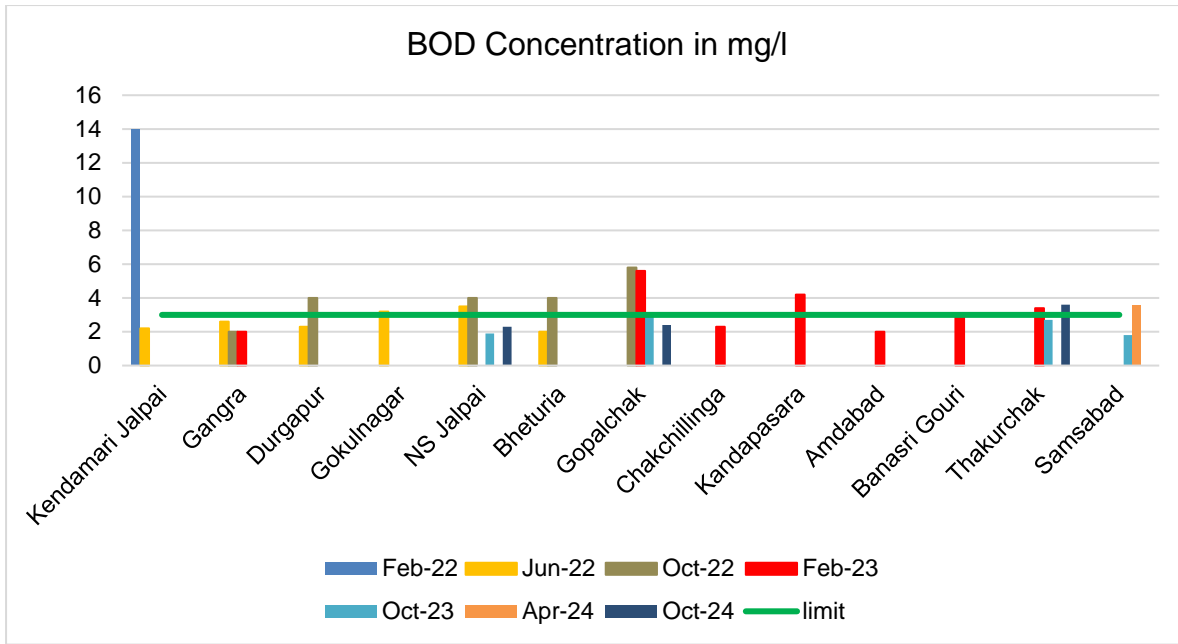
Surface water quality

Table 28F: During construction Surface Water (Pond) Monitoring data (package- EM/02)

Location Name	Date	Parameters												
		pH (25 °C)	Turbidity (NTU)	Chloride as Cl in mg/l	Fluoride as F in mg/l	Nitrate as NO ₃ in mg/l	CO D in mg/l	BO D in mg/l	DO in mg/l	Total alkalinity as CaCO ₃ in mg/l	Hardness as CaCO ₃ in mg/l	Oil & Grease in mg/l	Total Coliform MPN /100 ml	Faecal Coliform MPN/100ml
Gopalchak	21.10.2024	7.29	4.6	45.7	0.19	1.45	8	2.4	6.4	122.8	142.1	2.9	34	9
Jambari	22.10.2024	7.38	3.4	33.7	0.12	0.87	12	3.4	5.3	118.8	107.5	2.6	46	14
Manoharpur	22.10.2024	7.52	3.7	51.6	<0.1	0.72	8	2.6	6.2	114.8	138.2	2.4	63	15
NS Jalpai	21.10.2024	7.28	2.9	39.7	<0.1	1.8	8	2.3	5.4	114.8	126.7	3.1	94	25
Thakurchak	23.10.2024	7.47	2.7	35.7	0.21	1.08	14	3.6	4.8	130.7	126.7	<1.4	84	21
Surface water quality criteria by CPCB and IS:2296 (class B outdoor bathing)		6.5-8.5	--	--	1.5	--	--	3	5	--	--	--	500	--







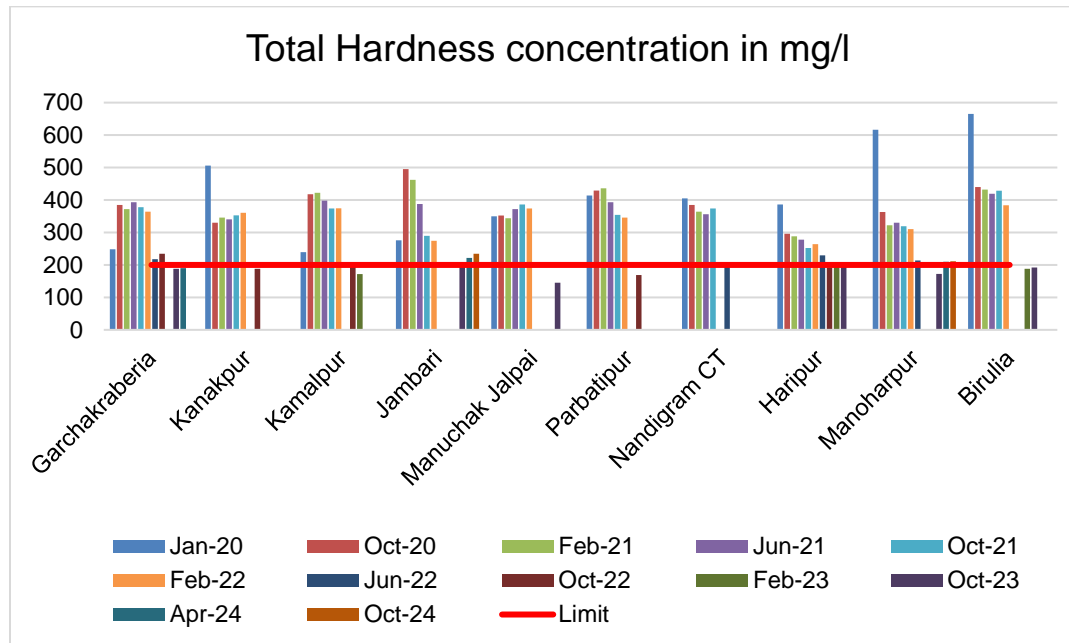
172. The above graphs show the comparison of DO value between baseline and till report period. The graphs show that DO concentration is higher than minimum requirement. No surface water body is located within the work area. BOD concentration is above the standard at Jambari and Thakurchak. Higher BOD indicates more oxygen is required which is less for oxygen demanding species to feed on and signifies lower water quality. It is mainly due to eutrophication condition of ponds and also for the household's use of ponds like cleaning, bathing etc.

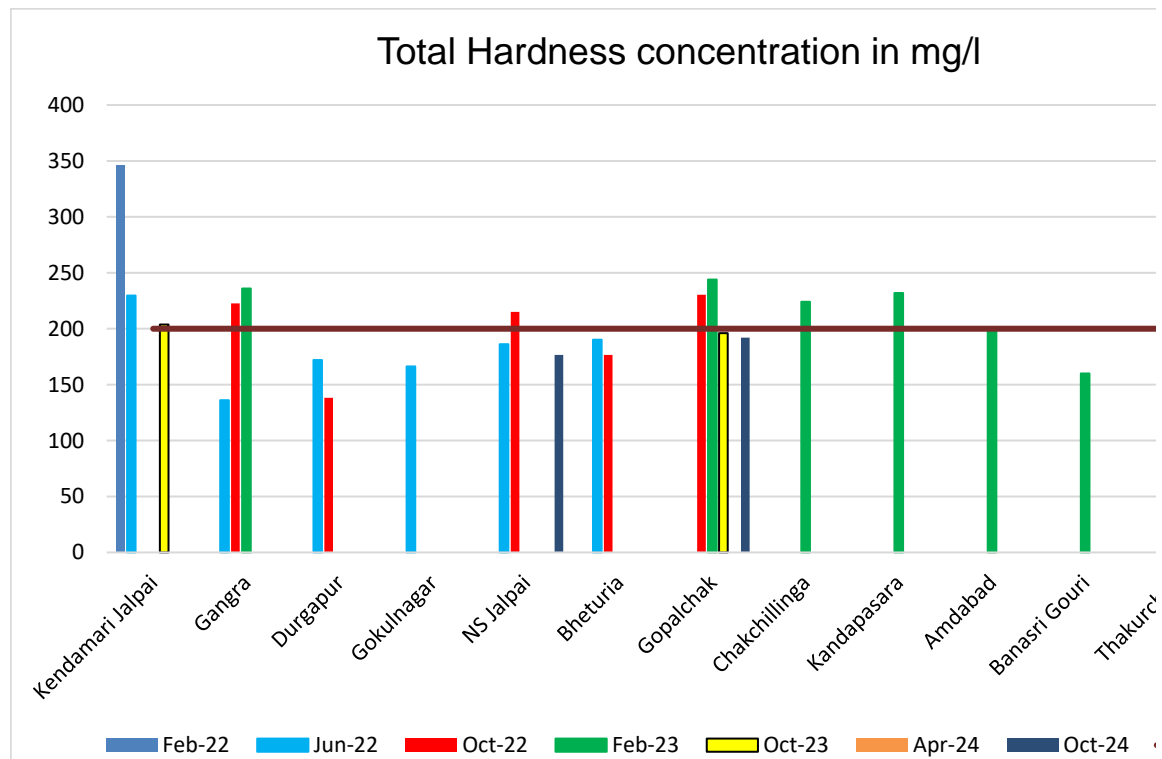
173. Below Table shows ground water/ bore well water quality near work sites. At few sites alkalinity, total hardness and iron are above the acceptable limit but within the permissible limit.

Ground Water Quality

Table 28G: During construction Ground Water (Borewell) Monitoring data (package- EM/02)

Location Name	Date	Parameter													
		pH (25 °C)	Turbidity (NTU)	Total Alkalinity as CaCO ₃ in mg/l	TDS in mg/l	Total Hardness as CaCO ₃ in mg/l	Magnesium (as mg) in mg/l	Chloride as Cl in mg/l	Sulfate as SO ₄ in mg/l	Nitrate as NO ₃ in mg/l	Iron as Fe in mg/l	Copper As Cu in mg/l	Lead as Pb in mg/l	Total Arsenic as As in mg/l	Mercury as Hg in mg/l
Jambari	21.10.2024	7.63	<1	205.9	358	234.2	25.8	71.5	35.6	0.75	0.41	<0.02	<0.01	<0.01	
Monoharpur	21.10.2024	7.14	<1	190.1	326	211.2	22.1	63.5	38.1	0.81	0.41	<0.02	<0.01	<0.01	
NS Jalpai	21.10.2024	7.05	<1	205.9	276	176.6	19.4	51.6	30.6	0.65	0.27	<0.02	<0.01	<0.01	
Gopalchak	21.10.2024	7.39	<1	213.8	324	192.0	20.3	51.6	30.5	0.68	0.19	<0.02	<0.01	<0.01	
Thakurchak	21.10.2024	7.69	<1	233.6	382	253.4	26.7	69.5	41.2	0.87	0.39	<0.02	<0.01	<0.01	
Acceptable Limit		6.5 to 8.5	1 NTU	200	500	200		250	200	45	0.3	0.05	0.01	0.01	
Permissible limit in the absence of alternate source		No Relaxation	5	400	2000	600		1000	400	No relaxation	1.0	1.5	No relaxation	0.05	





Soil Quality Data

Table 28H: During construction Soil Quality monitoring data (Package- EM/02)

Location Name	Parameters	Result	Unit
NS Jalpai		Sampling date: 21.10.2024	
1	pH (at 18 °C) Value (1:2)	7.63	--
2	Elect. Conductivity (1:5)	1.31	ms/ cm
3	Moisture	1.8	%
4	Texture	Clay Loam	
5	Calcium as Ca	0.34	%
6	Magnesium as Mg	0.09	%
7	Permeability	0.6	cm/hr
8	Organic Matter	1.09	%
9	Oil & Grease	1.6	mg/kg
10	Phosphate	118	mg/kg
11	Sodium as Na	67	mg/kg
12	Potassium as K	136	mg/kg
13	Available Nitrogen as N	308	Mg/kg
Monoharpur		Sampling date: 21.10.2024	
1	pH (at 18 °C) Value (1:2)	7.44	--
2	Elect. Conductivity (1:5)	1.06	ms/ cm
3	Moisture	1.9	%
4	Texture	Clay Loam	
5	Calcium as Ca	0.39	%
6	Magnesium as Mg	0.12	%
7	Permeability	1.1	cm/hr
8	Organic Matter	0.9	%
9	Oil & Grease	<0.4	mg/kg
10	Phosphate	72.6	mg/kg
11	Sodium as Na	51.8	mg/kg
12	Potassium as K	117	mg/kg
13	Available Nitrogen as N	182	Mg/kg
Jambari		Sampling date: 22.10.2024	
1	pH (at 18 °C) Value (1:2)	8.03	--
2	Elect. Conductivity (1:5)	0.87	ms/ cm
3	Moisture	1.4	%
4	Texture	Silty Clay	
5	Calcium as Ca	0.47	%
6	Magnesium as Mg	0.10	%
7	Permeability	1.5	cm/hr
8	Organic Matter	0.86	%
9	Oil & Grease	0.8	mg/kg
10	Phosphate	41.8	mg/kg
11	Sodium as Na	57.9	mg/kg
12	Potassium as K	124	mg/kg
13	Available Nitrogen as N	280	Mg/kg
Thakurchak		Sampling date: 22.10.2024	
1	pH (at 18 °C) Value (1:2)	7.38	--
2	Elect. Conductivity (1:5)	1.42	ms/ cm
3	Moisture	1.5	%
4	Texture	Clay Loam	
5	Calcium as Ca	0.35	%
6	Magnesium as Mg	0.	%
7	Permeability	1.7	cm/hr
8	Organic Matter	0.63	%
9	Oil & Grease	<0.4	mg/kg
10	Phosphate	70.4	mg/kg
11	Sodium as Na	69.2	mg/kg
12	Potassium as K	136	mg/kg
13	Available Nitrogen as N	196	Mg/kg

Location Name	Parameters	Result	Unit
Gopalchak		Sampling date: 22.10.2024	
1	pH (at 18 °C) Value (1:2)	7.31	--
2	Elect. Conductivity (1:5)	1.16	ms/ cm
3	Moisture	2.8	%
4	Texture	Sandy Clay	
5	Calcium as Ca	0.36	%
6	Magnesium as Mg	0.1	%
7	Permeability	2.8	cm/hr
8	Organic Matter	1.14	%
9	Oil & Grease	<0.4	mg/kg
10	Phosphate	62.4	mg/kg
11	Sodium as Na	55.6	mg/kg
12	Potassium as K	107	mg/kg
13	Available Nitrogen as N	126	Mg/kg

174. The results of five locations showing that all the soil parameters are within the normal range including pH and electrical conductivity.

VII SUMMARY OF KEY ISSUES AND REMEDIAL ACTIONS

175. Status of EMP application discussed in earlier section. Some partial compliance issues have been noted during report period.

176. **Table 29** lists the implementation status of corrective action observed from May to October 2024 in work sites of North 24 pgs, Bankura and Purba Medinipur packages that were active during November 2023 to April 2024. The implementation plan for partially completed corrective actions is presented in **Table 29**.

Table 29: Implementation of Corrective Action Plan (North 24 pgs, Bankura and Purba Medinipur)

Sr no.	Pending issues (November 2023 to April 2024 period)	Status	Further Action Required	Responsible-Implementation	Budget
North 24 pgs					
1	Road restoration and street cleaning after laying of pipeline (N24pgs/01)	Complied	Needs to be continued		
2	Use of PPEs such as helmet, safety jacket and shoes often found missing during work (N24pgs/01)	Improvement noted Complied	Complete use needs to be continued		
3	Improvement of electrical safety at few work sites (N24pgs/01)	Improvement noted Complied	Needs to be maintained		
4	Use of Shoes, Hand gloves, Googles and safety belt in OHR and pipeline canal crossing work often found missing. (N24pgs/ 02A and 02B).	Immediate arrangement of required PPEs at site Partially improved	Instructed to the contractor and immediate improvement is required	Contractor	Contractor work cost and EMP budget
5	Safety signage and caution board in local language not available (N24pgs/ 02A)	Complied			

Sr no.	Pending issues (November 2023 to April 2024 period)	Status	Further Action Required	Responsible-Implementation	Budget
6	Housekeeping not done on regular basis (N24pgs/ O2A & O2B)	Needs to be improved at work site and finished location	Housekeeping should be on regular basis	Contractor	Contractor work cost and EMP budget
Bankura					
1	Project display board and safety signage board not placed properly (BK/01)	Safety signage board in local language needs to be placed at proper location Partially complied	Immediate action is required for compliance	Contractor	Contractor work cost and EMP budget
2	Partial use of PPEs noted at site (BK/01)	Complete use of PPEs by the workers Partially complied	Further improvement is required, immediately	Contractor	Contractor work cost and EMP budget
3	Sometime barricade/ placement of caution tape is missing (BK/01)	Complete use of caution tape/ barricade as per requirement	Immediate attention is required – for complete use	Contractor	Contractor work cost and EMP budget
4	HSE training not done for workers on regular basis (BK/03)	Complied	Needs to be continued		
5	Placement of safety signage board in local language (BK/02A, BK/02B and BK/04)	Immediate placement of Safety signage board and which should be sufficient Partially improved	Further improvement is required, immediately	Contractor	Contractor work cost and EMP budget
6	Maintained toilet facility at all work sites (BK/02A, BK/02B and BK/04)	Partially improved at package work sites	Toilet needs to be maintained at all work sites	Contractor	Contractor work cost and EMP budget
Purba Medinipur					
1	Housekeeping not satisfactory at intake site (EM 01)	Improved at the intake site			
2	Backfilling and early road restoration (EM/02)	Partially complied	Immediate filling up of excavated areas after pipe laying	Contractor	Contractor work cost and EMP budget
3	Barricading incomplete at few locations (EM/02)	Partially improved	Complete barricading at work site	Contractor	Contractor work cost and EMP budget

177. **Table 30** provides the recommended corrective action plan that has been devised and target dates that have been set so as to remove these non-compliances. The concerned Contractors have been suitably advised. Contractors have also been advised to provide written commitment for implementation of corrective action plan.

Table 30: Implementation Plan for Pending/ New Corrective Actions (North 24 pgs, Bankura and Purba Medinipur)

Sr no.	New/ Pending issues	Action Required	Responsible - Implementation/ Budget	Target Date	Responsible – Monitoring	Responsible – Reporting	Indicator of Compliance
North 24 pgs							
1	Improvement is required for placement of barricade, caution tape and caution board (N24pgs/01)	Complete use of barricade, caution tape and caution board at excavated areas and work sites	Contractor/ Contractor work cost and EMP budget	Immediate	DSISC, PIU	PIU, PMU- PMC	Site observation
2	Use of Shoes, Hand gloves, Googles and safety belt in OHR and pipeline canal crossing work often found missing. (N24pgs/ 02A and 02B).	Immediate arrangement of required PPEs at site necessary	Contractor/ Contractor work cost and EMP budget	Immediate	DSISC, PIU	PIU, PMU- PMC	Site observation
3	Improvement of housekeeping (N24pgs/ 02A & 02B)	Housekeeping should be on regular basis	Contractor/ Contractor work cost and EMP budget	Immediate	DSISC, PIU	PIU, PMU- PMC	Site observation
Bankura							
1	Project display board and safety signage board not placed properly (BK/01)	Safety signage board in local language needs to be placed at proper location	Contractor/ Contractor work cost and EMP budget	Immediate	DSISC, PIU	PIU, PMU- PMC	Site observation and checking
2	Partial use of PPEs noted at site (BK/01)	Complete use of PPEs by the workers	Contractor/ Contractor work cost and EMP budget	Immediate	DSISC, PIU	PIU, PMU- PMC	Site observation and checking
3	Sometime barricade/ placement of caution tape is missing (BK/01)	Complete use of caution tape/ barricade as per requirement	Contractor/ Contractor work cost and EMP budget	Immediate	DSISC, PIU	PIU, PMU- PMC	Site observation and checking
4	Improvement of labour camp at intake and WTP site. (BK/01)	Immediate restoration of worker's camp	Contractor/ Contractor work cost and EMP budget	Immediate	DSISC, PIU	PIU, PMU- PMC	Site observation and checking
5	Adequate toilet facilities should be provided near the GLSR location in Gobindapur.	Immediate arrangement of toilet facility	Contractor/ Contractor work cost and EMP budget	Immediate	DSISC, PIU	PIU, PMU- PMC	Site observation and checking

Sr no.	New/ Pending issues	Action Required	Responsible - Implementation/ Budget	Target Date	Responsible – Monitoring	Responsible – Reporting	Indicator of Compliance
	(BK/01)						
6	Placement of safety signage board in local language (BK/02A, BK/02B and BK/04)	Immediate placement of Safety signage board and which should be sufficient	Contractor/ Contractor work cost and EMP budget	Immediate	DSISC, PIU	PIU, PMU-PMC	Site observation and checking
7	Maintained toilet facility at all work sites (BK/02A, BK/02B and BK/04)	Toilet needs to be maintained at all work sites	Contractor/ Contractor work cost and EMP budget	Immediate	DSISC, PIU	PIU, PMU-PMC	Site observation and checking
8	Boards are old, replacement required (BK/02B)	Old display board needs to be replaced	Contractor/ Contractor work cost and EMP budget	Immediate	DSISC, PIU	PIU, PMU-PMC	Site observation and checking
Purba Medinipur							
1	Caution board not sufficient at pipelaying site (EM 01)	Immediate improvement is required	Contractor/ Contractor work cost and EMP budget	Immediate	DSISC, PIU	PIU, PMU-PMC	Site observation
2	Backfilling and early road restoration partially complied (EM/02)	Immediate filling up of excavated areas after pipe laying	Contractor/ Contractor work cost and EMP budget	Immediate and continuous process	DSISC, PIU	PIU, PMU-PMC	Site observation
3	Barricading incomplete at few locations (EM/02)	Complete barricading at work site	Contractor/ Contractor work cost and EMP budget	Immediate and continuous process	DSISC, PIU	PIU, PMU-PMC	Site observation

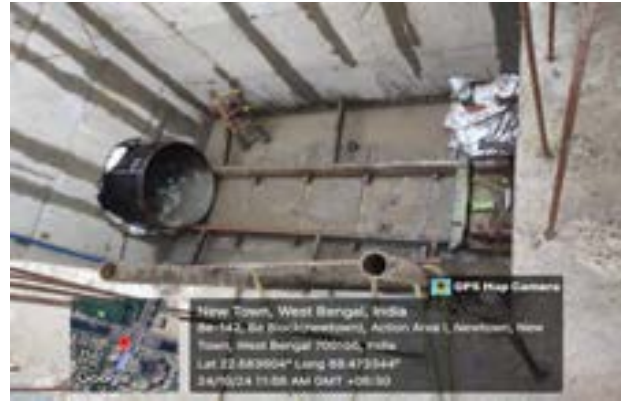
APPENDIX

APPENDIX - 1: PHOTO ILLUSTRATION

North 24 pgs



Casting Work at CWR of Bhangar GLSR



Jack Pushing Work for Pipe Laying By Road Crossing at Jatragachi More, New Town, Rajarhat



Superstructure work is in progress at Zone -5, Bhangar II block



DSISC & PMC representatives discussing with safety officer of contractor, Bhangar II block



OHR construction work is in progress at zone 11, Bhangar II



Two-in pit toilet constructed for the laborers. Bhangar II block.

Bankura



Piling work continued at Intake site (Bk/01)



Construction activities at WTP(Bk/01)



Proper use of rubber mat near electrical DB box (Bk/02A)



Use of safety net during height work (Bk/02B)



Construction activities at Intake area (Bk/03)



House keeping campaign at WTP (Bk/03)



Proper housekeeping at OHSR site (Bk/04)



Toilet facility at sites (Bk/04)

East Medinipur



Environmental safety measures at Intake (EM 01)



Environmental Compliance: Safety related posters displayed at WTP (EM 01)



Safety related information provided at Intake site (EM/01)



Environmental Compliance: Emergency Contact and Safety related posters displayed at Gopalchak OHSR site (EM 02)



Toilets and washroom available for the workers at Thakurchak Labour colony (EM/02)



Environmental Compliance: Emergency Contact and Safety related posters displayed at Durgapur OHSR site (EM 02)

APPENDIX - 2: LABOUR LICENSE

SAMPLE PACKAGE- N 24PGS/01- NORTH 24 PGS

GOVERNMENT OF WEST BENGAL
OFFICE OF THE ASSISTANT LABOUR COMMISSIONER ,
BARASAT

34, K.N.C. Road (Station Road), Top Floor, Barasat, Pin Code - 700124

FORM - VI
[See Rule 25 (1)]

Licence No. :- BRS15/CLL/000443 **Date : 20th May, 2019**

Lic Fees	₹ 250
S. Deposit	₹ 10000

Licence

Licence is hereby granted to FFIL-RIL JV at Ward.107, PS - Kasba, Kolkata, Pin Code - 700107 under Section 12(1) of the Contract Labour (Regulation and Abolition) Act, 1970 subject to the conditions specified in Annexure.

The Licence shall remain in force till: 18th May, 2020

Signature and Seal of
Licensing Officer

Renewal
[Rule 29]

Renewal vide AIN No RENEWAL-LIC-0010696-0029039-10644-2024

- 1. Date of Renewal** 23rd Sep, 2024
- 2. Fees paid for Renewal** ₹ 250 (Two Hundred And Fifty only)
- 3. Date of Expiry** 18th May, 2025

Signature and Seal of
Licensing Officer

FORM - VI: 00102142
Establishment Information: [BRS15/CLR/000207]
EXECUTIVE ENGINEER PIU NORTH 24 PARGANAS WBDWSIP
PHE DTE
Utility Building, Tank No.-3, 2nd Floor, Action Area-IA, New
Town, Kolkata-700156
Notified Area - NKDA, NKDA,
Barasat, PS - New Town,
North 24 Parganas , PIN- 700156

****This Renewal Certificate is system generated and does not require any signature.**
For authenticity, please scan the QR Code

SAMPLE-PACKAGE BK/02A-BANKURA



GOVERNMENT OF WEST BENGAL
OFFICE OF THE ASSISTANT LABOUR COMMISSIONER ,
KHATRA

*Office Of The Assistant Labour Commissioner, Khatra Dhalai Road PO & PS- khatra Dist.-
Bankura Pin-722140*

FORM - VI
[See Rule 25 (1)]

Licence No. : KTR09/CLL/000044 **Date : 21st Aug, 2019**

Lic Fees	₹ 250
S.Deposit	₹ 10000

Licence

*Licence is hereby granted to **Larsen & Toubro Limited** at **Ward No. 9 Holding no. 95/B/11, Uttar Aurobindo Nagar, Junbedia More, Bankura Municipallty , 1Ward- 9, Bankura Sadar , PS - Bankura , District - Bankura, Pin Code - 722101** under Section 12(1) of the Contract Labour (Regulation and Abolition) Act, 1970 subject to the conditions specified in Annexure.*

*The Licence shall remain in force till: **19th Aug, 2020***

*Signature and Seal of
Licensing Officer*

Renewal
[Rule 29]

Renewal vide AIN No	RENEWAL-LIC-0011249-0028741-30452-2024
1. Date of Renewal	02nd Sep, 2024
2. Fees paid for Renewal	₹ 1000 (One Thousand only)
3. Date of Expiry	19th Aug, 2025

*Signature and Seal of
Licensing Officer*



FORM- V: 00130086
Establishment Information: [BAN05/CLR/000038]
PROJECT IMPLIMENTATION UNIT, PUBLIC HEATH
ENGINEERING DIRECTORATE
Allakundi, PHE Complex
Anchurt, Block - Bankura -I ,
Bankura Sadar , PS - Bankura ,
Bankura , PIN- 722102

ANNEXURE

The licence is subject to the following conditions:

- (1). The licence shall be non-transferable.
- (2). The number of workmen employed as contract labour in the establishment shall not on any day, exceed **300 (Three Hundred)**.
- (3). Except as provided in the rules the fees paid for the grant, or as the case may be, for renewal of the licence shall be non-refundable.
- (4). The rates of wages payable to the workmen by the contractor shall not be less than the rates prescribed for the Schedule of employment under the Minimum Wages Act, 1948, where applicable, and where the rates have been fixed by agreement, settlement or award, not less than the rates fixed.
- (5). In cases where the workmen employed by the contractor perform the same or similar kind of work: as the workmen directly employed by the principal employer of the establishment, the wage rates, holidays, hours of work and other conditions of service of the workmen of the contractor shall be the same as applicable to the workmen directly employed by the principal employer of the establishment on the same or similar kind of work provided that in the case of any disagreement with regard to the type of work the same shall be decided by the Labour Commissioner, West Bengal, whose decision shall be final.
- (6). In other cases the wage rates, holidays, hours of work and conditions of service of the workmen of the contractor shall be such as may be specified in this behalf by the Labour Commissioner, West Bengal.
- (7). In every establishment where 50 or more, women having children are ordinarily employed as contract labour there shall be provided 2 rooms of reasonable dimensions for the use of their children under the age of six years. One of such rooms would be used as a play room for the children and the other as bed room for the children. For this purpose the contractor shall supply adequate number of toys and games in the play room and sufficient number of cots and beddings in the sleeping room. The standard of construction and maintenance of the creches may be such as may be specified in this behalf by the Labour Commissioner, West Bengal.
- (8). The Licensee shall notify any change in the number of workmen or the conditions of work to the Licensing Officer.

**APPENDIX -3: SAMPLE CONTRACTOR’S INSURANCE POLICY FOR WORKERS
PACKAGE – N24PGS/02B- NORTH 24 PGS**



Employee Compensation Insurance Policy- Policy Schedule			
Policy Servicing Office : Off Code-15,Future Generali India Insurance Co Ltd, 1st Floor D.No.7-1-21A, APDL Estate Opp Country Club, Begumpet, Hyderabad, Telangana, Pincode- 500016., Tel No : 040-66038600			
Policy No : L0254467 Insured : NCC LTD	Period of Insurance : From 00:00 21/02/2024 To Midnight of 20/02/2025 Intermediary Name/Code : TROVITY INSURETECH INSURANCE BROKING SERVICES PRIVATE LIMITE6 0696338	Address : 5TH FLOOR, BLOCK-4A,, ECOSPACE BUSINESS PARK,, NEWTOWN, KOLKATA, WEST BENGAL,, 700156 Telephone(Mob,Home) : 9704599899/9704599899 Email Id : RAM@TROVITY.COM	
GSTIN Number : 19AAACN7335C1ZM	PFI GSTIN Number : 36AABC0191R1ZA	In consideration of the Policy holder named herein paying to the Future Generali India Insurance Company Limited (hereinafter called the Insurer) the premium as stated in the Schedule and in reliance upon the statements made by the Policy holder in the proposal including its attachments or otherwise, and the material incorporated therein, the Insurer agrees to provide insurance against loss damage liability or expenses to the extent and in the manner herein provided subject to all terms, conditions, exceptions and warranties hereinafter set forth.	
Co-insurance Details		Schedule Of Premium (₹)	
Insurer Future Generali India Insurance Company Limited	Share (In %) 100%	Gross Premium 39,744.00 Goods and Service Tax 7,153.92 Total Premium 46,898.00	
Risk Details			
Name of Business : Design & Construction of overhead reservoir including water supply distribution & metering works in Bhargar II Block Project Name : NA Location : Design & Construction of overhead reservoir including water supply distribution & metering works in Bhargar II Block Contractor/Sub-Contractor Name : CONTRACTOR AND SUBCONTRACTOR ARE COVERED			
No of Employees	Description of work	Declared Wages during the Period of Insurance (₹)	
2	Highly Skilled workers Monthly wages of Ra.15,000/- per person	360,000.00	
5	Skilled workers Monthly wages of Ra.15,000/- per person	900,000.00	
5	Semi Skilled Workers Monthly wages of Ra.15,000/- per person	900,000.00	
20	Unskilled Workers Monthly wages of Ra.15,000/- per person	3,600,000.00	
Total		5,760,000.00	
Coverage Details			
The Policy covers Liability of the Insured under the following Law(s) shown as covered, subject to claim being otherwise admissible as per terms, conditions and exclusions of the Policy and subject to Limit of Indemnity as stipulated against each Law:			
Law	Limit of Indemnity	Coverage	
Employee's Compensation Act, 1923 and subsequent amendments thereof prior to the date of issue of this Policy	Subject otherwise, to the terms, conditions & amp; Exclusions of the Policy, the amount of liability incurred by the Insured	Yes	
Common Law/ Fatal Accident		Yes	
Law(s)			
WC Act 1923 and subsequent amendment of the said Act prior to the date of issue of the policy provided that the insurance granted hereunder is not extended to include: i. Any interest and/or penalty imposed on the insured on account of his/their failure to comply with the requirements laid down under WC Act 1923; ii. Occupational disease of any kind.			
Additional Clauses, Conditions, Warranties & Exclusions			
Terrorism is excluded from coverage No cover for Medical Expenses, Unless specifically allowed in the policy. The maximum liability of Future Generali India Insurance Co. Ltd. will not be more than INR 60 crores in aggregate No Cover for Medical Expenses. No Cover for occupational Diseases Jurisdiction / Territory : India Excluding Wet Risk, Blasting, Tunnelling and Handling of Explosives Excluding loss arising out of installation & erection of live wiring. Warranted that safety practices are followed by the workers and safety gadgets are used by the workers while working in heights Contractors and sub contractors employees are covered. Compensation of claim in case of Accident - as per Employee Compensation Act, Common Law & Fatal Accident Any Direct or indirect loss by infectious or contagious disease is excluded from scope of policy Communicable Disease Exclusion Endorsement - Employees Compensation/Workers Compensation Sanction Limitation and Exclusion Clause			



Future Generali India Insurance Company Limited, Registered and Corporate Office address: 801 and 802, 8th Floor, Tower C, Embassy 24x7 Park, L.B.S. Marg, Vikhroli - West, Mumbai, Maharashtra - 400033. Call Centre - 1900-226-233, 1860-505-1333, 022-67837800, Email: fgi@futuregeneralilife.com, Website: www.futuregeneralilife.com. IRDA Regn. No. 132, CBN - U66030MH2006PLC165287.

PACKAGE – EM/02 – EAST MEDINIPUR



Date : 29/03/2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that we have issued Workman compensation Policy to M/S. Larsen & Toubro Limited for the year valid from 31/03/2024 to 30/03/2025.

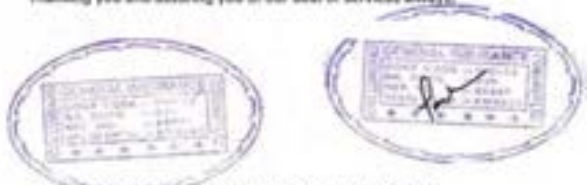
This policy covers all category of workers including but not limited to Highly Skilled, Skilled, Semi-skilled and Un skilled workers, Direct workers, Subcontractor workers, apprentices, security guards, Drivers, trainee workers, workmen of JV / Consortium of Larsen & Toubro Limited, all Subsidiary & Associate Companies, L&T Infrastructure Development Projects, L&T Energy Hydrocarbon Engineering Ltd , L&T Geostucture Private Limited, located anywhere in India.

The Policy is under preparation & issuance. Until issuance of policy, this risk confirmation shall hold good and is a valid proof of insurance as per details mentioned above.

Thanking you and assuring you of our best of services always,

Yours truly,

Thanking you and assuring you of our best of services always.



ICICI Lombard General Insurance Company Limited

ICICI Lombard General Insurance Company Limited

RICA Reg. No. 115	CIN: 052700ANN298791E179408	Toll Free No. : 1100 7104
Mailing Address:	Registered Office:	Alternate No. : +91 922622966 (charge)
401 & 402, 9th Floor, Inorbita II, ICICI Lombard House, 411, Vaze Sarvadar Marg,	New Delhi-110025	Email: corporate@icicilombard.com
Yash Sakring Road, Vasant Vihar, New Delhi-110025	New Delhi-110025	Website: www.icicilombard.com

APPENDIX 4: TREE FELLING NOC AND COMPLIANCE

BANKURA

Tree felling NOC Bankura (WTP site – Package Bk/ 03)

To Mandal
Siv

Part I] THE KOLKATA GAZETTE, EXTRAORDINARY, FEBRUARY 9, 2007 13

Form III
Form for Permission for Felling / Disposing of Trees in Non-Forest Areas
[See Rule 5 (2)]

Permit No. 40/GG Dated 5/12/19

Whereas the applicant, Sri/Sent./Messrs Public Health Engineering dept
Address Ailakandi, Bankura, Pin - 72201 has
submitted an application with the prescribed fee on 9/7/19 for permission for felling /
disposing of trees for the purpose of Development purpose at the following site:

(a) Location : G. Ghati

(b) Details of Plot(s) of Land : plot no - 251, mouza - Barudchpur
7.1 no - 13

AND Whereas the undersigned is satisfied with regard to the legality of documents towards
the proof of ownership or lease of the land on which such tree stands;

AND Whereas the purpose for which the trees are required to be felled is in conformity
with rule 4 (1) of the West Bengal Trees (Protection and Conservation in Non-Forest Areas)
Rules, 2006 :

AND Whereas an inquiry in the prescribed manner has been carried out on 21/10/19
and the undersigned has examined the inquiry report with due care;

AND Whereas the land in question belongs to the Tea Garden and the applicant
has produced a specific scheme framed under the provisions of the Plantations Labour Act,
1951 for utilizing the sale proceeds strictly for the purpose of welfare of the labourers;

AND Whereas the applicant is a developer who has already obtained a Certificate of Clearance
No. dated Issued by the undersigned and sanction of the
building / construction plan by the sanctioning authority, viz.
..... vide his letter No. Dated

AND Whereas it is found on inquiry that the proposed felling will not alter nature or character
or mode of use of the land.

OR

The Applicant has produced the requisite permission under section 4C of the West Bengal
Land Reforms Act, 1955.

14 THE KOLKATA GAZETTE, EXTRAORDINARY, FEBRUARY 9, 2007 [Part I

AND whereas the applicant has deposited the prescribed security amount for plantation of trees to the undersigned;

OR

The applicant has been exempted by the undersigned from the obligation of plantation of trees under sub-rule (2) of rule 6 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Rules, 2006,

OR

The applicant has expressed his inability to undertake the plantation of trees by himself and has deposited to the undersigned the amount for the designated agency as prescribed under sub-rule (3) of rule 6 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Rules, 2007.

OR

The applicant is a developer and not required to deposit the security amount.

* Strike off if not applicable.
* Strike off the option which is not applicable.

Now, therefore, in persons to the power conferred under sub-section (1) of section 5 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006, the undersigned permits the applicant to undertake the felling of the trees as included in the Annexure.

The undersigned also permits the applicant (not a developer) under the first proviso to section 8 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006, to plant only _____ number of trees instead of the number prescribed under sub-rule (1) of rule 6 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) rules 2007. OR permits the applicant to plant _____ number of trees over different plots(s) of land (as indicated in Condition No. 3 below) because (give reasons) _____, which is in conformity with sub-rule (2) of rule 6 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Rules, 2007.

The permission as given above is subject to the following conditions:-

This permit is non-transferable and valid only up to 18/3/2020

1. the applicant (if a developer) shall take up plantation of trees in accordance with the approved plantation plan and the Certificate of Clearance within _____ month(s) from the date of sanction of the building / construction plan by the sanctioning authority;
2. The applicant (if not a developer) shall take up plantation of 1160 number of trees ১১৬০ over the Plot(s) No. ৪৫, বাসুদেবপুর মনুড়া within 3 months from the date of issue of this permit.

Part II THE KOLKATA GAZETTE, EXTRAORDINARY, FEBRUARY 9, 2007 15

3. As provided in section 10 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006, the applicant (if not a developer) shall start preparatory work for plantation within sixty days from the date for permit or the date of receipt of directions from the undersigned, as the case may be, and shall undertake plantation for trees in accordance with such directions;
4. The applicant shall inform the undersigned in writing immediately on completion of the plantation of trees;
5. The applicant shall, within a week of carrying out felling of trees, submit a report to the undersigned indicating the total number of logs and firewood produced against each species;
6. Stumps of the felled trees shall be retained for a least one month from the date of felling;
7. The felling and carriage of trees shall not be carried out after the sun-set and before the sun-rise.
8. This permission is subject to the provisions of the West Bengal forest (Establishment and Regulation of Saw Mills and Other Wood-based Industries) Rules, 1952 and The West Bengal Forest Produce Transit Rules, 1959.
9. This permit should be produced for inspection on demand to the undersigned or any of the authorities specified in sections 15 and 17 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006.

(Signature of the Competent Authority)

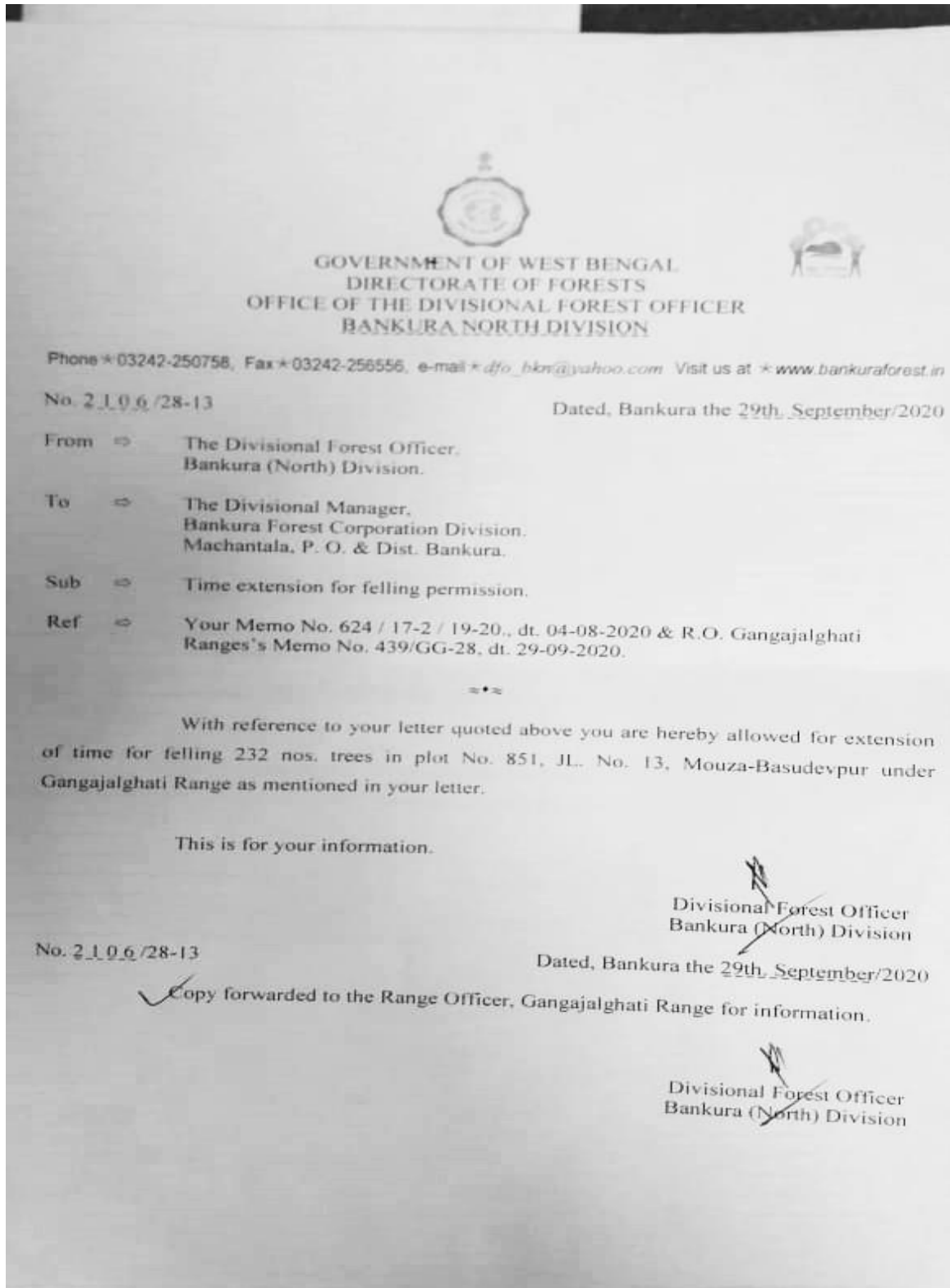
Name : D. Pyne

Designation FR

Official Seal : **Permit Range Officer**
Gangajalghat Range

* Strike off if not applicable.

Copy of extension letter (Tree felling- VALIDITY)



COMPLIANCE OF PERMISSION FOR FELLING OF TREES -PKG-BK/03

Sl. No.	General Conditions for Permission for Felling of Trees	Compliance Status	Remarks
1	The applicant shall take up plantation of trees in accordance with the approved plantation plan and the certificate of clearance within months from date of sanction of the building/construction plan by the sanctioning authority.	Partially done	More than 5000 no. of plantation done at WTP site during monsoon, only 50% survival observed (mainly local species of mango, sonajhuri and palash). Balance plantation suggested after completion of site boundary/ before onset of this year monsoon.
2	The applicant shall take up planation of 1160 number of trees 232 nos. over the Plot No. 851, Basudevpur Mouza within 3 months from the date of issue of this permit.	Partially done	Re-plantation will be taken once the construction of boundary wall completed
3	As provided in section 10 of the West Bengal Trees (Protection and Conservation in non-forest areas) Act, 2006, the applicant shall start preparatory work for plantation within sixty days from the date for permit or the date of receipt of directions from the undersigned, as the case may be, and shall undertake plantation for trees in accordance with such directions.	Partially done	2500 no. of plantation done at WTP site during last monsoon, however due to lack of proper care and cattle movement, survival rate is not good. Replantation suggested after completion of site boundary wall/ before onset of this year monsoon.
4	The applicant shall inform the undersigned in writing immediately on completion of the plantation of trees.	Not done	Will inform in writing on completion of plantation of trees.
5	The applicant shall, within a week of carrying out felling of trees, submit a report to the undersigned indicating the total number of logs and firewood produced against each species.	Not Applicable	Felling of trees carried out by the respective Forest Department only.
6	Stamps of the felled trees shall be retained for a least one month from the date of felling.	Not applicable	Felling of trees carried out by the respective Forest Department only.
7	The felling and carriage of trees shall not be carried out after the sun-set and before the sun-rise.	Complied	No tree felling carried out after sun-set and before sun-rise.

PURBA MEDINIPUR

Package EM/01

NOC for tree felling from INTAKE(MIRPUR) to GANJANARYANPUR (98 Nos)

Part I] THE KOLKATA GAZETTE, EXTRAORDINARY, FEBRUARY 9, 2007 13

Form III

Form for Permission for Felling / Disposing of Trees in Non-Forest Areas
[See Rule 5 (2)]

Permit No. 227/AFR-17 Dated: 16/10/2020

Whereas the applicant, Sri/Smt./Messrs. Amritan Bhattacharya, office of the ex-ang.
Address: 1, 2, W. P. K., T. B. M. K. has submitted an application with the prescribed fee on for permission for felling / disposing of trees for the purpose of Ripe for drinking water at the following site:

(a) Location :
(b) Details of Plot(s) of Land : Plot no - 11, 50, 60, 140, 145, 50, 61
56, 57, 58, 59, 54.
Dist: Nanganjan, Batabaran, Talbaria, Ichapur, Mirpur.

AND Whereas the undersigned is satisfied with regard to the legality of documents towards the proof of ownership or lease of the land on which such tree stands;

AND Whereas the purpose for which the trees are required to be felled is in conformity with rule 4 (1) of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Rules, 2009 :

AND Whereas an inquiry in the prescribed manner has been carried out on and the undersigned has examined the inquiry report with due care;

AND Whereas the land in question belongs to the Tea Garden and the applicant has produced a specific scheme framed under the provisions of the Plantations Labour Act, 1951 for utilizing the sale proceeds strictly for the purpose of welfare of the labourers;

AND Whereas the applicant is a developer who has already obtained a Certificate of Clearance No. dated issued by the undersigned and sanction of the building / construction plan by the sanctioning authority, viz. vide his letter No. Dated

AND Whereas it is found on inquiry that the proposed felling will not alter nature or character or mode of use of the land.

OR

The Applicant has produced the requisite permission under section 4C of the West Bengal Land Reforms Act, 1955.

Allow to fell
16/10/20
Forest Range Officer
N.F. Area, Nanganjan

AND whereas the applicant has deposited the prescribed security amount for plantation of trees to the undersigned;

OR

The applicant has been exempted by the undersigned from the obligation of plantation of trees under sub-rule (2) of rule 6 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Rules, 2006;

OR

The applicant has expressed his inability to undertake the plantation to trees by himself and has deposited to the undersigned the amount for the designated agency as prescribed under sub-rule (3) of rule 6 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Rules, 2007.

OR

The applicant is a developer and not required to deposit the security amount.

- * Strike off if not applicable.
- * Strike off the option which is not applicable.

Now, therefore, in persons to the power conferred under sub-section (1) of section 5 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006, the undersigned permits the applicant to undertake the felling of the trees as included in the Annexure.

The undersigned also permits the applicant (not a developer) under the first proviso to section 8 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006, to plant only 498 number of trees instead of the number prescribed under sub-rule (1) of rule 6 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) rules 2007. OR permits the applicant to plant 498 number of trees over different plots(s) of land (as indicated in Condition No. 3 below) because (give reasons), which is in conformity with sub-rule (2) of rule 6 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Rules, 2007;

The permission as given above is subject to the following conditions:-

This permit is non-transferable and valid only up to

1. the applicant (if a developer) shall take up plantation of trees in accordance with the approved plantation plan and the Certificate of Clearance within month(s) from the date of sanction of the building / construction plan by the sanctioning authority;
2. The applicant (if not a developer) shall take up plantation of 498 number of trees over the Plot(s) No. 1155, 66, 148, 648, 50, 66 within 1 (one) months from the date of issue of this permit;

Part I] THE KOLKATA GAZETTE, EXTRAORDINARY, FEBRUARY 9, 2007 15

3. As provided in section 10 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006, the applicant (if not a developer) shall start preparatory work for plantation within sixty days from the date for permit or the date of receipt of directions from the undersigned, as the case may be, and shall undertake plantation for trees in accordance with such directions;
4. The applicant shall inform the undersigned in writing immediately on completion of the plantation of trees;
5. The applicant shall, within a week of carrying out felling of trees, submit a report to the undersigned indicating the total number of logs and firewood produced against each species;
6. Stumps of the felled trees shall be retained for a least one month from the date of felling;
7. The felling and carriage of trees shall not be carried out after the sun-set and before the sun-rise.
8. This permission is subject to the provisions of the West Bengal forest (Establishment and Regulation of Saw Mills and Other Wood-based Industries) Rules, 1982 and The West Bengal Forest Produce Transit Rules, 1959.
9. This permit should be produced for inspection on demand to the undersigned or any of the authorities specified in sections 15 and 17 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006.

(Signature of the Competent Authority)

Name : Bakul Kumar Mahto

Designation : Off.

Official Seal :

* Strike off if not applicable.

Annexure To Form III

Permit Number

Date:

Number of Tree	Location (Plot No.)	Species	Diameter at Breast-Height (in cm)	Condition of the tree
54 nos		Coconut		
9 "		K. chura		
8 "		Aksh		
5 "		Peepal		
5 "		Neem		
1 "		Banyan		
3 "		Sirtak		
1 "		Tamarind		
1 "		Kadam		
4 "		Shani		
2 "		Nehajin		
1 "		okhalu		
3 "		Jali		
1 "		Kashkolan		

B.H. = 98 m

ABSTRACT

Species	Total No. of Trees
A.
B.
C.
D.
E.

Grand Total 98 m

(Signature of the Competent Authority)
 Name: Bakash Kumar Mahto
 Designation: FO
 Official Seal: Forest Range Officer

Package EM/01

NOC FOR tree felling from MOGRAJPUR TO CHAKPATNA (698 Nos)

Part I] THE KOLKATA GAZETTE, EXTRAORDINARY, FEBRUARY 9, 2007 13

Form III
Form for Permission for Felling / Disposing of Trees in Non-Forest Areas
[See Rule 5 (2)]

Permit No. 010/BK-28 Dated: 11/01/2014

Whereas the applicant, Sri/Smt./Messrs Balaram, Nandapuri, Baranagore G. P.
Address : Nandapur, Chantapur, Purba Medinipur has
submitted an application with the prescribed fee on DM/01/24 for permission for felling /
disposing of trees for the purpose of installing P.H.F. pipes at the following site:

(a) Location : 2nd Post, Talpa
(b) Details of Plot(s) of Land : 137, 1324, 1325, 1328, 1329, 1376

AND Whereas the undersigned is satisfied with regard to the legality of documents towards
the proof of ownership or lease of the land on which such tree stands;

AND Whereas the purpose for which the trees are required to be felled is in conformity
with rule 4 (1) of the West Bengal Trees (Protection and Conservation in Non-Forest Areas)
Rules, 2006 :

AND Whereas an inquiry in the prescribed manner has been carried out on
and the undersigned has examined the inquiry report with due care;

AND Whereas the land in question belongs to the Tea Garden and the applicant
has produced a specific scheme framed under the provisions of the Plantations Labour Act,
1951 for utilizing the sale proceeds strictly for the purpose of welfare of the labourers;

AND Whereas the applicant is a developer who has already obtained a Certificate of Clearance
No. dated Issued by the undersigned and sanction of the
building / construction plan by the sanctioning authority, viz.
..... vide his letter No. Dated

AND Whereas it is found on inquiry that the proposed felling will not alter nature or character
or mode of use of the land.

OR

The Applicant has produced the requisite permission under section 4C of the West Bengal
Land Reforms Act, 1955.

14

THE KOLKATA GAZETTE, EXTRAORDINARY, FEBRUARY 9, 2007

[Part]

AND whereas the applicant has deposited the prescribed security amount for plantation of trees to the undersigned;

OR

The applicant has been exempted by the undersigned from the obligation of plantation of trees under sub-rule (2) of rule 6 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Rules, 2006;

OR

The applicant has expressed his inability to undertake the plantation to trees by himself and has deposited to the undersigned the amount for the designated agency as prescribed under sub-rule (3) of rule 6 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Rules, 2007.

OR

The applicant is a developer and not required to deposit the security amount.

- * Strike off if not applicable.
- * Strike off the option which is not applicable.

Now, therefore, in persons to the power conferred under sub-section (1) of section 5 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006, the undersigned permits the applicant to undertake the felling of the trees as included in the Annexure.

The undersigned also permits the applicant (not a developer) under the first proviso to section 8 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006, to plant only 120 number of trees instead of the number prescribed under sub-rule (1) of rule 6 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) rules 2007. OR permits the applicant to plant number of trees over different plots(s) of land (as indicated in Condition No. 3 below) because (give reasons), which is in conformity with sub-rule (2) of rule 6 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Rules, 2007;

The permission as given above is subject to the following conditions:-

This permit is non-transferable and valid only up to

1. the applicant (if a developer) shall take up plantation of trees in accordance with the approved plantation plan and the Certificate of Clearance within month(s) from the date of sanction of the building / construction plan by the sanctioning authority;
2. The applicant (if not a developer) shall take up plantation of number of trees over the Plot(s) No. within months from the date of issue of this permit;

Part I]

THE KOLKATA GAZETTE, EXTRAORDINARY, FEBRUARY 9, 2007

15

3. As provided in section 10 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006, the applicant (if not a developer) shall start preparatory work for plantation within sixty days from the date for permit or the date of receipt of directions from the undersigned, as the case may be, and shall undertake plantation for trees in accordance with such directions;
4. The applicant shall inform the undersigned in writing immediately on completion of the plantation of trees;
5. The applicant shall, within a week of carrying out felling of trees, submit a report to the undersigned indicating the total number of logs and firewood produced against each species;
6. Stamps of the felled trees shall be retained for a least one month from the date of felling;
7. The felling and carriage of trees shall not be carried out after the sun-set and before the sun-rise.
8. This permission is subject to the provisions of the West Bengal forest (Establishment and Regulation of Saw Mills and Other Wood-based Industries) Rules, 1982 and The West Bengal Forest Produce Transit Rules, 1959.
9. This permit should be produced for inspection on demand to the undersigned or any of the authorities specified in sections 15 and 17 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006.

(Signature of the Competent Authority)

Name : SAMIK JANA
Designation Forest Range Officer, Birkul Range

Official Seal :

* Strike off if not applicable.



Annexure To Form III

Permit Number

Date :

Number of Tree	Location (Plot No.)	Species	Diameter at Breast-Height (in cm)	Condition of the tree
350	1394, 1395	Akshmoni	25-30 cm	Standing
43	1396, 1399	"	25-40 cm	Standing
305	1376, 1378	Eucalyptus	25-35 cm	Standing

ABSTRACT

- Species
- A. Akshmoni.....
 - B. Eucalyptus.....
 - C.
 - D.
 - E.

Total No. of Trees

293
305
/

Grand Total 698 (6 is hundred and in eight only)

(Signature of the Competent Authority)
Name: SAMIK JANA
Designation: Forest Range Officer Bally
Official Seal: Range Officer Bally Forest [...]

Package EM 01

NOC for Tree Felling - Ganjanarayanpur to Nandakumar Market (201 nos.)

Part I] THE KOLKATA GAZETTE, EXTRAORDINARY, FEBRUARY 9, 2007

Form III

Form for Permission for Felling / Disposing of Trees in Non-Forest Areas
[See Rule 5 (2)]

Permit No. 238/17 Dated: 22/01/24

Whereas the applicant, Sri/Smt./Messrs Superintending Engineer, PU,
Address: P.M. WBDWSIP, PHE, Barpadasaban, Tarapur has
submitted an application with the prescribed fee on 09.01.24 for permission for felling /
disposing of trees for the purpose of Water supply Project at the following site:

(a) Location :

(b) Details of Plot(s) of Land : Mouza: Paramhanspur, J.L. 64,
Paramanandapur, J.L. 60, Puyada, J.L. 35,
Hariharapur, J.L. 43, Naradipi, 41, Gurdya 15,
Tarapur, J.L. 51, D. Srikrishnapur, J.L. 59,

AND Whereas the undersigned is satisfied with regard to the legality of documents towards
the proof of ownership or lease of the land on which such tree stands;
Khejuria - 86 Janubasan - 87

AND Whereas the purpose for which the trees are required to be felled is in conformity
with rule 4 (1) of the West Bengal Trees (Protection and Conservation in Non-Forest Areas)
Rules, 2006 :

AND Whereas an inquiry in the prescribed manner has been carried out on 09.01.2024
and the undersigned has examined the inquiry report with due care;

AND Whereas the land in question belongs to the Tea Garden and the applicant
has produced a specific scheme framed under the provisions of the Plantations Labour Act,
1951 for utilizing the sale proceeds strictly for the purpose of welfare of the labourers;

AND Whereas the applicant is a developer who has already obtained a Certificate of Clearance
No. dated Issued by the undersigned and sanction of the
building / construction plan by the sanctioning authority, viz.
..... vide his letter No. Dated

AND Whereas it is found on inquiry that the proposed felling will not alter nature or character
or mode of use of the land.

OR

The Applicant has produced the requisite permission under section 4C of the West Bengal
Land Reforms Act, 1955.



Part I] THE KOLKATA GAZETTE, EXTRAORDINARY, FEBRUARY 9, 2007 15

3. As provided in section 10 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006, the applicant (if not a developer) shall start preparatory work for plantation within sixty days from the date for permit or the date of receipt of directions from the undersigned, as the case may be, and shall undertake plantation for trees in accordance with such directions;
4. The applicant shall inform the undersigned in writing immediately on completion of the plantation of trees;
5. The applicant shall, within a week of carrying out felling of trees, submit a report to the undersigned indicating the total number of logs and firewood produced against each species;
6. Stumps of the felled trees shall be retained for a least one month from the date of felling;
7. The felling and carriage of trees shall not be carried out after the sun-set and before the sun-rise.
8. This permission is subject to the provisions of the West Bengal forest (Establishment and Regulation of Saw Mills and Other Wood-based Industries) Rules, 1982 and The West Bengal Forest Produce Transit Rules, 1959.
9. This permit should be produced for inspection on demand to the undersigned or any of the authorities specified in sections 15 and 17 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006.

(Signature of the Competent Authority)

Name : Satyajit Roy, WBFS.
Designation Divisional Forest Officer

S. Roy
Divisional Forest Officer,
Partur Shaligram Forest Divn.
Official Seal : X

* Strike off if not applicable.

ABSTRACT


Species	Total No. of Trees
A. <u>Segun, Mahagoni</u>	<u>02</u>
B. <u>Kanthal, Akeshmoni</u>	<u>08</u>
C. <u>Sirish, Eucalyptus, Mango, Jam, Tal</u>	<u>19</u>
D. <u>Kadam</u>	<u>05</u>
E. <u>Coconut, Chalta, Bel etc.</u>	<u>167</u>
Grand Total	<u>201</u>

Place: Ganapati Nagar,
Date: 16.01.24 Nimitouri

(Signature of the Competent Authority)
Name: Satyajit Roy, WBFS,
Designation: Divisional Forest Officer

Satyajit Roy
Divisional Forest Officer,
Paria Medinipur Forest Divn.

Official Seal [Signature]



Package – EM 02

NOC for tree felling for Sonachura (63 Nos)

Part I] THE KOLKATA GAZETTE EXTRAORDINARY, FEBRUARY 9, 2007 13

Form for Permission for Felling and Disposal of Trees in Non-Forest Areas
[See Rule 3 (2)]

Permit No. 12/BK-28/22-23 Dated 15-06-2022

Whereas the applicant, Sri/Smt/Messrs Pradhar Sonachura G.P. has
Address: Sonachura, Nandigram, Purb. Medinipur submitted an application with the prescribed fee on 10.06.2022 for permission for felling
disposing of trees for the purpose of extension of channel at the following site

(a) Location: Gangrachar PH water line

(b) Details of Plot(s) of Land: 253, 250, 251, 249

AND Whereas the undersigned is satisfied with regard to the legality of documents towards the proof of ownership or lease of the land on which such tree stands;

AND Whereas the purpose for which the trees are required to be felled is in conformity with rule 4 (1) of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Rules, 2006 :

AND Whereas an inquiry in the prescribed manner has been carried out on and the undersigned has examined the inquiry report with due care

AND Whereas the land in question belongs to the Tea Garden and the applicant has produced a specific scheme framed under the provisions of the Plantations Labour Act, 1951 for utilizing the sale proceeds strictly for the purpose of welfare of the labourers;

AND Whereas the applicant is a developer who has already obtained a Certificate of Clearance No. dated Issued by the undersigned and sanction of the building / construction plan by the sanctioning authority, viz. vide his letter No. Dated


AND Whereas it is found on inquiry that the proposed felling will not alter nature or character or mode of use of the land.

OR

The Applicant has produced the requisite permission under section 4C of the West Bengal Land Reforms Act, 1955

14 THE KOLKATA GAZETTE, EXTRAORDINARY, FEBRUARY 9, 2007 Part I

AND whereas the applicant has deposited the prescribed security amount for plantation of trees to the undersigned;


OR

The applicant has been exempted by the undersigned from the obligation of plantation of trees under sub-rule (2) of rule 6 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Rules, 2006.

OR

The applicant has expressed his inability to undertake the plantation of trees by himself and has deposited to the undersigned the amount for the designated agency as prescribed under sub-rule (3) of rule 6 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Rules, 2007

OR

The applicant is a developer and not required to deposit the security amount

- * Strike off if not applicable.
- * Strike off the option which is not applicable.

Now, therefore, in persons to the power conferred under sub-section (1) of section 5 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006, the undersigned permits the applicant to undertake the felling of the trees as included in the Annexure.


The undersigned also permits the applicant (not a developer) under the first proviso to section 8 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006, to plant only _____ number of trees instead of the number prescribed under sub-rule (1) of rule 6 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) rules 2007. OR permits the applicant to plant _____ number of trees over different plot(s) of land (as indicated in Condition No. 3 below) because (give reasons) _____ which is in conformity with sub-rule (2) of rule 6 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Rules, 2007;

The permission as given above is subject to the following conditions:-

This permit is non-transferable and valid only up to 15.06.2026 ~~up to~~ before sunset

1. the applicant (if a developer) shall take up plantation of trees in accordance with the approved plantation plan and the Certificate of Clearance within _____ months from the date of sanction of the building / construction plan by the sanctioning authority.
2. The applicant (if not a developer) shall take up plantation of _____ number of trees _____ over the Plot(s) No. _____ within _____ months from the date of issue of this permit;

Part I] THE KOLKATA GOVERNMENT EXTRAORDINARY, FEBRUARY 9, 2007




3. As provided in section 10 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006, the applicant (if not a developer) shall start preparatory work for plantation within sixty days from the date for permit or the date of receipt of directions from the undersigned, as the case may be, and shall undertake plantation for trees in accordance with such directions;
4. The applicant shall inform the undersigned in writing immediately on completion of the plantation of trees;
5. The applicant shall, within a week of carrying out felling of trees, submit a report to the undersigned indicating the total number of logs and firewood produced against each species;
6. Stumps of the felled trees shall be retained for a least one month from the date of felling;
7. The felling and carriage of trees shall not be carried out after the sun-set and before the sun-rise.
8. This permission is subject to the provisions of the West Bengal forest (Establishment and Regulation of Saw Mills and Other Wood-based Industries) Rules, 1982 and the West Bengal Forest Produce Transit Rules, 1959.
9. This permit should be produced for inspection on demand to the undersigned or any of the authorities specified in sections 15 and 17 of the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006.

(Signature of the Competent Authority)

Name : **SANJUK JANA**

Designation: **Forest Ranger, Bajkul Range**

Official Seal : 

* Strike off if not applicable.

Tree Plantation

EM/01 (31.08.2024) – Ratanpur



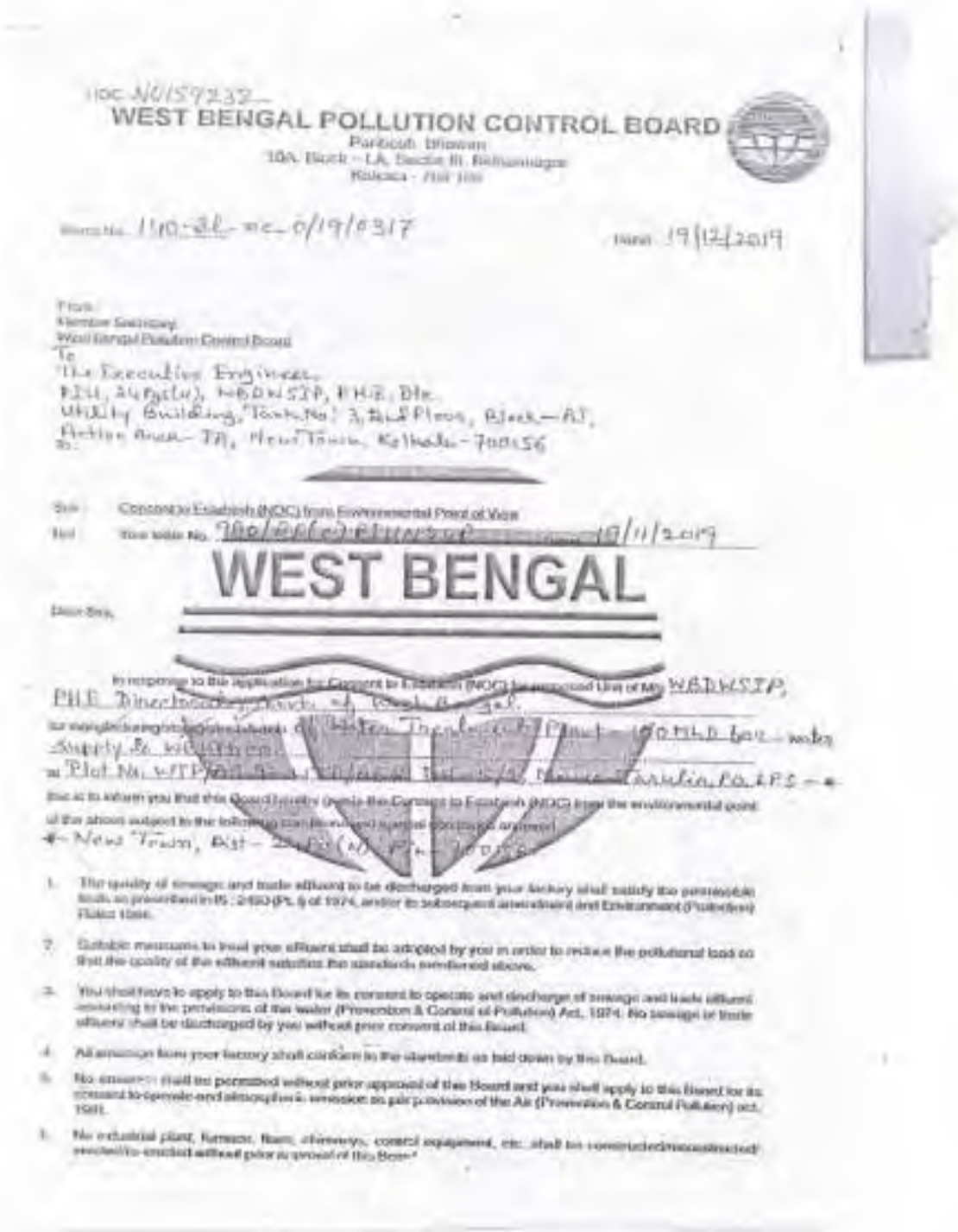
Tree Plantation by EM/02



APPENDIX -5: CTE FOR WTP AND BATCHING PLANT

NORTH 24 PGS

Package N 24 pgs/01- Water Treatment Plant – CTE



2024/2025.

- (1) Project Procurement and Contract Management (2024-2025)
- (2) Environmental Monitoring and Reporting (2024-2025)
- (3) Environmental Impact Assessment (2024-2025)
- (4) Environmental Management Plan (2024-2025)
- (5) Environmental Monitoring and Reporting (2024-2025)
- (6) Environmental Impact Assessment (2024-2025)
- (7) Environmental Management Plan (2024-2025)
- (8) Environmental Monitoring and Reporting (2024-2025)
- (9) Environmental Impact Assessment (2024-2025)
- (10) Environmental Management Plan (2024-2025)
- (11) Environmental Monitoring and Reporting (2024-2025)
- (12) Environmental Impact Assessment (2024-2025)
- (13) Environmental Management Plan (2024-2025)
- (14) Environmental Monitoring and Reporting (2024-2025)
- (15) Environmental Impact Assessment (2024-2025)
- (16) Environmental Management Plan (2024-2025)
- (17) Environmental Monitoring and Reporting (2024-2025)
- (18) Environmental Impact Assessment (2024-2025)
- (19) Environmental Management Plan (2024-2025)
- (20) Environmental Monitoring and Reporting (2024-2025)

Environmental Management Plan

Approval of the Environmental Management Plan (EMP) for the project is hereby granted. The EMP is approved for the project.

Signature: [Signature]

Project Director

Approval of the Environmental Management Plan (EMP) for the project is hereby granted. The EMP is approved for the project.

Signature: [Signature]

Project Director

1. Chief Executive Officer, Government of West Bengal, N. B. Building, Kolkata-700001	2. Chief Executive Officer, Government of West Bengal, N. B. Building, Kolkata-700001	3. Chief Executive Officer, Government of West Bengal, N. B. Building, Kolkata-700001	4. Chief Executive Officer, Government of West Bengal, N. B. Building, Kolkata-700001
5. Chief Executive Officer, Government of West Bengal, N. B. Building, Kolkata-700001	6. Chief Executive Officer, Government of West Bengal, N. B. Building, Kolkata-700001	7. Chief Executive Officer, Government of West Bengal, N. B. Building, Kolkata-700001	8. Chief Executive Officer, Government of West Bengal, N. B. Building, Kolkata-700001
9. Chief Executive Officer, Government of West Bengal, N. B. Building, Kolkata-700001	10. Chief Executive Officer, Government of West Bengal, N. B. Building, Kolkata-700001	11. Chief Executive Officer, Government of West Bengal, N. B. Building, Kolkata-700001	12. Chief Executive Officer, Government of West Bengal, N. B. Building, Kolkata-700001
13. Chief Executive Officer, Government of West Bengal, N. B. Building, Kolkata-700001	14. Chief Executive Officer, Government of West Bengal, N. B. Building, Kolkata-700001	15. Chief Executive Officer, Government of West Bengal, N. B. Building, Kolkata-700001	16. Chief Executive Officer, Government of West Bengal, N. B. Building, Kolkata-700001
17. Chief Executive Officer, Government of West Bengal, N. B. Building, Kolkata-700001	18. Chief Executive Officer, Government of West Bengal, N. B. Building, Kolkata-700001	19. Chief Executive Officer, Government of West Bengal, N. B. Building, Kolkata-700001	20. Chief Executive Officer, Government of West Bengal, N. B. Building, Kolkata-700001

Annexure to NOC SL NO159232

Special Conditions issued to Water Treatment Plant -100 MLD by WBDWSIP, PHE Directorate, Govt. of West Bengal located at Plot No. WTP/A1 TO WTP/A6 & Dh-5/1, Mouza-Tarulia, P.O&P.S-New Town, Dist-24 Pgs(N), PIN-700156.

A. Emission:- Nil

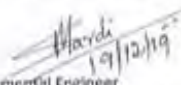
B. Raw Water Treatment :-

Raw river water (100 MLD) to be treated in Water Treatment Plant as per process description and finally treated water to be supplied to WBHDCO through the supply pipeline.

C. Solid Waste :- WTP sludge to be used for landfilling and PVC/Plastic waste /gunny bags to be sold.

D. General :-

1. The unit shall take proper measures to control air, water and noise pollution.
2. This NOC is valid only subject to obtaining permission/clearances from the other Competent Authorities as applicable.
3. Ambient noise level not to exceed the permissible limit.
4. No addition/alteration/modification can be done without prior permission from the State Board.
5. The unit shall obtain Consent to Operate of the State Board before starting operation.
6. Good housekeeping to be maintained.
7. Adequate green belt around the unit to be developed.
8. This NOC is valid upto 30.11.2026 for setting up the Water Treatment Plant - 100 MLD capacity.


Environmental Engineer
West Bengal Pollution Control Board
Environmental Engineer
W. B. Pollution Control Board
Operation & Execution Cell

1981. BY THE SECRETARY TO GOVT. OF WEST BENGAL
emission as per provision of the Air (Prevention & Control Pollution) act,

E. No industrial plant, furnace, flues, chimneys, control equipment, etc. shall be constructed/reconstructed/erected/re-erected without prior approval of this Board.


COMPLIANCE OF CTE

Sl. No.	General Conditions of NOC for WTP	Compliance Status	Remarks
1	The quality of sewage and trade effluent to be discharged from your factory shall satisfy the permissible limits as prescribed in IS: 2490 (Pt 1) of 1974, and /or its subsequent amendment and Environment (Protection) Rules 1986.	Complied	It is a Zero Discharge facility
2	Suitable measures to treat your effluent shall be adopted by you in order to reduce the pollution at load so that the quality of the effluent satisfies the standards mentioned above.	Complied	Designed to meet regulatory requirements
3	You shall have to apply to this Board for its consent to operate and discharge of sewage and trade effluent according to the provisions of the water (Prevention & Control of Pollution) Act. 1974. No sewage or trade effluent shall be discharged by you without prior consent of this Board.	To be complied during operation phase	Consent to Operate will be obtained prior to operation
4	All emissions from your factory shall conform to the standards as laid down by this Board.	Not applicable presently	Regulatory compliance to air emissions will be ensured, as applicable
5	No emission shall be permitted without prior approval of this Board and you shall apply to this Board for its consent to operate and atmospheric emission as per provision of the Air (Prevention & Control Pollution) act, 1981.	To be complied during operation phase	Consent to Operate will be obtained prior to operation
6	No industrial plant, furnace. flues, chimneys., control equipment, etc. shall be constructed/ reconstructed/ erected/ re-erected without prior approval of this Board.	Not applicable	
7	You shall Comply with:		
	(i) Water (Prevention and Control of Pollution) Cess Act, 1977, if applicable.	Not Applicable	Repealed
	(ii) Water (Prevention and Control of Pollution) Cess Act, 1978, if applicable.	Not Applicable	Repealed
	(iii) Environment (Protection) Act, 1986	Complied	
	(iv) Environment (Protection) Rules, 1986	Complied	
	(v) Hazardous Wastes (Management and Handling) Rules, 1989 and Amended Rules, 2000	Complied	Authorized vendor is used for disposal
	(vi) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amended Rules, 2000	Complied	Authorization for additional chlorine toners will be obtained prior to operation
	(vii) Manufacture, Use, Import and Storage and Hazardous Micro-Organisms, Genetically Engineered Organisms or Cell Rules. 1989	Not Applicable	
	(viii) The Public Liability Insurance Act, 1991 and Amended Act, 1992	Complied	Covered under all risk insurance policy
	(ix) The Public Liability Insurance Rules, 1991 and Amended Rules, 1993	Complied	Covered under all risk insurance policy

Sl. No.	General Conditions of NOC for WTP	Compliance Status	Remarks
	(x) Biomedical Wastes (Management & Handling) Rules, 1998 and Amended Rules 2000, if applicable.	Not Applicable	Minimal first-aid related bio-medical wastes are generated.
	(xi) Recycled Plastics Manufacture and Usage Rules 1999, if applicable and	Complied	
	(xii) Ozone Depleting Substances (Regulation & Control) Rules 2000, if applicable	Complied	Designed to meet regulatory requirements
SPECIAL CONDITION:			
A.	Emission - Nil	-	
B.	Raw Water Treatment	-	
	Raw river water: 100 MLD to be treated in Water Treatment Plant as per process description and finally treated water to be supplied to WBHIDCO through the supply pipeline.		
C.	Solid Waste: WTP sludge to be used for landfilling and PVC/Plastic waste /gunny bags to be sold.	Complied	
D	General:		
	1. The unit shall take proper measures to control air, water and noise pollution.	To be complied during operation phase	
	2. This NOC is valid only subject to obtaining permission/clearances from the other Competent Authorities as applicable.	-	Noted
	3. Ambient noise level not to exceed the permissible limit.	Complied	Refer: Ambient Noise Monitoring data
	4. No addition/alteration/modification can be done without prior permission from the State Board.	Complied	
	5. The unit shall obtain Consent to Operate of the State Board before starting operation.	-	Noted
	6. Good housekeeping to be maintained.	Complied	
	7. Adequate green belt around the unit to be developed.	-	Noted
	8. This NOC is valid upto 30.11.2026 for setting up the Water Treatment Plant - 100 MLD capacity.	-	Noted

Batching Plant -CTE

WEST BENGAL POLLUTION CONTROL BOARD
PARIBESH BHAWAN
10A, Block-LA, Sector-III, Bidhannagar, Kolkata - 700 056



Certificate for "Consent to Establish" Registration No - 163173
No. 40/CDE(G)/2020/BIC/NDM-2-1-1 **C.A.F. GREEN CATEGORY** Date _____

The West Bengal Pollution Control Board hereby grants its "Consent to Establish" under section 25 (i) of Water (Prevention & Control of Pollution) Amendment Act - 1988 and section 21 of Air (Prevention & Control of Pollution) Amendment Act - 1987 and the Rules and Orders made thereunder to

M/s FFIL-RIL JV
Chief Operating Officer - Sri Sujog Das

for its unit located at
Action Area-I, New Town near tank No. 7, New Town, Kol-700156.

to establish the industrial plant and to manufacture/store/install Ready-Mix Concrete at
Bag No. 341 Shali, L. No. 2, Moza-Tarulia and to discharge liquid effluents through outlets/outfalls and to
emit the gaseous emission in accordance with the conditions as mentioned below provided on any day at any
instant the quantity and quality of liquid discharge and gaseous emission shall not exceed the permissible limits
specified in the Environment (Protection) Act - 1986. **Consent to Establish (NOE)**
Is Valid for 7 (Seven) Years

Breach of the conditions and/or failure to comply with the directions/conditions as stated below shall render
the applicant liable for prosecution under the provisions of Water (Prevention & Control of Pollution) Act - 1974 and
Air (Prevention & Control of Pollution) Act - 1981

The State Board reserves its right to revoke, withdraw or make any reasonable variation of the conditions
or change or alter this consent by giving one month's notice to the applicant.

Conditions

01. The Applicant shall be responsible for the quantity and quality of liquid effluent and gaseous emissions.
02. The Applicant shall ensure maintenance of quality of liquid effluent discharge and air emissions within statutory limits as mentioned in Environment (Protection) Act - 1986 and Rules made thereunder.
03. The Applicant shall adopt suitable measures to treat the liquid effluent to reduce the pollutional load so that quality of the water meets the prescribed standard.
04. The Applicant shall have to apply to this Board for its 'Consent to Operate' as per provisions of Water (Prevention & Control of Pollution) Act - 1974 and Air (Prevention & Control of Pollution) Act - 1981 for discharge of liquid effluent and gaseous emissions. No liquid effluent and gaseous emission shall be discharged by the Applicant without prior consent of the Board.
05. To bring into any change in industrial plant, furnace, fuels, chimneys, place and/or point discharge of liquid and gaseous effluents, pollution control equipments the Applicant shall obtain prior permission of the Board in this regard.
06. The Applicant shall maintain good house keeping, good working condition and take adequate measures for control of pollution from all sources.
07. The Applicant shall bring about at least 33% of the available open land under green coverage/plantation.
08. The Applicant shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
09. The Applicant shall provide drainage system for conveying liquid wastes.
10. The Applicant shall allow the officers of the Board to enter into the applicant's premises at any reasonable time for inspecting the unit.
11. The solid waste generated within the factory premises, sweepings etc. be disposed off scientifically so as not to cause any nuisance/pollution.
12. The Applicant should adopt adequate precautionary measures to prevent any inconvenience or annoyance to the denizens of the locality due to its activity or be a cause for environmental concern.
13. In case of using Diesel Generator, adequate precautionary measures to be taken as per norms fixed up by CPCB.

* Bag No. 339 - Bil
and Bag No. 340 - Doba
may not be considered.

For and on behalf of the West Bengal Pollution Control Board


Chalag 17/2/20
General Manager
District Industries Centre
&
Ex-Officio Environment Officer
West Bengal Pollution Control Board

SEAL

SI No.	Conditions	Compliance	Remarks
1.	The applicant shall be responsible for the quantity and quality of liquid effluent and gaseous emissions		Since installation, this batching plant has not yet been operated.
2.	The applicant shall ensure maintaining quantum of liquid effluent discharge and air emissions within statutory limits as mentioned in Environmental (Protection) Rules, 1986 and rules made thereunder		
3.	The applicant shall adopt suitable measures to adapt the liquid effluent to reduce the pollution load so that quality of the sample meets the prescribed standard		
4.	The applicant have to apply to this board for its 'consent to operate' as per provisions of Water (Prevention and control of pollution) Act 1974 and Air (Prevention and Control of Pollution) Act, 1981 for discharge of liquid and gaseous emissions. No liquid effluent and gaseous emission shall be discharged by the applicant without prior consent of the board.		
5.	To bring into any change in industrial plant, furnace, fuels, chimneys, place and /or point discharge of liquid and gaseous effluents, pollution control equipment the Applicant shall obtain permission of the board in this regard		
6.	The applicant shall maintain good housekeeping, good working condition and take adequate measures for control of pollution from all sources.		
7.	The applicant shall bring about at IPurba 33% of the available open land under green coverage/plantation		
8.	The applicant shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.		
9.	The applicant shall provide drainage system for conveying liquid wastes.		
10.	The applicant shall allow officers of the board to enter into the applicant's premises at any reasonable time for inspecting the limit.		
11.	The solid waste generated within the factory premises, sweepings, etc. be disposed off scientifically so as not to cause any nuisance/pollution		
12.	The applicant should adopt adequate precautionary measures to prevent any inconvenience or annoyance to the denizens of the locality due to its activity or be a cause for environmental concern.		
13.	In case of using Diesel Generator, adequate precautionary measures to be taken as per norms fixed up by CPCB		

Consent to Operate – RMC batching plant

West Bengal Pollution Control Board
Paribesh Bhawan, 10A, Block - LA, Sector III, Bidhannagar
Kolkata - 700 106



Certificate for 'Consent to Operate'
Registration No. COL-7455

No. 12/CoO(B)/2020/DIC/N 29 Pgs Date: 03-02-2020

GREEN CATEGORY

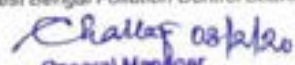
The West Bengal Pollution Control Board hereby grants its 'Consent to Operate' under section 25 & 26 of the water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and the Rules and Orders made thereunder to M/s F.T.C. Concrete Pvt. Ltd., Director - Sri Sandeep Chindalia for its unit located at Kalikapur, Po - Kashi-nathpur, P.S. Rajarhat, Dist. - N.29 Pgs. - Kolkata - 700135 to run the industrial plant and to manufacture / store / install Ready mix Concrete for a period from 03-02-2020 to 31-01-2027 to operate the industrial plant and to discharge liquid effluents through outlets / outfalls and to emit the gaseous emission in accordance with the conditions as mentioned below provided on any day at any instant the quantity and quality of liquid discharge and gaseous emission shall not exceed the permissible limit as specified in the Environment (Protection) Act, 1986.

Breach of the conditions and / or failure to comply with the directions / conditions as stated below shall render the applicant liable for prosecution under the provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981.

The State Board reserves its right to revoke, withdraw or make any reasonable variation of the conditions of or change or alter this consent by giving one month's notice to the applicant.

Conditions of Consent - 724, Kh No. - 176, 927, 928, 929, JI No - 90, Mouza - Kalikapur

01. The Applicant shall be responsible for the quantity and quality of liquid effluent and gaseous emissions.
02. The Applicant shall maintain the quality of liquid effluent and gaseous emissions and noise levels within statutory limits as mentioned in Environment (Protection) Act, 1986.
03. The Applicant shall submit applications, in case of any, discharge / Emission is involved in the process of manufacture.
04. To bring into any change in industrial plant, furnace, flues, chimneys, place and/or point of discharge of liquid and gaseous effluents, pollution control equipments the Applicant shall obtain prior permission of the Board in the regard.
05. The Applicant shall maintain good house keeping, good working condition and take adequate measures for control of pollution from all sources.
06. The Applicant shall bring about at least 33% of the available open land under green coverage/plantation.
07. The Applicant shall control the fugitive emissions from the activity are so as to maintain clean and safe environment in and around the factory premises.
08. The Applicant shall provide drainage system of conveying liquid wastes.
09. The Applicant shall allow the officers of the Board to enter into the applicant's premises at any reasonable time for inspecting the unit.
10. The Applicant shall make an application to the State Board in the prescribed form for renewal of the consent at least 30 days before the date of expiry of this consent.
11. The solid waste generated within the factory premises, sweepings etc. be disposed off scientifically so as not to cause any nuisance / pollution.
12. The Applicant should adopt adequate precautionary measures to prevent any inconvenience or annoyance to the denizens of the locality due to its activity or be a cause for environmental concern.
13. In case of using Diesel Generator, adequate precautionary measures to be taken as per norms fixed up by CPCB.
14. **Date of Commencement - 13-12-2013**

For and on behalf of the West Bengal Pollution Control Board

Chhatrajyoti Chatterjee
General Manager
District Industries Centre
&
District Environment Officer

Seal

BANKURA

Water Treatment plant CTE

Bankura – Package Bk 01 CTE for WTP- NEW LOCATION

Amendment of CTE- PKG BK/01

**WEST BENGAL POLLUTION CONTROL BOARD**
(Department of Environment, Govt of West Bengal)
Paribesh Bhawan
Bldg. No. 10 A, Block-LA, Sector-III, Bidhannagar
Kolkata – 700 098
Tel : 0091 (033) 2335-9088 / 8861 / 8211 / 8073 / 6731
2335-0261 / 8212 / 8213 / 7428 / 5975
Fax : 0091 (033) 2335 6730 / 2813
Website : www.wbpcb.gov.in e-mail : wbpcbnet@wbpcb.gov.in

Memo No: 710 - -dr_nc_o/20/0054 Date: 28/10/2021

To
The Executive Engineer (Civil)
PIU, Bankura WBDWSIP, Public Health Engineering Dte.
Govt. of West Bengal
Aailakundi, Katjuridanga,
Dist-Bankura, Pin-722102

Sub.: Amendment of Consent to Establish(NOC) for installation of raw Water Treatment Plant (Capacity-44 MLD) abstracted from Mukutmanipur Dam for Indpur & Taldangra Block Water Supply Scheme (Phase-II) under WBDWSIP

Ref. (i) *Consent to Establish* certificate NO164607 issued vide memo no.221-dr_nc_o/20/0054 dated 16.03.2020
(ii) Your letter Ref no. 145/EE/PIU-Bankura dated 17.09.2021.

Sir,

In reference to the above, this is to inform you that the following amendments are made in the above mentioned Consent to Establish certificate issued by this office:-

The State Board permitted for alternative land located at Kungarbahal Mouza, JL No.159, Plot No.01 and Jhantipahari Mouza, JL No.162, Plot No.02 both under P.S-Khatra, Dist-Bankura for treatment of raw water abstracted from Mukutmanipur Dam for execution of Indpur-Taldangra piped water supply scheme.

This letter may be treated as an annexure to the *Consent to Establish* certificate no. NO164607 dated 16.03.2020. All other terms & conditions of the above mentioned Consent to Establish will remain unchanged.

Yours faithfully,


28/10/21

Environmental Engineer
Operation & Execution Cell


Environmental Engineer
W. B. Pollution Control Board
Operation & Execution Cell

দূষণ মুক্ত নির্মল গঙ্গা চাই

Original CTE

NOC NO 164607

WEST BENGAL POLLUTION CONTROL BOARD
Paribesh Bhawan
10A, Block - LA, Sector III, Bidhannagar
Kolkata - 700 105



Memo No. 221-dn-nc-0/20/0054 Dated 16/03/2020

From: Member Secretary,
West Bengal Pollution Control Board

To: The Executive Engineer (Civil)
PIU, Bankura WBDWSIP, Public Health Engineering Dto.
Govt. of West Bengal
Plot No. 02, Lohadihi Road, P.O. & P.S. - Khatra
Dist- Bankura, Pin - 722140.

Sub: Consent to Establish (NOC) from Environmental Point of View
Ref: Your letter No. 452/EB/PIU-Bankura Dated 08/02/2020

WEST BENGAL

Dear Sirs,

In response to the application for Consent to Establish (NOC) for proposed Unit of M/s Public Health Engineering Dept. for Project Implementation Unit (PIU), Bankura WBDWSIP Govt of WB for manufacturing and installation of Rain water Treatment Plant (Capacity 44 MLD) for Tadangan Bhat water supply scheme (Chore Duncha WBDWSIP) at Plot No. 02, Lohadihi Road, P.O. & P.S. - Khatra, Dist- Bankura, Pin-722140. Dist. No. 2, P.L. No. 156, Mouza- Lohadihi this is to inform you that this Board hereby grants the Consent to Establish (NOC) from the environmental point of the above subject to the following conditions and special conditions annexed.

1. The quality of sewage and trade effluent to be discharged from your factory shall satisfy the permissible limits as prescribed in IS : 2490 (Pt. I) of 1974, and/or its subsequent amendment and Environment (Protection) Rules 1986.
2. Suitable measures to treat your effluent shall be adopted by you in order to reduce the pollutional load so that the quality of the effluent satisfies the standards mentioned above.
3. You shall have to apply to this Board for its consent to operate and discharge of sewage and trade effluent according to the provisions of the water (Prevention & Control of Pollution) Act, 1974. No sewage or trade effluent shall be discharged by you without prior consent of this Board.
4. All emission from your factory shall conform to the standards as laid down by this Board.
5. No emission shall be permitted without prior approval of this Board and you shall apply to this Board for its consent to operate and atmospheric emission as per provision of the Air (Prevention & Control Pollution) act, 1981.
6. No industrial plant, furnace, flues, chimneys, control equipment, etc. shall be constructed/reconstructed/erected/re-erected without prior approval of this Board.


NOC NO164607

7. You shall comply with
- (i) Water (Prevention and Control of Pollution) Cess Act, 1977, if applicable.
 - (ii) Water (Prevention and Control of Pollution) Cess Act, 1978, if applicable.
 - (iii) Environment (Protection) Act, 1986
 - (iv) Environment (Protection) Rules, 1986
 - (v) Hazardous Wastes (Management and Handling) Rules, 1989 and Amended Rules, 2000
 - (vi) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amended Rules, 2000
 - (vii) Manufacture, Use, Import and Storage and Hazardous Micro-Organisms, Genetically Engineered Organisms or Cell Rules, 1989
 - (viii) The Public Liability Insurance Act, 1991 and Amended Act, 1992
 - (ix) The Public Liability Insurance Rules, 1991 and Amended Rules 1993
 - (x) Biomedical Wastes (Management & Handling) Rules, 1988 and Amended Rules 2000 if applicable.
 - (xi) Recycled Plastics Manufacture and Usage Rules 1990, if applicable and
 - (xii) Ozone Depleting Substances (Regulation & Control) Rules, 2000, if applicable
8. You will have to abide by any other stipulations as may be prescribed by any authority/local bodies/Government Departments etc.

SPECIAL CONDITION: Please see Annexure.

Gross Capital investment of the project is Rs. 473700000/-

Any violation of the aforesaid conditions shall entail cancellation of this Consent to Establish (NOC)

Yours faithfully,

 Member Secretary
 West Bengal Pollution Control Board
 Dated: 16/03/20

Memo No. _____
 Copy forwarded for information to :

1. Chief Inspector of Factories, Government of West Bengal, N. S. Building, Kolkata-700 001
2. Director of Industries/Director of Cottage & Small Scale Industries, Government of West Bengal, N. S. Building, Kolkata-700 001
3. Guard file, West Bengal Pollution Control Board.
4. Environmental Engineer, I/I/Alipur R.O./Howrah R.O./Hooghly R.O./B.R.O./D.F.O./Haldia R.O./S.R.O./Asansol/ Sub-R.O./WBPC Board

Himalaya Bhawan
 Delhi Road, Dankuni
 Dist. Hooghly

Vill. Ranpur
 Kalyani Expressway
 P.O. Narayanpur
 Dist. 24 Pgs. (N)

Sahid Khudiram Sarani
 City Centre, Durgapur-16
 Dist. Burdwan
 2nd Floor
 Kolkata-700 017

Paribesh Bhawan
 10A, LA-Block, Sector-III
 Salt Lake City,
 Kolkata - 700 098

Block-05 at 40
 Flats Complex
 Adjacent to Priyambada
 Housing Estate
 P.O. : Khanjanchak,
 P.S. Durgachak
 Haldia-721602
 Dist. : Purba Medinipur

Paribahan Nagar
 Matigara, Siliguri
 Dist.-Darjeeling

Satyra Chowdhury
 Indoor Stadium
 Balurchar Bandh Road
 Mekta-732101

Asansol Sub-Regional Office
 ADDA Commercial Market (2nd Floor)
 Opposite Asansol Fire Station
 G.T. Road, Asansol-713 301

Member Secretary,
 West Bengal Pollution Control Board

Annexure to NOC Sl. NO 164607

Special Conditions issued to Public Health Engineering Dte, Project Implementation Unit (PIU), Bankura WBDWSIP for installation of Raw river Water Treatment Plant (Capacity: 44 MLD) for Indpur & Taldangra Block Water Supply Scheme(Phase-II) under WBDWSIP at Plot No. 2, Dag no.2, J.L. No. 158, Mouza: Lohadiha, P.O. & P.S.: Khatra, District: Bankura.Pin- 722140.

A. Emission: Nil

B. Raw Water Treatment :- Raw river water: 44 MLD to be treated in Water Treatment Plant as per process description submitted by the unit and for bulk water supply for Indpur Taldangra Block under WBDWSIP.

C. Solid Waste :-

- i. WTP sludge to be used as one of the raw material for making bricks as proposed by the unit and PVC/Plastic waste /gunny bags to be sold.
- ii. Plastic / PVC wastes to be sold to the State Board's authorised recyclers

D. General:

1. At any instant, total quantity of Chlorine stored onsite shall be less than the threshold quantity of Chlorine as prescribed in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules.
2. The unit shall take all preventive and precautionary measure for controlling adverse impact of chlorine in case of any accidental release.
3. The unit shall take proper measures to control air, water and noise pollution.
4. This NOC is valid only subject to obtaining permission/clearances from the other Competent Authorities as applicable.
5. Ambient noise level not to exceed the permissible limit.
6. No addition/alteration/modification can be done without prior permission from the State Board.
7. The unit shall obtain Consent to Operate of the State Board before starting operation.
8. Good housekeeping to be maintained.
9. Adequate green belt around the unit to be developed.
10. This NOC is valid upto 31.03.2027 for setting up the Water Treatment Plant – 44 MLD capacity.

Atarshi
16/03/20

Environmental Engineer
Operation & Execution Cell
West Bengal Pollution Control Board
Environmental Engineer
W. B. Pollution Control Board
Operation & Execution Cell

COMPLIANCE OF CTE -PKG-BK/01

Sl. No.	General Conditions of NOC for WTP	Compliance Status	Remarks
1	The quality of sewage and trade effluent to be discharged from your factory shall satisfy the permissible limits as prescribed in IS: 2490 (Pt 1) of 1974, and /or its subsequent amendment and Environment (Protection) Rules 1986.	Complied	It is a Zero Discharge facility
2	Suitable measures to treat your effluent shall be adopted by you in order to reduce the pollution at load so that the quality of the effluent satisfies the standards mentioned above.	Complied	Designed to meet regulatory requirements
3	You shall have to apply to this Board for its consent to operate and discharge of sewage and trade effluent according to the provisions of the water (Prevention & Control of Pollution) Act. 1974. No sewage or trade effluent shall be discharged by you without prior consent of this Board.	To be complied during operation phase	Consent to Operate will be obtained prior to operation
4	All emissions from your factory shall conform to the standards as laid down by this Board.	Not applicable presently	Regulatory compliance to air emissions will be ensured, as applicable
5	No emission shall be permitted without prior approval of this Board and you shall apply to this Board for its consent to operate and atmospheric emission as per provision of the Air (Prevention & Control Pollution) act, 1981.	To be complied during operation phase	Consent to Operate will be obtained prior to operation
6	No industrial plant, furnace. flues, chimneys., control equipment, etc. shall be constructed/ reconstructed/ erected/ re-erected without prior approval of this Board.	Not applicable	
7	You shall Comply with:		
	(i) Water (Prevention and Control of Pollution) Cess Act, 1977, if applicable.	Not Applicable	Repealed
	(ii) Water (Prevention and Control of Pollution) Cess Act, 1978, if applicable.	Not Applicable	Repealed
	(iii) Environment (Protection) Act, 1986	Complied	
	(iv) Environment (Protection) Rules, 1986	Complied	
	(v) Hazardous Wastes (Management and Handling) Rules, 1989 and Amended Rules, 2000	Complied	
	(vi) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amended Rules, 2000	Complied	Authorization for additional chlorine toners will be obtained prior to operation
	(vii) Manufacture, Use, Import and Storage and Hazardous Micro-Organisms, Genetically Engineered Organisms or Cell Rules. 1989	Not Applicable	
	(viii) The Public Liability Insurance Act, 1991 and Amended Act, 1992	Complied	Covered under all risk insurance policy
	(ix) The Public Liability Insurance Rules, 1991 and Amended Rules, 1993	Complied	Covered under all risk insurance policy

Sl. No.	General Conditions of NOC for WTP	Compliance Status	Remarks
	(x) Biomedical Wastes (Management & Handling) Rules, 1998 and Amended Rules 2000, if applicable.	Not Applicable	Minimal first-aid related bio-medical wastes are generated.
	(xi) Recycled Plastics Manufacture and Usage Rules 1999, if applicable and	Complied	
	(xii) Ozone Depleting Substances (Regulation & Control) Rules 2000, if applicable	Complied	Designed to meet regulatory requirements
SPECIAL CONDITION:			
A.	Emission - Nil	-	
B.	Raw Water Treatment	-	
	Raw river water: 44 MLD to be treated in Water Treatment Plant as per process description and for bulk water supply for Indpur and Taldangra under WBDWSIP		
C.	Solid Waste: WTP sludge to be used for landfilling and PVC/Plastic waste /gunny bags to be sold.	Complied	
D	General:		
	1. At any instant, total quantity of Chlorine stored onsite shall be less than the threshold quantity of Chlorine as prescribed in the Manufacture, Storage and Import of Hazardous Chemicals (MSHHC) Rules		Noted
	2. The unit shall take all preventive and precautionary measures for controlling adverse impact of chlorine in case of any accidental release	Considered under design	
	3. The unit shall take proper measures to control air, water and noise pollution.	To be complied during operation phase	
	4. This NOC is valid only subject to obtaining permission/clearances from the other Competent Authorities as applicable.	-	Noted
	5. Ambient noise level not to exceed the permissible limit.	Complied	Refer: Ambient Noise Monitoring data
	6. No addition/alteration/modification can be done without prior permission from the State Board.	Complied	
	7. The unit shall obtain Consent to Operate of the State Board before starting operation.	-	Noted
	8. Good housekeeping to be maintained.	Complied	
	9. Adequate green belt around the unit to be developed.	-	Noted
	10. This NOC is valid upto 31.03.2027 for setting up the Water Treatment Plant - 44 MLD capacity.	-	Noted

Bankura – Package Bk 03- CTE for WTP

From: Member Secretary,
West Bengal Pollution Control Board
To: The Executive Engineer (Civil)
PIU, Bankura WBDWSIP, Public Health Engineering Dte.
Govt. of West Bengal.
Plot No. 857, Durlavpur - Boojona Road, Basudevpur
To: P.O. & P.S. - Gangajalghati, Bankura, Pin - 722133

Sub: Consent to Establish (NOC) from Environmental Point of View
Ref: Your letter No. 43/EE/PIU-Bankura dated 09/02/2020

WEST BENGAL

Dear Sirs,

In response to the application for Consent to Establish (NOC) for proposed Unit of M/s Public Health Engineering Dte. Project Implementation Unit (PIU) Bankura WBDWSIP, Govt. of W.B. for manufacturing/Installation of Sewer Water Treatment Plant (Capacity: 36 MLD) at Plot No. 857, Durlavpur, Basudevpur, under WBDWSIP, Gangajalghati, Bankura, Pin - 722133, Registration No. 973, *

This is to inform you that this Board hereby grants the Consent to Establish (NOC) from the environmental point of view of the above subject to the following conditions:

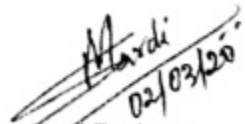
1. The quality of sewage and trade effluent to be discharged from your factory shall satisfy the permissible limits as prescribed in IS : 2490 (Pt. I) of 1974, and/or its subsequent amendment and Environment (Protection) Rules 1986.
2. Suitable measures to treat your effluent shall be adopted by you in order to reduce the pollutional load so that the quality of the effluent satisfies the standards mentioned above.
3. You shall have to apply to this Board for its consent to operate and discharge of sewage and trade effluent according to the provisions of the water (Prevention & Control of Pollution) Act, 1974. No sewage or trade effluent shall be discharged by you without prior consent of this Board.
4. All emission from your factory shall conform to the standards as laid down by this Board.
5. No emission shall be permitted without prior approval of this Board and you shall apply to this Board for its consent to operate and atmospheric emission as per provision of the Air (Prevention & Control Pollution) act, 1981.
6. No industrial plant, furnace, flues, chimneys, control equipment, etc. shall be constructed/reconstructed/erected/re-erected without prior approval of this Board.

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Annexure to NOC Sl. NO 164601

Special Conditions issued to Public Health Engineering Dte, Project Implementation Unit (PIU), Bankura WBDWSIP for installation of Raw river Water Treatment Plant (Capacity: 36 MLD) for Mejhia and Gangajalghati Block Water Supply Scheme under WBDWSIP at Plot No. 851, Dag no. 851, J.L. No. 13, Khatian no. 973, Mouza: Basudevpur, P.O. & P.S.: Gangajalghati, District: Bankura. Pin- 722133.

- A. Emission:** Nil
- B. Raw Water Treatment :-** Raw river water: 36 MLD to be treated in Water Treatment Plant as per process description submitted by the unit and for bulk water supply for Majhia and Galgajalghati under WBDWSIP.
- C. Solid Waste :-**
- WTP sludge to be used as one of the raw material for making bricks as proposed by the unit and PVC/Plastic waste /gunny bags to be sold.
 - Plastic / PVC wastes to be sold to the State Board's authorised recyclers
- D. General:**
- At any instant, total quantity of Chlorine stored onsite shall be less than the threshold quantity of Chlorine as prescribed in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules.
 - The unit shall take all preventive and precautionary measure for controlling adverse impact of chlorine in case of any accidental release.
 - The unit shall take proper measures to control air, water and noise pollution.
 - This NOC is valid only subject to obtaining permission/clearances from the other Competent Authorities as applicable.
 - Ambient noise level not to exceed the permissible limit.
 - No addition/alteration/modification can be done without prior permission from the State Board.
 - The unit shall obtain Consent to Operate of the State Board before starting operation.
 - Good housekeeping to be maintained.
 - Adequate green belt around the unit to be developed.
 - This NOC is valid upto 28.02.2027 for setting up the Water Treatment Plant - 36 MLD capacity.


02/03/2024
Environmental Engineer
Operation & Execution Cell
West Bengal Pollution Control Board
Environmental Engineer
W. B. Pollution Control Board
Operation & Execution Cell

Memorandum No. W/164501

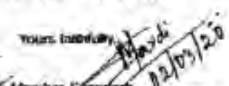
You shall comply with

- (i) Waste (Prevention and Control of Pollution) Gas Act, 1977, if applicable.
- (ii) Water (Prevention and Control of Pollution) Act, 1974, if applicable.
- (iii) Environment (Protection) Act, 1986.
- (iv) Environment (Protection) Rules, 1986.
- (v) Hazardous Waste (Management and Handling) Rules, 1989 and Amended Rules, 2000.
- (vi) Manufacture, Storage and Transport of Hazardous Chemicals Rules, 1989 and Amended Rules, 2000.
- (vii) Manufacture, Use, Import and Storage and Hazardous Micro-Organisms, Genetically Engineered Organisms or Cells Rules, 1989.
- (viii) The Public Liability Insurance Act, 1991 and Amended Act, 1992.
- (ix) The Public Liability Insurance Rules, 1991 and Amended Rules 1993.
- (x) Biomedical Waste (Management & Handling) Rules, 1986 and Amended Rules 2000 if applicable.
- (xi) Recycled Plastics Manufacture and Usage Rules 1999, if applicable and
- (xii) Ozone Depleting Substances (Regulation & Control) Rules, 2000, if applicable.

B. You will have to abide by any other stipulations as may be prescribed by any authority/local bodies/Government Departments etc.

SPECIAL CONDITION: Please see Annexure.
Gross Capital investment of the project is Rs. 37,13,00,000/-
(Rupees thirty-seven crores thirteen lakhs) only.

Any violation of the aforesaid conditions shall entail cancellation of the Consent to Establish (NOC)

Yours faithfully,

 Member Secretary
 West Bengal Environmental Engineer
 W. B. Pollution Control Board
 Operation & Execution Cell

Memorandum No. _____
 Copy furnished for information to :

1. Chief Inspector of Factories, Government of West Bengal, N. S. Building, Kolkata-700 001
2. Director of Industries/Director of Cottage & Small Scale Industries, Government of West Bengal, N. S. Building, Kolkata-700 001
3. Guard file, West Bengal Pollution Control Board.
4. Environmental Engineer, VII/Ailpur R.O./Howrah R.O./Hooghly R.O./B.R.O./D.R.O./Haldia R.O./S.R.O./Asansol Sub-R.O./WBPC Board

Himalaya Bhawan Delhi Road, Dankuni Dist. Hooghly	Vill. Panpur Kalyani Expressway P.O. Narayanpur Dist. 24 Pgs. (N)	Sahid Khudiram Samal City Centre, Durgapur-16 Dist. Burdwan
Paribesh Bhawan 10A, LA-Block, Sector-III Salt Lake City, Kolkata - 700 098	Block-05 at 40 Flats Complex Adjacent to Priyambada Housing Estate P.O. : Khanjanchak, P.S. Durgachak Haldia-721602 Dist. : Purba Medinipur	Paribahan Nagar Matigara, Siliguri Dist.-Darjeeling
Satyajit Chowdhury Indoor Stadium Bakurchar Bandh Road Mekla-732101	Asansol Sub-Regional Office ADDA Commercial Market (2nd Floor) Opposite Asansol Fire Station G.T. Road, Asansol-713 301	Member Secretary, West Bengal Pollution Control Board

Scanned by CamScanner

COMPLIANCE OF CTE -PKG-BK/03

Sl. No.	General Conditions of NOC for WTP	Compliance Status	Remarks
1	The quality of sewage and trade effluent to be discharged from your factory shall satisfy the permissible limits as prescribed in IS: 2490 (Pt 1) of 1974, and /or its subsequent amendment and Environment (Protection) Rules 1986.	Complied	It is a Zero Discharge facility
2	Suitable measures to treat your effluent shall be adopted by you in order to reduce the pollution at load so that the quality of the effluent satisfies the standards mentioned above.	Complied	Designed to meet regulatory requirements
3	You shall have to apply to this Board for its consent to operate and discharge of sewage and trade effluent according to the provisions of the water (Prevention & Control of Pollution) Act. 1974. No sewage or trade effluent shall be discharged by you without prior consent of this Board.	To be complied during operation phase	Consent to Operate will be obtained prior to operation
4	All emissions from your factory shall conform to the standards as laid down by this Board.	Not applicable presently	Regulatory compliance to air emissions will be ensured, as applicable
5	No emission shall be permitted without prior approval of this Board and you shall apply to this Board for its consent to operate and atmospheric emission as per provision of the Air (Prevention & Control Pollution) act, 1981.	To be complied during operation phase	Consent to Operate will be obtained prior to operation
6	No industrial plant, furnace. flues, chimneys., control equipment, etc. shall be constructed/ reconstructed/ erected/ re-erected without prior approval of this Board.	Not applicable	
7	You shall Comply with:		
	(i) Water (Prevention and Control of Pollution) Cess Act, 1977, if applicable.	Not Applicable	Repealed
	(ii) Water (Prevention and Control of Pollution) Cess Act, 1978, if applicable.	Not Applicable	Repealed
	(iii) Environment (Protection) Act, 1986	Complied	
	(iv) Environment (Protection) Rules, 1986	Complied	
	(v) Hazardous Wastes (Management and Handling) Rules, 1989 and Amended Rules, 2000	Complied	
	(vi) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amended Rules, 2000	Complied	Authorization for additional chlorine toners will be obtained prior to operation
	(vii) Manufacture, Use, Import and Storage and Hazardous Micro-Organisms, Genetically Engineered Organisms or Cell Rules. 1989	Not Applicable	
	(viii) The Public Liability Insurance Act, 1991 and Amended Act, 1992	Complied	Covered under all risk insurance policy
	(ix) The Public Liability Insurance Rules, 1991 and Amended Rules, 1993	Complied	Covered under all risk insurance policy

Sl. No.	General Conditions of NOC for WTP	Compliance Status	Remarks
	(x) Biomedical Wastes (Management & Handling) Rules, 1998 and Amended Rules 2000, if applicable.	Not Applicable	Minimal first-aid related bio-medical wastes are generated.
	(xi) Recycled Plastics Manufacture and Usage Rules 1999, if applicable and	Complied	
	(xii) Ozone Depleting Substances (Regulation & Control) Rules 2000, if applicable	Complied	Designed to meet regulatory requirements
SPECIAL CONDITION:			
A.	Emission - Nil	-	
B.	Raw Water Treatment	-	
	Raw river water: 36 MLD to be treated in Water Treatment Plant as per process description and for bulk water supply for Mijhia and Gangajalghati under WBDWSIP		
C.	Solid Waste: WTP sludge to be used for landfilling and PVC/Plastic waste /gunny bags to be sold.	Complied	
D	General:		
	1. At any instant, total quantity of Chlorine stored onsite shall be less than the threshold quantity of Chlorine as prescribed in the Manufacture, Storage and Import of Hazardous Chemicals (MSHHC) Rules		Noted
	2. The unit shall take all preventive and precautionary measures for controlling adverse impact of chlorine in case of any accidental release	Considered under design	
	3. The unit shall take proper measures to control air, water and noise pollution.	To be complied during operation phase	
	4. This NOC is valid only subject to obtaining permission/clearances from the other Competent Authorities as applicable.	-	Noted
	5. Ambient noise level not to exceed the permissible limit.	Complied	Refer: Ambient Noise Monitoring data
	6. No addition/alteration/modification can be done without prior permission from the State Board.	Complied	
	7. The unit shall obtain Consent to Operate of the State Board before starting operation.	-	Noted
	8. Good housekeeping to be maintained.	Complied	
	9. Adequate green belt around the unit to be developed.	-	Noted
	10. This NOC is valid upto 28.02.2027 for setting up the Water Treatment Plant - 36 MLD capacity.	-	Noted

PURBA MEDINIPUR

**Water Treatment Plant CTE
Purba Medinipur – Package EM/01**

NOC *NO164647*
WEST BENGAL POLLUTION CONTROL BOARD
Paribesh Bhawan
10A, Block – LA, Sector III, Bidhannagar
Kolkata - 700 105

Memo No. *321-56-h1-nc-b/20*

Dated *05/11/2020*

From :
Member Secretary,
West Bengal Pollution Control Board
To
The Assistant Engineer – I (Civil)
P.I.U Purba Medinipur, WBDWSIP, P.H.E Dte.,
Govt. of West Bengal
(Old Zilla Parishad Building)
Maniktala, Tamluk, Purba Medinipur - 721636

Sub : Consent to Establish (NOC) from Environmental Point of View
Ref : Your letter No. *18/09/2020*

WEST BENGAL

Dear Sirs,

In response to the application for Consent to Establish (NOC) for proposed Unit of M/s *WBDWSIP,*
PHE Directorate, Govt. of West Bengal,
for manufacturing/storing of *water treatment plant - 17 MLD for water*
supply to Nandakumar, Panchayat, Nandigram - II
at Mouza - *Jalpaiguri, Taluk - Sitapur Gram***
This is to inform you that this Board hereby grants the Consent to Establish (NOC) from the environmental point
of the above subject to the following conditions:
* Block in East Medinipur,
** Panchayat of Nandakumar, Dist - East Medinipur.

1. The quality of sewage and trade effluent to be discharged from your factory shall satisfy the permissible limits as prescribed in IS : 2490 (Pt. I) of 1974, and/or its subsequent amendment and Environment (Protection) Rules 1986.
2. Suitable measures to treat your effluent shall be adopted by you in order to reduce the pollutional load so that the quality of the effluent satisfies the standards mentioned above.
3. You shall have to apply to this Board for its consent to operate and discharge of sewage and trade effluent according to the provisions of the water (Prevention & Control of Pollution) Act, 1974. No sewage or trade effluent shall be discharged by you without prior consent of this Board.
4. All emission from your factory shall conform to the standards as laid down by this Board.
5. No emission shall be permitted without prior approval of this Board and you shall apply to this Board for its consent to operate and atmospheric emission as per provision of the Air (Prevention & Control Pollution) act, 1981.
6. No industrial plant, furnace, flues, chimneys, control equipment, etc. shall be constructed/reconstructed/erected/re-erected without prior approval of this Board.

NOC NO164647

7. You shall comply with
- (i) Water (Prevention and Control of Pollution) Cess Act, 1977, if applicable.
 - (ii) Water (Prevention and Control of Pollution) Cess Act, 1978, if applicable.
 - (iii) Environment (Protection) Act, 1986
 - (iv) Environment (Protection) Rules, 1986
 - (v) Hazardous Wastes (Management and Handling) Rules, 1989 and Amended Rules, 2000
 - (vi) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amended Rules, 2000
 - (vii) Manufacture, Use, Import and Storage and Hazardous Micro-Organisms, Genetically Engineered Organisms or Cell Rules, 1989
 - (viii) The Public Liability Insurance Act, 1991 and Amended Act, 1992
 - (ix) The Public Liability Insurance Rules, 1991 and Amended Rules 1993
 - (x) Biomedical Wastes (Management & Handling) Rules, 1998 and Amended Rules 2000 if applicable.
 - (xi) Recycled Plastics Manufacture and Usage Rules 1999, if applicable and
 - (xii) Ozone Depleting Substances (Regulation & Control) Rules, 2000, if applicable
8. You will have to abide by any other stipulations as may be prescribed by any authority/local bodies/Government Departments etc.

SPECIAL CONDITION:

See Annexure.
Gross Capital Investment of Rs. 95,00,00,000

Any violation of the aforesaid conditions shall entail cancellation of this Consent to Establish (NOC)

Yours faithfully,
[Signature]
Member Secretary,
West Bengal Pollution Control Board
Environmental Engineer
Dated: 05/11/20
W. B. Pollution Control Board
Operation & Execution Cell

Memo No. _____
Copy forwarded for information to :

1. Chief Inspector of Factories, Government of West Bengal, N. S. Building, Kolkata-700 001
2. Director of Industries/Director of Cottage & Small Scale Industries, Government of West Bengal, N. S. Building, Kolkata-700 001
3. Guard file, West Bengal Pollution Control Board.
4. Environmental Engineer, N/A/Alipur R.O./Howrah R.O./Hooghly R.O./B.R.O./D.R.O./Haldia R.O./S.R.O./Asansol Sub-R.O./WBPC Board

Himalaya Bhawan Delhi Road, Dankuni Dist. Hooghly	Vik. Panpur Kalyani Expressway P.O. Narayanpur Dist. 24 Pgt. (N)	Sahid Khudiram Sarani City Centre, Durgapur-16 Dist. Burdwan	10, Camac Street 2nd Floor Kolkata-700 017
Paribesh Bhawan 10A, LA-Block, Sector-III Salt Lake City, Kolkata - 700 098	Block-05 at 40 Flats Complex Adjacent to Priyambada Housing Estate P.O. : Kharjanchak, P.S. Durgachak Haldia-721602 Dist. : Purba Medinipur	Paribeshi Nagar Matigara, Siliguri Dist.-Darjeeling	
Satyajit Chowdhury Indoor Stadium Baluchar Bandh Road Malda-732101	Asansol Sub-Regional Office ADDA Commercial Market (2nd Floor) Opposite Asansol Fire Station G.T. Road, Asansol-713 301	Member Secretary, West Bengal Pollution Control Board	

Annexure to NOC SL NO164647

Special Conditions issued to **Water Treatment Plant -117 MLD** by WBDWSIP , PHE Directorate, Govt. of **West Bengal** located at Mouza-Jalpai & Sitalpur, JI No.70 & 71 under Sitalpur Gram Panchayat of Nandakumar Block, Dist-East Medinipur.

A. Emission:- Nil

B. Raw Water Treatment :-

Raw river water (117 MLD) : to be abstracted from river Rupnarayanpur at Mirpur/Ichapur of Nandakumar Block and pumped to the WTP(Water Treatment Plant) site at Mouza-Jalpai & Sitalpur for treatment in WTP as per process description and finally treated water to be supplied to Nandakumar, Chandipur, Nandigram-I & Nandigram-II Block in East Medinipur District through the supply pipeline.

C. Solid Waste :- WTP sludge to be used for landfilling and PVC/Plastic waste /gunny bags to be sold.

D. General :-

1. The unit shall take proper measures to control air, water and noise pollution.
2. This NOC is valid only subject to obtaining permission/clearances from the other Competent Authorities as applicable.
3. Ambient noise level not to exceed the permissible limit.
4. No addition/alteration/modification can be done without prior permission from the State Board.
5. The unit shall obtain Consent to Operate of the State Board before starting operation.
6. Good housekeeping to be maintained.
7. Adequate green belt around the unit to be developed.
8. This NOC is valid upto **31.10.2027** for setting up the Water Treatment Plant – 117 MLD capacity.


Environmental Engineer
West Bengal Pollution Control Board
Environmental Engineer
W. B. Pollution Control Board
Operation & Execution Cell


CTE Compliance

Sl. No.	General Conditions of NOC for WTP	Compliance Status	Remarks
1	The quality of sewage and trade effluent to be discharged from your factory shall satisfy the permissible limits as prescribed in IS: 2490 (Pt 1) of 1974, and /or its subsequent amendment and Environment (Protection) Rules 1986.	Will be complied	Operation not yet started
2	Suitable measures to treat your effluent shall be adopted by you in order to reduce the pollution at load so that the quality of the effluent satisfies the standards mentioned above.	Will be complied	Operation not yet started
3	You shall have to apply to this Board for its consent to operate and discharge of sewage and trade effluent according to the provisions of the water (Prevention & Control of Pollution) Act. 1974. No sewage or trade effluent shall be discharged by you without prior consent of this Board.	Will be complied	CTO will be obtained before start of operation stage
4	All emissions from your factory shall conform to the standards as laid down by this Board.	Complied	Ambient air, noise has been monitored
5	No emission shall be permitted without prior approval of this Board and you shall apply to this Board for its consent to operate and atmospheric emission as per provision of the Air (Prevention & Control Pollution) act, 1981.	NA	This is a construction project, fossil fuels not using here as a fuel.
6	No industrial plant, furnace. flues, chimneys., control equipment, etc. shall be constructed/ reconstructed/ erected/ re-erected without prior approval of this Board.	NA	This is a WTP construction project.
7	You shall Comply with:		
	(i) Water (Prevention and Control of Pollution) Cess Act, 1977, if applicable.	N.A	
	(ii) Water (Prevention and Control of Pollution) Cess Act, 1978, if applicable.	N.A	
	(iii) Environment (Protection) Act, 1986	Complied	
	(iv) Environment (Protection) Rules, 1986	Complied	
	(v) Hazardous Wastes (Management and Handling) Rules, 1989 and Amended Rules, 2000	Complied	Hazardous materials like diesel have been stored in separate container
	(vi) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amended Rules, 2000	N.A	
	(vii) Manufacture, Use, Import and Storage and Hazardous Micro-Organisms, Genetically Engineered Organisms or Cell Rules. 1989	N.A	
	(viii) The Public Liability Insurance Act, 1991 and Amended Act, 1992	N.A	
	(ix) The Public Liability Insurance Rules, 1991 and Amended Rules, 1993	N.A	

Sl. No.	General Conditions of NOC for WTP	Compliance Status	Remarks
	(x) Biomedical Wastes (Management & Handling) Rules, 1998 and Amended Rules 2000, if applicable.	N.A	
	(xi) Recycled Plastics Manufacture and Usage Rules 1999, if applicable and	N.A	
	(xii) Ozone Depleting Substances (Regulation & Control) Rules 2000, if applicable	N.A	
SPECIAL CONDITION:			
A.	Emission - Nil	Complied	Ambient air has been monitored
B.	Raw Water Treatment		
	Raw river water: 117 MLD to be abstracted from river Rupnarayan at Mirpur/Ichapur of Nanadakumar Block and pumped to the WTP site at Sitalpur-Jalpai mouza for treatment in WTP and finally treated water to be supplied to Nandakumar, Chandipur, Nandigram I & II	Complied	Extraction permission has been obtained from Inland and Waterways Department
C.	Solid Waste: WTP sludge to be used for landfilling and PVC/Plastic waste /gunny bags to be sold.	Complied	Sludge during piling at WTP is being used for filling low laying land
D	General:		
	1. The unit shall take proper measures to control air, water and noise pollution.	Complied	Water sprinkling has been done at WTP and Intake. Also, ambient noise has been monitored.
	2. This NOC is valid only subject to obtaining permission/clearances from the other Competent Authorities as applicable.	Noted	
	3. Ambient noise level not to exceed the permissible limit.	Complied	Ambient noise has been monitored.
	4. No addition/alteration/modification can be done without prior permission from the State Board.	Complied	
	5. The unit shall obtain Consent to Operate of the State Board before starting operation.	Will be complied	CTO will be obtained before start of the operation stage
	6. Good housekeeping to be maintained.	Partially Complied	Dust bin has provided at WTP
	7. Adequate green belt around the unit to be developed.	Will be complied	
	8. This NOC is valid upto 30.10.2027 for setting up the Water Treatment Plant - 117 MLD capacity.	Will be complied	

CTO of Ready Mix Concrete production unit- Batching plant

West Bengal Pollution Control Board
Paribesh Bhawan, 10A, Block-LA, Sector-III,
Bidhannagar, Kolkata-700 098
e-105236
Certificate for 'Consent to Operate'



No. 1526/POL/DIC/HOW/2022-23 Date: 13/03/2023

GREEN CATEGORY

The West Bengal Pollution Control Board hereby grants its 'Consent to Operate' under section 25 & 26 of the water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and the Rules and Orders made thereunder to M/s. M/S DMKAR INFRACON PVT. LTD. for its unit located at VILL & P.O. - Barunda, P.S. - Bagnan, Howrah - 711303 to run the industrial plant and to manufacture /store / install U. Drain & U. Drain Cover for a period from 01-03-2022 to 28-02-2029 to operate the industrial plant and to discharge liquid effluents through outlets / outfalls and to emit the gaseous emission in accordance with the conditions as mentioned below provided on any day at any instant the quantity and quality of liquid discharge and gaseous emission shall not exceed the permissible limit as specified in the Environment (Protection) Act, 1986.

* 450 MM, 600 MM (Cement Products)


Breach of the conditions and / or failure to comply with the directions / conditions as stated below shall render the applicant liable for prosecution under the provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981.


The State Board reserves its right to revoke, withdraw or make any reasonable variation of the conditions of or change or alter this consent by giving one month's notice to the applicant.

Conditions capital investment - Rs 4.00 Crore (approx)

01. The Applicant shall be responsible for the quantity and quality of liquid effluent and gaseous emissions.
02. The Applicant shall maintain the quality of liquid effluent discharge and air emissions and noise levels within statutory limits as mentioned in Environment (Protection) Act, 1986.
03. The Applicant shall submit analysis reports of the testing of liquid effluent and air emissions by Board-recognised laboratories with their applications, incase of any, discharge / Emission is involved in the process of manufacture.
04. To bring into any change in industrial plant, furnace, flues, chimneys, place and/or point of discharge of liquid and gaseous effluents, pollution control equipments the Applicant shall obtain prior permission of the Board in the regard.
05. The Applicant shall maintain good house keeping, good working condition and take adequate measures for control of pollution from all sources.
06. The Applicant shall bring about at least 33% of the available open land under green coverage/plantation.
07. The Applicant shall control the fugitive emissions from the activity are so as to maintain clean and safe environment in and around the factory premises.
08. The Applicant shall provide drainage system of conveying liquid wastes.
09. The Applicant shall allow the officers of the Board to enter into the applicant's premises at any reasonable time for inspecting the unit.
10. The Applicant shall make an application to the State Board in the prescribed form for renewal of the consent at least 30 days before the date of expiry of this consent.
11. The solid waste generated within the factory premises, sweepings etc. be disposed off scientifically so as not to cause any nuisance / pollution.
12. The Applicant should adopt adequate precautionary measures to prevent any inconvenience or annoyance to the denizens of the locality due to its activity or be a cause for environmental concern.
13. In case of using Diesel Generator, adequate precautionary measures to be taken as per norms fixed up by CPCB.


14. Fire & other Statutory Licenses to be obtained from Competent authority
For and on behalf of the West Bengal Pollution Control Board


**LAND CONVERSION CERTIFICATE
IS TO BE OBTAINED FROM
APPROPRIATE AUTHORITY**


General Manager
District Industries Centre
General Manager
District Industries Centre
West Bengal Pollution Control Board
Office Environment Officer of WBPCB

**CONSENT TO OPERATE (CTO) for Batching Plant
East Medinipur – Package EM/01 and EM02**

West Bengal Pollution Control Board
Paribesh Bhawan, IDA, Block-LA, Sector-III,
Bishanagar, Kolkata-700 098
PC-105236
Certificate for 'Consent to Operate'



No. 152C/POL/DIC/HOW/2022-23 Date: 13/03/2023

GREEN CATEGORY

The West Bengal Pollution Control Board hereby grants its 'Consent to Operate' under section 25 & 26 of the water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and the Rules and Orders made thereunder to M/s M/S OMKAR INFRACON PVT. LTD. for its unit located at VILL & P.O. - Barunda, P.S. - Bagnan, Howrah - 711 303 to run the industrial plant and to manufacture store / install U. Drain & U. Drain Cover * for a period from 01-03-2022 to 28-02-2029 to operate the industrial plant and to discharge liquid effluents through outlets / outfalls and to emit the gaseous emission in accordance with the conditions as mentioned below provided on any day at any instant the quantity and quality of liquid discharge and gaseous emission shall not exceed the permissible limit as specified in the Environment (Protection) Act, 1986.

* 450 MM, 600 MM (Cement Products)


Breach of the conditions and / or failure to comply with the directions / conditions as stated below shall render the applicant liable for prosecution under the provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981.


The State Board reserves its right to revoke, withdraw or make any reasonable variation of the conditions of or change or alter this consent by giving one month's notice to the applicant.

Conditions Capital investment - Rs 1.00 Crore (approx)

01. The Applicant shall be responsible for the quantity and quality of liquid effluent and gaseous emissions.
02. The Applicant shall maintain the quality of liquid effluent discharge and air emissions and noise levels within statutory limits as mentioned in Environment (Protection) Act, 1986.
03. The Applicant shall submit analysis reports of the testing of liquid effluent and air emissions by Board-recognised laboratories with their applications, incase of any, discharge / Emission is involved in the process of manufacture.
04. To bring into any change in industrial plant, furnace, flues, chimneys, place and/or point of discharge of liquid and gaseous effluents, pollution control equipments the Applicant shall obtain prior permission of the Board in the regard.
05. The Applicant shall maintain good house keeping, good working condition and take adequate measures for control of pollution from all sources.
06. The Applicant shall bring about at least 33% of the available open land under green coverage/plantation.
07. The Applicant shall control the fugitive emissions from the activity are so as to maintain clean and safe environment in and around the factory premises.
08. The Applicant shall provide drainage system of conveying liquid wastes.
09. The Applicant shall allow the officers of the Board to enter into the applicant's premises at any reasonable time for inspecting the unit.
10. The Applicant shall make an application to the State Board in the prescribed form for renewal of the consent at least 30 days before the date of expiry of this consent.
11. The solid waste generated within the factory premises, sweepings etc. be disposed off scientifically so as not to cause any nuisance / pollution.
12. The Applicant should adopt adequate precautionary measures to prevent any inconvenience or annoyance to the denizens of the locality due to its activity or be a cause for environmental concern.
13. In case of using Diesel Generator, adequate precautionary measures to be taken as per norms fixed up by CPCB.

14. Fire & other statutory liasons to be obtained from competent authority
For and on behalf of the West Bengal Pollution Control Board


**LAND CONVERSION CERTIFICATE
IS TO BE OBTAINED FROM
APPROPRIATE AUTHORITY**


General Manager
District Industries Centre
East Medinipur, West Bengal
West Bengal Pollution Control Board
Sr. Circle Environment Officer of WBPCB

PURCHASE ORDER



**Larsen & Toubro Limited,
Construction**

18, 1st Floor, Marine Drive, Salt Lake, Kolkata - 700098
 Phone: +91 33 22725000
 Fax: +91 33 22725000
 Website: www.larsentco.com

ORDER NO : 18/LI200611/POB/22/000005
 PO DATE : 20-Sep-2022
 LATEST AMENDMENT NO : 1
 AMENDMENT DATE : 29-Jul-2023
 VALUE : ██████████
 STATUS : **AUTHORIZED**



Order Essentials

Job : LI200621 - Medinipur Intake & WTP

Payment Centre : 57000010 - Shared Services Centre - Accounting Center

Type : Revenue and Domestic

Purchaser Group : Project

Delivery Period : 27 Jul 2023 to 29 Dec 2023

RFQ No. : LI/LI/2006/RFQ/22/000487

BQ No. : 1

Vendor Details

Name : VOD15457 - OMKAR INFRACON PVT LTD

Address : 11 JAMES WICKY SAKINIGEST FLOOR
KOLKATA
State : West Bengal - 700013
Country : India
Mobile : 9874001544
Phone :
Email : ja@omkarinfracon.com
PO Accepted : No

Statutory Details - Job

GST : 19AABCD2501110

GST State : West Bengal

Vertical : Larsen & Toubro Limited, Construction

Statutory Details - Vendor

GST : 19AABCD2501110

GST State : West Bengal

Vertical :

Billing To

LI200621 - Medinipur Intake & WTP
Nandigram

East Medinipur
East Medinipur
West Bengal
India - 721444

Shipping To

6279 - DESIGN, CONSTRUCTION & OPERATION MAINTENANCE OF RAW WATER INTAKE WELL, WATER TREATMENT PLANT, RAW & CLEAR WATER TRANSMISSION MAIN FOR NANDAKUMAR, CHANDIPUR, NANDIGRAM I & II BLOCKS IN EAST MEDINIPUR, Nandigram

East Medinipur
East Medinipur
West Bengal
India - 721444

Reason for Amendment

Refer Attachment Details

Delivery Schedule, Domestic Tax Details

APPENDIX 6: GRC NOTIFICATIONS AND COMMITTEE State & District Level Steering committee



Mejhia will be covered fully through piped water supply with the financial assistance from ADB. The proposal for remaining 4(four) blocks will be taken up with ADB for additional funding as the ADB officials advised in their *aide memoire* during their last consultation mission on 26-27 March, 2019.

- ii) In **Purba Medinipur district**, DPR for 4(four) Blocks namely Nandakumar, Chandipur, Nandigram-I and Nandigram-II has been prepared. But presently 2(Two) Blocks namely Nandigram –I and Nandigram –II will be covered fully through piped water supply with the financial assistance from ADB. But the Water Treatment Plant will be constructed for catering to all 4(four) blocks as mentioned above. The proposal for remaining 2(Two) blocks will be taken up with ADB for additional funding.
- iii) In **North 24 Parganas and South 24 Parganas districts**, Haroa and Bhangar-II blocks will be covered fully through piped water supply but Water Treatment Plant is considered for Barasat-II block also. The cost of distribution network for Barasat-II block is not considered under this Loan assignment. Now one DPR has been prepared for distribution network of Barasat-II Block for proposal initiation with ADB.
- iv) Presently 4 (four) Consultancy firms and 3 (three) NGOs have been engaged to assist PMU and 3(three) PIUs as per ADB approved Project Administration Manual (PAM). Moreover, Technical Assistance (TA) Consultant has also been engaged by the ADB for Smart Water Management.
- v) Purchase of Private land for construction of Intake Structure, Water Treatment Plant and Overhead reservoirs is under process for all the schemes. The land parcels lying with other Government Department are also being processed for Inter Departmental Transfer. All efforts will be taken to get the required parcels of land in possession of PHED well in advance so that project implementation is not affected for want of site at any stage.
- vi) Communication has been made with WBIDC for issuance of confirmation to Damodar Valley Reservoir Regulatory Commission

(DVRRC) regarding drawal of 70MLD water from Durgapur Barrage to get the drawal permission from DVRRC. The same was issued by WBIDC on 29.06.2018 addressed to Member Secretary DVRRC but DVRRC again asked for reconfirmation regarding the present requirement. The matter will be taken up again with WBIDC and also referred to me&W Department for taking up with DVRRC for expeditious action.


- vii) Postings of Sr. Accounts Officer at PMU and Accounts Officer at PIU-Purba Medinipur is required to be made on urgent basis as the loan disbursement and expenditures have already been started. The ADB officials highlighted the issue during their last mission. AGWB has already replied that there is no sanctioned post of Sr Accounts Officer/Accounts Officer under the Administrative Control of Works Miscellaneous Section and no scope to provide any regular Sr A.O./A.O. for the post. Proposal for re-designation of Sr Accounts Officer/Accounts Officer Post as Divisional Accounts Officer have been submitted to Finance Department for approval in consultation with the Financial Advisor, PHE Department. The Additional Secretary, Finance Department informed that he will look into the proposal of PHED.
- 4) Additional Chief Secretary, Irrigation and Waterways Department assured that the issues related to I & W Department will be taken care of on priority basis for smooth implementation of the project.
- 5) Additional Chief Secretary, Panchayets & Rural Development Department informed that necessity of piped water supply in other water quality affected blocks of North 24 Parganas, South 24 Pargana, Purba Medinipur and Bankura districts also needs to be looked into on urgent basis. The Principal Secretary, PHE Department informed that at present PHE Department has taken up a few surface water based water supply schemes which include ADB and JICA assisted schemes to provide safe and sustainable drinking water in the quality affected blocks of West Bengal under different Programmes which will be commissioned within the next 2 to 3 Years. The present population

covered through piped water supply scheme in west Bengal is about 58% and once the ongoing schemes are commissioned the coverage would reach 72%.

- 6) Principal Secretary, PHE Department proposed that the Principal Secretaries of P.W. Department, Land and Land Reforms Department and Urban Development & Municipal Affairs Departments may also be incorporated as members of the committee for more effective coordination and collaboration for timely commissioning of projects. In addition, Superintending Engineer/Executive Engineer, PWD, PW (Roads) and ADM (LR)/ DLLRO of the Project districts may also be included as invitee members of the District Level Steering Committee. The Chief Secretary agreed with the proposal. The revised list of members of State Level and District Level Steering Committee is attached as Annexure-B.

Chief Secretary advised that PHED must prepare an action plan and shelf of projects so that the entire state is covered with piped water supply schemes within the next 6 to 7 years by fixing priority in the quality affected blocks. He further advised that proposals for the remaining blocks to be covered under this project may be initiated by the PHE Department as early as possible.

There being no other issues for discussion, the meeting ended with vote of thanks to and from the Chair.


(Malay Kr. De, IAS)

Chief Secretary
Government of West Bengal

Memo no. PMU/WBDWSIP/PHEd/104/ 356(1-9) Dated Kolkata the 07.05.2019

Copy forwarded for information to:

1. P.A. to the Chief Secretary, Govt. of West Bengal. For kind information of the Chief Secretary.
2. P.A. to the Additional Chief Secretary, I & W Department. For kind information of the Additional Chief Secretary.
3. P.A. to the Additional Chief Secretary, P & R Department. For kind information of the Additional Chief Secretary.
4. P.A. to the Additional Chief Secretary, Finance Department. For kind information of the Additional Chief Secretary.
5. P.A. to the Principal Secretary, PHE Department. For kind information of the Principal Secretary
6. P.A. to the Principal Secretary, Public Works Department. For kind information of the Principal Secretary.
7. P.A. to the Principal Secretary, Urban Development & Municipal Affairs Department. For kind information of the Principal Secretary.
8. P.A. to the Principal Secretary, Land and Land Reforms Department. For kind information of the Principal Secretary.
9. P.A. to the Engineer-in-Chief, PHE Department. For kind information of the Engineer-in-Chief.

AK.
07.05.19
Chief Engineer & Project Director
PMU, WBDWSIP, PHE Dte
Government of West Bengal

Memo no. PMU/WBDWSIP/PHEd/104/ 356(1-30) Dated Kolkata the 07.05.2019

Copy forwarded for information and necessary action to:

1. The District Magistrate, North 24 Parganas/South 24 Parganas/Purba Medinipur/Bankura.
2. The Additional District Magistrate (LR)/DLLRO, Land and Land Reforms Department, North 24 Parganas/ South 24 Parganas/Purba Medinipur/Bankura.
3. The Additional Executive Officer, North 24 Parganas/South 24 Parganas/ Purba Medinipur/Bankura Zilla Parisad.
4. The Superintending Engineer, PIU, North 24 Parganas/Purba Medinipur/Bankura, WBDWSIP, PHED
5. The Superintending Engineer, Western Highway Circle-II/South Western Highway Circle/Eastern Highway Circle/ Southern Highway Circle, PW (Roads) Dte.
6. The Superintending Engineer, Western Circle II/ South Western Circle, PWD
7. The Superintending Engineer, Metropolitan Drainage Circle-I / Eastern Circle / Kangsabati Circle-I, Bankura / Western Circle-II, Medinipore/ Damodar Irrigation Circle, Irrigation and Waterways Dte.
8. The Executive Engineer, PIU, North 24 Parganas/ Purba Medinipur/ Bankura, PHE Dte
9. The Executive Engineer, Barasat Highway Division -I/ South 24 Parganas Highway Division /Tamluk Highway Division/ Bankura Highway Division, PW (Roads) Dte.
10. The Executive Engineer, Tamluk Division/ Bankura Division, PWD
11. The Executive Engineer, Contai Division/ Kangsabati Canal Division -I/ Damodar Headworks, I & W Dte.

AK.
07.05.19
Chief Engineer & Project Director
PMU, WBDWSIP, PHE Dte
Government of West Bengal

Meeting on 16.04.2019- 1st State Level Steering Committee

Subject: WBDWSIP

Venue: CS- Conference hall, Nabsanna

Time: 11:00am

Attendance Sheet: -

Sl. No	Name	Signature	Email
1	Chief secretary		
2	Additional Chief Secretary, P & RD Department		
3	Additional Chief Secretary, I & WD Department		
4	Additional Chief Secretary, Finance Department		
5	Principal Secretary, PHE Department		
6	Engineer- in - Chief, PHED		
7	Chief Engineer @ P. D. WBDWSIP, PHE H.		pd.pmu.adb@wbphed.gov.in
8	Dr. Sudip K. Sinha Addl. Secretary, Finance		sudipkumar.sinha@yahoo.in
9	Subhanis huy		Se. Pimpurmed. adb @wbphed.gov.in
10	Dobharo Bhanu		SE PUNUM Pym
11	Sujoy Barua	 SB 16/04/19	SE/PIU, Bankura
12	Nityananda Khan	 SB 16/4/19	SE/ME/PMU. semi.pmu.adb@wbphed.gov.in
13	Saunak San	 SE 16.4.19	ex.pmu.adb@wbphed.gov.in
14			
15			
16			

Annexure-B

A. Restructured State Level Steering Committee for ADB Assisted Project (WBDWSIP) under PHE Department.

Members of the State Level Steering Committee :-

1	The Chief Secretary, Govt. of West Bengal-	Chairperson
2	The Principal Secretary / Additional Chief Secretary, PHE Department-	Member
3	The Principal Secretary / Additional Chief Secretary, P & RD Department	Member
4	The Principal Secretary/ Additional Chief Secretary, Finance Department	Member
5	The Principal Secretary/ Additional Chief Secretary, I & W Department	Member
6	The Principal Secretary/ Additional Chief Secretary, Public Works Department	Member
7	The Principal Secretary/Additional Chief Secretary, Urban Development & Municipal Affairs Department	Member
8	The Principal Secretary/ Additional Chief Secretary, Land and Land Reforms Department	Member
9	The Engineer-in-Chief, PHE Department	Member
10	The Project Director, WBDWSIP, PHE Directorate	Member Secretary
11	The District Magistrate (each District)	Invitee Member


B. Restructured District Level Steering Committee for ADB Assisted Project (WBDWSIP) under PHE Department

Members of the District Level Steering Committee :-

1	The District Magistrate	Chairperson
2	The Additional District Magistrate/DLLRO, Land and Land Reforms	Member
3	The Additional Executive Officer, Zilla Parisad	Member
4	The Superintending Engineer, PIU (each PIU). PHE Dte	Member Secretary
5	The Superintending Engineer/Executive Engineer, PW (Roads)	Member
6	The Superintending Engineer/Executive Engineer, PWD	Member
7	The Superintending Engineer/Executive Engineer, I & WD	Member
8	The Executive Engineer, (PIU), PHE Dte	Member
9	The Assistant Engineer, Social Safeguard (PIU) PHE Dte	Member
10	The Block Development Officer (each Block)	Member
11	Representative of NGO	Invitee Member

PMU LEVEL

Grievance Redressal Mechanism M.A.O-418/PIU, 08-24-0
Social Safeguard
 EE(Civil) PIU.
 N24 Parganas
 Superintending Engineer,
 PIU, North 24-Parganas
 WBDWSIP, P.H.E. Dte.
 Govt. of West Bengal



Government of West Bengal
 Public Health Engineering Directorate
 Project Management Unit, West Bengal Drinking Water Sector Improvement Project
 Utility Building, 1st Floor, (Premises No.-09/1-0024)
 AA-1A, (Tank No.-3), New Town Kolkata-700 156
 Phone No.-(033) 2324-2095, E-mail: pd.pmu.adb@wbphed.gov.in
pmu.adb@wbphed.gov.in

Memo No. PMU/WBDWSIP/PHED/28.1.200

Date: 16.05.2019.

NOTIFICATION

In order to address social, environmental and any other project or sub project related grievances in the implementation of Piped water supply schemes in the districts of Bunkura, North & South 24 Parganas, Purba Medinipur under West Bengal Drinking Water Sector Improvement Project, PHE Dte with the assistance of Asian Development Bank (ADB), a common grievance redress mechanism has been developed for Project Management Unit.

The following members constitute the Grievance Redressal Committee to resolve the grievances at the PMU level:

1. Chair person- Chief Engineer & Project Director ,PMU
2. Member-Superintending Engineer (Civil), PMU
3. Member-Superintending Engineer (Mech/Elec), PMU,
4. Safeguards and Gender Officer, Safeguards Gender Cell- Executive Engineer-I PMU.

The functions of GRC at PMU level are as follows:-

1. Accept Grievances of the Aggrieved parties through telephone hot lines at accessible location, email, post at PMU office
2. Address and Facilitate resolution of Grievances not resolved at the field and PIU level within stipulated time.
3. PMU HSGO together with PIU safeguard officers will have the joint responsibility for timely grievance redress on safeguards and gender issues and for registration of grievances, related discloser, and communication with the aggrieved party.
4. Resolve grievances and suggest corrective measures or solutions for their redressal to PIU for implementation within the specified time (within 15 days).
5. If grievances cannot be resolved at the project level they will be referred to the District Steering Committee (DSC), which will also act as Grievance Redressal Committee particularly in matters related to land purchase and or acquisition, payment of compensation, and environmental pollution among others.

Open to Grievance
Social Safeguard
27/5/19

6. Any matter deemed higher than the district level or that may require inter departmental coordination, the required grievances redress will be referred to the state level steering committee.
7. Careful documentation of the name of the complainant and date of receipt of complaint, address and contact details of complainant, location of the problem area and how the problem was resolved and report the same in the Quarterly Progress Report and Semi Annual Safeguard Monitoring report to be submitted to ADB.
8. Periodically Review the functioning of the GRM at the field and PIU level.

The GRC will continue to function throughout the project duration.

Phu. 16.05.19 ✓
Chief Engineer & Project Director,
PMU, WBDWSIP, P.H.E. Dte.,
Govt. of West Bengal.

Memo No. PMU/WBDWSIP/PHED/...../.....

Date: 16.05.2019.

Copy forwarded for information to:-

1. The Superintending Engineer, Civil / (M/E), PMU, WBDWSIP, PHE Dte.
2. The Superintending Engineer, PIU, North 24 Parganas/ Purba Medinipur / Bankura, WBDWSIP, PHE Dte. with a directive to constitute the GRC at the PIU level and Field level as suggested in PAM approved by ADB.
3. The Executive Engineer-I, PMU, WBDWSIP, PHE Dte.
4. The Executive Engineer, PIU, North 24 Parganas/ Purba Medinipur/Bankura, WBDWSIP, PHE Dte.

Phu. 16.05.19 ✓
Chief Engineer & Project Director,
PMU, WBDWSIP, P.H.E. Dte.,
Govt. of West Bengal.

SAFEGUARD AND GENDER CELL PMU



West Bengal Drinking Water Sector Improvement Project
(Asian Development Bank funded)
PROJECT MANAGEMENT UNIT
Public Health Engineering Department,
Government of West Bengal
Utility Building, 1st Floor, AA-IA (Tank No. 3), New Town, North 24 Parganas, - 700156



Memo No. PMU/WBDWSIP/PHED/99/714


Dated : 04-07-2024

OFFICE ORDER

Public Health Engineering Department (PHED) has established a dedicated "Safeguard and Gender Cell(SGC)" at Project Management Unit (PMU) level to ensure the implementation of Environmental and Social Safeguards as per ADB's Safeguard Policy Statement (SPS), 2009 and requisite requirements under Loan No. 3696-IND.

Environment, Social and GESI- PMU

	Designation	Name	Contact details	Status
1	Superintending Engineer (Civil), PMU, WBDWSIP, Head SGS	Mr. Subhabrata Kundu	+91-9163236086	Available since- January 2024
2	Environment Specialist, PMC	Dr. Ardhendu Mitra	+919830415953	Available since- December 2018
3	Social, Gender & Resettlement Specialist, PMC	Mr. Arup Goswami	+919707020489	Available since April 2024


AYESHA RANI A, IAS
Sr. Special Secretary, PHED and
Project Director, PMU, WBDWSIP

Memo No. PMU/WBDWSIP/PHED/94/714

Dated : 04-07-2024

Copy forwarded for information to :

- 1) Chief Engineer, PMU, WBDWSIP, PHED
- 2) Superintending Engineer, (Civil), PMU, WBDWSIP, PHED
- 3) Superintending Engineer, (M/E), PMU, WBDWSIP, PHED
- 4) The Executive Engineer – I / II, PMU, WBDWSIP, PHED
- 5) All PIUs, North 24 Paragans / Bankura / Purba Medinipur
- 6) Dy. Team Leader, PMC / Dr. Ardhendu Mitra, Environmental Specialist / Mr. Arup Goswami Social, Gender & Resettlement Specialist, PMC


AYESHA RANI A, IAS
Sr. Special Secretary, PHED and
Project Director, PMU, WBDWSIP

NORTH 24 PGS
PIU Level GRC- North 24 pgs



GOVERNMENT OF WEST BENGAL
OFFICE OF THE SUPERINTENDING ENGINEER
P.I.U., NORTH 24 PARGANAS WEST BENGAL DRINKING
WATER SECTOR IMPROVEMENT PROJECT
PUBLIC HEALTH ENGINEERING DIRECTORATE
UTILITY BUILDING, 3RD FLOOR, (PRIMISES NO.-09/1-0024)
AA-IA (TANK NO. 3), NEW TOWN, KOLKATA-700156
Email : se_piun24p.adb@wbphed.gov.in

Memo No.

/PIUN24PGS

Dated :

NOTIFICATION

In order to address social, environmental and any other project or sub project related grievances in the implementation of Asian Development Bank (ADB) assisted Piped water supply schemes in the district of North 24 Parganas under West Bengal Drinking Water Sector Improvement Project (WBDWSIP), a project level Grievance Redress Mechanism (GRM) has been developed for the Project Implementation Unit (PIU), North 24 Parganas, WBDWSIP, PHE Dte. and the Grievance Redress Committee (GRC) has been constituted with the following members to resolve the grievances at the PIU level:

Status in the GRC	Designation	Contact No.
Member	Assistant Engineer and Officer, Safeguard & Gender (Responsible for Haroa), PIU, North 24 Parganas, WBDWSIP, PHE Dte	033 2324 2051 (Extn. 204)
Member	Assistant Engineer (Responsible for WTP), PIU, North 24 Parganas, WBDWSIP, PHE Dte.	033 2324 2051 (Extn. 202)
Member	Assistant Engineer (Responsible for Bhangar-II), PIU, North 24 Parganas, WBDWSIP, PHE Dte.	033 2324 2051 (Extn. 203)
Member	Junior Engineer and Asst. Officer, Safeguards (Responsible for Haroa), PIU, North 24 Parganas, WBDWSIP, PHE Dte.	033 2324 2051 (Extn. 205)
Member	Junior Engineer and Asst. Officer, Gender (Responsible for WTP), PIU, North 24 Parganas, WBDWSIP, PHE Dte.	033 2324 2051 (Extn. 210)
Member	Junior Engineer (Responsible for Bhangar-II), PIU, North 24 Parganas, WBDWSIP, PHE Dte.	033 2324 2051 (Extn. 211)

Note : This is in accordance to the structure enumerate in PAM.

The function of GRC at PIU level are as follows-

1. Being assisted by the Design Supervision & Institutional Support Consultants (DSISC) the PIU will disseminate information and awareness campaigns on grievance redress procedures.
2. Brief the contractors on GRM with support from DSISC.
3. Accept grievances of the aggrieved person(s) in the grievance redress form (as specified in Appendix 6 of PAM).
4. Careful documentation of the name of the aggrieved person(s), date of receipt of the grievance, address/ contact details of the aggrieved person, location of the problem area etc.