

SECTION 8: AMBIENT AIR MONITORING REPORT

8.1: CONCEPT & SCOPE

The Ambient Air monitoring encompasses the results and statistical evaluation of the data monitored at 38 different locations in Talcher coalfield of MCL. The scope of study includes monitoring for ambient air for FY 2022-23.

The AAQM Stations were selected in such a manner that stations were spread in:

1. Core-zone.
2. Upwind direction.
3. Down wind direction.
4. Crosswind direction.

Different parameters like PM₁₀, PM_{2.5}, Oxides of Sulphur, Oxides of Nitrogen, Ozone, Ammonia, CO, Lead, Nickel, Arsenic, and Benzene, Mercury, Chromium and Cadmium were monitored for representing the status of ambient air quality within the study area.

8.2: FREQUENCY OF SAMPLING

Table 5: Frequency of the sampling for AAQM was as follows:

Parameters	Frequency of each location
PM ₁₀ , PM _{2.5} , Oxides of Sulphur, Oxides of Nitrogen	Fortnightly for compliance stations & Twice in a week for reference stations
Ozone, Ammonia, CO, Lead, Nickel, Arsenic, Benzo (α) Pyrene & Benzene	Twice in a week for reference stations
Mercury, Chromium and Cadmium	Half yearly

8.3: SAMPLING DURATION

Table 6: Duration of the sampling for AAQM is as follows:

Sr. No.	Parameters	Sampling Duration (Hr.)
1	Particulate Matter (PM10)	24
2	Particulate Matter (PM2.5)	24
3	Oxides of Sulphur (SO2)	24
4	Oxides of Nitrogen (NOx)	24
5	Ammonia (NH3)	24
6	Ozone (O3)	1
7	Carbon Monoxide (CO)	8
8	Benzene	4
9	Benzo (α) Pyrene	24
10	Lead (Pb)	24
11	Nickel (Ni)	24
12	Arsenic (As)	24
13	Mercury	24
14	Chromium	24
15	Cadmium	24

8.4: AMBIENT AIR QUALITY MONITORING AT DIFFERENT LOCATIONS



Figure 2. Air Sampling at Village



Figure 3 Air Sampling at Village

8.5: AMBIENT AIR MONITORING REPORT

Table:7

Area: Jagannath

Project: Jagannath OCP

Monitoring Station: Near MDTP

All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
06-Apr-22	173	110	48	12.60	21.92
28-Apr-22	183	140	42	12.23	22.15
04-May-22	190	106	49	13.99	19.70
18-May-22	164	88	39	12.32	21.56
06-Jun-22	198	98	47	15.33	19.07
20-Jun-22	172	88	38	15.67	24.87
06-Jul-22	204	110	49	15.71	20.40
20-Jul-22	145	80	30	13.64	15.64
08-Aug-22	164	82	34	11.64	12.89
22-Aug-22	170	84	34	13.22	16.22
01-Sep-22	164	83	32	11.46	17.27
17-Sep-22	144	74	27	9.89	14.90
01-Oct-22	170	86	34	12.60	21.92
17-Oct-22	170	87	36	15.11	24.46
05-Nov-22	172	88	36	15.00	17.00
21-Nov-22	165	84	33	12.58	15.21
03-Dec-22	174	86	35	14.57	19.35
21-Dec-22	188	92	37	13.58	17.26
06-Jan-23	175	90	35	13.87	19.68
16-Jan-23	169	88	34	13.89	18.85
03-Feb-23	194	80	44	15.45	19.23
21-Feb-23	200	110	47	12.32	15.50
03-Mar-23	172	106	45	10.85	16.25
18-Mar-23	215	112	50	13.22	18.22
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	215	140	50	15.71	24.87
Minimum	144	74	27	10	13
Average	176.46	93.83	38.96	13.36	18.73
Standard (24 Hrs)	500	250		120	120

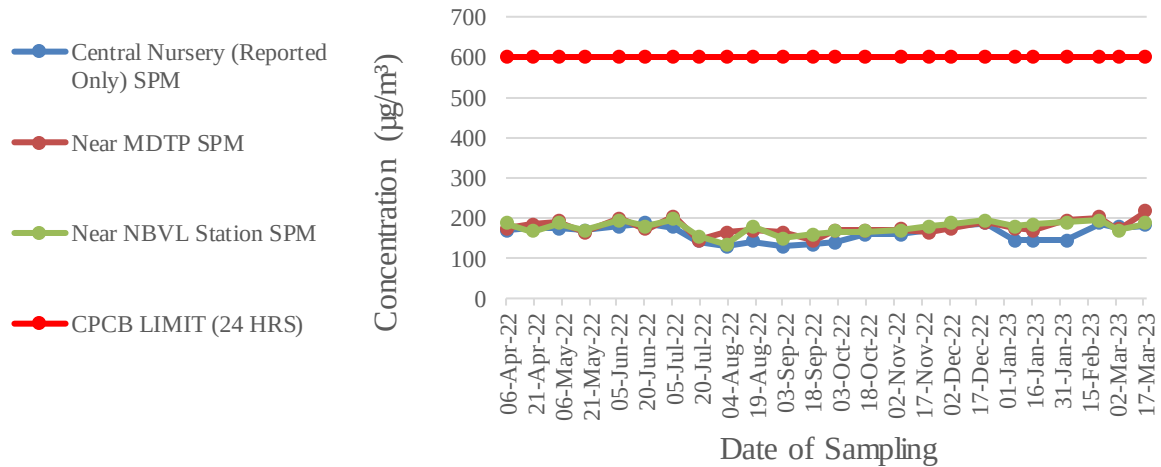
Table:8
Area: Jagannath
Project: Jagannath OCP
Monitoring Station: Near NBVL Station
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
06-Apr-22	185	105	45	13.79	28.61
20-Apr-22	167	125	45	11.23	20.15
04-May-22	185	102	47	13.05	27.08
18-May-22	168	92	41	10.23	25.76
06-Jun-22	194	95	45	12.32	21.24
20-Jun-22	180	95	43	12.48	19.62
06-Jul-22	196	104	47	13.32	17.22
20-Jul-22	155	86	35	11.55	13.25
08-Aug-22	134	65	24	16.03	17.26
22-Aug-22	178	90	38	13.22	15.22
01-Sep-22	150	74	28	15.46	22.29
17-Sep-22	160	81	30	14.17	20.44
01-Oct-22	166	84	32	13.79	28.61
17-Oct-22	166	83	33	17.99	21.36
05-Nov-22	168	86	34	12.00	15.00
21-Nov-22	178	89	38	10.22	16.32
03-Dec-22	185	95	40	11.77	16.90
21-Dec-22	194	98	43	12.36	15.26
06-Jan-23	178	92	37	8.63	17.70
16-Jan-23	184	97	42	12.23	16.56
03-Feb-23	188	97	42	12.23	15.26
20-Feb-23	194	106	45	10.23	12.21
03-Mar-23	168	102	43	12.56	14.56
18-Mar-23	186	96	40	11.23	14.22
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	196	125	47	17.99	28.61
Minimum	134	65	24	9	12
Average	175.29	93.29	39.04	12.59	18.84
Standard (24 Hrs)	500	250		120	120

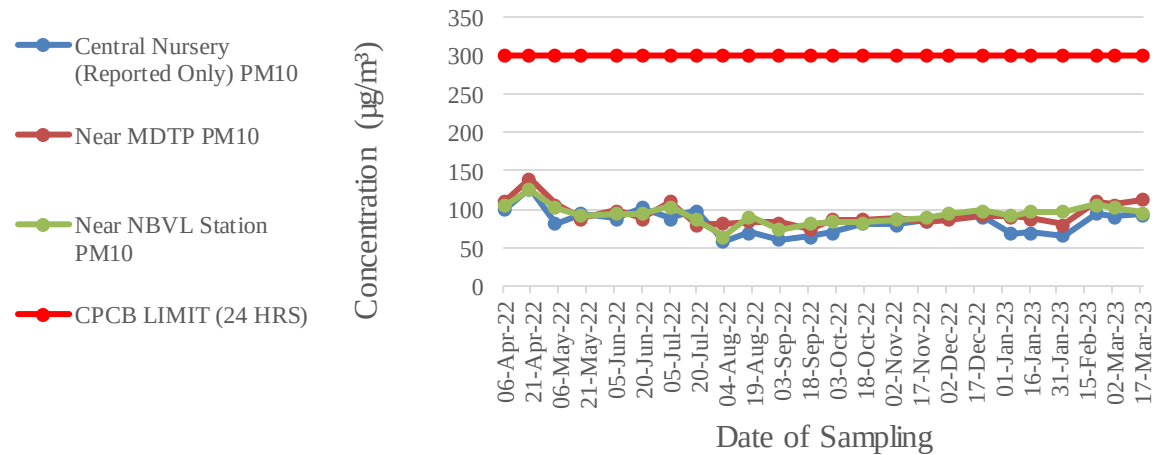
Table: 9
Area: Jagannath
Project: Jagannath OCP
Monitoring Station: Central Nursery (Reported Only)
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
06-Apr-22	170	100	40	23.00	29.00
20-Apr-22	173	127	45	17.89	25.26
04-May-22	174	82	43	14.12	21.00
18-May-22	170	94	43	11.89	19.36
06-Jun-22	180	88	40	16.37	17.10
20-Jun-22	186	102	45	13.54	17.84
05-Jul-22	176	88	38	11.15	15.06
19-Jul-22	141	98	27	10.95	12.55
03-Aug-22	130	58	20	11.83	16.63
17-Aug-22	141	70	26	10.22	13.22
02-Sep-22	130	60	20	11.68	21.48
19-Sep-22	135	65	24	12.32	22.65
01-Oct-22	140	70	26	12.53	15.36
17-Oct-22	160	82	30	12.36	20.01
05-Nov-22	160	80	30	16.88	20.26
21-Nov-22	172	85	35	12.84	23.23
03-Dec-22	178	90	37	11.19	16.76
21-Dec-22	186	90	35	20.23	19.32
06-Jan-23	145	69	25	13.22	13.02
16-Jan-23	145	70	25	16.23	21.20
03-Feb-23	144	66	24	17.52	14.65
21-Feb-23	185	95	40	10.52	17.52
03-Mar-23	176	90	35	11.75	16.94
18-Mar-23	182	93	38	15.22	15.32
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	186	127	45	23	29
Minimum	130	58	20	10	13
Average	161.63	83.83	32.96	13.98	18.53
Standard (24 Hrs)	500	250		120	120

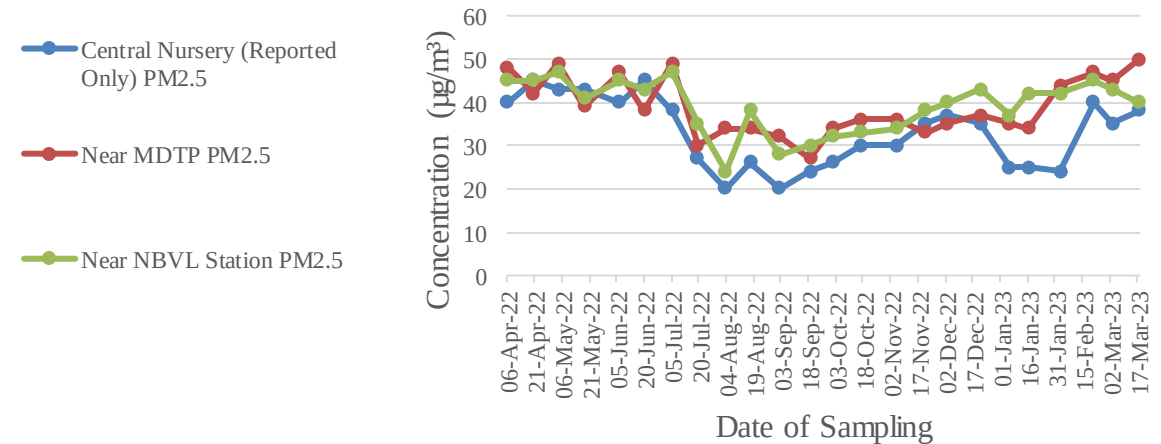
Graph Showing SPM for Jagannath OCP



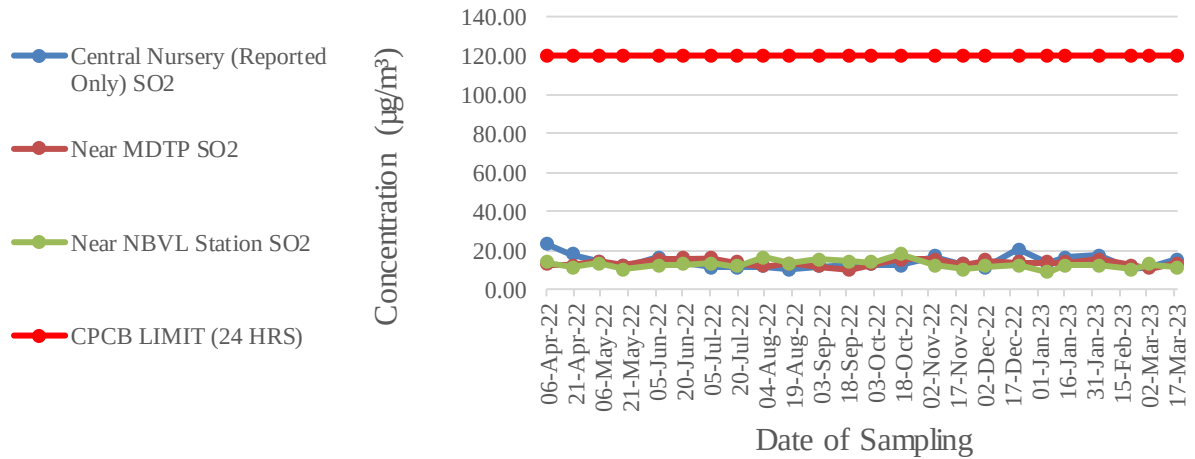
Graph Showing PM₁₀ for Jagannath OCP



Graph Showing PM_{2.5} for Jagannath OCP



Graph Showing SO₂ for Jagannath OCP



Graph Showing NO_x for Jagannath OCP

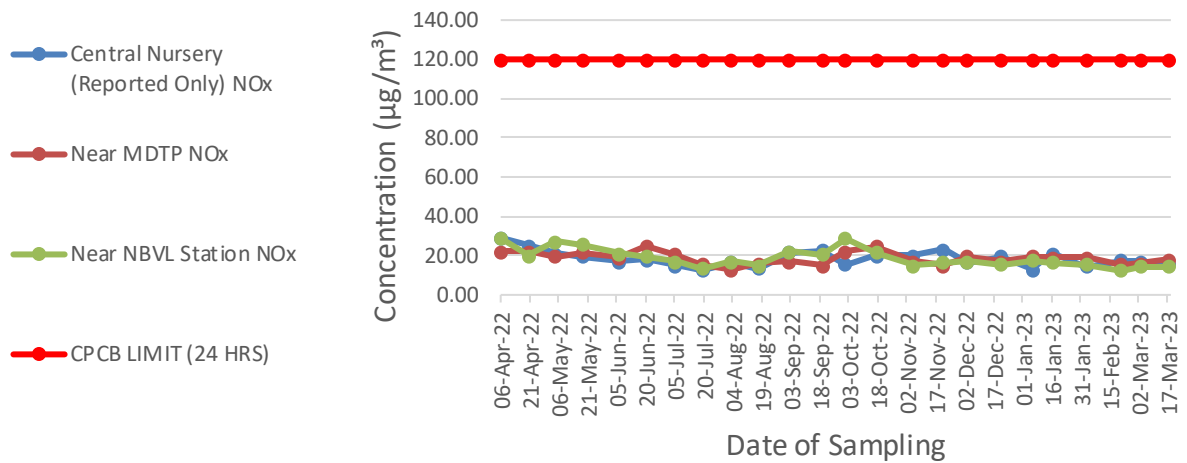


Table:10
Area: Jagannath
Project: Ananta OCP
Monitoring Station: Central Nursery
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
06-Apr-22	170	100	40	23.00	29.00
20-Apr-22	173	127	45	17.89	25.26
04-May-22	174	82	43	14.12	21.00
18-May-22	170	94	43	11.89	19.36
06-Jun-22	180	88	40	16.37	17.10
20-Jun-22	186	102	45	13.54	17.84
05-Jul-22	176	88	38	11.15	15.06
19-Jul-22	141	98	27	10.95	12.55
03-Aug-22	130	58	20	11.83	16.63
17-Aug-22	141	70	26	10.22	13.22
02-Sep-22	130	60	20	11.68	21.48
19-Sep-22	135	65	24	12.32	22.65
01-Oct-22	140	70	26	12.53	15.36
17-Oct-22	160	82	30	12.36	20.01
05-Nov-22	160	80	30	16.88	20.26
21-Nov-22	172	85	35	12.84	23.23
03-Dec-22	178	90	37	11.19	16.76
21-Dec-22	186	90	35	20.23	19.32
06-Jan-23	145	69	25	13.22	13.02
16-Jan-23	145	70	25	16.23	21.20
03-Feb-23	144	66	24	17.52	14.65
21-Feb-23	185	95	40	10.52	17.52
03-Mar-23	176	90	35	11.75	16.94
18-Mar-23	182	93	38	15.22	15.32
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	186	127	45	23	29
Minimum	130	58	20	10	13
Average	161.63	83.83	32.96	13.98	18.53
Standard (24 Hrs)	500	250		120	120

Table:11

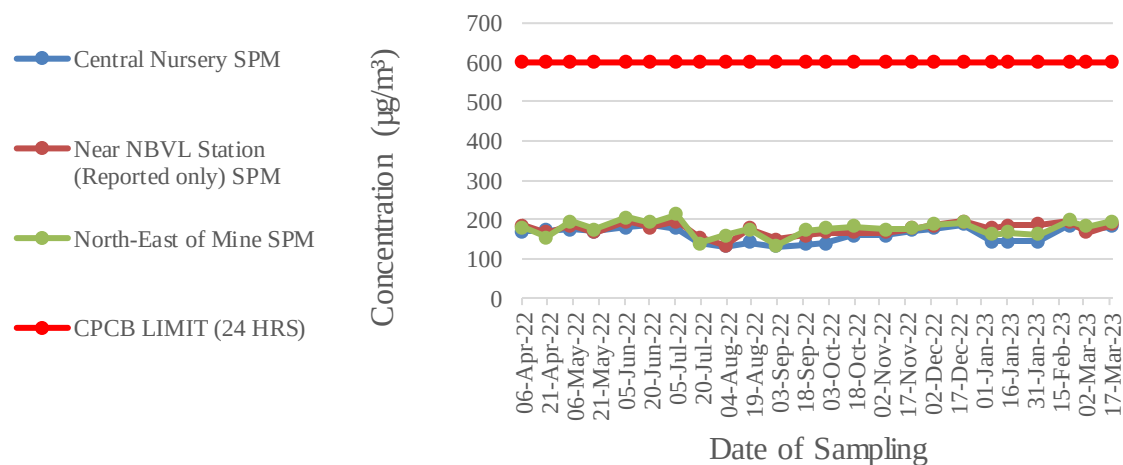
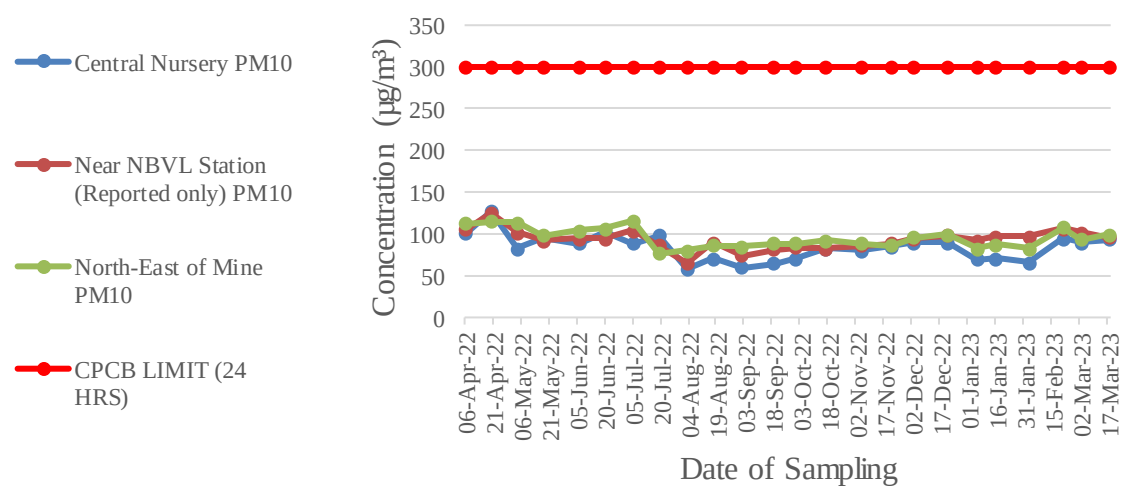
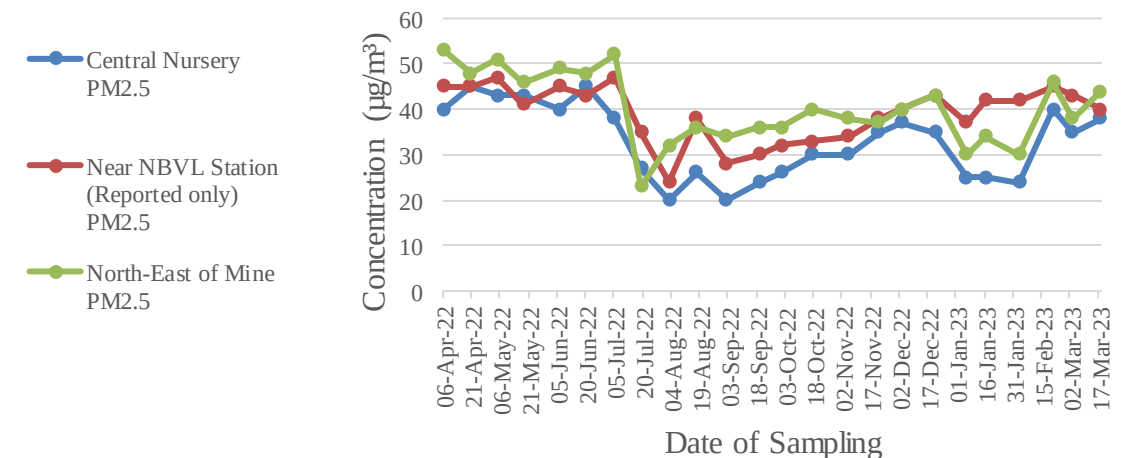
Area: Jagannath**Project:** Ananta OCP**Monitoring Station:** Near NBVL Station (Reported only)*All values are in $\mu\text{g}/\text{m}^3$*

Date of Sampling	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
06-Apr-22	185	105	45	13.79	28.61
20-Apr-22	167	125	45	11.23	20.15
04-May-22	185	102	47	13.05	27.08
18-May-22	168	92	41	10.23	25.76
06-Jun-22	194	95	45	12.32	21.24
20-Jun-22	180	95	43	12.48	19.62
06-Jul-22	196	104	47	13.32	17.22
20-Jul-22	155	86	35	11.55	13.25
08-Aug-22	134	65	24	16.03	17.26
22-Aug-22	178	90	38	13.22	15.22
01-Sep-22	150	74	28	15.46	22.29
17-Sep-22	160	81	30	14.17	20.44
01-Oct-22	166	84	32	13.79	28.61
17-Oct-22	166	83	33	17.99	21.36
05-Nov-22	168	86	34	12.00	15.00
21-Nov-22	178	89	38	10.22	16.32
03-Dec-22	185	95	40	11.77	16.90
21-Dec-22	194	98	43	12.36	15.26
06-Jan-23	178	92	37	8.63	17.70
16-Jan-23	184	97	42	12.23	16.56
03-Feb-23	188	97	42	12.23	15.26
20-Feb-23	194	106	45	10.23	12.21
03-Mar-23	168	102	43	12.56	14.56
18-Mar-23	186	96	40	11.23	14.22
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	196	125	47	17.99	28.61
Minimum	134	65	24	9	12
Average	175.29	93.29	39.04	12.59	18.84
Standard (24 Hrs)	500	250		120	120

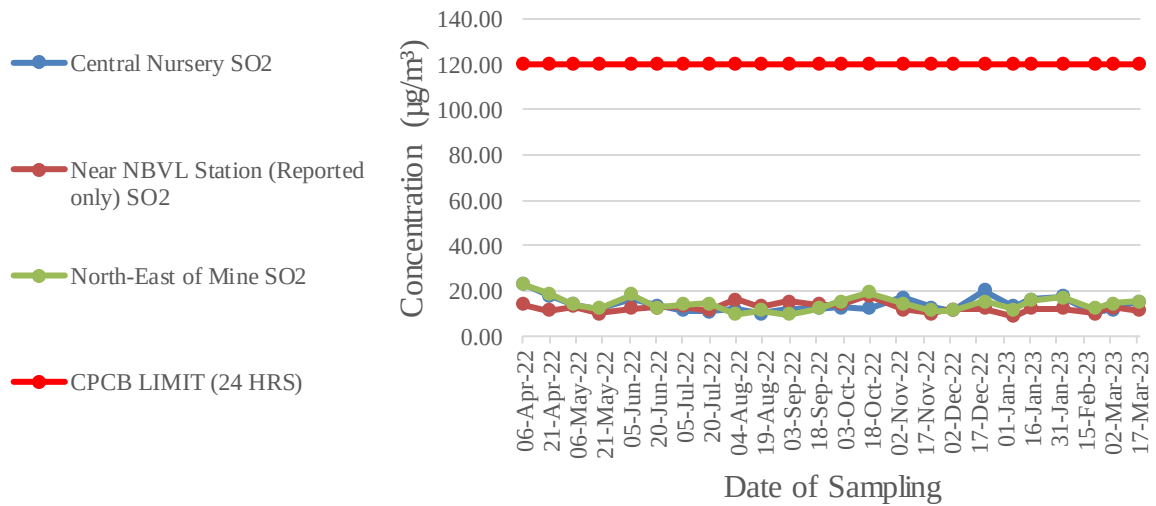
Table:12
Area: Jagannath
Project: Ananta OCP
Monitoring Station: North-East of Mine
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
06-Apr-22	180	112	53	22.74	34.24
20-Apr-22	153	115	48	18.98	25.26
04-May-22	194	114	51	14.00	15.46
18-May-22	174	98	46	12.26	18.33
06-Jun-22	204	104	49	18.23	23.95
20-Jun-22	192	106	48	12.54	13.33
05-Jul-22	212	116	52	13.94	17.29
19-Jul-22	139	76	23	14.48	17.52
03-Aug-22	158	80	32	9.56	18.58
17-Aug-22	174	86	36	11.52	17.25
02-Sep-22	134	85	34	9.59	23.38
19-Sep-22	172	88	36	12.05	29.37
01-Oct-22	176	88	36	15.23	17.28
17-Oct-22	182	92	40	19.19	26.04
05-Nov-22	175	88	38	14.52	18.88
21-Nov-22	176	86	37	11.22	14.55
03-Dec-22	187	96	40	11.37	18.56
21-Dec-22	193	99	43	15.45	21.52
06-Jan-23	162	82	30	11.94	11.19
16-Jan-23	167	87	34	15.85	18.56
03-Feb-23	162	82	30	16.88	18.26
20-Feb-23	198	108	46	12.26	17.56
03-Mar-23	182	93	38	14.52	21.21
18-Mar-23	194	99	44	15.28	15.20
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	212	116	53	22.74	34.24
Minimum	134	76	23	10	11
Average	176.67	95.00	40.17	14.32	19.70
Standard (24 Hrs)	500	250		120	120

Graph Showing SPM for Ananta OCP

Graph Showing PM₁₀ for Ananta OCPGraph Showing PM_{2.5} for Ananta OCP

Graph Showing SO₂ for Ananta OCP



Graph Showing NO_x for Ananta OCP

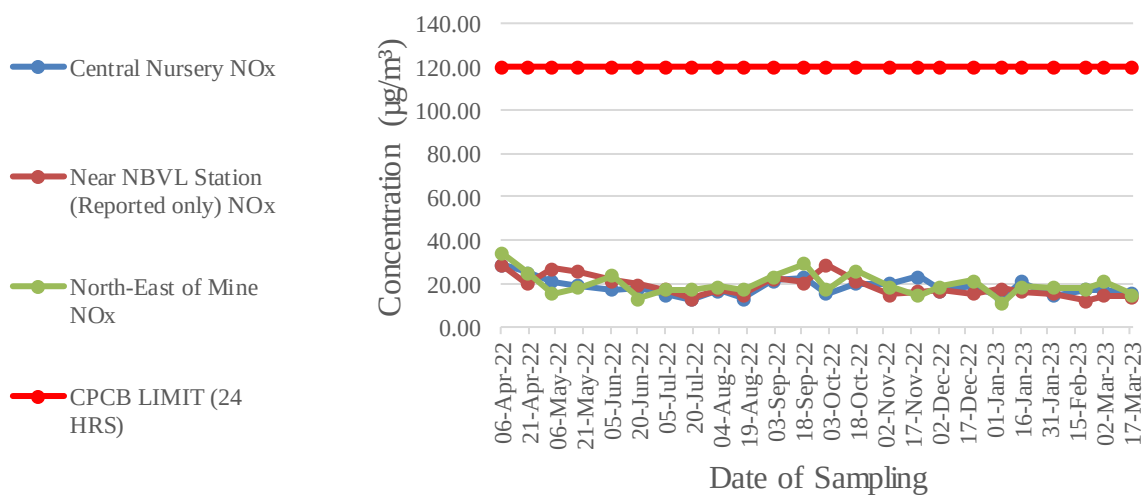


Table:13
Area: Bharatpur
Project: Bharatpur OCP
Monitoring Station: Near ETP/Workshop
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
08-Apr-22	182.00	103	47	18.62	22.40
27-Apr-22	143.00	109	42	17.56	26.21
11-May-22	195.00	108	50	14.85	21.27
25-May-22	176.00	102	46	15.26	21.23
13-Jun-22	195.00	94	45	10.74	12.37
29-Jun-22	190.00	106	48	11.57	15.60
11-Jul-22	198.00	106	48	13.62	14.03
25-Jul-22	165.00	115	40	8.40	11.01
09-Aug-22	144.00	74	28	10.35	14.03
23-Aug-22	198.00	105	46	13.22	17.52
03-Sep-22	167.00	86	34	10.35	18.61
20-Sep-22	174.00	88	37	9.07	16.32
01-Oct-22	177.00	97	36	18.62	22.40
17-Oct-22	184.00	94	41	10.93	11.22
05-Nov-22	168.00	85	34	15.45	17.32
21-Nov-22	177.00	88	38	14.87	16.66
03-Dec-22	188.00	98	42	14.33	17.27
21-Dec-22	196.00	101	44	11.52	16.95
06-Jan-23	185.00	94	42	13.15	18.81
16-Jan-23	194.00	101	45	16.75	13.56
03-Feb-23	181.00	94	38	11.23	15.23
21-Feb-23	188.00	94	42	14.78	13.56
04-Mar-23	192.00	97	41	17.56	12.52
18-Mar-23	184.00	94	39	14.22	18.55
Brief Statistics	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	198	115	50	18.62	26.21
Minimum	143	74	28	8	11
Average	180.88	97.21	41.38	13.63	16.86
Standard (24 Hrs)	500	250		120	120

Table:14
Area: Bharatpur
Project: Bharatpur OCP
Monitoring Station: Near MGR-RLS of Bharatpur
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
08-Apr-22	185.00	110	47	12.20	18.20
27-Apr-22	184.00	139	47	17.25	24.56
11-May-22	180.00	97	45	10.61	14.73
25-May-22	186.00	111	49	13.26	18.88
13-Jun-22	182.00	92	42	11.77	16.30
29-Jun-22	186.00	105	46	11.36	14.08
11-Jul-22	188.00	95	44	15.15	18.71
25-Jul-22	162.00	140	55	13.20	16.35
09-Aug-22	186.00	98	44	13.84	17.84
23-Aug-22	194.00	100	45	10.22	15.22
03-Sep-22	186.00	93	42	13.44	22.72
21-Sep-22	178.00	90	39	15.34	25.93
03-Oct-22	190.00	98	45	12.20	18.20
18-Oct-22	185.00	94	42	13.69	15.51
14-Nov-22	184.00	92	41	11.23	16.66
22-Nov-22	184.00	91	40	10.23	17.84
07-Dec-22	190.00	97	42	12.02	18.89
22-Dec-22	198.00	102	45	17.56	20.20
07-Jan-23	144.00	66	24	11.37	18.56
21-Jan-23	178.00	93	38	11.75	14.52
04-Feb-23	185.00	96	40	16.23	17.52
21-Feb-23	190.00	97	42	19.56	17.56
04-Mar-23	192.00	98	42	10.52	14.52
18-Mar-23	198.00	102	45	10.22	15.22
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	198	140	55	19.56	25.93
Minimum	144	66	24	10	14
Average	183.96	99.83	42.96	13.09	17.86
Standard (24 Hrs)	500	250		120	120

Table:15
Area: Bharatpur
Project: Bharatpur OCP
Monitoring Station: Near Regional Store
All values are in $\mu\text{g}/\text{m}^3$

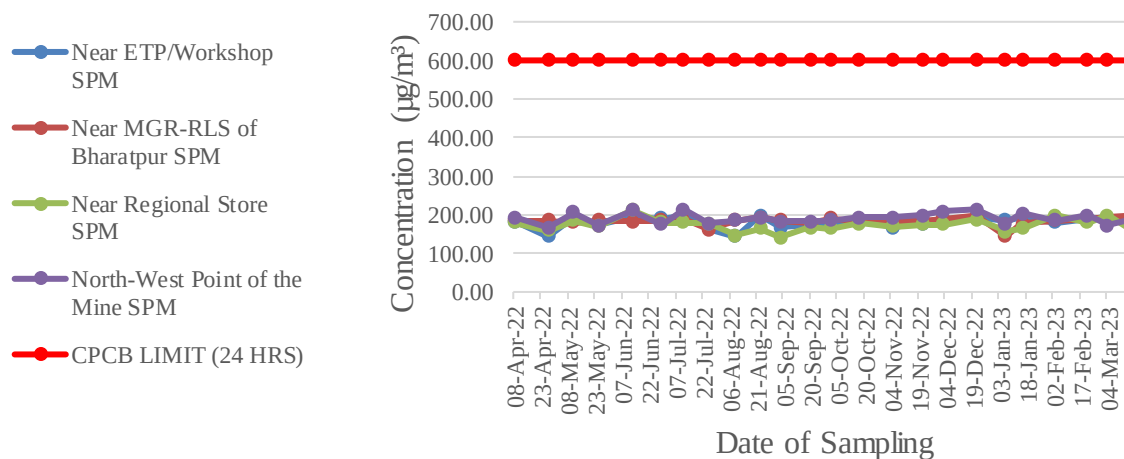
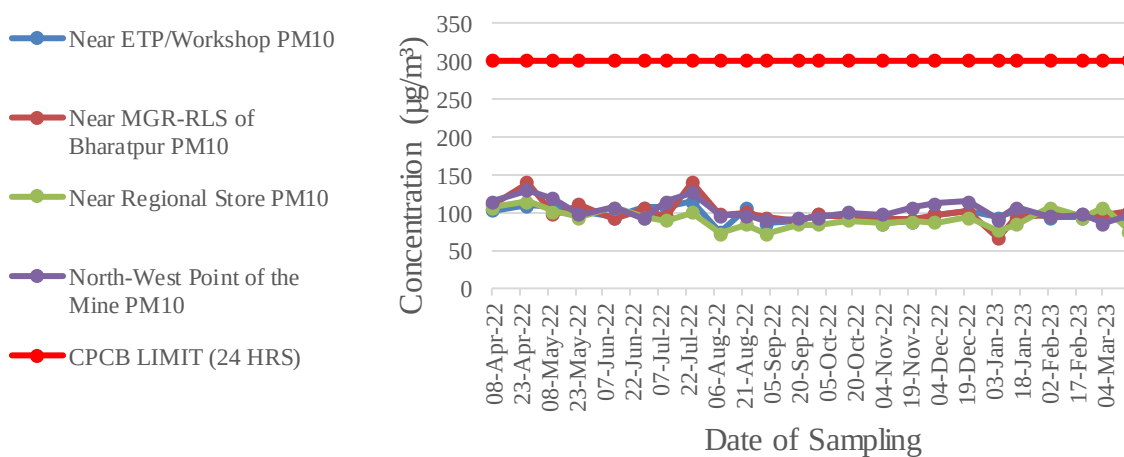
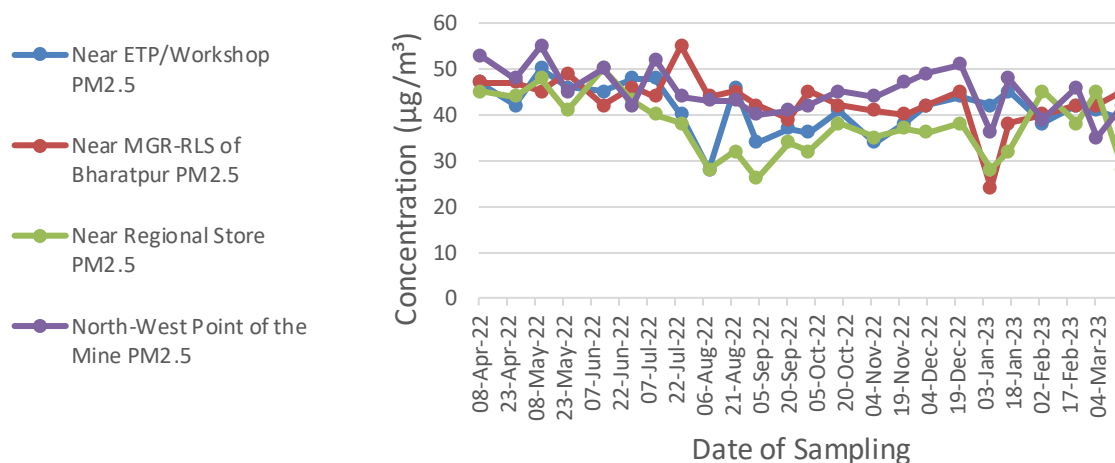
Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
08-Apr-22	179.00	106	45	13.90	20.25
27-Apr-22	158.00	115	44	19.34	26.56
11-May-22	186.00	102	48	10.42	16.74
25-May-22	170.00	93	41	14.52	23.23
13-Jun-22	212.00	107	50	16.65	19.77
29-Jun-22	180.00	94	43	13.72	23.60
11-Jul-22	180.00	90	40	11.57	15.44
25-Jul-22	177.00	100	38	9.92	11.38
09-Aug-22	146.00	73	28	15.98	19.83
23-Aug-22	164.00	84	32	12.25	17.22
03-Sep-22	142.00	72	26	15.91	26.57
21-Sep-22	166.00	84	34	15.75	26.25
03-Oct-22	164.00	84	32	13.90	20.25
18-Oct-22	178.00	90	38	16.65	19.77
14-Nov-22	170.00	86	35	13.76	19.23
22-Nov-22	176.00	88	37	11.52	16.12
07-Dec-22	176.00	87	36	10.16	14.91
22-Dec-22	189.00	94	38	12.56	18.88
07-Jan-23	156.00	76	28	11.19	16.76
21-Jan-23	164.00	84	32	15.56	19.75
04-Feb-23	197.00	106	45	17.84	19.26
21-Feb-23	180.00	93	38	13.28	16.48
04-Mar-23	198.00	106	45	12.54	16.85
18-Mar-23	156.00	75	28	13.22	14.23
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	212	115	50	19.34	26.57
Minimum	142	72	26	10	11
Average	173.50	91.21	37.54	13.84	19.14
Standard (24 Hrs)	500	250		120	120

Table:16
Area: Bharatpur
Project: Bharatpur OCP
Monitoring Station: North-West Point of the Mine

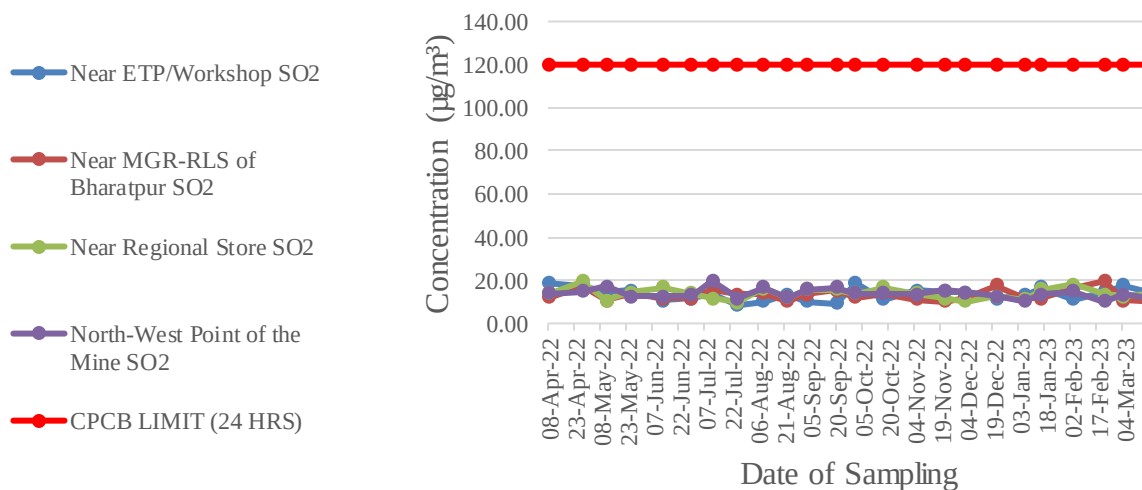
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
08-Apr-22	192.00	115	53	13.82	29.72
27-Apr-22	167.00	129	48	14.68	20.14
11-May-22	207.00	118	55	17.27	17.88
25-May-22	172.00	97	45	12.32	17.45
13-Jun-22	210.00	106	50	12.44	14.77
29-Jun-22	176.00	92	42	13.18	20.92
11-Jul-22	214.00	115	52	19.76	20.75
25-Jul-22	178.00	126	44	11.45	14.67
09-Aug-22	184.00	96	43	16.55	17.31
23-Aug-22	192.00	96	43	12.22	14.23
03-Sep-22	182.00	90	40	15.82	22.04
20-Sep-22	182.00	92	41	16.62	23.17
01-Oct-22	186.00	94	42	13.82	15.23
17-Oct-22	192.00	100	45	13.93	15.26
05-Nov-22	192.00	98	44	13.28	14.55
21-Nov-22	198.00	106	47	15.22	17.98
03-Dec-22	208.00	112	49	14.57	20.36
21-Dec-22	214.00	114	51	12.28	16.78
06-Jan-23	178.00	91	36	10.23	18.26
16-Jan-23	202.00	106	48	13.52	17.85
04-Feb-23	184.00	95	39	14.65	18.23
21-Feb-23	198.00	98	46	10.26	12.55
04-Mar-23	173.00	86	35	13.45	17.58
18-Mar-23	188.00	98	42	12.23	17.25
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	214	129	55	19.76	29.72
Minimum	167	86	35	10	13
Average	190.38	102.92	45.00	13.90	18.12
Standard (24 Hrs)	500	250		120	120

Graph Showing SPM for Bharatpur OCP

Graph Showing PM_{10} for Bharatpur OCPGraph Showing $\text{PM}_{2.5}$ for Bharatpur OCP

Graph Showing SO₂ for Bharatpur OCP



Graph Showing NO_x for Bharatpur OCP

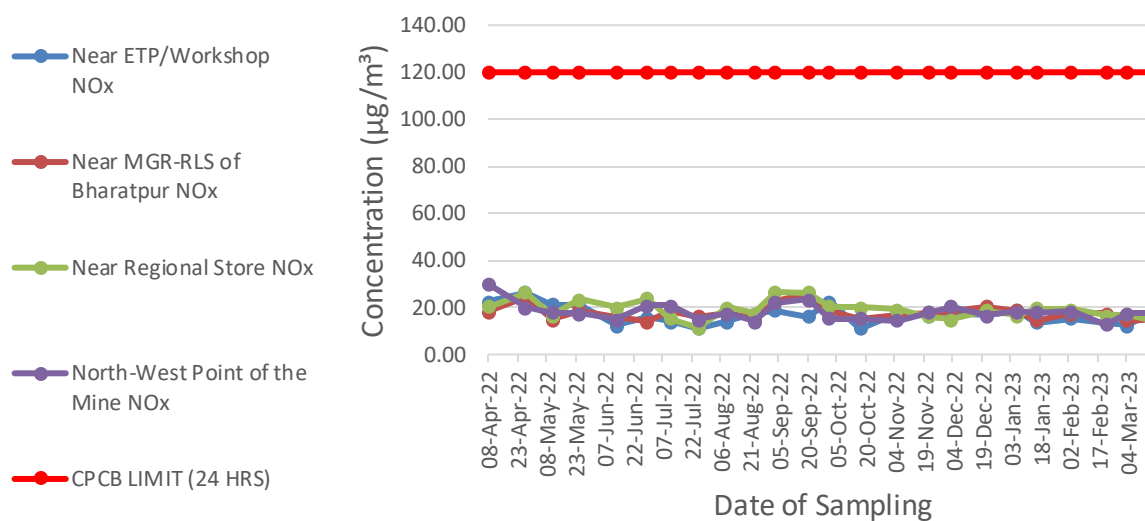


Table:17
Area: Lingaraj
Project: Lingaraj OCP
Monitoring Station: IWSS

All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
07-Apr-22	165	91	40	11.13	29.61
21-Apr-22	153	105	47	20.31	27.69
05-May-22	166	84	42	13.83	27.67
19-May-22	174	98	45	13.36	17.36
07-Jun-22	172	86	38	10.93	11.22
21-Jun-22	178	91	42	15.69	20.29
06-Jul-22	182	91	40	14.62	15.41
20-Jul-22	140	86	31	11.49	13.17
08-Aug-22	174	90	38	14.44	16.57
22-Aug-22	182	92	41	13.22	17.25
05-Sep-22	183	92	40	14.05	21.57
22-Sep-22	186	96	44	12.16	18.67
03-Oct-22	188	97	44	11.13	15.78
18-Oct-22	198	108	47	17.37	20.02
14-Nov-22	186	94	42	14.25	19.58
22-Nov-22	196	98	45	10.25	16.28
07-Dec-22	205	109	48	11.2	19.35
22-Dec-22	195	98	43	13.2	21.2
07-Jan-23	138	60	22	16.33	17.52
21-Jan-23	193	103	44	12.52	20.21
08-Feb-23	176	92	36	11.2	18.52
22-Feb-23	179	93	38	12.26	17.88
09-Mar-23	182	94	38	14.74	19.56
20-Mar-23	186	95	40	12.52	15.22
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	205	109	48	20.31	29.61
Minimum	138	60	22	10	11
Average	178.21	93.46	40.63	13.43	19.07
Standard (24 Hrs)	500	250		120	120

Table:18
Area: Lingaraj
Project: Lingaraj OCP
Monitoring Station: Near Lingaraj to Dera Road

All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
07-Apr-22	163	97	48	21.03	28.49
21-Apr-22	143	97	45	16.45	25.87
05-May-22	192	110	50	13.94	15.43
19-May-22	178	108	48	10.23	17.56
07-Jun-22	199	100	47	13.93	15.26
21-Jun-22	188	104	46	10.68	13.06
06-Jul-22	192	97	45	12.9	19.95
20-Jul-22	115	69	28	10.96	13.87
08-Aug-22	186	97	43	16.47	18.26
22-Aug-22	186	95	43	11.52	18.22
05-Sep-22	184	94	41	15.81	23.25
22-Sep-22	177	88	38	18.79	27.64
03-Oct-22	180	90	38	12.52	17.32
18-Oct-22	185	93	42	10.79	12.43
14-Nov-22	174	87	36	13.22	21.45
22-Nov-22	179	89	38	10.22	14.52
07-Dec-22	192	98	42	9.6	21.32
22-Dec-22	192	95	40	12.52	17.56
07-Jan-23	154	74	27	12.23	20.22
21-Jan-23	177	92	38	14.52	17.95
08-Feb-23	162	82	30	10.1	12.26
22-Feb-23	173	90	35	12.26	15.26
09-Mar-23	194	99	43	12.56	17.85
20-Mar-23	178	93	37	10.22	17.22
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	199	110	50	21.03	28.49
Minimum	115	69	27	10	12
Average	176.79	93.25	40.33	13.06	18.43
Standard (24 Hrs)	500	250		120	120

Table:19

Area: Lingaraj**Project:** Lingaraj OCP**Monitoring Station:** Near OB Dump No. 10 (Near North Side of Mine)*All values are in $\mu\text{g}/\text{m}^3$*

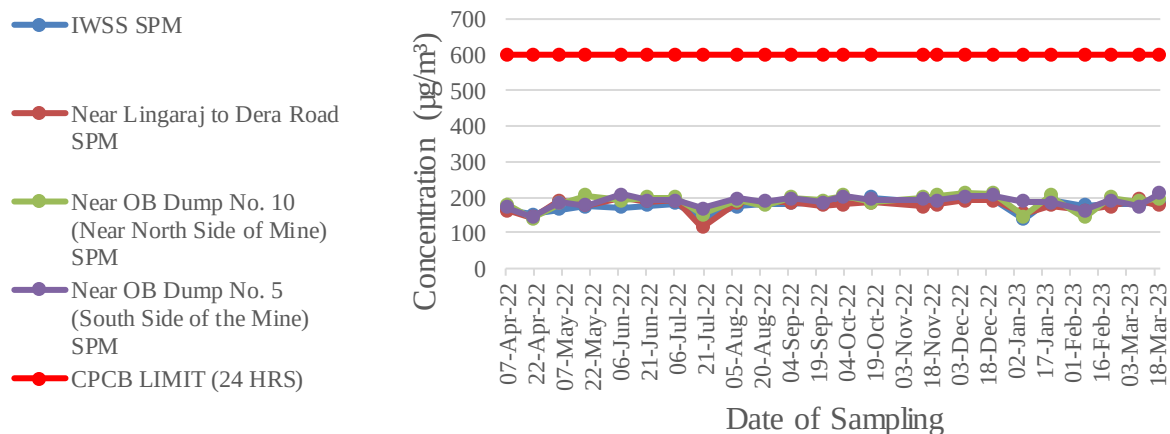
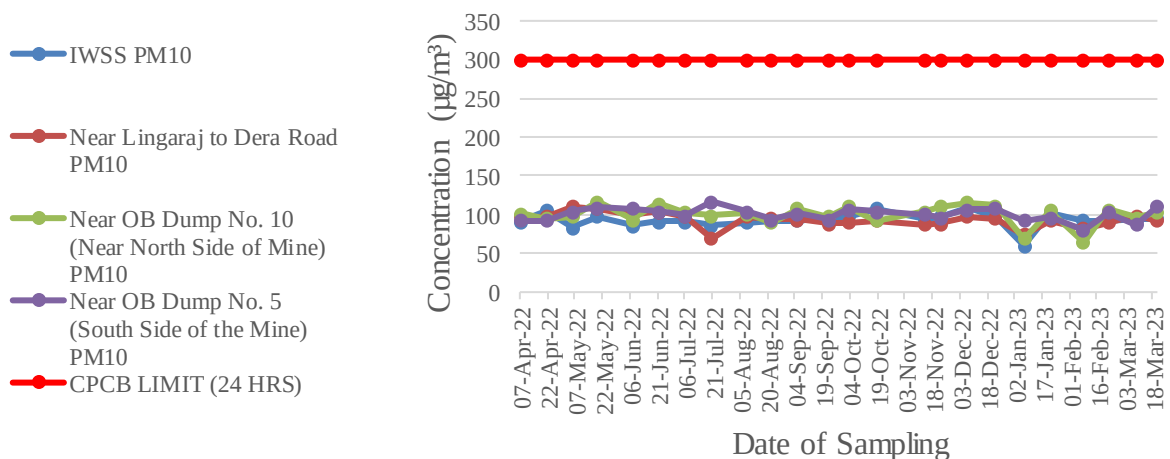
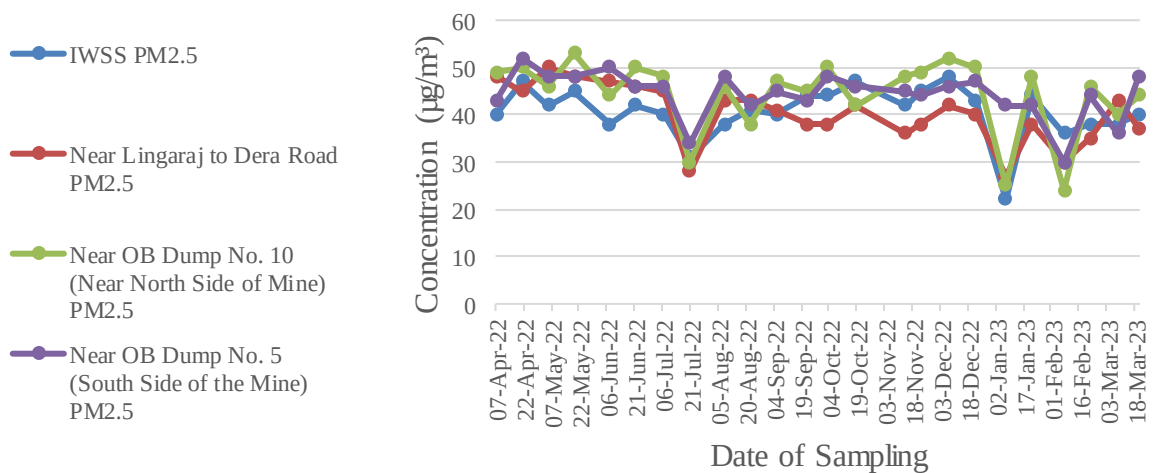
Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
07-Apr-22	180	102	49	17.45	28.72
21-Apr-22	141	95	50	16.45	26.32
05-May-22	182	98	46	20.15	15.54
19-May-22	206	117	53	17.2	24.36
07-Jun-22	192	94	44	16.92	24.87
21-Jun-22	200	114	50	14.13	19.64
06-Jul-22	200	103	48	13.02	19.41
20-Jul-22	152	99	30	9.97	13.71
08-Aug-22	192	101	46	10.61	15.87
22-Aug-22	178	90	38	11.52	13.22
03-Sep-22	200	108	47	10.73	21.04
22-Sep-22	190	98	45	14.03	27.52
03-Oct-22	206	110	50	11.2	18.55
18-Oct-22	186	93	42	19.53	14.2
14-Nov-22	198	104	48	10.25	17.52
22-Nov-22	204	110	49	14.58	19.32
07-Dec-22	212	116	52	11.61	18.53
22-Dec-22	210	112	50	15.26	18.65
07-Jan-23	145	69	25	13.56	18.54
21-Jan-23	204	105	48	15.85	13.74
04-Feb-23	143	64	24	12.32	15.65
22-Feb-23	198	107	46	13.52	16.23
09-Mar-23	187	96	40	12.65	15.87
20-Mar-23	196	103	44	10.22	13.22
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	212	117	53	20.15	28.72
Minimum	141	64	24	10	13
Average	187.58	100.33	44.33	13.86	18.76
Standard (24 Hrs)	500	250		120	120

Table:20
Area: Lingaraj
Project: Lingaraj OCP
Monitoring Station: Near OB Dump No. 5 (South Side of the Mine)

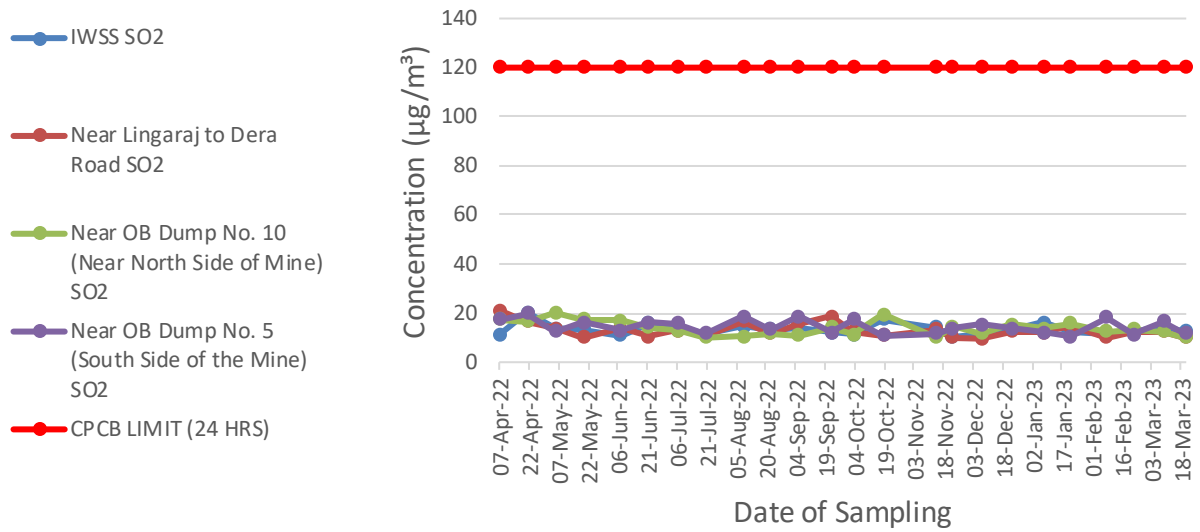
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
07-Apr-22	170	93	43	17.54	26.73
21-Apr-22	145	93	52	19.65	25.54
05-May-22	184	104	48	12.41	13.2
19-May-22	178	109	48	16.36	25.36
07-Jun-22	208	108	50	13.05	15.49
21-Jun-22	190	104	46	16.02	22.04
06-Jul-22	192	99	46	15.89	20.98
20-Jul-22	168	117	34	11.58	14.75
08-Aug-22	196	104	48	18.63	21.76
22-Aug-22	188	94	42	13.22	18.22
03-Sep-22	196	102	45	18.55	29.51
21-Sep-22	184	94	43	12.07	19.19
03-Oct-22	202	106	48	17.54	20.77
18-Oct-22	195	104	46	10.81	12.44
14-Nov-22	195	100	45	11.58	15.29
22-Nov-22	190	96	44	13.56	17.45
07-Dec-22	202	106	46	15.49	17.47
22-Dec-22	204	108	47	13.75	20.23
07-Jan-23	189	93	42	12.26	16.22
21-Jan-23	185	96	42	10.52	14.52
04-Feb-23	162	80	30	18.26	12.26
22-Feb-23	192	103	44	11.25	15.56
09-Mar-23	174	87	36	16.58	13.56
20-Mar-23	210	110	48	11.52	17.25
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	210	117	52	19.65	29.51
Minimum	145	80	30	11	12
Average	187.46	100.42	44.29	14.50	18.57
Standard (24 Hrs)	500	250		120	120

Graph Showing SPM for Lingaraj OCP

Graph Showing PM₁₀ for Lingaraj OCPGraph Showing PM_{2.5} for Lingaraj OCP

Graph Showing SO₂ for Lingaraj OCP



Graph Showing NO_x for Lingaraj OCP

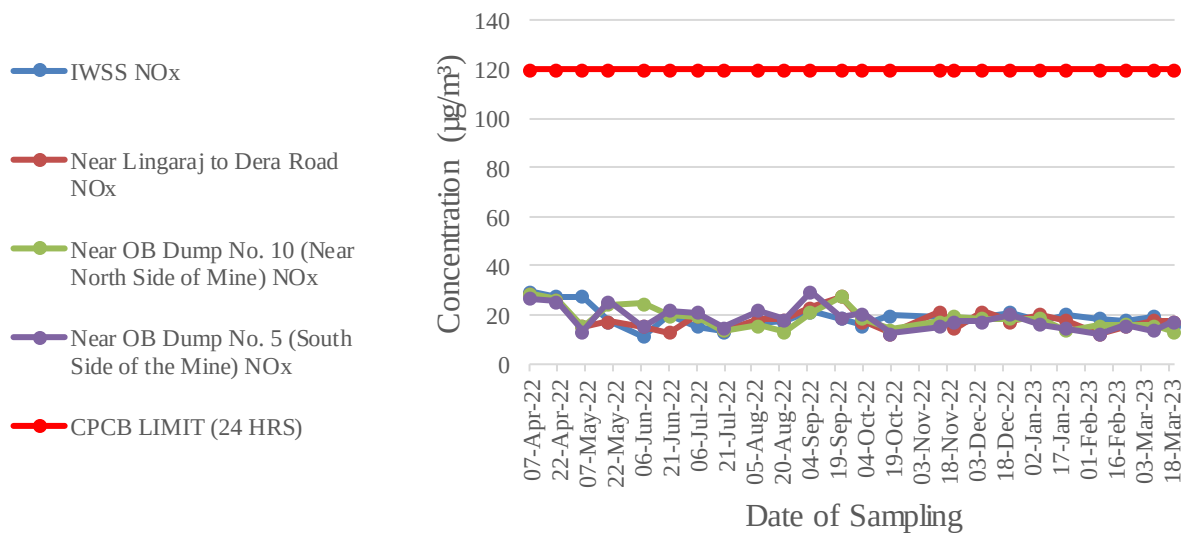


Table:21

Area: Kaniha**Project:** Kaniha OCP**Monitoring Station:** Near External OB Dump Jamania*All values are in $\mu\text{g}/\text{m}^3$*

Date of Sampling	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
12-Apr-22	175	95	45	19.05	28.16
26-Apr-22	167	119	49	16.54	22.67
10-May-22	171	94	43	16.11	27.96
24-May-22	180	96	47	14.25	18.74
09-Jun-22	196	98	46	16.13	23.66
23-Jun-22	186	104	45	16.23	26.58
09-Jul-22	190	92	42	14.97	24.25
23-Jul-22	177	125	40	12.96	13.51
06-Aug-22	142	72	27	13.31	18.17
20-Aug-22	141	70	26	10.2	14.2
07-Sep-22	137	69	25	13.4	24.34
26-Sep-22	160	80	30	10.46	19.01
03-Oct-22	144	73	27	13.22	16.32
31-Oct-22	170	86	35	16.13	23.66
11-Nov-22	160	81	30	12.54	16.23
28-Nov-22	164	83	32	10.58	13.54
14-Dec-22	178	88	36	11.21	13.59
30-Dec-22	174	88	34	12.2	19.32
13-Jan-23	143	66	24	12.21	20.04
30-Jan-23	176	92	37	13.52	17.52
09-Feb-23	185	96	40	17.88	15.56
25-Feb-23	199	98	46	12.26	18.54
11-Mar-23	178	93	37	12.28	17.98
21-Mar-23	192	104	43	17.25	20.85
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	199	125	49	19.05	28.16
Minimum	137	66	24	10	14
Average	170.21	90.08	36.92	13.95	19.77
Standard (24 Hrs)	500	250		120	120

Table: 22
Area: Kaniha
Project: Kaniha OCP
Monitoring Station: Near Jatra Padia Jarda
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
11-Apr-22	181	101	50	17.55	31.94
25-Apr-22	163	113	50	17.58	26.91
10-May-22	209	112	52	14.64	27.1
24-May-22	198	112	52	17.23	25.22
09-Jun-22	208	109	50	18.11	29.36
23-Jun-22	194	108	48	12.77	14.64
09-Jul-22	194	94	44	15.89	16.25
23-Jul-22	110	60	26	10.64	14.64
06-Aug-22	196	98	44	19.76	21.3
20-Aug-22	164	83	32	15.22	19.22
07-Sep-22	180	90	40	19.41	28.55
24-Sep-22	184	94	42	16.62	24.45
03-Oct-22	184	94	42	14.85	16.2
31-Oct-22	188	98	44	18.11	14.2
11-Nov-22	181	91	40	11.25	14.32
28-Nov-22	192	95	43	14.88	18.56
14-Dec-22	200	106	45	12.61	14.06
30-Dec-22	196	97	42	13.52	17.23
13-Jan-23	138	62	22	17.02	17.7
30-Jan-23	186	96	40	12.52	20.22
09-Feb-23	176	92	36	17.32	12.26
25-Feb-23	192	102	43	15.56	12.74
11-Mar-23	189	98	42	13.98	15.21
21-Mar-23	202	108	46	10.25	13.22
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	209	113	52	19.76	31.94
Minimum	110	60	22	10	12
Average	183.54	96.38	42.29	15.30	19.40
Standard (24 Hrs)	500	250		120	120

Table: 23
Area: Kaniha
Project: Kaniha OCP
Monitoring Station: New Time Office-Near Z-patch
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
11-Apr-22	161	101	45	16.78	29.95
25-Apr-22	146	87	45	16.54	28.32
09-May-22	180	103	47	10.42	25.67
23-May-22	184	105	48	17.26	28.32
08-Jun-22	195	97	45	15.18	16.26
22-Jun-22	184	96	44	15.45	24.89
07-Jul-22	184	92	42	12.65	19.7
21-Jul-22	144	79	28	11.58	14.84
04-Aug-22	190	92	40	12.16	15.72
18-Aug-22	176	88	38	10.22	13.22
06-Sep-22	175	86	36	11.86	20.16
23-Sep-22	166	85	34	12.46	21.18
01-Oct-22	182	90	38	16.78	19.32
31-Oct-22	176	90	38	15.18	16.26
11-Nov-22	182	90	40	16.58	13.22
28-Nov-22	178	88	38	12.85	17.98
14-Dec-22	189	96	41	11.33	19.47
30-Dec-22	193	96	40	14.32	17.75
13-Jan-23	175	90	35	12.45	23.15
30-Jan-23	176	89	35	16.85	12.25
08-Feb-23	186	95	40	12.31	16.88
22-Feb-23	196	106	45	12.26	17.41
10-Mar-23	180	94	38	13.87	17.58
21-Mar-23	198	104	45	15.23	17.25
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	198	106	48	17.26	29.95
Minimum	144	79	28	10	12
Average	179.00	93.29	40.21	13.86	19.45
Standard (24 Hrs)	500	250		120	120

Table:24
Area: Kaniha
Project: Kaniha OCP
Monitoring Station: North of the Mine
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
12-Apr-22	190	120	55	15.72	29.93
26-Apr-22	124	69	48	19.87	29.64
10-May-22	215	116	54	15.62	23.71
24-May-22	155	82	34	11.76	21.54
09-Jun-22	202	102	48	17.59	22.11
23-Jun-22	170	88	38	11.49	17.57
09-Jul-22	196	100	46	13.4	20.88
23-Jul-22	156	122	35	14.62	18.86
06-Aug-22	188	90	39	13.75	18.07
20-Aug-22	180	90	39	15.22	17.52
08-Sep-22	185	96	42	13.7	23.97
26-Sep-22	192	99	45	14.64	25.61
01-Oct-22	188	96	44	15.72	20.52
31-Oct-22	202	108	48	17.59	22.11
11-Nov-22	196	102	46	13.58	17.69
28-Nov-22	200	107	48	11.25	13.58
14-Dec-22	206	111	49	13.36	15.78
30-Dec-22	206	109	48	10.23	15.23
13-Jan-23	150	72	26	15.59	22.89
30-Jan-23	206	110	50	13.56	16.23
08-Feb-23	188	98	42	14.33	19.26
25-Feb-23	204	110	48	12.2	19.3
11-Mar-23	168	86	33	11.52	14.32
21-Mar-23	195	102	44	13.45	16.25
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	215	122	55	19.87	29.93
Minimum	124	69	26	10	14
Average	185.92	99.38	43.71	14.16	20.11
Standard (24 Hrs)	500	250		120	120

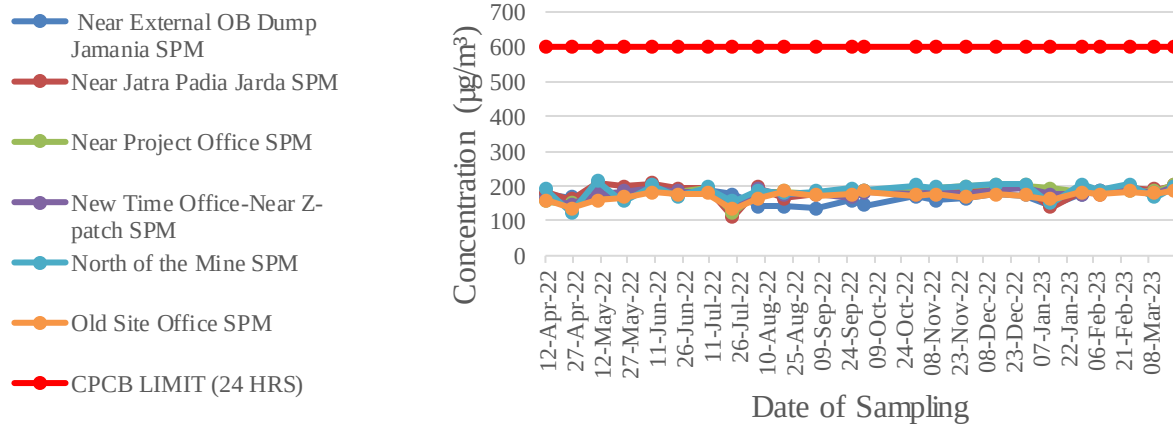
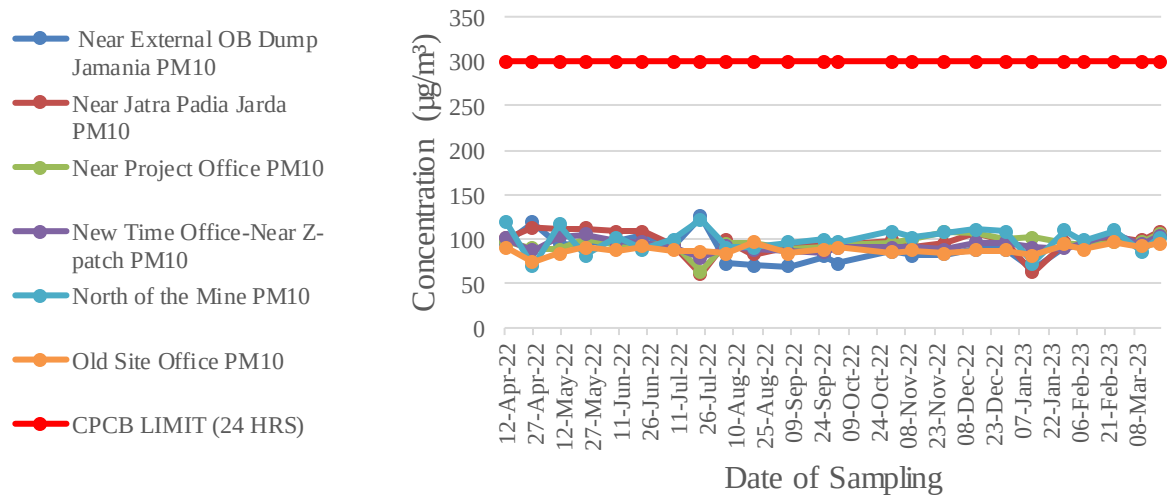
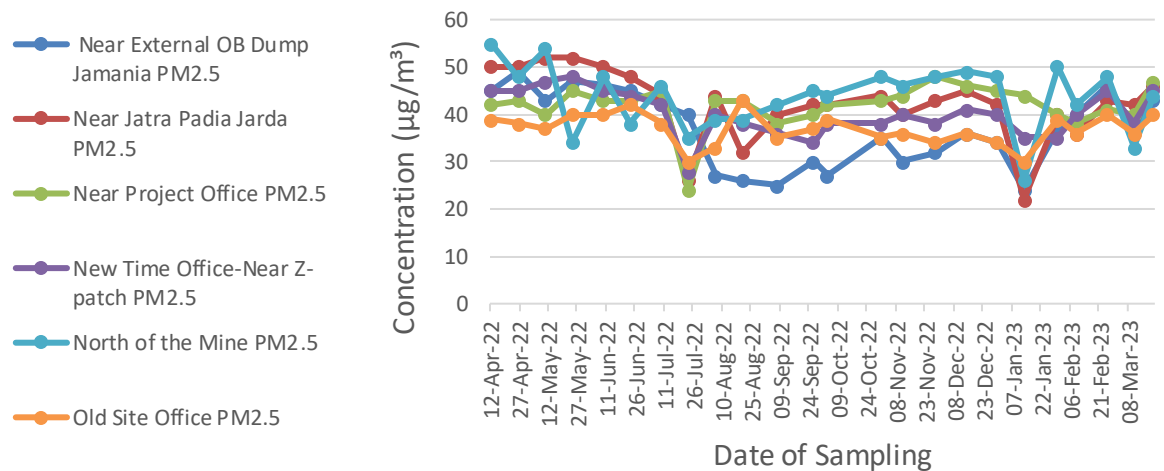
Table:25
Area: Kaniha
Project: Kaniha OCP
Monitoring Station: Old Site Office
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
11-Apr-22	159	91	39	22.18	22.68
25-Apr-22	137	74	38	13.65	18.94
09-May-22	158	84	37	13.89	29.38
23-May-22	166	90	40	13.69	20.25
08-Jun-22	182	87	40	14.38	19.4
22-Jun-22	177	92	42	14.51	21.53
07-Jul-22	178	87	38	14.52	16.34
21-Jul-22	133	86	30	10.9	13.51
04-Aug-22	164	84	33	15.69	17.05
18-Aug-22	185	96	43	11.22	15.22
07-Sep-22	172	84	35	15.04	21.72
24-Sep-22	175	88	37	16.04	23.17
01-Oct-22	184	91	39	15.21	22.68
31-Oct-22	172	85	35	14.38	19.4
11-Nov-22	175	87	36	17.99	15.45
28-Nov-22	168	84	34	20.56	16.22
14-Dec-22	177	87	36	13.02	18.89
30-Dec-22	172	87	34	12.36	15.26
13-Jan-23	162	82	30	17.76	26.23
30-Jan-23	182	94	39	12.56	18.56
08-Feb-23	176	88	36	15.56	12.26
22-Feb-23	186	96	40	16.56	12.56
11-Mar-23	178	92	36	10.52	16.54
21-Mar-23	187	95	40	13.22	15.23
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	187	96	43	22.18	29.38
Minimum	133	74	30	11	12
Average	171.04	87.96	36.96	14.81	18.69
Standard (24 Hrs)	500	250		120	120

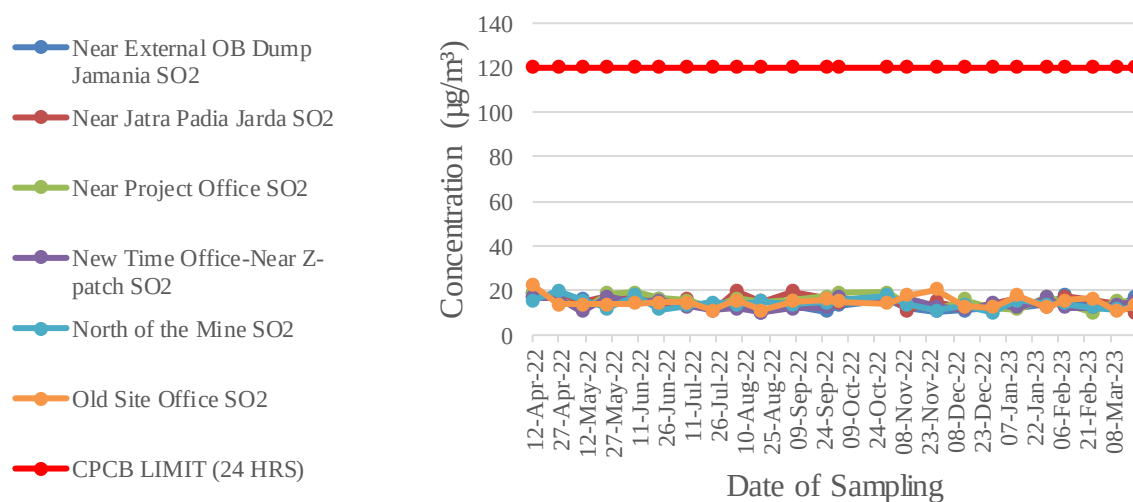
Table:26
Area: Kaniha
Project: Kaniha OCP
Monitoring Station: Project Office
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
11-Apr-22	155	97	42	19.06	23.72
25-Apr-22	151	89	43	16.54	27.56
09-May-22	166	88	40	11.32	18.82
23-May-22	170	99	45	18.56	25.44
08-Jun-22	189	94	43	18.92	20.42
22-Jun-22	181	94	43	16.26	17.34
07-Jul-22	193	96	45	15.36	19.32
21-Jul-22	122	64	24	12.02	16.26
04-Aug-22	186	95	43	16.39	17.14
18-Aug-22	185	95	43	15.22	15.32
06-Sep-22	178	88	38	15.66	21.83
23-Sep-22	180	90	40	17.52	24.42
01-Oct-22	185	94	42	19.06	23.72
31-Oct-22	188	95	43	18.92	20.42
11-Nov-22	193	99	44	14.32	17.25
28-Nov-22	198	108	48	11.45	13.22
14-Dec-22	204	107	46	15.79	22.07
30-Dec-22	201	101	45	12.23	19.32
13-Jan-23	193	102	44	11.32	15.39
30-Jan-23	185	95	40	17.45	15.56
08-Feb-23	183	93	38	14	17.32
22-Feb-23	188	96	41	10.23	16.56
10-Mar-23	185	96	40	15.54	15.65
20-Mar-23	204	106	47	14.25	15.12
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	204	108	48	19.06	27.56
Minimum	122	64	24	10	13
Average	181.79	95.04	41.96	15.31	19.13
Standard (24 Hrs)	500	250		120	120

Graph Showing SPM for Kaniha OCP

Graph Showing PM₁₀ for Kaniha OCPGraph Showing PM_{2.5} for Kaniha OCP

Graph Showing SO₂ for Kaniha OCP



Graph Showing NO_x for Kaniha OCP

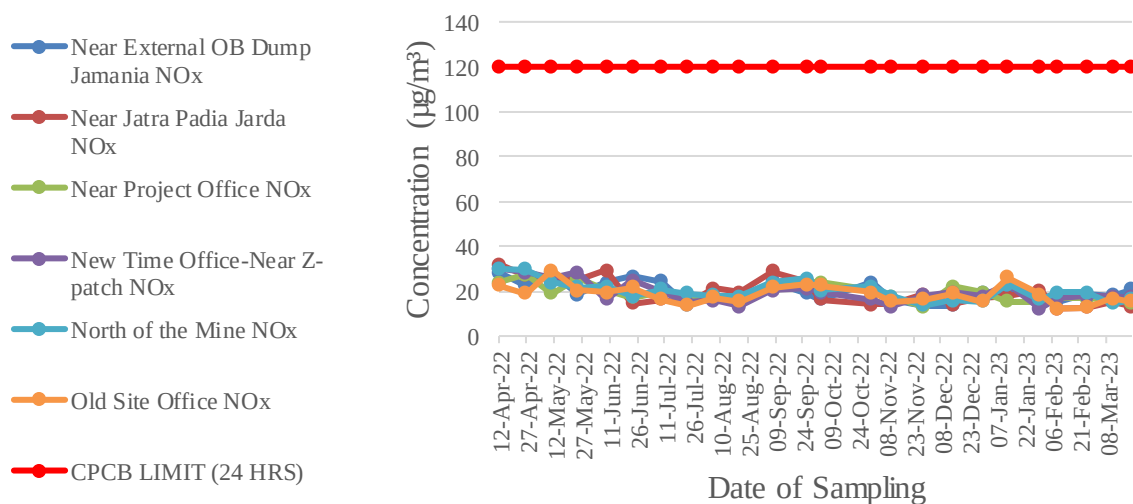


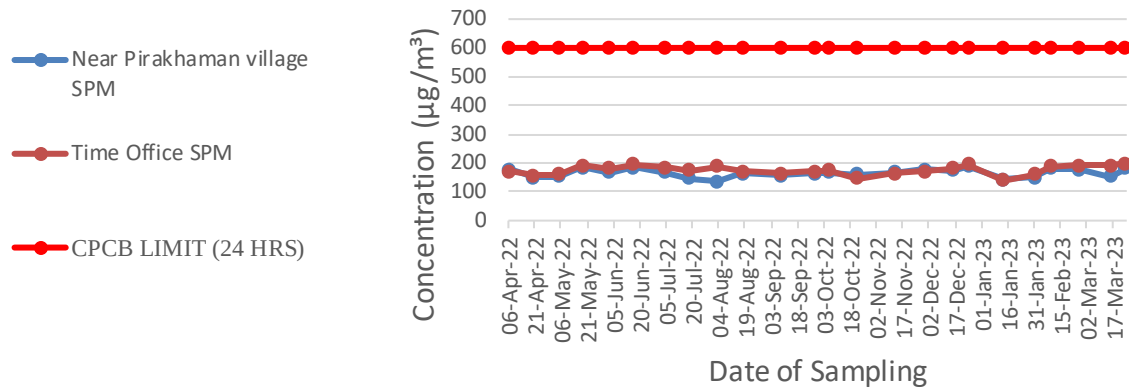
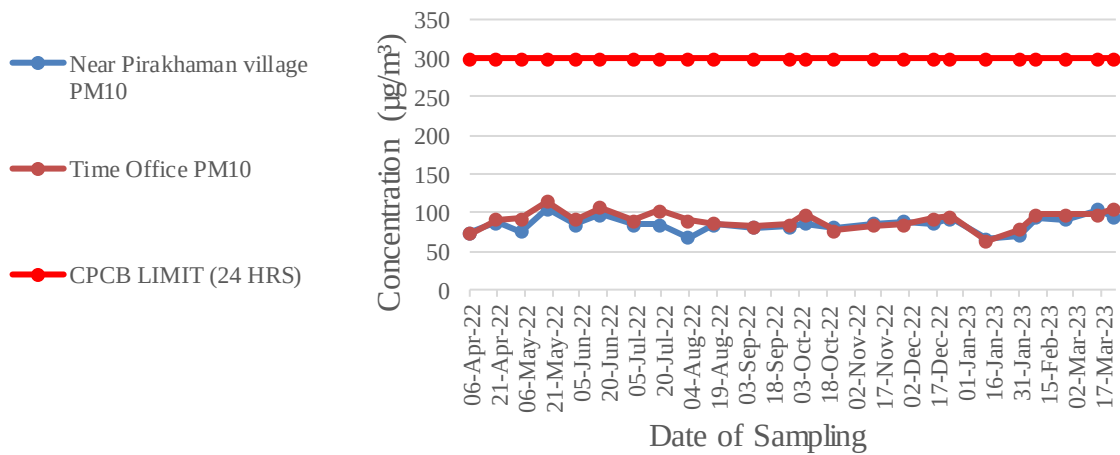
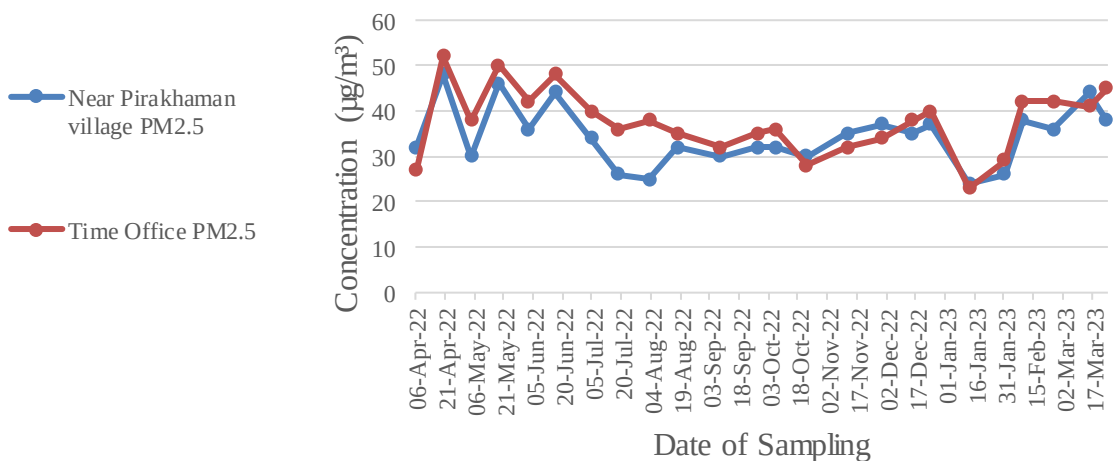
Table: 27
Area: Hingula
Project: Hingula OCP
Monitoring Station: Near Pirakhaman Village
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
06-Apr-22	176	74	32	20.99	28.54
20-Apr-22	151	87	48	20.14	28.31
04-May-22	152	75	30	12.55	18.68
18-May-22	186	105	46	16.00	22.21
02-Jun-22	166	85	36	12.03	16.22
16-Jun-22	185	98	44	19.62	24.07
04-Jul-22	166	84	34	17.86	22.60
18-Jul-22	146	84	26	9.83	13.87
03-Aug-22	137	67	25	9.51	13.43
17-Aug-22	164	84	32	10.52	16.33
08-Sep-22	158	80	30	9.61	17.99
27-Sep-22	164	82	32	9.60	17.97
06-Oct-22	166	86	32	14.52	17.52
22-Oct-22	162	81	30	12.03	16.22
12-Nov-22	166	86	35	10.25	16.23
29-Nov-22	176	88	37	13.26	18.88
15-Dec-22	175	86	35	12.45	23.15
24-Dec-22	188	92	37	14.23	18.77
13-Jan-23	143	66	24	15.96	22.44
31-Jan-23	150	70	26	12.65	15.55
09-Feb-23	180	94	38	11.55	15.33
25-Feb-23	177	91	36	13.52	16.56
15-Mar-23	154	104	44	17.58	12.56
24-Mar-23	180	93	38	13.26	18.22
Brief Statistics	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	188	105	48	20.99	28.54
Minimum	137	66	24	10	13
Average	165.33	85.08	34.46	13.73	18.82
Standard (24 Hrs)	500	250		120	120

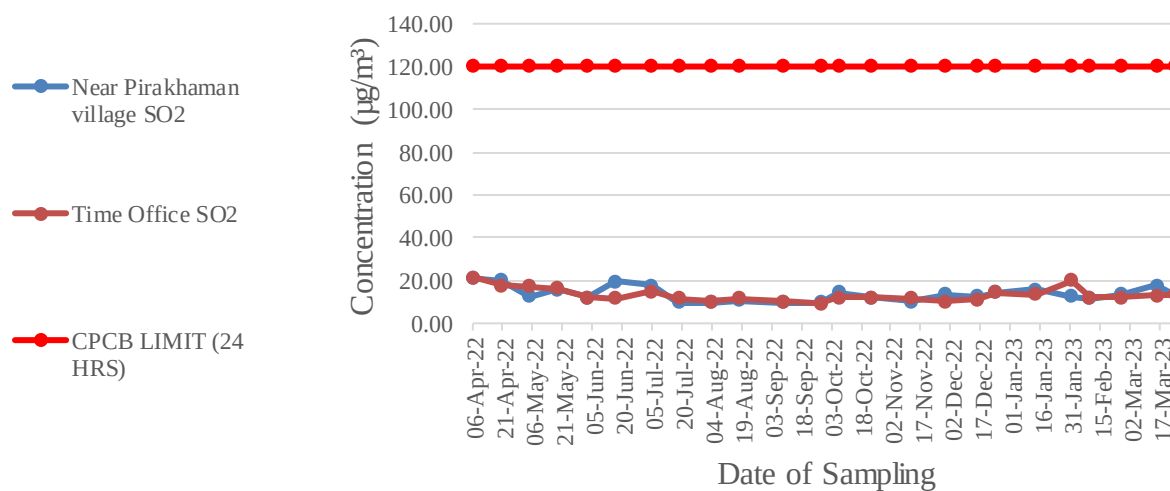
Table:28
Area: Hingula
Project: Hingula OCP
Monitoring Station: Time Office
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
06-Apr-22	172	73	27	21.58	26.89
20-Apr-22	157	91	52	17.46	23.74
04-May-22	160	92	38	17.24	21.67
18-May-22	192	114	50	16.13	23.57
02-Jun-22	181	91	42	12.27	16.28
16-Jun-22	195	106	48	11.38	13.91
04-Jul-22	183	89	40	15.11	18.55
18-Jul-22	175	102	36	11.53	14.77
03-Aug-22	187	89	38	10.26	12.74
17-Aug-22	172	86	35	11.52	14.25
08-Sep-22	164	82	32	10.22	17.01
27-Sep-22	170	85	35	9.32	15.57
06-Oct-22	174	97	36	12.22	14.52
21-Oct-22	148	76	28	12.27	16.28
12-Nov-22	164	83	32	11.54	14.25
29-Nov-22	169	85	34	10.25	12.52
15-Dec-22	182	92	38	11.32	15.39
24-Dec-22	194	95	40	14.56	20.12
14-Jan-23	139	63	23	13.58	23.45
31-Jan-23	159	78	29	20.23	14.52
09-Feb-23	189	97	42	12.26	17.55
25-Feb-23	190	97	42	12.25	18.56
11-Mar-23	192	97	41	13.22	17.54
24-Mar-23	199	105	45	13.52	15.26
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	199	114	52	21.58	26.89
Minimum	139	63	23	9	13
Average	175.29	90.21	37.63	13.39	17.45
Standard (24 Hrs)	500	250		120	120

Graph Showing SPM for Hingula OCP

Graph Showing PM₁₀ for Hingula OCPGraph Showing PM_{2.5} for Hingula OCP

Graph Showing SO₂ for Hingula OCP



Graph Showing NO_x for Hingula OCP

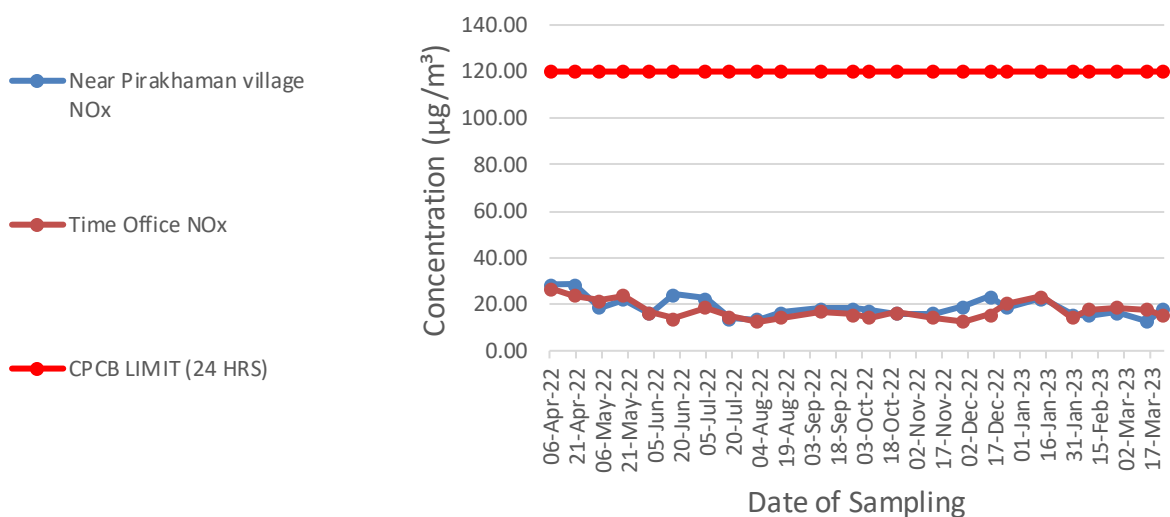


Table: 29
Area: Hingula
Project: Balram OCP
Monitoring Station: Near Project Office
All values are in $\mu\text{g}/\text{m}^3$

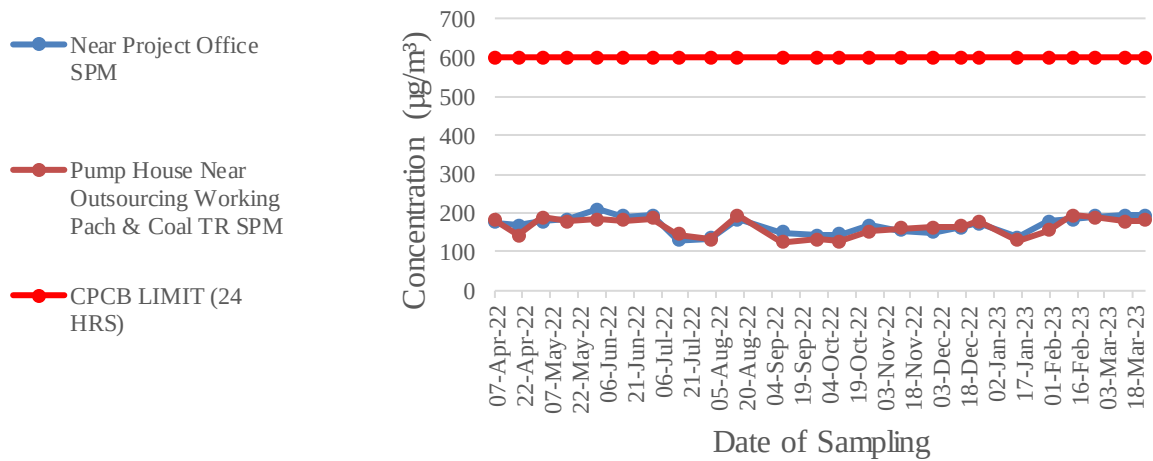
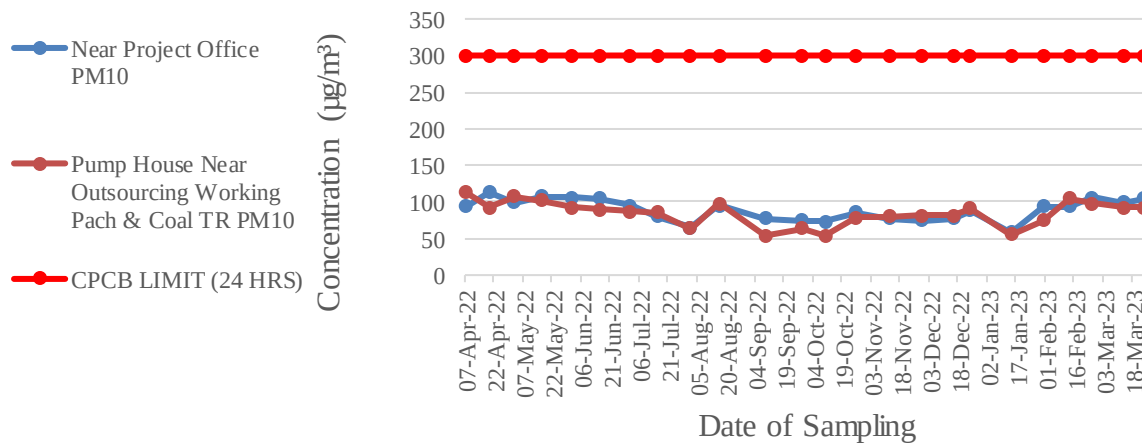
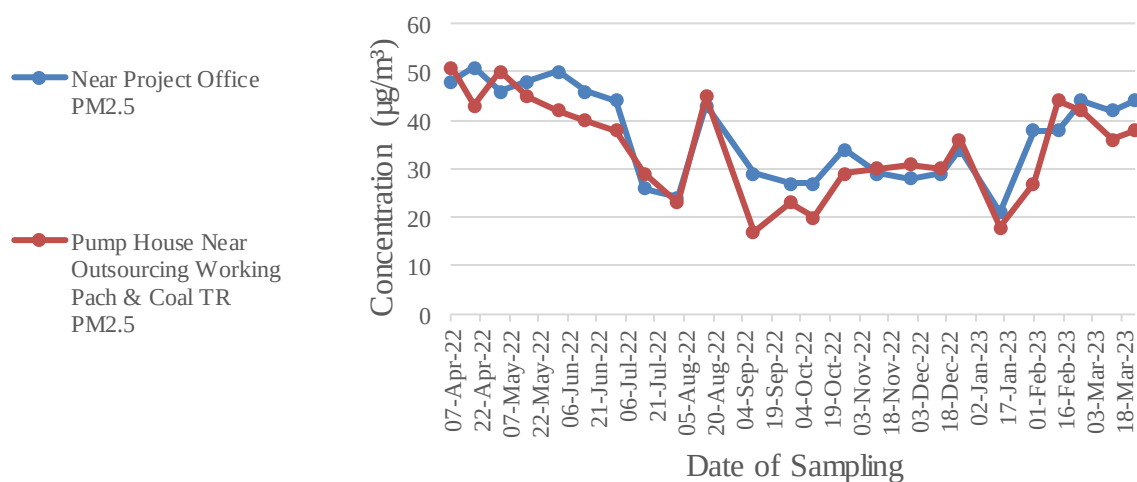
Date of Sampling	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
07-Apr-22	175	94	48	12.48	26.92
19-Apr-22	167	113	51	19.31	26.07
02-May-22	178	99	46	18.48	17.88
16-May-22	184	108	48	14.00	17.50
01-Jun-22	210	106	50	10.33	13.08
15-Jun-22	190	105	46	14.87	17.82
01-Jul-22	194	95	44	11.45	15.46
15-Jul-22	129	80	26	10.29	13.99
01-Aug-22	134	65	24	10.84	14.25
16-Aug-22	184	95	43	13.23	17.52
09-Sep-22	151	77	29	10.80	18.90
28-Sep-22	143	74	27	9.74	17.04
10-Oct-22	144	73	27	12.48	16.52
26-Oct-22	168	86	34	22.30	14.22
12-Nov-22	154	77	29	15.45	20.21
29-Nov-22	149	75	28	12.23	16.23
15-Dec-22	163	77	29	16.87	22.65
24-Dec-22	173	88	34	13.52	19.20
14-Jan-23	136	58	21	9.53	15.64
31-Jan-23	179	94	38	14.20	17.52
13-Feb-23	182	94	38	11.89	13.65
25-Feb-23	192	106	44	15.88	19.26
13-Mar-23	193	99	42	17.85	15.85
24-Mar-23	194	105	44	13.23	17.52
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	210	113	51	22.3	26.92
Minimum	129	58	21	10	13
Average	169.42	89.29	37.08	13.80	17.70
Standard (24 Hrs)	500	250		120	120

Table: 30

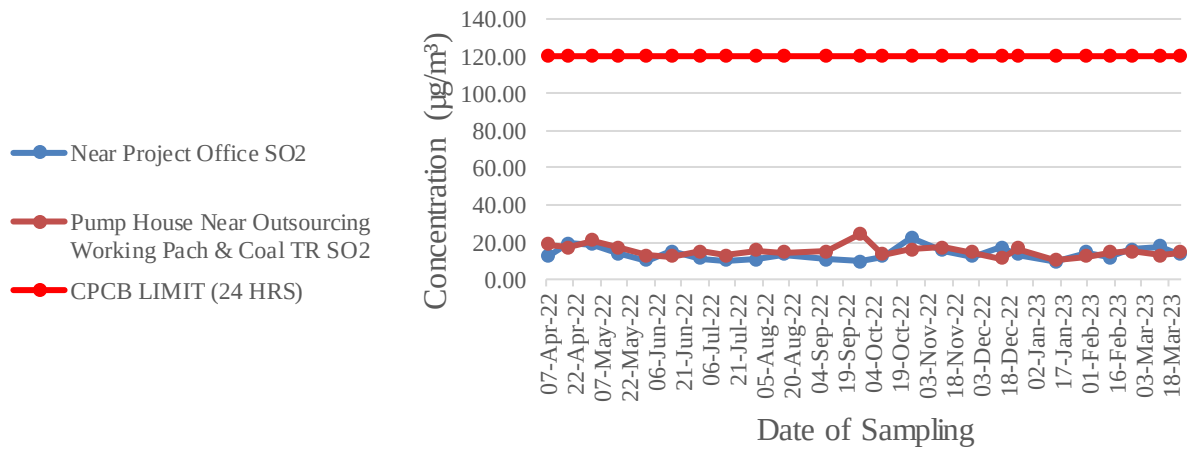
Area: Hingula**Project:** Balram OCP**Monitoring Station:** Pump House near Outsourcing Working Pach & Coal TR*All values are in $\mu\text{g}/\text{m}^3$*

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
07-Apr-22	180	113	51	18.57	25.15
19-Apr-22	143	93	43	17.06	25.08
02-May-22	188	108	50	21.10	25.79
16-May-22	178	102	45	17.27	24.56
01-Jun-22	184	92	42	12.80	17.50
15-Jun-22	180	90	40	12.27	14.06
01-Jul-22	186	87	38	14.97	16.30
15-Jul-22	145	86	29	12.95	16.26
01-Aug-22	132	63	23	15.65	17.59
16-Aug-22	194	98	45	14.23	20.22
09-Sep-22	124	54	17	15.14	22.72
28-Sep-22	133	63	23	24.57	36.88
11-Oct-22	127	54	20	13.25	16.52
27-Oct-22	153	79	29	16.13	23.57
12-Nov-22	160	80	30	16.88	18.75
29-Nov-22	162	82	31	14.58	17.55
15-Dec-22	165	81	30	11.33	18.59
24-Dec-22	178	91	36	16.53	14.26
14-Jan-23	130	56	18	10.30	12.07
31-Jan-23	154	75	27	12.52	18.52
13-Feb-23	193	104	44	14.56	17.81
25-Feb-23	188	98	42	14.78	18.00
13-Mar-23	178	92	36	12.54	14.56
24-Mar-23	181	93	38	14.23	20.22
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	194	113	51	24.57	36.88
Minimum	124	54	17	10	12
Average	164.00	84.75	34.46	15.18	19.69
Standard (24 Hrs)	500	250		120	120

Graph Showing SPM for Balaram OCP

Graph Showing PM₁₀ for Balaram OCPGraph Showing PM_{2.5} for Balaram OCP

Graph Showing SO₂ for Balaram OCP



Graph Showing NO_x for Balaram OCP

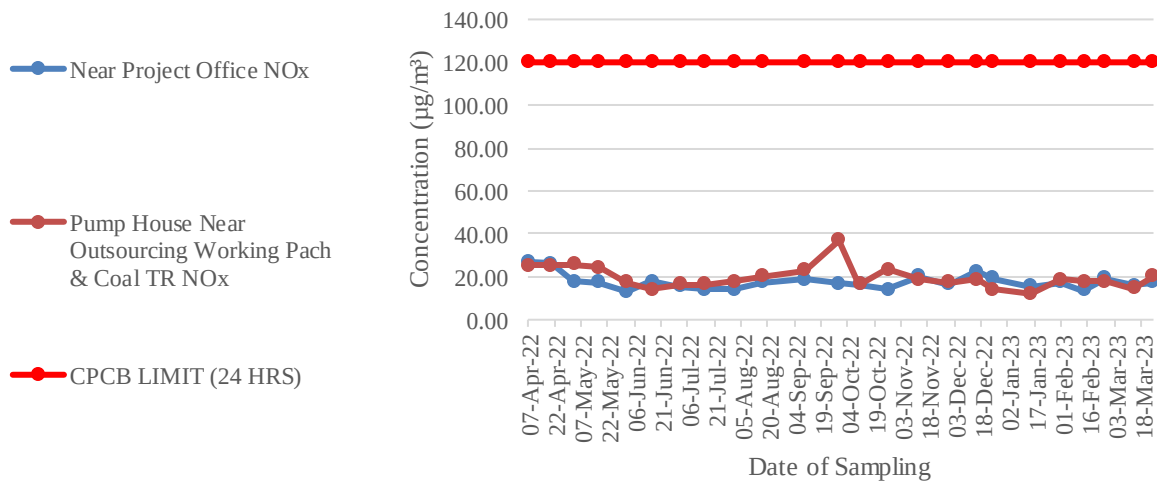


Table:31
Area: Talcher
Project: Talcher Colliery
Monitoring Station: Near Canteen Talcher Colliery
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
05-Apr-22	195	113	52	11.37	21.09
18-Apr-22	204	138	48	15.47	22.45
03-May-22	216	120	54	12.74	16.13
17-May-22	174	95	43	12.33	18.33
01-Jun-22	198	99	48	10.87	12.51
15-Jun-22	192	106	46	13.49	19.06
01-Jul-22	206	112	50	13.61	16.34
15-Jul-22	149	70	24	12.19	15.41
13-Aug-22	192	94	42	9.75	11.37
18-Aug-22	192	98	44	11.52	15.23
13-Sep-22	194	98	44	9.78	15.63
28-Sep-22	196	105	46	11.42	18.25
08-Oct-22	149	75	28	11.37	15.23
19-Oct-22	204	106	48	10.87	12.51
12-Nov-22	163	83	32	16.23	14.75
29-Nov-22	170	85	34	10.25	13.26
15-Dec-22	177	87	36	11.69	13.7
24-Dec-22	192	94	39	15.1	20.2
14-Jan-23	156	76	28	12.83	17.55
31-Jan-23	188	98	42	16.55	15.65
13-Feb-23	196	106	45	10.23	14.75
27-Feb-23	190	103	44	15.57	19.56
13-Mar-23	208	110	48	12.26	15.87
25-Mar-23	205	109	47	16.31	21.15
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	216	138	54	16.55	22.45
Minimum	149	70	24	10	11
Average	187.75	99.17	42.17	12.66	16.50
Standard (24 Hrs)	500	250		120	120

Table:32
Area: Talcher
Project: Talcher Colliery
Monitoring Station: Officer Club, Talcher Area
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
05-Apr-22	180	105	46	13.72	24.78
18-Apr-22	187	123	44	16.32	27.56
03-May-22	175	98	45	12.09	18.41
17-May-22	169	92	41	10.22	17.35
01-Jun-22	162	83	34	14.52	17.24
15-Jun-22	178	88	39	11.51	17.12
01-Jul-22	170	86	36	13.25	18.26
15-Jul-22	178	88	30	11.46	15.33
13-Aug-22	165	84	33	11.2	12.07
18-Aug-22	166	84	33	13.22	16.25
13-Sep-22	172	83	35	10.99	16.17
29-Sep-22	168	84	34	25.72	37.84
08-Oct-22	178	88	37	10.52	16.23
19-Oct-22	172	87	36	14.52	17.24
12-Nov-22	168	86	35	12.45	16.78
29-Nov-22	179	89	38	15.26	18.55
15-Dec-22	186	94	40	16.43	17.62
24-Dec-22	197	97	42	13.25	19.23
14-Jan-23	144	66	24	13.49	18.51
31-Jan-23	198	104	46	11.88	17.87
13-Feb-23	182	94	38	11.26	13.84
27-Feb-23	170	88	34	12.56	14.23
13-Mar-23	194	98	42	15.89	12.56
25-Mar-23	182	94	38	9.45	20.46
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	198	123	46	25.72	37.84
Minimum	144	66	24	9	12
Average	175.83	90.96	37.50	13.38	18.40
Standard (24 Hrs)	500	250		120	120

Table:33
Area: Talcher
Project: Nandira Colliery
Monitoring Station: Project Office
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
07-Apr-22	175	102	45	16.31	24.83
18-Apr-22	195	126	47	16.87	26.54
12-May-22	171	94	43	12.73	18.93
26-May-22	179	97	45	13.4	17.88
08-Jun-22	180	89	40	13.35	14.69
22-Jun-22	182	95	43	13.55	17.87
07-Jul-22	184	93	42	11.09	14.03
21-Jul-22	170	109	40	12.11	15.3
04-Aug-22	186	103	44	14.55	15.74
18-Aug-22	196	100	45	11.22	16.22
14-Sep-22	190	94	42	13.98	20.18
29-Sep-22	184	96	40	13.38	19.32
08-Oct-22	184	98	44	14.25	16.23
20-Oct-22	177	90	38	13.35	14.69
15-Nov-22	202	101	46	10.45	13.25
30-Nov-22	194	100	45	11.25	14.23
08-Dec-22	208	108	47	13.24	18.38
23-Dec-22	201	101	45	10.56	17.58
02-Jan-23	137	60	22	10.06	14.86
23-Jan-23	152	73	26	10.45	13.52
13-Feb-23	177	91	36	15.32	16.95
27-Feb-23	185	95	40	15.56	17.85
13-Mar-23	198	102	44	17.58	16.58
25-Mar-23	188	98	42	10.32	16.89
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	208	126	47	17.58	26.54
Minimum	137	60	22	10	13
Average	183.13	96.46	41.29	13.12	17.19
Standard (24 Hrs)	500	250		120	120

Table:34
Area: Talcher
Project: Nandira Colliery
Monitoring Station: Sub Station
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
07-Apr-22	171	97	43	20.39	34.72
18-Apr-22	201	129	46	15.64	24.15
12-May-22	173	96	44	14	21.12
26-May-22	183	106	48	15.35	26.34
08-Jun-22	182	93	42	10.27	11.83
22-Jun-22	168	86	36	12.57	15.48
07-Jul-22	180	90	40	12.57	15.58
21-Jul-22	184	112	45	14.85	15.22
04-Aug-22	190	105	46	12.1	16.55
18-Aug-22	186	92	42	10.22	14.55
14-Sep-22	192	95	43	11.91	21.37
29-Sep-22	192	102	45	12.62	22.65
08-Oct-22	195	102	46	12.25	16.23
20-Oct-22	185	94	42	10.27	11.83
15-Nov-22	206	105	48	13.56	16.45
30-Nov-22	198	104	47	12.88	19.23
08-Dec-22	210	114	50	11.02	19.46
23-Dec-22	207	109	48	14.56	20.78
02-Jan-23	146	69	25	10.16	20.18
23-Jan-23	161	80	29	12.56	18.56
13-Feb-23	184	96	39	14.1	14.56
27-Feb-23	189	98	42	14.52	20.21
13-Mar-23	205	108	47	12.58	14.33
25-Mar-23	198	106	45	13.21	18.25
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	210	129	50	20.39	34.72
Minimum	146	69	25	10	12
Average	186.92	99.50	42.83	13.09	18.73
Standard (24 Hrs)	500	250		120	120
Standard (Annual)				80	80

Table: 35
Area: Talcher
Project: Deulbera Colliery
Monitoring Station: IWSS, Talcher (Reported Only)
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
07-Apr-22	165	91	40	11.13	29.61
21-Apr-22	153	105	47	20.31	27.69
05-May-22	166	84	42	13.83	27.67
19-May-22	174	98	45	13.36	17.36
07-Jun-22	172	86	38	10.93	11.22
21-Jun-22	178	91	42	15.69	20.29
06-Jul-22	182	91	40	14.62	15.41
20-Jul-22	140	86	31	11.49	13.17
08-Aug-22	174	90	38	14.44	16.57
22-Aug-22	182	92	41	13.22	17.25
05-Sep-22	183	92	40	14.05	21.57
22-Sep-22	186	96	40	12.16	18.67
03-Oct-22	188	97	44	11.13	15.78
18-Oct-22	198	108	47	17.37	20.02
14-Nov-22	186	94	42	14.25	19.58
22-Nov-22	196	98	45	10.25	16.28
07-Dec-22	205	109	48	11.2	19.35
22-Dec-22	192	95	40	12.52	17.56
07-Jan-23	138	60	22	16.33	17.52
21-Jan-23	193	103	44	12.52	20.21
08-Feb-23	176	92	36	11.2	18.52
22-Feb-23	179	93	38	12.26	17.88
09-Mar-23	182	94	38	14.74	19.56
20-Mar-23	186	95	40	12.52	15.22
Brief Statistics	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Maximum	205	109	48	20.31	29.61
Minimum	138	60	22	10	11
Average	178.08	93.33	40.33	13.40	18.92
Standard (24 Hrs)	500	250		120	120

Table:36
Area: Talcher
Project: Handidhua Colliery
Monitoring Station: Manager's Office
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
05-Apr-22	152	71	45	15.44	28.83
19-Apr-22	183	120	48	11.05	20.16
02-May-22	180	110	47	13.09	23.63
16-May-22	178	104	45	13.87	24.34
01-Jun-22	168	88	37	10.81	12.44
15-Jun-22	186	98	44	12.24	16.29
01-Jul-22	176	88	38	11.27	16.3
15-Jul-22	177	119	44	13.53	14.54
01-Aug-22	170	88	37	16.13	19.9
16-Aug-22	144	72	27	14.22	16.22
14-Sep-22	166	82	33	15.73	25.7
30-Sep-22	174	86	36	16.63	27.18
08-Oct-22	180	90	38	10.23	13.25
24-Oct-22	180	91	39	18.63	22.25
15-Nov-22	184	90	40	18.56	21.23
30-Nov-22	176	88	37	14.55	16.89
08-Dec-22	176	86	35	12.28	20.15
23-Dec-22	189	94	38	13.23	20.26
03-Jan-23	178	91	36	12.26	17.38
23-Jan-23	185	96	40	15.56	18.55
14-Feb-23	174	90	35	11.23	10.2
28-Feb-23	179	93	37	10.52	14.74
13-Mar-23	178	93	36	11.44	16.84
29-Mar-23	186	90	40	12.45	18.78
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	189	120	48	18.63	28.83
Minimum	144	71	27	10	10
Average	175.79	92.42	38.83	13.54	19.00
Standard (24 Hrs)	500	250		120	120

Table:37

Area: Talcher**Project:** Kakudi & Kishoripal sand mine**Monitoring Station:** Near Kishoripal Village*All values are in $\mu\text{g}/\text{m}^3$*

Date of Sampling	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
09-Apr-22	138	70	31	25.78	32.17
21-Apr-22	157	95	35	15.45	19.78
05-May-22	141	70	29	18.26	20.2
19-May-22	158	86	38	12.34	16.98
04-Jun-22	155	78	30	10.79	12.43
18-Jun-22	166	85	36	10.1	17.03
02-Jul-22	166	84	34	10.54	17.31
16-Jul-22	123	83	28	10.81	17.21
13-Aug-22	134	64	23	13.9	15.72
22-Aug-22	130	60	21	12.94	14.23
15-Sep-22	136	85	24	13.36	20.02
30-Sep-22	145	73	27	13.99	20.97
07-Oct-22	155	78	29	10.23	15.23
24-Oct-22	147	75	28	20.83	16.32
15-Nov-22	166	83	32	15.32	19.32
30-Nov-22	172	86	35	12.83	15.95
08-Dec-22	184	94	39	14.54	21.94
23-Dec-22	196	95	40	17.26	20.52
09-Jan-23	164	84	32	10.23	14.56
23-Jan-23	178	93	38	15.88	17.56
15-Feb-23	178	86	37	13.33	17.23
28-Feb-23	174	91	35	12.26	18.56
04-Mar-23	195	99	43	12.52	15.54
29-Mar-23	184	94	39	16.31	28.94
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	196	99	43	25.78	32.17
Minimum	123	60	21	10	12
Average	160.08	82.96	32.63	14.16	18.57
Standard (24 Hrs)	500	250		120	120

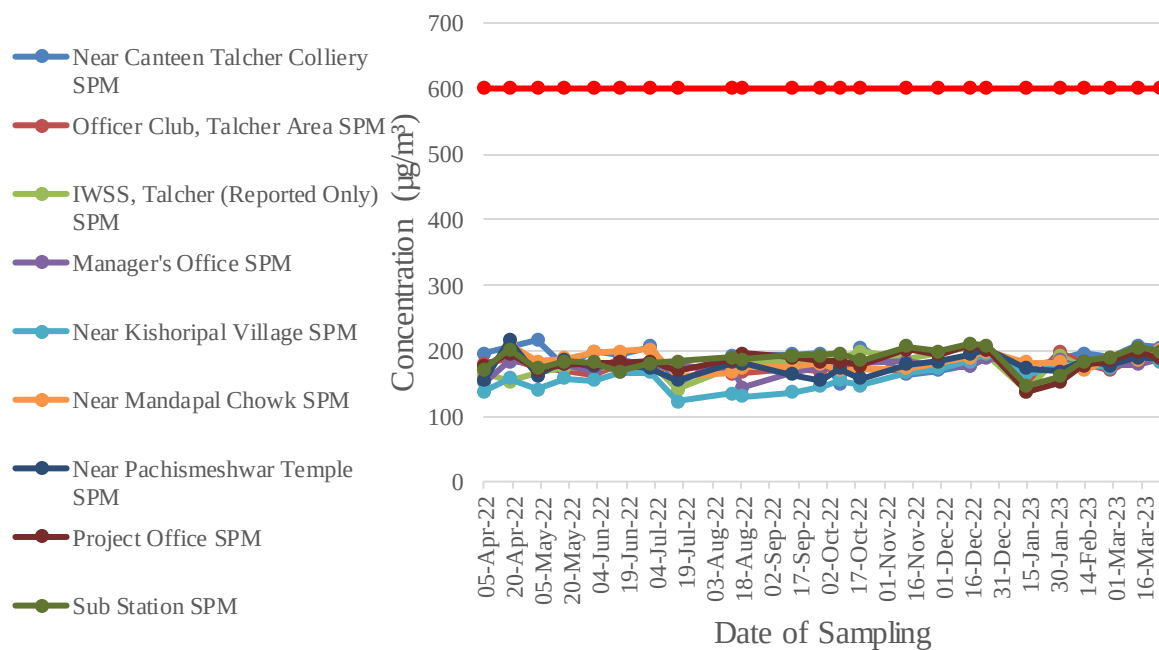
Table:38
Area: Talcher
Project: Mandapal Sand Mine
Monitoring Station: Near Pachismeshwar Temple
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
09-Apr-22	155	85	46	27.48	39.23
21-Apr-22	216	148	45	17.45	28.24
05-May-22	162	82	38	22.21	29.36
19-May-22	185	108	48	16.33	20.78
04-Jun-22	176	87	39	17.37	26.51
18-Jun-22	180	92	42	17.19	25.75
02-Jul-22	172	85	36	14.49	22.23
16-Jul-22	154	109	37	13.96	14.71
02-Aug-22	182	94	42	15.11	17.75
22-Aug-22	180	94	40	13.78	16.67
15-Sep-22	164	81	32	17.73	23.11
30-Sep-22	154	77	29	17.69	27.76
08-Oct-22	172	86	35	20.23	16.25
24-Oct-22	158	80	30	16.53	20.21
15-Nov-22	179	89	38	12.98	15.87
30-Nov-22	184	92	40	16.36	19.78
08-Dec-22	194	102	44	11.52	16.43
23-Dec-22	202	101	45	13.88	19.45
09-Jan-23	173	88	34	13.52	17.88
23-Jan-23	168	84	33	12.56	18.44
15-Feb-23	183	94	39	14.23	15.56
28-Feb-23	177	94	37	18.56	14.56
03-Mar-23	190	97	41	13.88	17.21
29-Mar-23	188	97	41	11.05	20.16
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	216	148	48	27.48	39.23
Minimum	154	77	29	11	15
Average	177.00	93.58	38.79	16.09	21.00
Standard (24 Hrs)	500	250		120	120

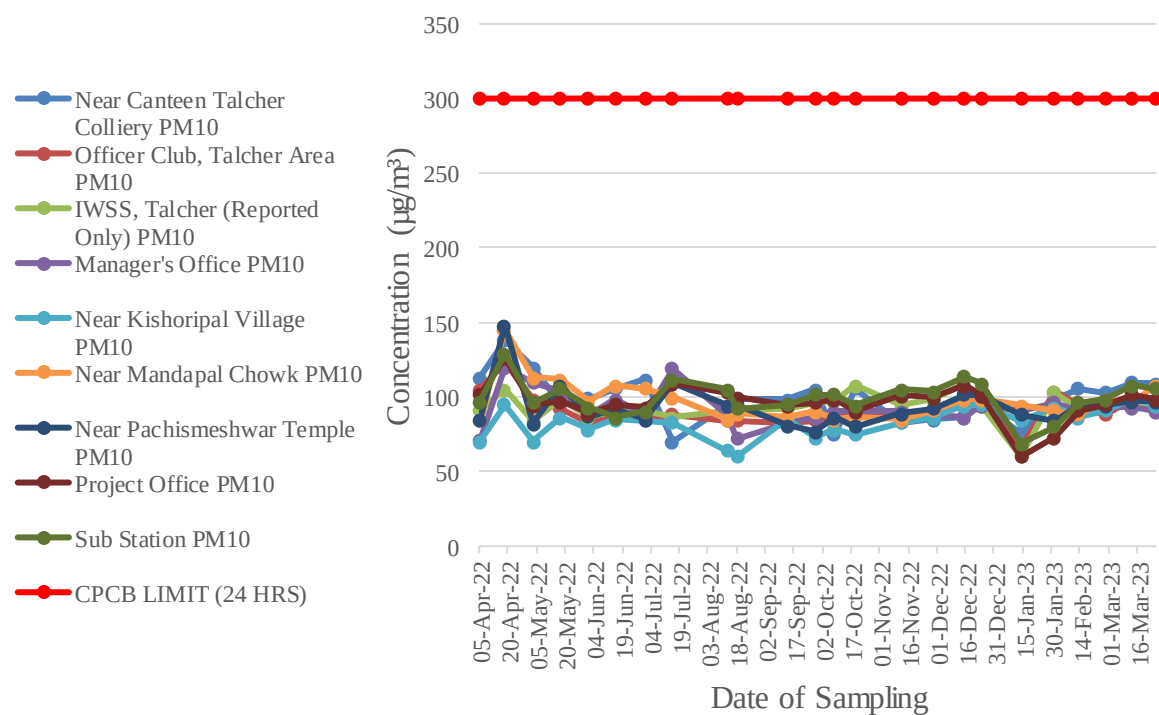
Table:39
Area: Talcher
Project: Mandapal Sand Mine
Monitoring Station: Near Mandapal Chowk
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
09-Apr-22	161	84	47	21.81	29.65
28-Apr-22	210	145	52	16.31	28.94
05-May-22	184	113	49	15.23	30.83
19-May-22	188	112	50	17.45	22.56
04-Jun-22	197	97	47	19.53	24.88
18-Jun-22	198	108	48	16.21	27.32
02-Jul-22	202	106	48	13.34	19.82
16-Jul-22	161	100	40	15.76	18.67
02-Aug-22	166	85	35	10.71	13.29
22-Aug-22	174	89	38	12.36	15.63
15-Sep-22	174	87	36	10.67	17.82
30-Sep-22	181	90	39	14.55	24.29
08-Oct-22	170	85	34	11.25	14.23
24-Oct-22	172	87	36	13.83	27.67
15-Nov-22	173	85	35	16.23	13.55
30-Nov-22	182	91	39	15.87	20.22
08-Dec-22	190	98	42	11.33	15.05
23-Dec-22	198	98	43	15.53	17.23
03-Jan-23	182	94	38	14.36	16.88
23-Jan-23	182	91	36	15.84	20.56
14-Feb-23	170	88	34	13.26	15.52
28-Feb-23	188	98	42	12.56	16.56
09-Mar-23	186	96	40	10.1	13.54
29-Mar-23	202	108	46	15.45	19.47
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	210	145	52	21.81	30.83
Minimum	161	84	34	10	13
Average	182.96	97.29	41.42	14.56	20.17
Standard (24 Hrs)	500	250		120	120

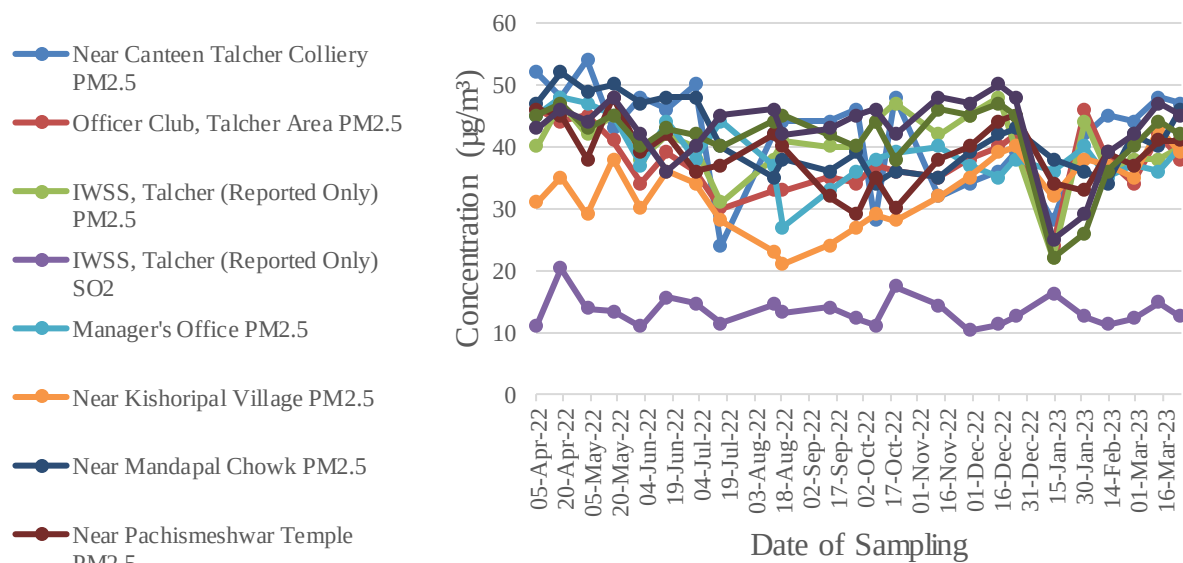
Graph Showing SPM for Talcher Area



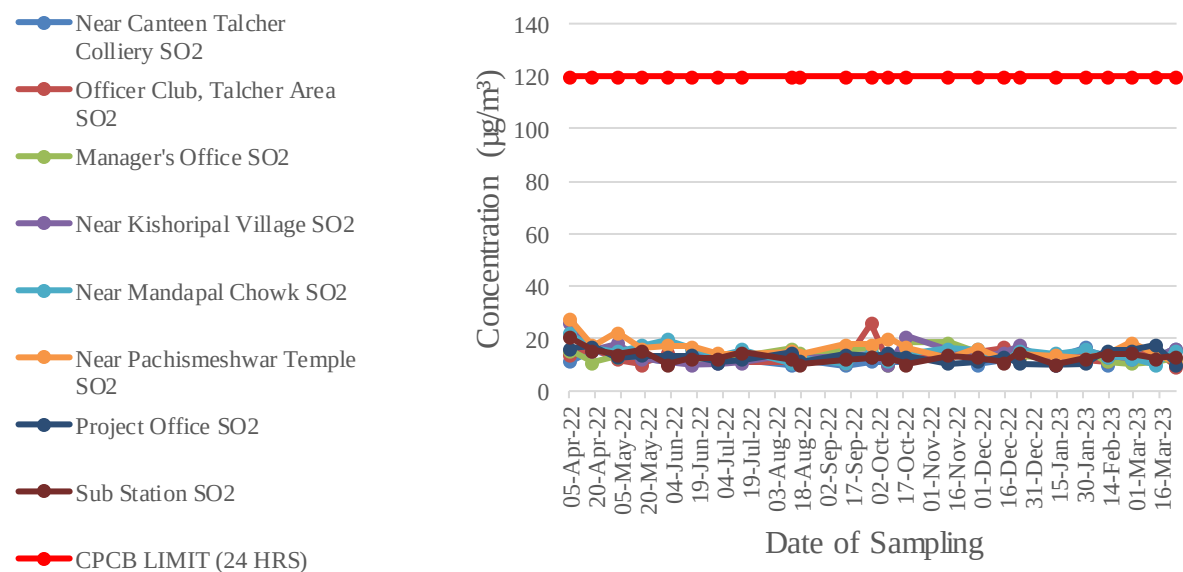
Graph Showing PM₁₀ for Talcher Area



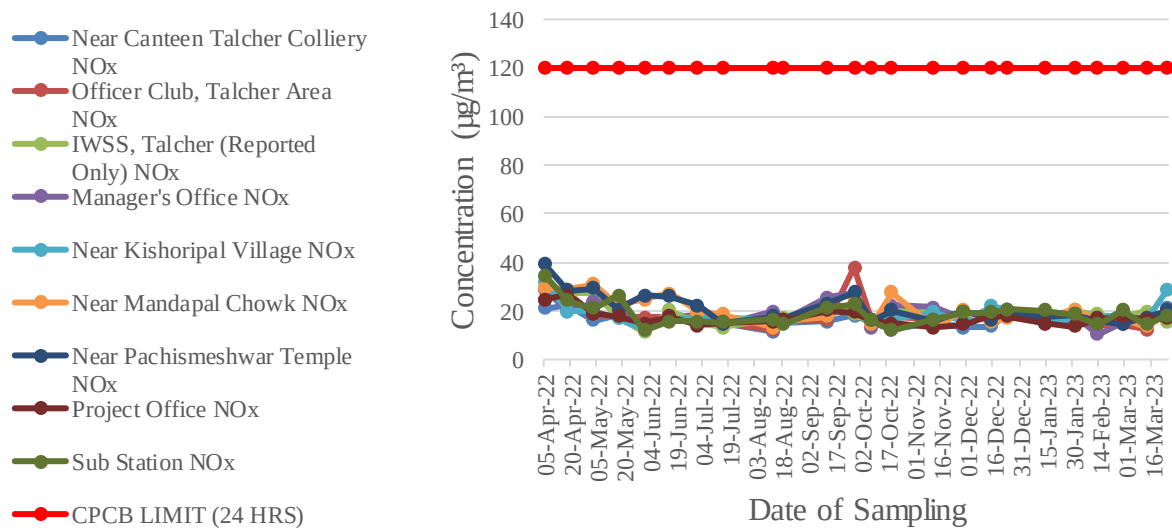
Graph Showing PM_{2.5} for Talcher Area



Graph Showing SO₂ for Talcher Area



Graph Showing NO_x for Talcher Area



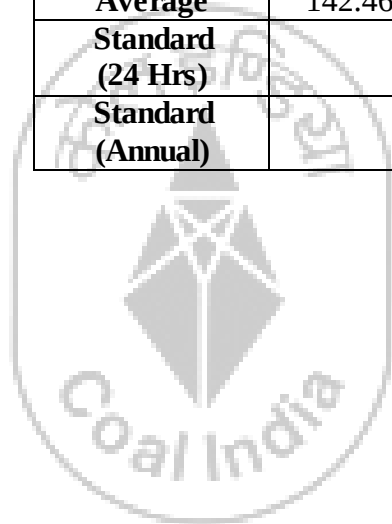
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Table:40
Area: Jagannath
Project: Jagannath OCP
Monitoring Station: CWS Colony, Meeti
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
06-Apr-22	146	65	25	27.63	20.90
07-Apr-22	150	72	29	25.65	35.87
11-Apr-22	133	63	26	20.86	24.08
12-Apr-22	149	77	30	17.49	24.46
18-Apr-22	133	80	29	11.56	18.68
19-Apr-22	139	85	31	10.27	17.26
25-Apr-22	135	82	28	15.54	22.14
26-Apr-22	131	77	30	12.25	18.98
02-May-22	148	70	28	17.31	28.83
03-May-22	140	68	26	10.07	17.86
09-May-22	142	69	27	11.70	20.88
10-May-22	146	72	29	11.01	22.13
16-May-22	148	84	29	13.56	20.53
17-May-22	152	82	30	12.23	18.66
23-May-22	144	80	28	14.23	22.89
24-May-22	142	76	27	13.25	20.26
06-Jun-22	140	66	25	14.67	16.75
07-Jun-22	136	64	24	14.82	16.19
13-Jun-22	142	69	26	16.75	19.88
14-Jun-22	133	61	23	18.61	24.55
20-Jun-22	140	68	26	17.38	19.93
21-Jun-22	142	70	27	14.30	18.04
27-Jun-22	146	42	28	12.11	13.06
28-Jun-22	136	66	25	10.83	18.40
04-Jul-22	132	62	22	11.60	15.67
05-Jul-22	128	58	20	13.95	16.30
11-Jul-22	130	60	21	14.04	17.09
12-Jul-22	134	64	23	12.81	14.70
18-Jul-22	136	75	22	15.83	17.25
19-Jul-22	128	84	28	9.55	10.95
25-Jul-22	148	80	26	12.31	15.46
26-Jul-22	135	69	24	11.27	12.55
02-Aug-22	168	86	36	14.96	15.77
03-Aug-22	138	67	25	14.41	17.71
09-Aug-22	136	64	24	10.51	13.69
10-Aug-22	166	84	35	13.14	16.18
23-Aug-22	148	74	28	15.22	19.23
24-Aug-22	144	72	27	10.02	12.52
29-Aug-22	138	68	25	11.25	15.26
30-Aug-22	134	64	24	12.52	14.22
01-Sep-22	152	78	29	12.71	20.61

02-Sep-22	148	75	28	14.40	20.37
09-Sep-22	142	70	26	13.85	22.29
10-Sep-22	136	64	24	10.35	17.82
16-Sep-22	152	78	29	16.96	27.50
17-Sep-22	143	73	27	16.96	23.99
23-Sep-22	136	66	24	14.68	23.64
24-Sep-22	134	63	23	10.34	17.80
03-Oct-22	144	73	27	14.22	20.90
04-Oct-22	140	70	26	25.65	35.87
10-Oct-22	134	65	24	20.86	24.08
11-Oct-22	132	59	22	17.49	24.46
17-Oct-22	134	66	24	10.74	12.37
18-Oct-22	132	60	22	12.44	14.77
26-Oct-22	130	58	21	11.77	16.30
27-Oct-22	142	71	26	16.65	19.77
01-Nov-22	148	75	28	13.46	18.28
02-Nov-22	142	68	25	16.97	14.54
07-Nov-22	132	63	22	10.56	12.58
08-Nov-22	130	60	21	15.75	13.52
16-Nov-22	154	78	29	15.88	16.32
17-Nov-22	142	72	26	13.22	17.56
23-Nov-22	132	61	21	15.23	18.25
24-Nov-22	134	64	23	13.84	15.23
01-Dec-22	158	76	28	12.67	18.38
02-Dec-22	145	68	25	12.58	17.33
08-Dec-22	137	63	22	13.15	18.81
09-Dec-22	148	72	26	10.26	18.26
15-Dec-22	148	73	26	10.52	16.52
16-Dec-22	138	64	22	16.32	20.88
22-Dec-22	143	66	24	15.88	21.26
23-Dec-22	135	60	20	12.26	14.25
29-Dec-22	144	67	24	13.64	16.32
30-Dec-22	156	76	28	14.36	14.69
02-Jan-23	143	66	24	14.33	17.27
03-Jan-23	138	60	22	14.57	20.36
04-Jan-23	136	58	21	12.02	18.89
05-Jan-23	150	71	26	10.16	14.91
17-Jan-23	152	72	26	16.56	20.25
18-Jan-23	136	62	20	10.52	15.56
23-Jan-23	142	64	23	12.26	17.56
24-Jan-23	156	75	28	16.20	19.23
29-Jan-23	156	76	28	11.60	12.41
30-Jan-23	145	65	25	12.35	17.52
01-Feb-23	137	63	22	13.56	17.22
02-Feb-23	150	72	26	14.75	16.88
06-Feb-23	144	66	24	17.52	19.56
07-Feb-23	165	84	32	13.25	21.23
10-Feb-23	141	76	23	16.23	14.52
11-Feb-23	154	75	27	14.23	15.78

16-Feb-23	146	68	25	16.52	17.56
17-Feb-23	144	66	24	11.26	14.58
23-Feb-23	150	72	26	17.56	13.52
24-Feb-23	140	62	23	13.55	18.26
01-Mar-23	148	75	28	15.56	20.26
02-Mar-23	142	68	25	18.56	17.45
06-Mar-23	132	63	22	14.74	19.32
07-Mar-23	130	60	21	13.58	17.55
16-Mar-23	162	82	30	11.52	13.22
17-Mar-23	159	79	29	13.22	17.25
22-Mar-23	155	75	28	11.52	18.22
23-Mar-23	149	70	26	15.26	15.26
27-Mar-23	135	60	20	13.22	20.22
28-Mar-23	146	68	25	10.22	14.22
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	168	86	36	27.63	35.87
Minimum	128	42	20	10	11
Average	142.46	69.49	25.55	14.14	18.34
Standard (24 Hrs)		100	60	80	80
Standard (Annual)		60	40	50	40



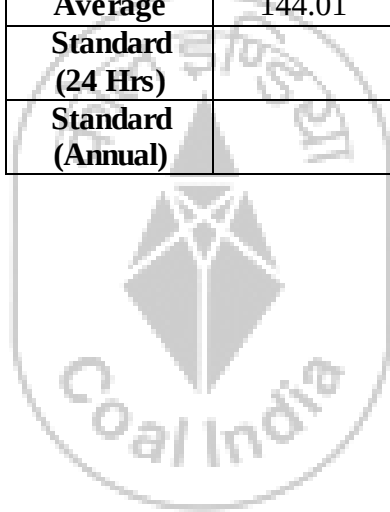
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Table:41
Area: Jagannath
Project: Ananta OCP
Monitoring Station: Guthasahi Village
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
09-Apr-22	135	61	23	21.68	33.76
10-Apr-22	142	67	28	18.31	38.85
14-Apr-22	158	72	31	19.02	22.45
15-Apr-22	162	73	34	17.94	32.35
22-Apr-22	137	85	26	9.47	16.45
23-Apr-22	126	81	25	10.27	16.58
29-Apr-22	125	75	27	10.25	16.35
30-Apr-22	128	79	23	11.45	18.36
06-May-22	137	66	26	15.19	26.07
07-May-22	131	62	23	16.41	23.20
13-May-22	146	70	28	27.97	28.31
14-May-22	149	72	29	17.62	23.67
20-May-22	138	73	24	17.36	22.56
21-May-22	140	75	25	23.23	27.36
27-May-22	138	72	23	15.12	20.22
28-May-22	142	76	26	12.56	23.32
03-Jun-22	144	72	27	19.64	24.54
04-Jun-22	154	78	30	19.12	28.38
10-Jun-22	146	74	28	17.99	21.36
11-Jun-22	141	70	26	15.11	24.46
17-Jun-22	146	72	28	11.46	17.51
18-Jun-22	150	74	29	13.96	18.67
24-Jun-22	154	78	30	15.20	19.23
25-Jun-22	142	70	27	19.30	22.12
30-Jun-22	136	65	25	17.34	22.73
01-Jul-22	138	68	25	13.88	18.52
08-Jul-22	140	70	26	16.16	20.64
09-Jul-22	134	64	24	14.41	17.69
13-Jul-22	146	74	28	14.11	17.69
14-Jul-22	142	72	27	12.07	16.30
22-Jul-22	136	89	31	11.69	14.63
23-Jul-22	126	75	30	8.11	13.29
27-Jul-22	144	78	35	10.81	12.85
28-Jul-22	110	63	24	12.33	14.66
05-Aug-22	167	88	36	15.42	17.07
06-Aug-22	170	90	38	14.43	16.86
11-Aug-22	163	84	34	14.63	18.15
12-Aug-22	174	92	39	13.01	15.16
19-Aug-22	132	62	22	12.52	15.22
20-Aug-22	130	60	20	10.22	17.22
25-Aug-22	136	67	25	11.52	17.25

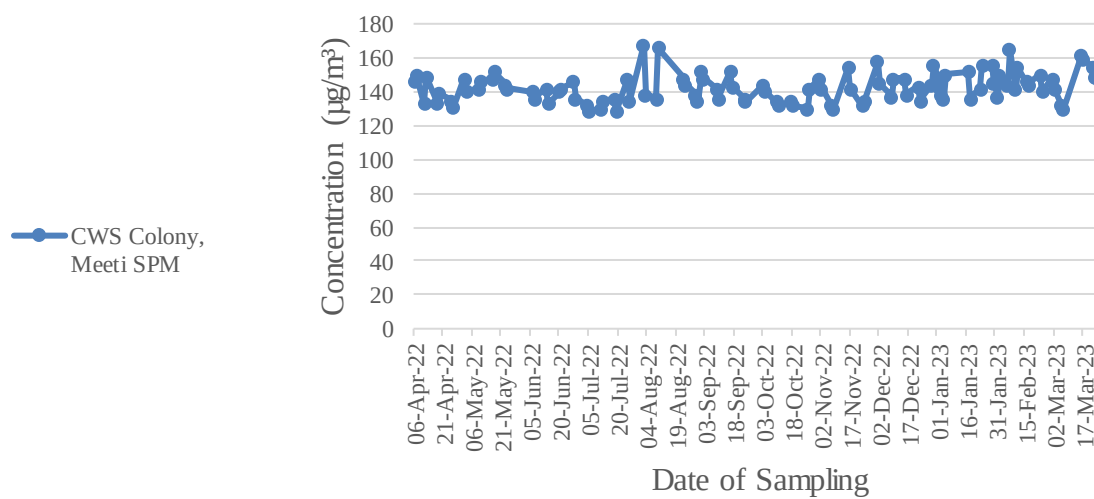
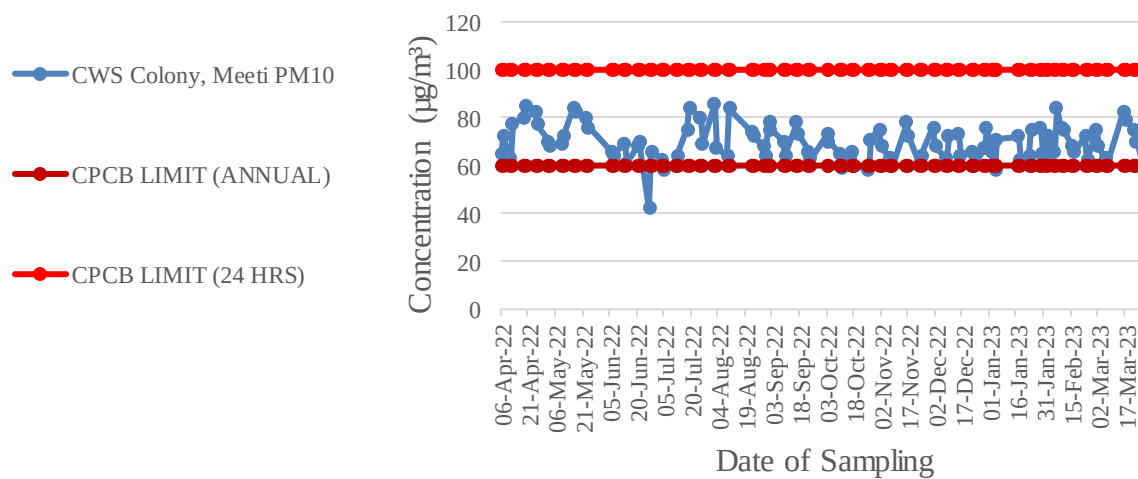
26-Aug-22	143	72	27	11.22	13.22
01-Sep-22	149	76	28	15.18	22.88
02-Sep-22	138	68	25	14.57	24.33
09-Sep-22	140	71	26	13.05	20.84
10-Sep-22	135	63	24	14.38	22.86
16-Sep-22	142	71	26	16.25	24.48
17-Sep-22	153	78	29	15.70	26.21
23-Sep-22	136	65	24	13.98	22.32
24-Sep-22	132	62	22	14.47	23.01
03-Oct-22	154	78	29	12.22	16.32
04-Oct-22	142	70	26	18.31	22.50
10-Oct-22	134	65	24	19.02	22.45
11-Oct-22	138	67	25	17.94	21.23
19-Oct-22	140	69	25	11.48	13.63
20-Oct-22	132	60	22	15.41	17.08
26-Oct-22	130	58	20	13.05	15.49
27-Oct-22	126	54	18	16.92	24.87
01-Nov-22	140	69	25	11.88	14.74
02-Nov-22	148	76	28	13.23	18.52
07-Nov-22	133	62	22	19.23	14.88
08-Nov-22	144	72	26	12.22	18.22
16-Nov-22	142	71	26	14.52	17.55
17-Nov-22	154	77	29	10.45	14.25
23-Nov-22	135	65	24	13.26	16.21
24-Nov-22	133	63	23	16.78	19.35
01-Dec-22	146	69	25	13.58	19.93
02-Dec-22	154	74	27	15.96	21.19
08-Dec-22	138	64	22	8.63	17.70
09-Dec-22	135	60	20	13.87	19.68
15-Dec-22	155	77	28	12.45	17.65
16-Dec-22	148	72	26	18.26	23.23
22-Dec-22	144	65	24	10.56	17.21
23-Dec-22	137	62	21	16.23	20.75
29-Dec-22	149	71	26	12.85	17.36
30-Dec-22	139	63	22	11.68	18.24
02-Jan-23	138	60	22	15.77	20.43
03-Jan-23	135	58	20	11.77	16.90
09-Jan-23	126	66	24	14.57	19.35
10-Jan-23	150	72	26	13.56	20.45
16-Jan-23	192	100	45	12.58	17.33
17-Jan-23	148	73	28	12.90	16.89
24-Jan-23	143	66	24	16.52	20.26
25-Jan-23	150	71	26	12.56	15.23
29-Jan-23	136	62	21	11.55	17.52
30-Jan-23	140	66	24	12.45	21.20
01-Feb-23	163	82	31	13.23	16.56
02-Feb-23	158	78	29	14.23	17.58
06-Feb-23	135	60	20	10.52	16.12
07-Feb-23	143	66	24	13.45	17.25

10-Feb-23	150	72	26	12.26	18.26
11-Feb-23	183	94	38	12.25	16.00
16-Feb-23	154	74	27	12.26	17.58
17-Feb-23	162	84	30	14.52	16.23
23-Feb-23	156	76	28	12.26	14.52
24-Feb-23	154	72	26	19.56	18.52
01-Mar-23	156	76	28	13.85	15.45
02-Mar-23	138	62	22	12.54	16.58
06-Mar-23	148	72	26	13.56	19.57
07-Mar-23	172	88	34	11.52	15.56
16-Mar-23	154	74	27	10.22	13.22
17-Mar-23	138	62	22	11.22	15.22
22-Mar-23	142	66	24	15.22	17.52
23-Mar-23	140	64	23	15.22	19.22
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	192	100	45	27.97	38.85
Minimum	110	54	18	8	13
Average	144.01	71.18	26.38	14.32	19.41
Standard (24 Hrs)		100	60	80	80
Standard (Annual)		60	40	50	40

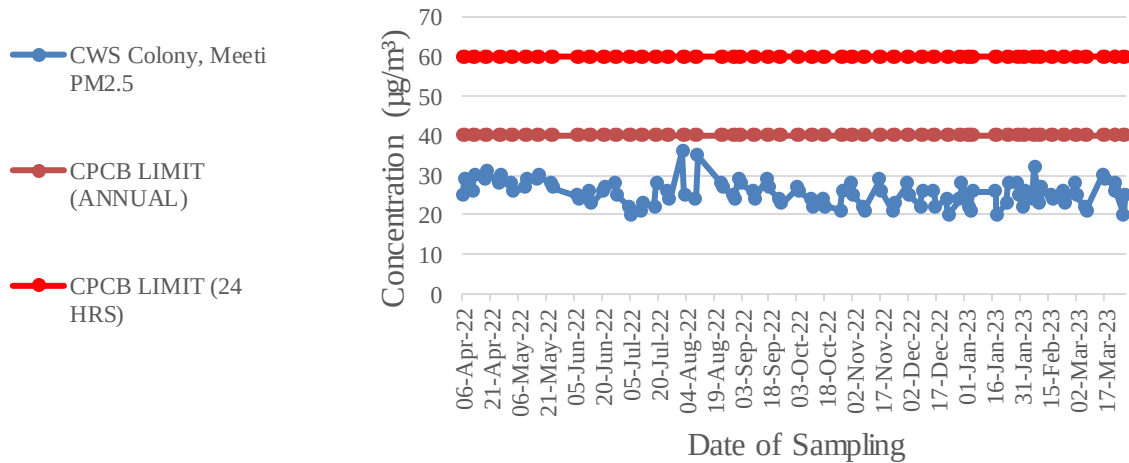


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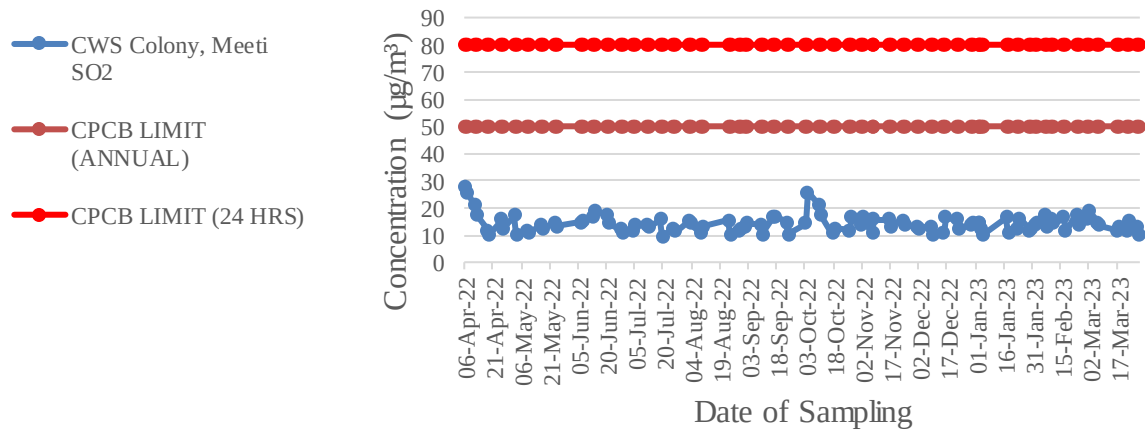
Graph Showing SPM for Jagannath OCP

Graph Showing PM_{10} for Jagannath OCP

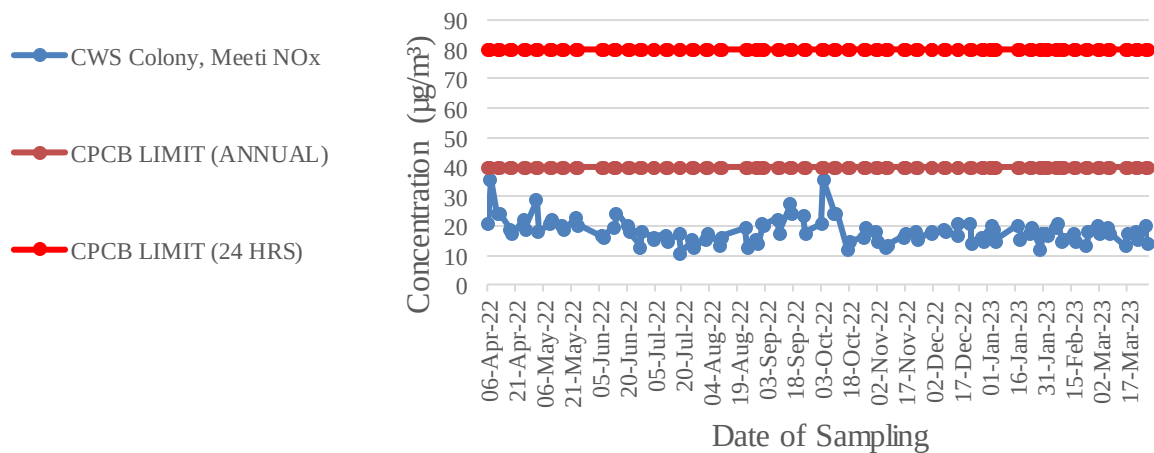
Graph Showing PM_{2.5} for Jagannath OCP



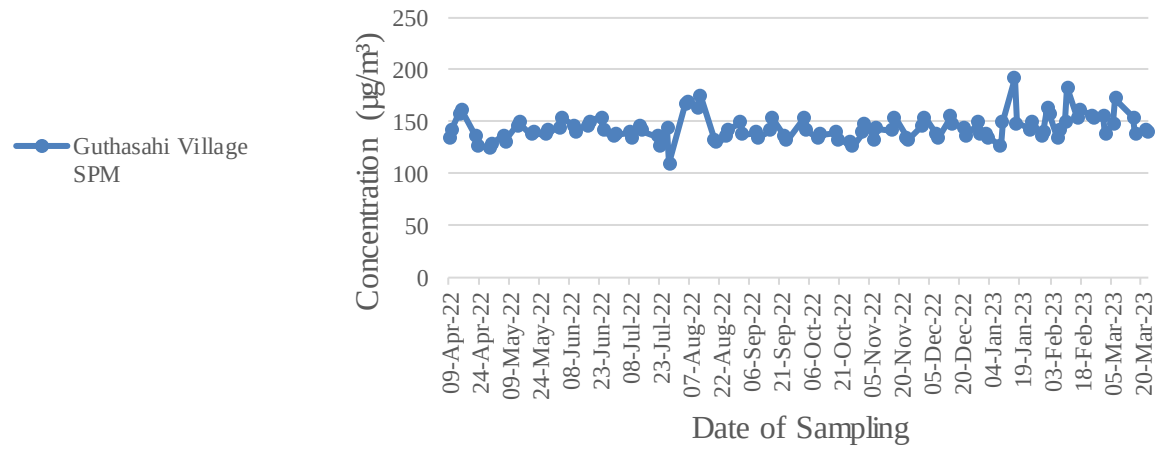
Graph Showing SO₂ for Jagannath OCP



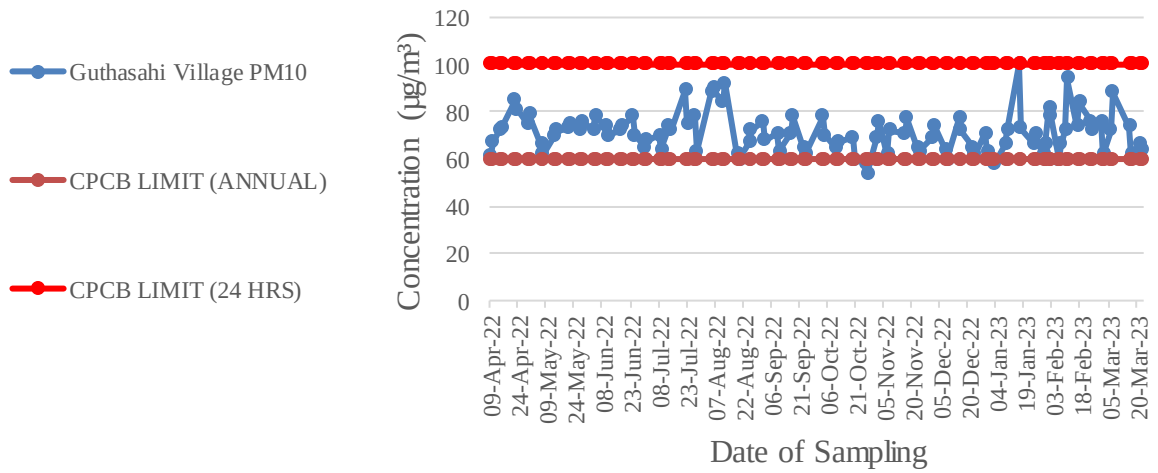
Graph Showing NO_x for Jagannath OCP



Graph Showing SPM for Ananta OCP



Graph Showing PM₁₀ for Ananta OCP



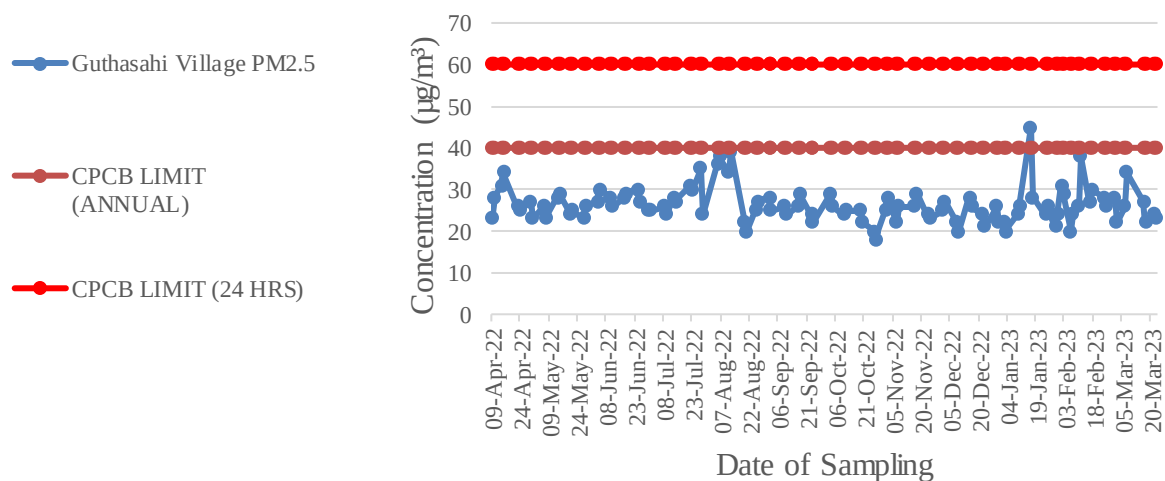
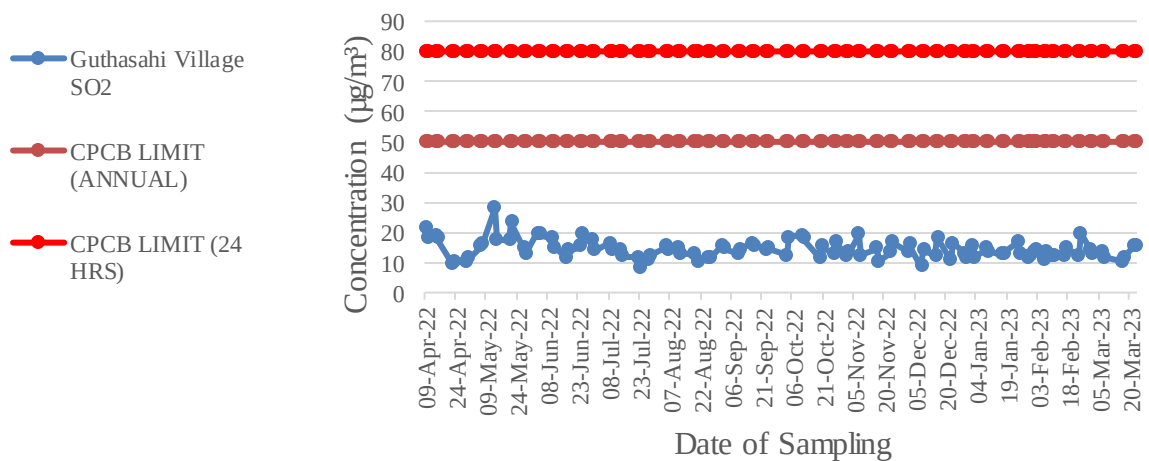
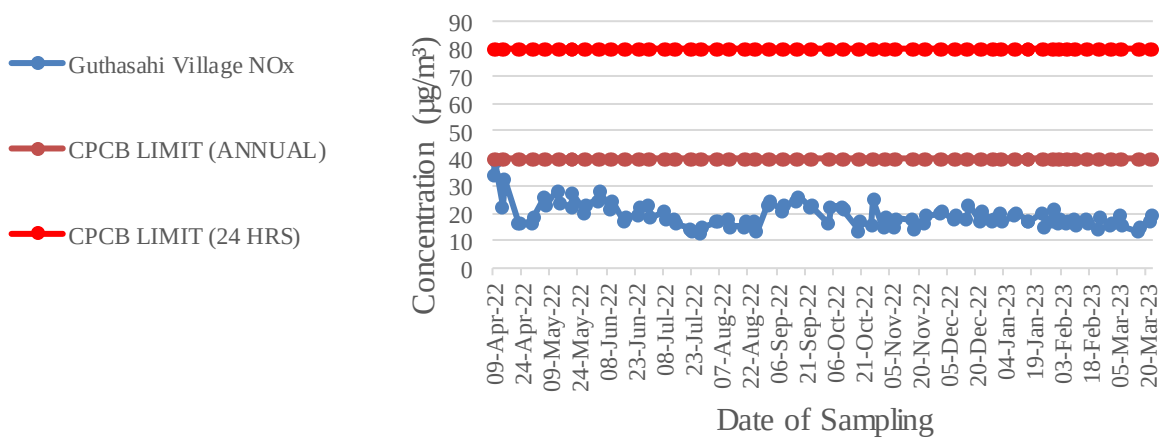
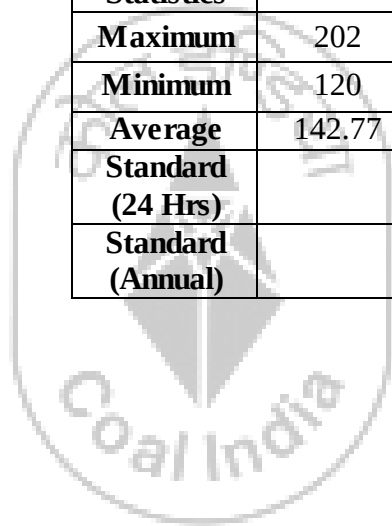
Graph Showing PM_{2.5} for Ananta OCPGraph Showing SO₂ for Ananta OCPGraph Showing NO_x for Ananta OCP

Table: 42
Area: Bharatpur
Project: Bharatpur OCP
Monitoring Station: Near Joragdia Village
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
09-Apr-22	135	62	24	23.43	30.3
10-Apr-22	139	59	26	21.12	35.19
15-Apr-22	142	57	27	18.06	29.8
16-Apr-22	143	59	28	15.68	35.34
22-Apr-22	129	77	25	11.24	16.52
23-Apr-22	125	75	26	11.38	17.32
29-Apr-22	135	83	24	8.78	15.68
30-Apr-22	132	81	23	9.17	15.64
06-May-22	135	66	26	11.86	20.58
07-May-22	127	59	22	18.62	28.33
13-May-22	138	69	27	17.17	21.57
14-May-22	132	63	24	17.54	25.06
20-May-22	135	72	23	16.36	23.68
21-May-22	137	74	24	13.26	22.56
27-May-22	130	71	21	10.26	17.56
28-May-22	133	73	22	15.26	20.23
03-Jun-22	156	80	30	19.19	26.04
04-Jun-22	156	77	28	12.36	20.01
10-Jun-22	144	72	27	11.48	13.63
11-Jun-22	140	67	25	15.41	17.08
17-Jun-22	146	73	28	14.77	21.45
18-Jun-22	140	67	26	12.81	19.58
24-Jun-22	136	65	25	14.74	21.4
25-Jun-22	134	63	24	20.18	21.03
30-Jun-22	130	62	22	11.32	17.88
01-Jul-22	132	62	22	16.56	20.6
08-Jul-22	124	54	18	12.19	14.97
09-Jul-22	130	60	20	14.16	18.65
13-Jul-22	126	56	19	16.87	21.51
14-Jul-22	134	64	23	12.29	17.59
22-Jul-22	134	65	26	14.03	16.09
23-Jul-22	120	75	28	13.81	15.83
27-Jul-22	198	127	53	9.18	12.81
28-Jul-22	150	80	31	11.86	13.6
05-Aug-22	135	65	24	17.09	18.72
06-Aug-22	140	68	26	15.49	17.5
11-Aug-22	132	62	22	13.88	16.14
12-Aug-22	130	60	20	16.68	18.27
19-Aug-22	130	61	20	14.25	15.12
20-Aug-22	133	63	22	15.23	17.25
25-Aug-22	134	65	24	13.22	15.23

26-Aug-22	140	70	26	11.23	14.22
01-Sep-22	134	62	22	17.03	25.72
02-Sep-22	131	60	20	14.03	22.52
09-Sep-22	135	63	23	16.62	25.1
10-Sep-22	139	68	25	15.48	24.04
16-Sep-22	141	70	26	15.72	23.75
17-Sep-22	135	65	24	10.79	17.32
23-Sep-22	127	58	19	11.89	17.96
24-Sep-22	131	61	21	14.17	22.01
03-Oct-22	135	65	24	10.52	15.23
04-Oct-22	141	70	26	13.22	18.58
10-Oct-22	132	59	22	18.06	22.2
11-Oct-22	131	56	21	15.68	17.52
19-Oct-22	134	66	24	19.19	16.2
20-Oct-22	148	75	28	10.25	14.1
26-Oct-22	133	60	22	15.12	16.32
27-Oct-22	144	74	27	18.42	21.87
01-Nov-22	150	76	28	14.67	20.45
02-Nov-22	140	69	25	15.23	22.26
07-Nov-22	134	64	23	14.85	18.22
08-Nov-22	130	60	20	13.22	16.58
16-Nov-22	142	71	26	10.25	13.58
17-Nov-22	145	74	27	16.23	20.22
23-Nov-22	132	62	22	11.25	15.25
24-Nov-22	131	61	21	11.88	13.25
01-Dec-22	136	69	25	11.6	12.41
02-Dec-22	160	77	29	11.94	11.19
08-Dec-22	143	65	24	13.22	13.02
09-Dec-22	135	61	20	15.77	20.43
15-Dec-22	156	76	28	14.52	16.33
16-Dec-22	164	82	30	11.85	18.26
22-Dec-22	149	71	26	17.52	22.52
23-Dec-22	139	63	22	12.56	18.52
29-Dec-22	136	60	20	13.78	19.24
30-Dec-22	147	68	25	14.52	18.62
02-Jan-23	138	60	22	13.58	19.93
03-Jan-23	154	74	27	15.96	21.19
06-Jan-23	198	104	46	15.49	17.47
07-Jan-23	188	97	42	13.56	16.33
17-Jan-23	138	64	22	12.52	16.23
18-Jan-23	151	70	26	15.56	19.56
23-Jan-23	143	66	24	12.23	17.52
24-Jan-23	158	78	29	16.23	22.57
29-Jan-23	202	108	47	13.52	19.23
30-Jan-23	145	64	20	11.02	14.25
01-Feb-23	164	83	32	16.11	12.36
02-Feb-23	162	81	30	13.26	15.88
06-Feb-23	158	78	29	16.23	18.26
07-Feb-23	156	69	28	17.85	12.26

10-Feb-23	138	60	22	14.75	16.32
11-Feb-23	147	72	26	12.26	16.55
16-Feb-23	162	82	30	10.33	17.54
17-Feb-23	156	75	28	12.23	18.56
23-Feb-23	154	74	27	10.23	15.56
24-Feb-23	145	68	25	12.26	17.52
01-Mar-23	142	64	23	15.56	20.85
02-Mar-23	135	60	20	15.56	22.52
06-Mar-23	146	68	25	11.52	15.56
07-Mar-23	156	76	28	13.98	15.88
16-Mar-23	138	63	22	13.22	15.22
17-Mar-23	135	60	20	13.22	16.22
22-Mar-23	156	76	28	15.22	19.23
23-Mar-23	162	82	30	10.02	12.52
27-Mar-23	150	71	26	11.25	15.26
28-Mar-23	166	85	33	12.52	14.22
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	202	127	53	23.43	35.34
Minimum	120	54	18	9	11
Average	142.77	69.58	25.50	14.13	18.69
Standard (24 Hrs)		100	60	80	80
Standard (Annual)		60	40	50	40



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Table:43

Area: Bharatpur

Project: Bharatpur OCP

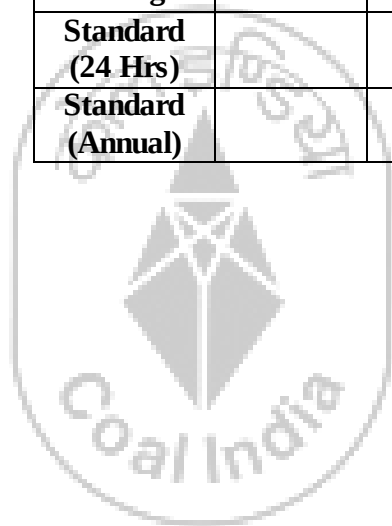
Monitoring Station: Natedi Village (Reported Only)

All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
08-Apr-22	135	69	27	22.14	34.76
09-Apr-22	140	65	26	21.01	29.55
13-Apr-22	142	61	23	20.37	29.01
14-Apr-22	133	63	25	19.47	24.82
22-Apr-22	128	75	33	17.05	24.01
23-Apr-22	133	79	30	10.56	24.12
28-Apr-22	141	82	29	12.37	16.87
29-Apr-22	138	81	31	12.27	24.12
06-May-22	130	64	23	14.97	24.13
07-May-22	135	65	25	16.53	27.31
12-May-22	128	62	22	13.93	23.51
13-May-22	133	66	24	19.09	25.24
20-May-22	143	78	29	11.56	18.33
21-May-22	143	75	27	16.32	20.33
26-May-22	140	74	26	12.54	19.44
27-May-22	141	77	28	13.22	24.33
03-Jun-22	149	78	29	23.03	24.01
04-Jun-22	147	75	28	16.64	22.58
10-Jun-22	142	70	26	11.99	15.61
11-Jun-22	139	66	25	13.3	22.11
17-Jun-22	140	67	26	10.62	16.11
18-Jun-22	147	74	28	11.78	14.89
24-Jun-22	143	71	27	13.71	18.48
25-Jun-22	132	60	22	11.21	19.24
02-Jul-22	140	69	26	17.73	21.2
08-Jul-22	147	74	28	14.18	15.18
09-Jul-22	136	64	24	11.16	14.26
13-Jul-22	134	63	23	11.28	17.23
14-Jul-22	138	66	25	12.53	13.46
22-Jul-22	115	66	22	11.11	16.38
23-Jul-22	140	86	30	14.99	16.71
27-Jul-22	165	91	28	13.2	15.7
28-Jul-22	126	80	26	9.2	12.68
05-Aug-22	129	60	20	17.16	19.09
06-Aug-22	126	57	18	14.97	16.91
11-Aug-22	125	55	17	13.85	17.18
12-Aug-22	123	54	15	15.68	18.35
19-Aug-22	134	64	23	13.45	16.25
20-Aug-22	130	60	20	10.25	13.22
25-Aug-22	132	62	21	17.25	20.85
26-Aug-22	138	67	25	17.22	18.23

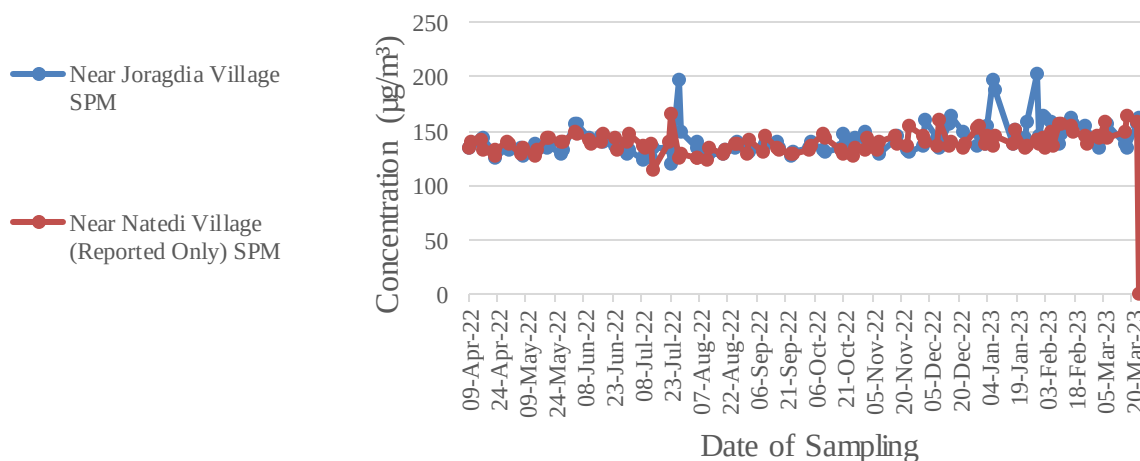
07-Sep-22	138	67	25	16.81	25.31
08-Sep-22	130	60	20	13.79	23.03
14-Sep-22	142	71	26	15.52	24.59
15-Sep-22	131	61	21	14.97	23.24
21-Sep-22	146	72	26	14.75	22.2
22-Sep-22	135	66	24	12.85	21.46
29-Sep-22	132	62	22	13.52	21.42
30-Sep-22	129	60	20	16.63	25.83
03-Oct-22	130	56	21	11.25	16.25
04-Oct-22	132	62	23	11.25	15.28
10-Oct-22	136	65	24	11.25	13.25
11-Oct-22	148	75	28	15.26	20.25
21-Oct-22	143	71	26	18.48	17.88
22-Oct-22	132	63	23	21.1	25.79
28-Oct-22	130	58	21	14.97	24.13
29-Oct-22	128	56	19	13.3	22.11
03-Nov-22	135	64	24	14.58	21.2
04-Nov-22	132	62	22	10.52	17.58
09-Nov-22	143	72	26	13.22	20.85
10-Nov-22	132	62	22	17.89	12.22
18-Nov-22	141	71	26	11.58	16.56
19-Nov-22	145	74	27	14.88	20.2
25-Nov-22	139	68	25	10.22	16.54
26-Nov-22	136	65	24	13.65	16.88
01-Dec-22	154	74	27	12.63	14.92
02-Dec-22	146	69	25	10.69	14.2
08-Dec-22	140	64	23	9.53	15.64
09-Dec-22	137	62	21	10.3	12.07
15-Dec-22	160	79	29	13.56	12.56
16-Dec-22	137	62	21	13.56	15.56
22-Dec-22	140	63	22	12.56	17.32
23-Dec-22	135	60	20	12.2	16.52
29-Dec-22	139	63	22	14.31	17.39
30-Dec-22	153	75	27	13.65	16.85
04-Jan-23	154	74	27	17.35	18.22
05-Jan-23	139	63	23	13.15	14.39
11-Jan-23	145	69	25	15.85	14.03
12-Jan-23	136	59	21	13.49	19.92
19-Jan-23	145	66	24	10.52	14.52
20-Jan-23	138	63	22	15.52	13.52
24-Jan-23	151	72	26	12.88	16.52
25-Jan-23	135	60	20	13.52	17.85
29-Jan-23	137	62	26	11.29	15.68
30-Jan-23	142	68	24	11.02	15.54
03-Feb-23	138	62	22	13.56	12.56
04-Feb-23	143	66	24	12.26	18.56
08-Feb-23	135	60	20	14.56	18.95
09-Feb-23	149	72	26	10.23	12.26
14-Feb-23	136	62	21	11.26	15.56

15-Feb-23	157	77	29	17.58	16.32
20-Feb-23	157	78	29	16.56	19.56
21-Feb-23	155	76	28	10.52	12.26
27-Feb-23	150	72	26	13.55	17.56
28-Feb-23	146	68	25	14.52	19.1
09-Mar-23	139	63	22	10.23	18.54
10-Mar-23	146	68	25	11.26	14.44
14-Mar-23	143	66	24	10.21	13.58
15-Mar-23	158	78	29	12.56	16.41
20-Mar-23	143	66	24	11.22	15.22
21-Mar-23	149	71	26	14.22	16.22
29-Mar-23	164	84	32	13.64	18.89
30-Mar-23	159	79	29	11.28	17.45
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	165	91	33	23.03	34.76
Minimum	115	54	15	9	12
Average	139.76	67.89	24.57	13.88	18.61
Standard (24 Hrs)		100	60	80	80
Standard (Annual)		60	40	50	40

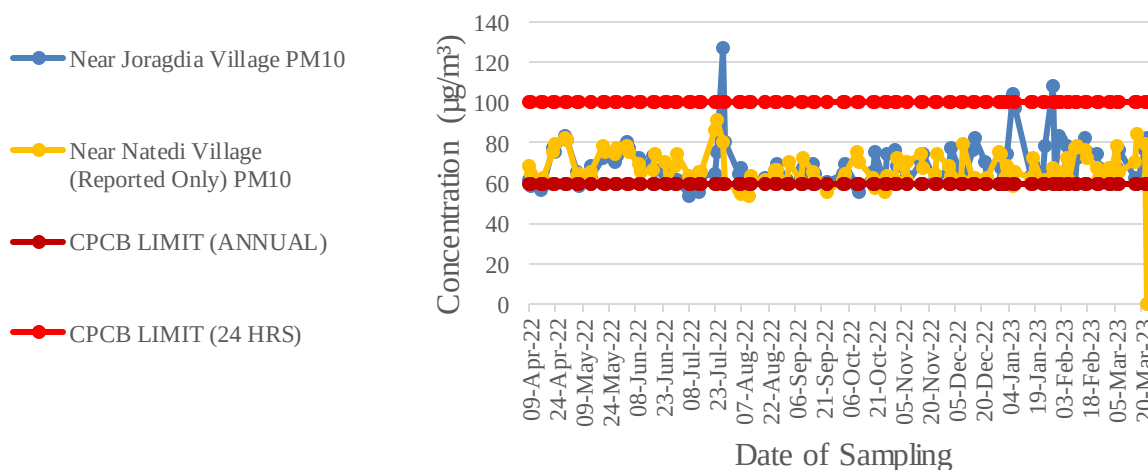


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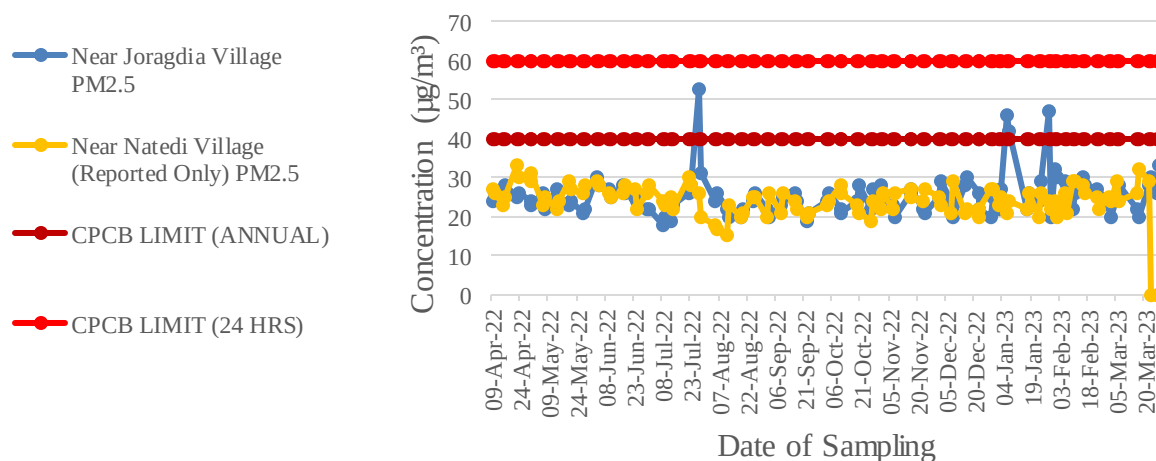
Graph Showing SPM for Bharatpur OCP



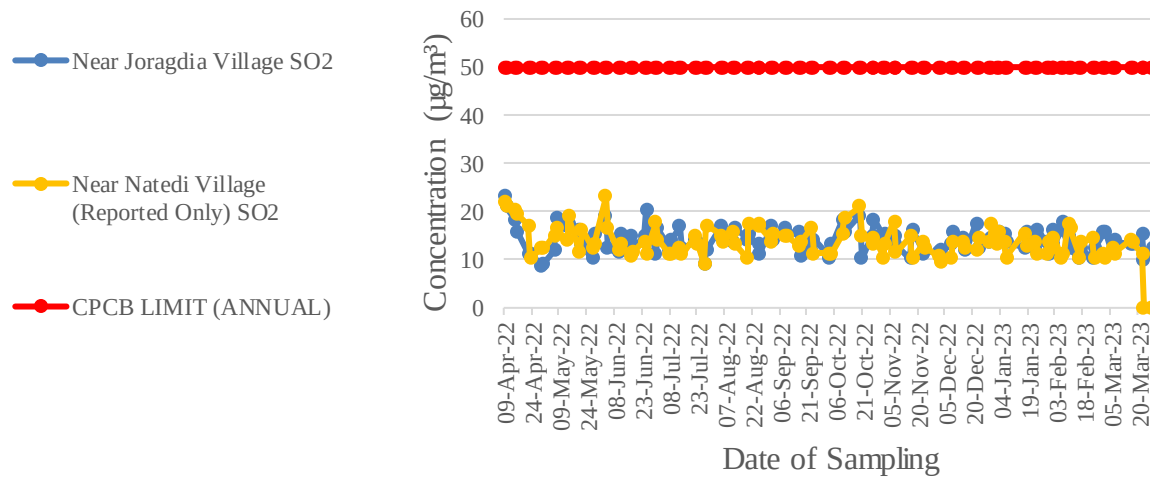
Graph Showing PM₁₀ for Bharatpur OCP



Graph Showing PM_{2.5} for Bharatpur OCP



Graph Showing SO₂ for Bharatpur OCP



Graph Showing NO_x for Bharatpur OCP

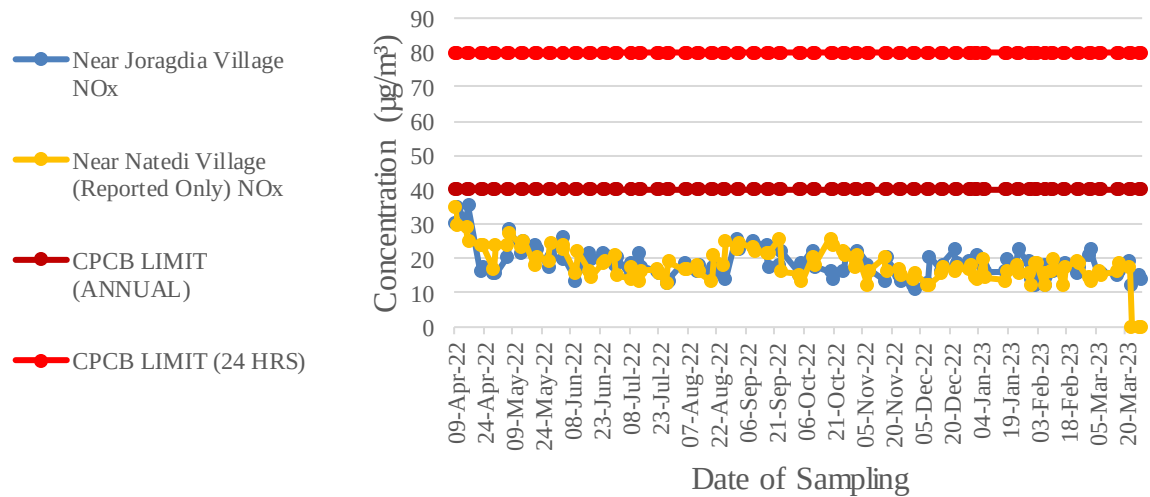
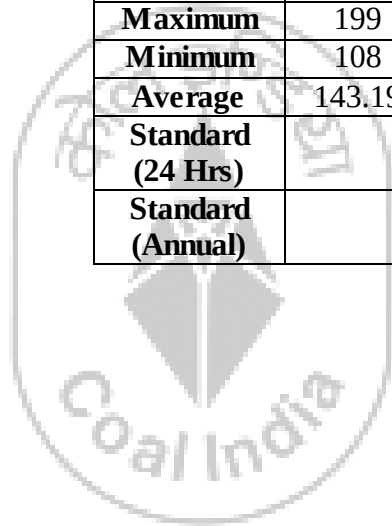


Table: 44
Area: Lingaraj
Project: Lingaraj OCP
Monitoring Station: Near Kankili Community Centre
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
05-Apr-22	142	55	25	15.49	29.17
06-Apr-22	138	63	23	11.69	25.67
14-Apr-22	143	69	28	16.67	19.24
15-Apr-22	149	65	24	19.62	29.88
22-Apr-22	136	81	29	11.08	16.31
23-Apr-22	128	77	27	10.23	18.90
28-Apr-22	137	82	28	11.28	16.85
29-Apr-22	143	85	27	13.25	18.67
06-May-22	142	71	29	15.91	22.08
07-May-22	137	69	27	13.98	18.37
12-May-22	130	62	23	14.86	19.64
13-May-22	134	66	25	15.31	19.25
20-May-22	137	66	25	12.36	22.26
21-May-22	136	64	24	13.78	24.36
26-May-22	142	69	27	12.56	20.32
27-May-22	138	67	26	14.52	24.56
02-Jun-22	130	59	22	13.69	15.51
03-Jun-22	136	64	24	13.54	15.61
08-Jun-22	142	69	26	10.64	14.03
09-Jun-22	140	66	25	13.02	16.23
16-Jun-22	134	64	24	11.09	18.33
17-Jun-22	136	65	25	10.91	13.79
22-Jun-22	136	66	25	16.86	18.55
23-Jun-22	134	64	24	11.39	15.41
29-Jun-22	130	62	22	12.60	15.56
30-Jun-22	128	60	20	11.93	14.72
08-Jul-22	135	64	24	10.62	14.03
09-Jul-22	140	67	26	12.44	16.29
13-Jul-22	138	65	25	11.64	17.05
14-Jul-22	132	61	22	13.69	17.23
22-Jul-22	131	78	26	12.52	15.46
23-Jul-22	129	67	24	10.80	11.23
27-Jul-22	152	80	30	8.45	12.27
28-Jul-22	108	60	22	11.93	14.72
05-Aug-22	140	100	26	12.79	13.52
06-Aug-22	130	60	20	12.79	18.78
08-Aug-22	132	63	22	11.16	17.23
12-Aug-22	134	65	24	14.96	16.26
18-Aug-22	142	70	26	15.26	16.20
19-Aug-22	134	63	23	13.22	20.22
25-Aug-22	132	62	21	10.22	14.22

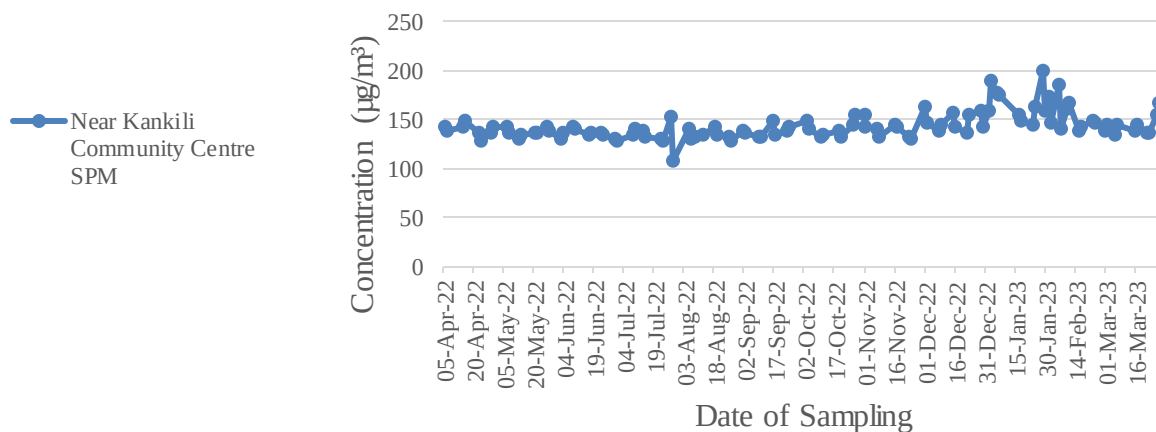
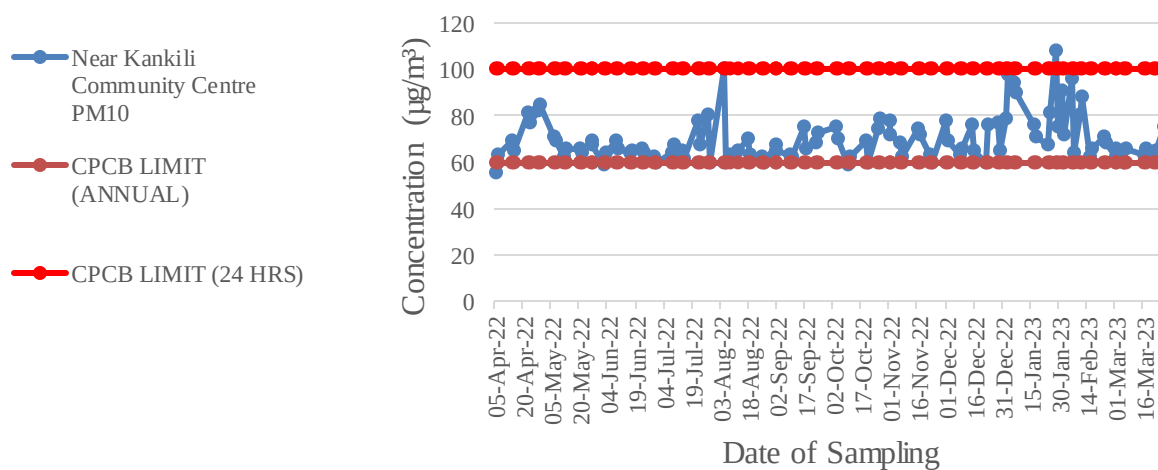
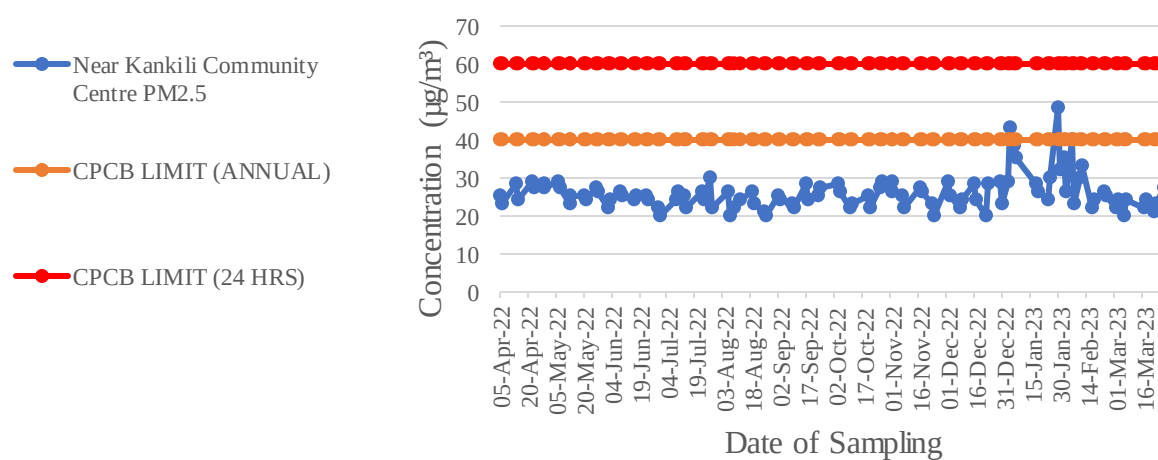
26-Aug-22	129	60	20	15.28	15.20
01-Sep-22	139	67	25	12.47	17.93
02-Sep-22	136	65	24	10.93	21.68
09-Sep-22	133	63	23	14.34	20.71
10-Sep-22	132	62	22	12.47	23.64
16-Sep-22	148	75	28	13.09	18.83
17-Sep-22	134	66	24	13.20	26.18
23-Sep-22	138	68	25	16.80	24.27
24-Sep-22	143	73	27	13.24	25.11
03-Oct-22	148	75	28	15.49	17.58
04-Oct-22	140	70	26	11.69	16.32
10-Oct-22	132	59	22	16.67	19.24
11-Oct-22	134	62	23	19.62	23.25
19-Oct-22	139	69	25	13.69	15.51
20-Oct-22	132	60	22	13.54	15.61
26-Oct-22	145	74	27	10.64	14.03
27-Oct-22	154	79	29	13.02	16.23
01-Nov-22	154	78	29	12.98	14.45
01-Nov-22	143	72	26	10.78	18.45
07-Nov-22	140	68	25	11.55	15.32
08-Nov-22	133	62	22	12.55	18.65
16-Nov-22	144	74	27	12.20	16.22
17-Nov-22	142	72	26	15.23	18.78
23-Nov-22	133	63	23	16.23	19.56
24-Nov-22	130	60	20	10.53	14.65
01-Dec-22	162	78	29	10.16	15.79
02-Dec-22	147	69	25	11.28	20.12
08-Dec-22	138	63	22	10.56	18.98
09-Dec-22	144	66	24	14.44	21.93
15-Dec-22	156	76	28	13.25	20.22
16-Dec-22	143	65	24	16.85	19.54
22-Dec-22	136	60	20	17.52	22.24
23-Dec-22	154	76	28	12.25	17.32
29-Dec-22	158	77	29	13.39	17.36
30-Dec-22	142	65	23	14.59	16.24
02-Jan-23	159	79	29	16.33	19.23
03-Jan-23	190	98	43	18.56	20.23
06-Jan-23	178	94	38	13.26	16.88
07-Jan-23	174	90	35	13.02	18.89
17-Jan-23	155	76	28	11.23	16.44
18-Jan-23	149	71	26	13.56	17.88
24-Jan-23	144	67	24	20.23	16.23
25-Jan-23	163	81	30	13.55	13.29
29-Jan-23	199	108	48	13.39	13.18
30-Jan-23	158	75	32	11.25	13.25
01-Feb-23	173	91	35	18.56	22.26
02-Feb-23	147	72	26	12.33	17.85
06-Feb-23	186	96	40	13.55	19.56
07-Feb-23	141	64	23	14.52	12.26

10-Feb-23	161	80	30	16.32	12.26
11-Feb-23	166	88	33	16.25	15.35
16-Feb-23	138	62	22	10.52	11.10
17-Feb-23	143	66	24	12.12	13.62
23-Feb-23	149	71	26	13.52	18.56
24-Feb-23	146	68	25	14.52	19.33
01-Mar-23	138	62	22	13.56	20.21
02-Mar-23	144	66	24	12.56	17.65
06-Mar-23	135	60	20	10.52	15.45
07-Mar-23	144	66	24	11.56	14.58
16-Mar-23	138	63	22	11.52	17.25
17-Mar-23	144	66	24	11.22	13.22
22-Mar-23	136	62	21	13.22	17.52
23-Mar-23	137	65	23	12.22	14.23
27-Mar-23	154	75	27	10.22	15.22
28-Mar-23	167	85	33	12.25	17.22
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	199	108	48	20.23	29.88
Minimum	108	55	20	8	11
Average	143.19	70.12	25.87	13.29	17.79
Standard (24 Hrs)		100	60	80	80
Standard (Annual)		60	40	50	40

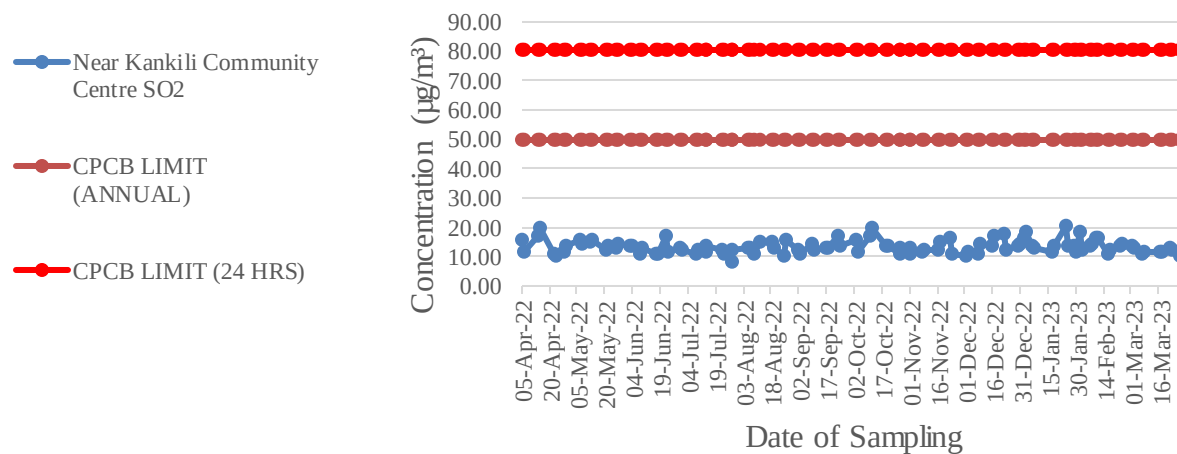


A Mini Ratna Company

Graph Showing SPM for Lingaraj OCP

Graph Showing PM₁₀ for Lingaraj OCPGraph Showing PM_{2.5} for Lingaraj OCP

Graph Showing SO₂ for Lingaraj OCP



Graph Showing NO_x for Lingaraj OCP

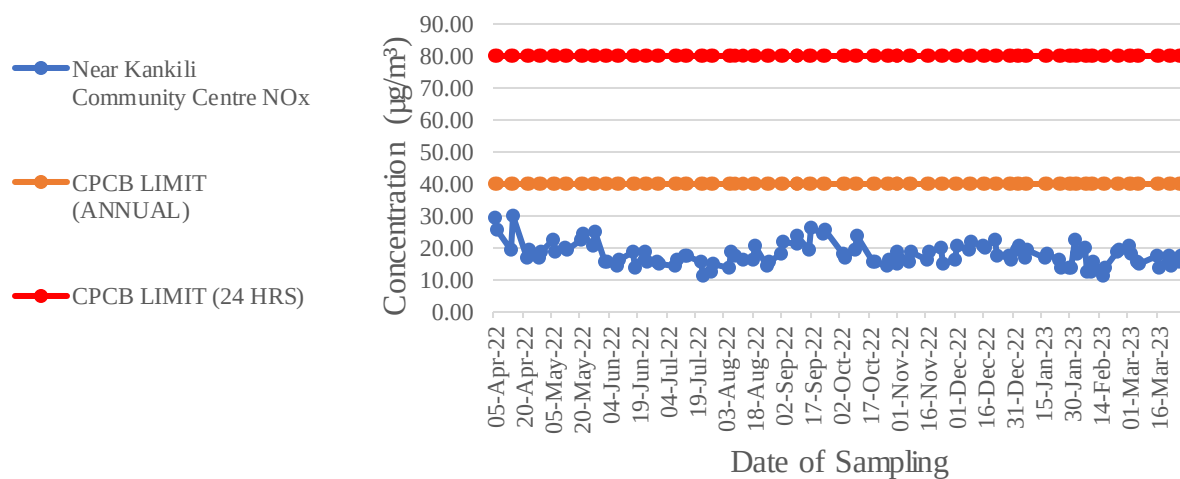


Table:45

Area: Kaniha

Project: Kaniha OCP

Monitoring Station: South of Proposed Quarry Limit of KOCP

All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
06-Apr-22	171	75	31	15.13	35.02
07-Apr-22	160	61	25	15.94	26.68
11-Apr-22	169	65	27	20.55	35.32
12-Apr-22	175	71	29	20.60	27.78
20-Apr-22	149	85	26	16.45	20.34
21-Apr-22	146	83	28	13.64	18.24
25-Apr-22	147	82	27	12.45	17.65
26-Apr-22	133	79	25	10.23	18.34
03-May-22	140	75	28	20.06	29.53
04-May-22	142	78	29	21.89	23.22
09-May-22	135	73	26	12.03	22.10
10-May-22	138	75	27	11.94	25.78
17-May-22	135	81	24	14.55	18.98
18-May-22	140	76	26	15.63	26.33
23-May-22	133	73	23	14.31	22.56
24-May-22	137	75	25	15.69	24.56
06-Jun-22	140	68	26	10.12	12.01
07-Jun-22	144	71	27	11.38	16.38
14-Jun-22	150	76	29	17.66	20.40
15-Jun-22	139	66	25	12.38	14.69
21-Jun-22	135	66	25	11.02	20.01
22-Jun-22	141	72	27	12.73	13.78
27-Jun-22	145	74	28	20.18	25.24
28-Jun-22	139	70	26	19.85	25.43
04-Jul-22	134	63	24	17.84	29.29
05-Jul-22	132	62	22	13.08	22.07
11-Jul-22	130	60	20	13.52	17.93
12-Jul-22	133	64	23	10.06	14.77
18-Jul-22	120	60	23	10.53	14.86
19-Jul-22	110	70	30	12.96	13.51
25-Jul-22	105	87	28	9.07	13.87
26-Jul-22	129	75	33	13.70	14.66
02-Aug-22	126	55	18	16.18	22.74

03-Aug-22	132	62	22	14.75	17.19
09-Aug-22	135	65	24	13.49	16.25
10-Aug-22	128	57	19	11.63	15.83
23-Aug-22	147	76	28	13.22	14.23
24-Aug-22	140	70	26	13.26	18.22
29-Aug-22	132	62	22	11.23	14.22
30-Aug-22	158	80	30	16.22	20.22
05-Sep-22	138	68	25	12.13	22.46
06-Sep-22	132	62	22	15.97	29.37
12-Sep-22	130	60	20	14.79	23.62
13-Sep-22	125	56	18	13.58	22.32
19-Sep-22	130	60	20	12.38	22.94
20-Sep-22	134	66	24	16.99	31.25
26-Sep-22	141	72	26	12.93	20.64
27-Sep-22	131	61	21	8.98	14.76
03-Oct-22	135	65	24	15.13	17.52
04-Oct-22	128	54	20	15.94	20.20
10-Oct-22	132	62	23	11.25	16.32
11-Oct-22	130	56	21	14.00	17.52
21-Oct-22	140	69	25	10.12	12.01
22-Oct-22	132	60	22	11.38	16.38
28-Oct-22	130	58	21	17.66	20.40
29-Oct-22	128	55	19	12.38	14.69
03-Nov-22	139	68	25	15.23	18.35
04-Nov-22	133	62	22	16.45	20.12
09-Nov-22	142	73	26	13.65	14.50
10-Nov-22	130	59	20	14.52	17.21
18-Nov-22	142	71	26	17.55	20.22
19-Nov-22	136	65	24	13.25	17.54
25-Nov-22	145	74	27	11.58	16.58
26-Nov-22	133	62	22	10.26	14.52
01-Dec-22	158	76	28	15.11	15.34
02-Dec-22	153	71	26	13.87	25.84
08-Dec-22	161	78	29	8.88	13.65
09-Dec-22	145	68	25	13.39	13.18
15-Dec-22	150	71	26	16.33	19.23
16-Dec-22	153	74	27	14.52	16.23
22-Dec-22	163	81	30	15.26	19.23
23-Dec-22	145	69	25	19.23	23.75
29-Dec-22	136	60	20	12.71	17.54
30-Dec-22	131	58	18	14.36	17.96
04-Jan-23	156	76	28	12.61	14.06
05-Jan-23	162	81	30	11.21	13.59
11-Jan-23	158	79	29	9.52	14.75
12-Jan-23	146	69	25	11.27	16.64
16-Jan-23	160	79	29	14.50	17.52
17-Jan-23	151	71	26	16.52	11.52
23-Jan-23	144	65	24	12.50	16.32
24-Jan-23	155	74	27	11.20	17.52

30-Jan-23	145	69	25	16.23	15.25
31-Jan-23	149	72	28	12.21	11.27
01-Feb-23	138	62	22	19.26	18.26
02-Feb-23	148	70	26	14.52	13.26
06-Feb-23	143	66	24	12.26	17.55
07-Feb-23	148	71	26	18.56	19.23
10-Feb-23	157	78	29	12.26	17.56
11-Feb-23	161	82	30	16.23	18.56
16-Feb-23	151	70	26	17.56	20.21
17-Feb-23	154	73	27	15.55	17.65
23-Feb-23	158	78	29	13.57	18.56
24-Feb-23	145	68	25	16.54	19.56
01-Mar-23	158	77	29	13.44	12.56
02-Mar-23	145	68	25	18.56	16.74
06-Mar-23	149	72	26	12.56	14.12
07-Mar-23	154	74	27	15.56	16.24
15-Mar-23	141	62	23	18.56	16.54
16-Mar-23	135	60	20	13.22	16.25
22-Mar-23	156	76	28	10.22	14.55
23-Mar-23	143	66	24	10.22	12.52
27-Mar-23	136	60	20	13.22	19.25
28-Mar-23	146	69	25	11.22	16.22
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	175	87	33	21.89	35.32
Minimum	105	54	18	9	11
Average	142.09	69.22	25.10	14.13	18.73
Standard (24 Hrs)		100	60	80	80
Standard (Annual)		60	40	50	40

Table:46
Area: Kaniha
Project: Kaniha OCP
Monitoring Station: South West of Mine

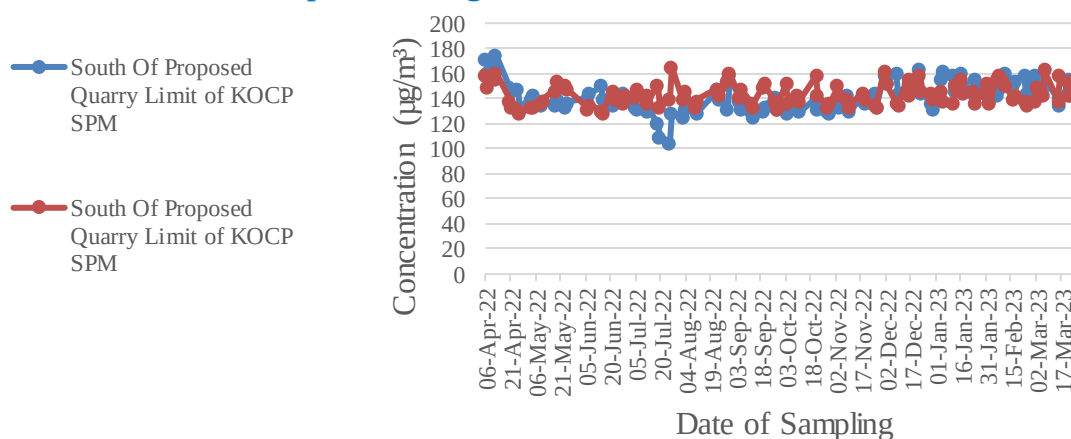
All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
06-Apr-22	158	66	23	14.08	22.68
07-Apr-22	149	67	24	18.37	25.98
11-Apr-22	155	69	27	16.32	33.64
12-Apr-22	161	71	28	18.04	25.83
20-Apr-22	138	82	33	16.48	28.47
21-Apr-22	134	80	35	16.54	27.21
26-Apr-22	131	77	34	16.54	26.94
27-Apr-22	128	75	36	16.94	25.64
03-May-22	133	64	24	15.58	30.7
04-May-22	134	67	25	12.36	23.98
10-May-22	136	70	26	15.02	26.32
11-May-22	138	72	28	17.3	21.06
17-May-22	146	75	28	13.26	22.58
18-May-22	154	81	32	16.32	20.26
24-May-22	150	78	30	18.56	21.89
25-May-22	148	76	29	10.23	18.74
07-Jun-22	132	62	23	13.68	23.61
08-Jun-22	135	64	24	14.61	17.35
14-Jun-22	130	60	22	16.79	18.89
15-Jun-22	128	58	20	13.37	18.13
21-Jun-22	146	73	28	11.79	18.02
22-Jun-22	140	70	26	15.63	24.2
27-Jun-22	136	67	25	20.79	29.13
28-Jun-22	142	71	27	15.06	21.24
04-Jul-22	141	70	26	17.87	19.56
05-Jul-22	148	74	28	18.21	21.69
11-Jul-22	143	72	27	13.8	17.92
12-Jul-22	137	67	25	15.46	22.82
18-Jul-22	151	69	23	13.76	15.77
19-Jul-22	133	76	28	14.04	18.57
25-Jul-22	140	84	30	11.01	13.68
26-Jul-22	165	92	33	15.39	18.57
02-Aug-22	140	70	26	11.63	12.93

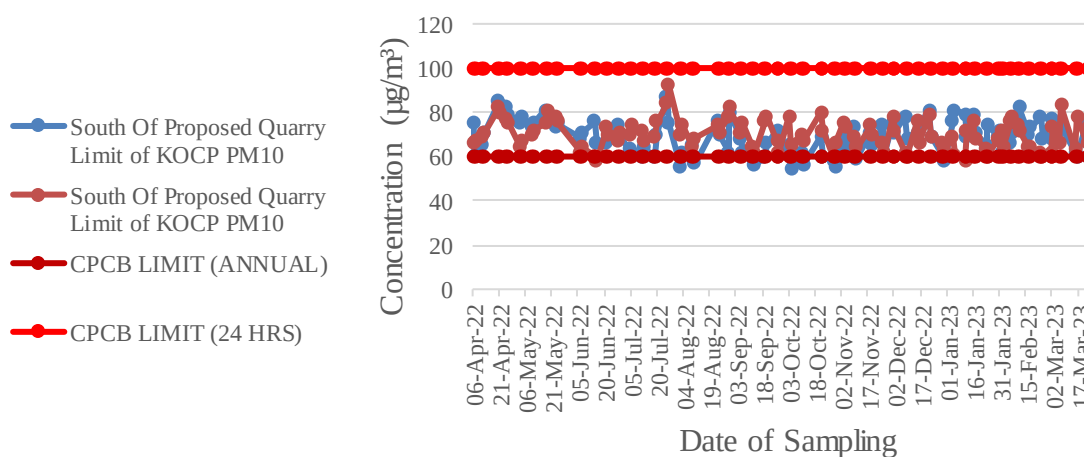
03-Aug-22	146	74	28	15.44	20.11
09-Aug-22	133	64	24	16.86	17.84
10-Aug-22	138	68	25	15.14	17.72
23-Aug-22	148	74	28	10.23	13.22
24-Aug-22	142	71	26	14.22	18.55
29-Aug-22	154	78	29	12.23	17.25
30-Aug-22	160	82	31	10.22	15.22
06-Sep-22	141	71	36	14.99	23.74
07-Sep-22	147	75	28	11.39	17.15
12-Sep-22	136	64	24	15.2	26.18
13-Sep-22	134	62	23	16.44	23.65
19-Sep-22	149	76	28	11.97	18.96
20-Sep-22	152	78	29	14.84	22.34
26-Sep-22	138	67	25	11.34	19.53
27-Sep-22	132	62	22	17.82	25.63
03-Oct-22	152	78	29	14.08	22.68
04-Oct-22	136	65	24	13.52	17.52
10-Oct-22	142	70	26	16.32	21.23
11-Oct-22	138	67	25	18.04	20.22
21-Oct-22	158	80	30	13.68	23.61
26-Oct-22	142	72	26	14.61	17.35
28-Oct-22	134	60	22	16.79	18.89
29-Oct-22	136	66	24	13.37	18.13
03-Nov-22	150	75	28	15.23	17.45
04-Nov-22	143	73	26	17.52	22.56
09-Nov-22	140	69	25	13.28	18.45
10-Nov-22	134	64	23	11.56	21.45
18-Nov-22	145	74	27	11.25	19.58
19-Nov-22	139	70	25	14.52	19.56
25-Nov-22	135	66	24	19.78	20.21
26-Nov-22	133	62	22	15.52	17.52
01-Dec-22	162	78	29	9.52	14.75
02-Dec-22	152	72	26	11.27	16.64
08-Dec-22	137	62	22	13.58	23.45
09-Dec-22	135	60	20	15.96	22.44
15-Dec-22	156	76	28	16.23	21.56
16-Dec-22	142	66	24	12.53	17.52
22-Dec-22	159	79	29	14.32	20.56
23-Dec-22	146	69	25	17.23	14.52
29-Dec-22	144	66	24	15.21	18.31
30-Dec-22	140	63	22	12.97	18.96
04-Jan-23	146	69	25	14.39	22.29
05-Jan-23	138	61	22	12.96	18.77
11-Jan-23	136	58	21	17.09	15.19
12-Jan-23	151	72	26	13.36	15.78
17-Jan-23	156	76	28	17.52	21.2
18-Jan-23	145	68	25	13.52	17.52
24-Jan-23	146	63	23	16.52	20.21
25-Jan-23	136	60	21	20.23	13.26

29-Jan-23	145	68	23	12.25	11.09
30-Jan-23	152	67	28	15.02	16.25
01-Feb-23	149	72	26	18.56	12.26
02-Feb-23	136	64	22	19.32	16.32
06-Feb-23	156	76	28	17.54	12.26
07-Feb-23	158	78	29	10.01	16.24
09-Feb-23	154	74	27	11.25	19.32
10-Feb-23	150	72	26	15.26	17.26
16-Feb-23	140	64	23	11.52	18.56
17-Feb-23	143	64	24	16.56	12.54
23-Feb-23	138	62	22	11.52	18.56
24-Feb-23	135	60	20	11.52	12.56
01-Mar-23	138	62	22	15.56	16.55
02-Mar-23	149	73	26	17.89	20.21
06-Mar-23	143	66	24	16.32	24.58
07-Mar-23	163	83	32	20.25	13.56
16-Mar-23	138	63	22	17.22	18.23
17-Mar-23	158	78	29	10.23	14.22
22-Mar-23	143	66	24	12.22	17.25
23-Mar-23	154	74	27	11.23	14.88
27-Mar-23	138	64	22	12.22	16.23
28-Mar-23	158	78	29	11.52	15.23
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	165	92	36	20.79	33.64
Minimum	128	58	20	10	11
Average	143.77	70.12	26.06	14.73	19.56
Standard (24 Hrs)		100	60	80	80
Standard (Annual)		60	40	50	40

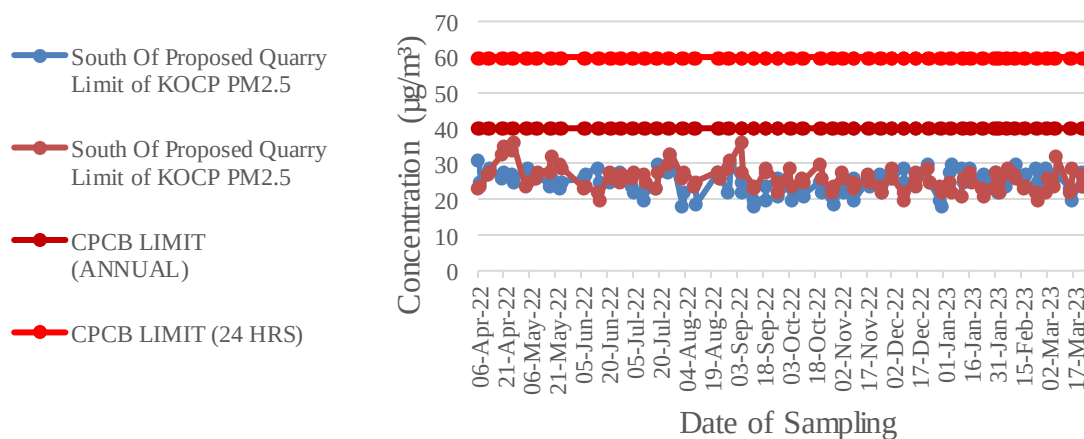
Graph Showing SPM for Kaniha OCP



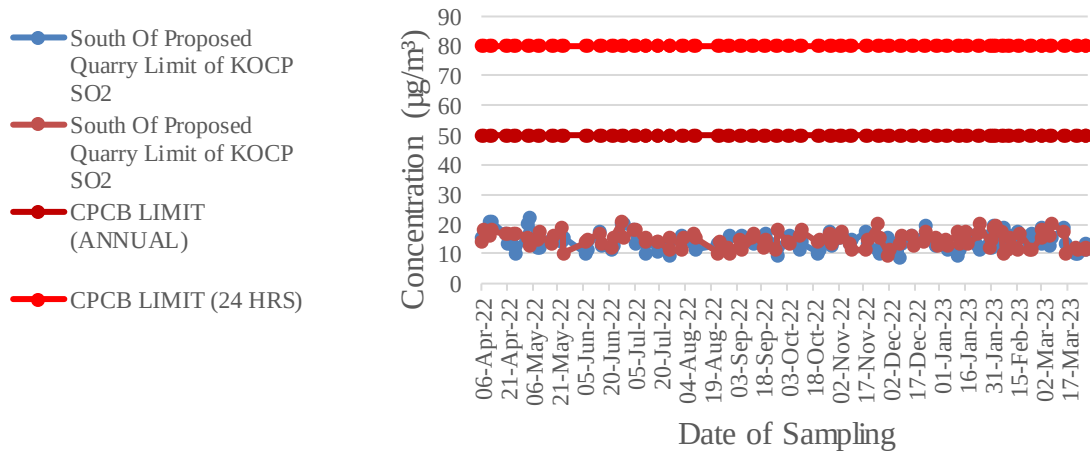
Graph Showing PM_{10} for Kaniha OCP



Graph Showing $\text{PM}_{2.5}$ for Kaniha OCP



Graph Showing SO₂ for Kaniha OCP



Graph Showing NO_x for Kaniha OCP

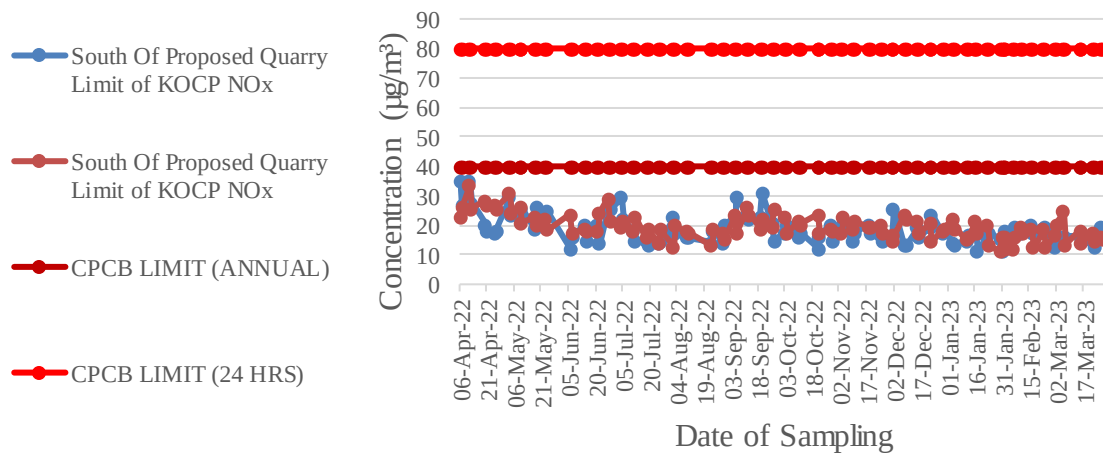


Table:47
Area: Hingula
Project: Balram OCP
Monitoring Station: Natada Village

All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
08-Apr-22	130	65	27	20.08	31.28
09-Apr-22	135	67	28	14.55	37.55
14-Apr-22	134	68	29	14.65	27.32
15-Apr-22	136	67	28	14.19	25.35
22-Apr-22	126	74	27	16.31	21.15
23-Apr-22	123	75	29	9.45	20.46
29-Apr-22	127	73	28	13.21	18.25
30-Apr-22	129	77	25	10.32	16.89
06-May-22	134	64	25	12.27	22.08
07-May-22	139	68	27	20.83	26.55
13-May-22	137	66	26	20.65	25.72
14-May-22	135	68	27	22.72	30.86
20-May-22	132	72	24	14.88	24.56
21-May-22	130	69	23	12.33	18.56
27-May-22	128	68	22	14.20	22.44
28-May-22	126	67	21	16.22	22.54
03-Jun-22	143	69	26	17.69	24.95
04-Jun-22	145	72	27	11.60	15.73
10-Jun-22	135	63	24	14.23	19.15
11-Jun-22	132	61	23	19.94	21.85
17-Jun-22	135	66	25	15.40	21.09
18-Jun-22	134	63	24	10.87	19.99
24-Jun-22	132	62	23	17.39	26.38
25-Jun-22	130	61	21	18.67	23.60
30-Jun-22	136	65	25	17.34	22.73
07-Jul-22	148	75	28	14.00	18.18
08-Jul-22	141	71	26	13.16	19.74
13-Jul-22	138	67	25	14.76	17.28
14-Jul-22	134	65	24	15.31	20.67
21-Jul-22	128	73	28	14.92	17.51
23-Jul-22	169	85	36	11.79	12.42
27-Jul-22	163	84	33	10.41	16.20
28-Jul-22	179	90	34	8.73	11.96

04-Aug-22	138	68	25	17.44	19.40
05-Aug-22	141	70	26	14.59	16.07
11-Aug-22	136	65	24	16.91	20.37
12-Aug-22	133	63	23	15.35	17.96
19-Aug-22	135	85	34	10.23	14.22
20-Aug-22	139	68	25	12.22	17.25
25-Aug-22	130	61	21	11.23	14.88
26-Aug-22	133	62	22	12.22	16.23
07-Sep-22	144	73	27	14.44	21.79
08-Sep-22	138	68	25	16.69	27.01
14-Sep-22	132	62	22	15.20	24.07
15-Sep-22	135	65	24	17.09	25.72
21-Sep-22	151	77	29	16.57	25.00
22-Sep-22	138	68	25	0.17	0.27
29-Sep-22	136	65	24	16.77	26.57
30-Sep-22	131	62	22	13.78	19.98
03-Oct-22	134	62	23	11.25	17.52
04-Oct-22	154	78	29	14.55	20.23
10-Oct-22	136	65	24	14.65	20.23
11-Oct-22	139	67	25	14.19	17.52
21-Oct-22	145	74	27	17.67	24.95
22-Oct-22	134	63	23	11.60	15.73
28-Oct-22	139	69	25	14.23	19.15
29-Oct-22	131	59	21	19.94	21.85
03-Nov-22	155	78	29	10.52	16.54
04-Nov-22	146	74	27	15.23	17.85
09-Nov-22	140	68	25	14.25	16.28
10-Nov-22	136	65	24	17.89	21.23
18-Nov-22	132	63	22	15.23	18.56
19-Nov-22	134	64	23	16.10	20.23
25-Nov-22	150	76	28	11.25	13.77
26-Nov-22	142	71	26	14.20	17.98
01-Dec-22	152	72	26	17.35	18.22
02-Dec-22	130	56	18	13.15	14.39
08-Dec-22	142	64	23	15.85	14.03
09-Dec-22	146	67	25	13.49	19.92
15-Dec-22	159	78	29	14.56	12.56
16-Dec-22	136	59	20	18.52	16.56
22-Dec-22	145	68	25	13.25	17.58
23-Dec-22	149	72	26	17.36	15.58
29-Dec-22	147	69	25	12.98	15.63
30-Dec-22	158	78	29	11.92	18.32
04-Jan-23	208	106	48	11.69	13.70
05-Jan-23	175	87	36	16.43	17.62
11-Jan-23	180	90	38	13.24	18.38
12-Jan-23	188	97	42	11.02	19.46
24-Jan-23	144	66	24	13.52	19.52
25-Jan-23	147	69	25	10.52	16.52
30-Jan-23	157	79	29	10.52	19.52

31-Jan-23	165	84	32	12.52	13.26
03-Feb-23	154	74	27	11.56	13.89
04-Feb-23	132	56	18	16.56	17.56
08-Feb-23	138	63	22	13.52	12.26
09-Feb-23	151	70	26	15.45	17.56
14-Feb-23	145	65	24	13.21	15.41
15-Feb-23	137	62	22	16.36	21.26
20-Feb-23	151	72	26	15.25	18.56
21-Feb-23	154	74	27	14.54	19.00
27-Feb-23	143	66	24	15.56	18.56
28-Feb-23	141	64	23	11.20	13.52
03-Mar-23	154	74	27	16.88	17.25
04-Mar-23	140	64	23	12.56	14.54
09-Mar-23	159	79	29	11.52	16.58
10-Mar-23	152	66	24	13.56	10.25
14-Mar-23	166	83	32	12.56	15.26
15-Mar-23	158	72	26	15.54	17.89
20-Mar-23	165	83	32	19.31	26.07
21-Mar-23	154	74	27	17.06	25.08
29-Mar-23	150	74	26	12.37	16.87
30-Mar-23	158	79	29	12.27	24.12
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	208	106	48	22.72	37.55
Minimum	123	56	18	0	0
Average	143.59	70.42	26.22	14.38	19.22
Standard (24 Hrs)		100	60	80	80
Standard (Annual)		60	40	50	40

Table:48
Area: Hingula
Project: Balram OCP
Monitoring Station: Near Natedi Village

All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
08-Apr-22	135	69	27	22.14	34.76
09-Apr-22	140	65	26	21.01	29.55
13-Apr-22	142	61	23	20.37	29.01
14-Apr-22	133	63	25	19.47	24.82
22-Apr-22	128	75	33	17.05	24.01
23-Apr-22	133	79	30	10.56	24.12
28-Apr-22	141	82	29	12.37	16.87
29-Apr-22	138	81	31	12.27	24.12
06-May-22	130	64	23	14.97	24.13
07-May-22	135	65	25	16.53	27.31
12-May-22	128	62	22	13.93	23.51
13-May-22	133	66	24	19.09	25.24
20-May-22	143	78	29	11.56	18.33
21-May-22	143	75	27	16.32	20.33
26-May-22	140	74	26	12.54	19.44
27-May-22	141	77	28	13.22	24.33
03-Jun-22	149	78	29	23.03	24.01
04-Jun-22	147	75	28	16.64	22.58
10-Jun-22	142	70	26	11.99	15.61
11-Jun-22	139	66	25	13.3	22.11
17-Jun-22	140	67	26	10.62	16.11
18-Jun-22	147	74	28	11.78	14.89
24-Jun-22	143	71	27	13.71	18.48
25-Jun-22	132	60	22	11.21	19.24
02-Jul-22	140	69	26	17.73	21.2
08-Jul-22	147	74	28	14.18	15.18
09-Jul-22	136	64	24	11.16	14.26
13-Jul-22	134	63	23	11.28	17.23
14-Jul-22	138	66	25	12.53	13.46
22-Jul-22	115	66	22	11.11	16.38
23-Jul-22	140	86	30	14.99	16.71
27-Jul-22	165	91	28	13.2	15.7
28-Jul-22	126	80	26	9.2	12.68
05-Aug-22	129	60	20	17.16	19.09
06-Aug-22	126	57	18	14.97	16.91
11-Aug-22	125	55	17	13.85	17.18
12-Aug-22	123	54	15	15.68	18.35
19-Aug-22	134	64	23	13.45	16.25
20-Aug-22	130	60	20	10.25	13.22
25-Aug-22	132	62	21	17.25	20.85
26-Aug-22	138	67	25	17.22	18.23

07-Sep-22	138	67	25	16.81	25.31
08-Sep-22	130	60	20	13.79	23.03
14-Sep-22	142	71	26	15.52	24.59
15-Sep-22	131	61	21	14.97	23.24
21-Sep-22	146	72	26	14.75	22.2
22-Sep-22	135	66	24	12.85	21.46
29-Sep-22	132	62	22	13.52	21.42
30-Sep-22	129	60	20	16.63	25.83
03-Oct-22	130	56	21	11.25	16.25
04-Oct-22	132	62	23	11.25	15.28
10-Oct-22	136	65	24	11.25	13.25
11-Oct-22	148	75	28	15.26	20.25
21-Oct-22	143	71	26	18.48	17.88
22-Oct-22	132	63	23	21.1	25.79
28-Oct-22	130	58	21	14.97	24.13
29-Oct-22	128	56	19	13.3	22.11
03-Nov-22	135	64	24	14.58	21.2
04-Nov-22	132	62	22	10.52	17.58
09-Nov-22	143	72	26	13.22	20.85
10-Nov-22	132	62	22	17.89	12.22
18-Nov-22	141	71	26	11.58	16.56
19-Nov-22	145	74	27	14.88	20.2
25-Nov-22	139	68	25	10.22	16.54
26-Nov-22	136	65	24	13.65	16.88
01-Dec-22	154	74	27	12.63	14.92
02-Dec-22	146	69	25	10.69	14.2
08-Dec-22	140	64	23	9.53	15.64
09-Dec-22	137	62	21	10.3	12.07
15-Dec-22	160	79	29	13.56	12.56
16-Dec-22	137	62	21	13.56	15.56
22-Dec-22	140	63	22	12.56	17.32
23-Dec-22	135	60	20	12.2	16.52
29-Dec-22	139	63	22	14.31	17.39
30-Dec-22	153	75	27	13.65	16.85
04-Jan-23	154	74	27	17.35	18.22
05-Jan-23	139	63	23	13.15	14.39
11-Jan-23	145	69	25	15.85	14.03
12-Jan-23	136	59	21	13.49	19.92
19-Jan-23	145	66	24	10.52	14.52
20-Jan-23	138	63	22	15.52	13.52
24-Jan-23	151	72	26	12.88	16.52
25-Jan-23	135	60	20	13.52	17.85
29-Jan-23	137	62	26	11.29	15.68
30-Jan-23	142	68	24	11.02	15.54
03-Feb-23	138	62	22	13.56	12.56
04-Feb-23	143	66	24	12.26	18.56
08-Feb-23	135	60	20	14.56	18.95
09-Feb-23	149	72	26	10.23	12.26
14-Feb-23	136	62	21	11.26	15.56

15-Feb-23	157	77	29	17.58	16.32
20-Feb-23	157	78	29	16.56	19.56
21-Feb-23	155	76	28	10.52	12.26
27-Feb-23	150	72	26	13.55	17.56
28-Feb-23	146	68	25	14.52	19.1
03-Mar-23	149	86	26	11.52	17.56
04-Mar-23	155	76	28	12.52	15.65
09-Mar-23	139	63	22	10.23	18.54
10-Mar-23	146	68	25	11.26	14.44
14-Mar-23	143	66	24	10.21	13.58
15-Mar-23	158	78	29	12.56	16.41
20-Mar-23	143	66	24	11.22	15.22
21-Mar-23	149	71	26	14.22	16.22
29-Mar-23	164	84	32	13.64	18.89
30-Mar-23	159	79	29	11.28	17.45
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	165	91	33	23.03	34.76
Minimum	115	54	15	9	12
Average	139.99	68.14	24.62	13.85	18.57
Standard (24 Hrs)		100	60	80	80
Standard (Annual)		60	40	50	40

Table:49

Area: Hingula**Project:** Balram OCP**Monitoring Station:** North West of the Mine, Solda Village (Reported Only)*All values are in $\mu\text{g}/\text{m}^3$*

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
07-Apr-22	143	62	24	21.3	31.06
08-Apr-22	145	64	26	17.65	31.88
13-Apr-22	149	65	25	20.35	27.07
14-Apr-22	137	61	23	16.95	33.76
22-Apr-22	143	81	28	16.13	20.76
23-Apr-22	147	85	26	11.25	16.48
28-Apr-22	144	83	25	13.64	18.89
29-Apr-22	149	84	26	11.28	17.45
06-May-22	139	68	28	18.46	30.92
07-May-22	102	70	28	22.48	29.4
12-May-22	135	68	25	22.3	28.43
12-May-22	133	65	24	16.13	23.57
20-May-22	139	68	26	18.56	23.56
21-May-22	134	66	24	11.43	18.2
26-May-22	132	64	23	13.43	17.33
27-May-22	130	62	21	10.55	14.55
02-Jun-22	132	61	22	12.87	16.86
03-Jun-22	134	64	23	13.63	21.04
10-Jun-22	136	65	24	12.5	18.02
11-Jun-22	143	68	26	13.42	23.9
16-Jun-22	136	65	25	13.51	19.57
17-Jun-22	132	63	24	13.3	17.08
24-Jun-22	141	68	26	11.39	12.57
25-Jun-22	133	60	22	17.9	25.25
30-Jun-22	152	75	29	18.29	27.49
02-Jul-22	140	68	26	14.01	16.3
07-Jul-22	134	63	24	15.02	16.23
08-Jul-22	132	60	21	11.21	14.31
13-Jul-22	135	64	23	14.8	17.69
14-Jul-22	140	68	25	16.45	17.42
21-Jul-22	115	71	24	14.01	17.4
22-Jul-22	136	78	22	9.23	11.04
27-Jul-22	123	80	26	10.67	13.7
28-Jul-22	109	66	26	12.34	14.67
04-Aug-22	123	54	16	12.3	19.38
05-Aug-22	130	59	20	16.32	19.09
11-Aug-22	133	62	22	14.68	16.07
12-Aug-22	126	56	18	9.55	13.01
18-Aug-22	132	62	22	12.23	17.52
19-Aug-22	130	60	20	16.22	19.22
25-Aug-22	125	56	18	12.23	15.26

26-Aug-22	206	112	50	14.22	16.88
05-Sep-22	132	63	22	16.15	25.59
06-Sep-22	130	60	20	14.62	22.09
12-Sep-22	146	73	27	9.96	18.46
13-Sep-22	134	63	23	12.61	25.97
19-Sep-22	130	60	20	15.45	24.48
20-Sep-22	125	56	18	13.79	20.84
26-Sep-22	133	63	23	10.06	18.64
27-Sep-22	141	70	26	7.25	14.94
03-Oct-22	135	65	24	11.52	15.23
04-Oct-22	132	59	22	10.2	14.2
10-Oct-22	147	75	28	20.35	22.25
11-Oct-22	141	70	26	12.25	17.52
21-Oct-22	132	60	22	11.94	16.2
22-Oct-22	130	55	20	17.24	21.67
28-Oct-22	141	71	26	18.46	25.85
29-Oct-22	134	63	23	17.5	26.99
03-Nov-22	144	74	27	12.58	14.25
04-Nov-22	140	68	25	11.25	15.32
09-Nov-22	134	62	23	10.56	16.55
10-Nov-22	131	60	21	15.78	22.25
18-Nov-22	153	77	29	10.22	18.56
19-Nov-22	146	74	27	13.69	16.45
25-Nov-22	140	69	25	11.52	14.52
26-Nov-22	135	63	23	13.55	17.78
01-Dec-22	155	74	27	14.39	22.29
02-Dec-22	143	64	24	12.96	18.77
08-Dec-22	139	62	22	17.09	15.19
09-Dec-22	132	58	19	16.23	22.63
15-Dec-22	143	66	24	16.75	13.52
16-Dec-22	139	62	22	10.52	14.52
22-Dec-22	130	56	18	14.88	18.65
23-Dec-22	135	60	20	14.2	20.21
29-Dec-22	128	55	17	11.77	17.36
30-Dec-22	133	58	19	15.36	18.63
04-Jan-23	172	88	34	16.87	22.65
05-Jan-23	159	79	29	11.33	18.59
11-Jan-23	151	71	26	12.63	14.92
12-Jan-23	138	63	23	10.69	14.2
19-Jan-23	146	68	25	10.2	14.52
20-Jan-23	137	62	21	13.75	18.88
24-Jan-23	139	63	22	17.52	19.52
25-Jan-23	136	60	20	12.76	16.52
30-Jan-23	135	58	22	11.25	15.24
31-Jan-23	148	58	25	13.02	17.2
01-Feb-23	162	82	30	17.56	18.62
02-Feb-23	186	96	40	18.56	12.25
06-Feb-23	196	107	45	12.25	17.52
07-Feb-23	166	86	33	10.25	16.23

10-Feb-23	156	76	28	14.25	16.25
11-Feb-23	159	78	29	10.23	12.26
16-Feb-23	137	62	22	18.56	16.26
17-Feb-23	139	64	23	14.52	18.45
23-Feb-23	143	65	24	10.21	13.52
24-Feb-23	150	71	26	12.54	18.56
01-Mar-23	142	62	22	11.23	14.56
02-Mar-23	158	78	29	14.52	16.32
06-Mar-23	156	76	28	12.23	14.52
07-Mar-23	143	65	24	10.23	13.22
14-Mar-23	154	74	27	11.23	17.58
15-Mar-23	146	68	25	11.25	12.56
16-Mar-23	156	76	28	12.23	14.52
17-Mar-23	143	65	24	10.23	13.22
22-Mar-23	136	62	21	12.23	17.52
23-Mar-23	139	64	23	16.22	19.22
27-Mar-23	135	61	20	12.23	15.26
28-Mar-23	143	66	24	14.22	16.88
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	206	112	50	22.48	33.76
Minimum	102	54	16	7	11
Average	140.54	67.65	24.54	13.83	18.58
Standard (24 Hrs)		100	60	80	80
Standard (Annual)		60	40	50	40

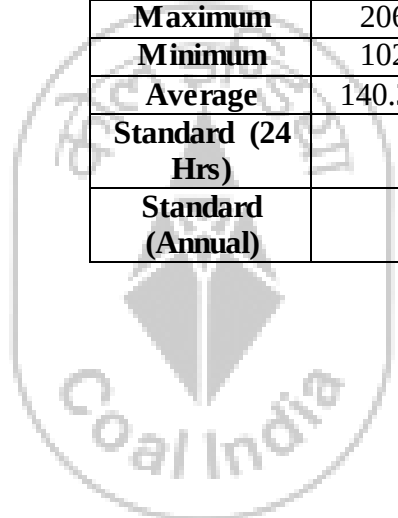
Table:50
Area: Hingula
Project: Hingula OCP
Monitoring Station: North East of the Mine, Solda Village

All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
07-Apr-22	143	62	24	21.3	31.06
08-Apr-22	145	64	26	17.65	31.88
13-Apr-22	149	65	25	20.35	27.07
14-Apr-22	137	61	23	16.95	33.76
22-Apr-22	143	81	28	16.13	20.76
23-Apr-22	147	85	26	11.25	16.48
28-Apr-22	144	83	25	13.64	18.89
29-Apr-22	149	84	26	11.28	17.45
06-May-22	139	68	28	18.46	30.92
07-May-22	102	70	28	22.48	29.4
12-May-22	133	65	24	16.13	23.57
12-May-22	135	68	25	22.3	28.43
20-May-22	139	68	26	18.56	23.56
21-May-22	134	66	24	11.43	18.2
26-May-22	132	64	23	13.43	17.33
27-May-22	130	62	21	10.55	14.55
02-Jun-22	132	61	22	12.87	16.86
03-Jun-22	134	64	23	13.63	21.04
10-Jun-22	136	65	24	12.5	18.02
11-Jun-22	143	68	26	13.42	23.9
16-Jun-22	136	65	25	13.51	19.57
17-Jun-22	132	63	24	13.3	17.08
24-Jun-22	141	68	26	11.39	12.57
25-Jun-22	133	60	22	17.9	25.25
30-Jun-22	152	75	29	18.29	27.49
02-Jul-22	140	68	26	14.01	16.3
07-Jul-22	134	63	24	15.02	16.23
08-Jul-22	132	60	21	11.21	14.31
13-Jul-22	135	64	23	14.8	17.69
14-Jul-22	140	68	25	16.45	17.42
21-Jul-22	115	71	24	14.01	17.4
22-Jul-22	136	78	22	9.23	11.04
27-Jul-22	123	80	26	10.67	13.7
28-Jul-22	109	66	26	12.34	14.67
04-Aug-22	123	54	16	12.3	19.38
05-Aug-22	130	59	20	16.32	19.09
11-Aug-22	133	62	22	14.68	16.07
12-Aug-22	126	56	18	9.55	13.01
18-Aug-22	132	62	22	12.23	17.52
19-Aug-22	130	60	20	16.22	19.22
25-Aug-22	125	56	18	12.23	15.26

26-Aug-22	206	112	50	14.22	16.88
05-Sep-22	132	63	22	16.15	25.59
06-Sep-22	130	60	20	14.62	22.09
12-Sep-22	146	73	27	9.96	18.46
13-Sep-22	134	63	23	12.61	25.97
19-Sep-22	130	60	20	15.45	24.48
20-Sep-22	125	56	18	13.79	20.84
26-Sep-22	133	63	23	10.06	18.64
27-Sep-22	141	70	26	7.25	14.94
03-Oct-22	135	65	24	11.52	15.23
04-Oct-22	132	59	22	10.2	14.2
10-Oct-22	147	75	28	20.35	22.25
11-Oct-22	141	70	26	12.25	17.52
21-Oct-22	132	60	22	11.94	16.2
22-Oct-22	130	55	20	17.24	21.67
28-Oct-22	141	71	26	18.46	25.85
29-Oct-22	134	63	23	17.5	26.99
03-Nov-22	144	74	27	12.58	14.25
04-Nov-22	140	68	25	11.25	15.32
09-Nov-22	134	62	23	10.56	16.55
10-Nov-22	131	60	21	15.78	22.25
18-Nov-22	153	77	29	10.22	18.56
19-Nov-22	146	74	27	13.69	16.45
25-Nov-22	140	69	25	11.52	14.52
26-Nov-22	135	63	23	13.55	17.78
01-Dec-22	155	74	27	14.39	22.29
02-Dec-22	143	64	24	12.96	18.77
08-Dec-22	139	62	22	17.09	15.19
09-Dec-22	132	58	19	16.23	22.63
15-Dec-22	143	66	24	16.75	13.52
16-Dec-22	139	62	22	10.52	14.52
22-Dec-22	130	56	18	14.88	18.65
23-Dec-22	135	60	20	14.2	20.21
29-Dec-22	128	55	17	11.77	17.36
30-Dec-22	133	58	19	15.36	18.63
04-Jan-23	172	88	34	16.87	22.65
05-Jan-23	159	79	29	11.33	18.59
11-Jan-23	151	71	26	12.63	14.92
12-Jan-23	138	63	23	10.69	14.2
19-Jan-23	146	68	25	10.2	14.52
20-Jan-23	137	62	21	13.75	18.88
24-Jan-23	139	63	22	17.52	19.52
25-Jan-23	136	60	20	12.76	16.52
30-Jan-23	135	58	22	11.25	15.24
31-Jan-23	148	58	25	13.02	17.2
01-Feb-23	162	82	30	17.56	18.62
02-Feb-23	186	96	40	18.56	12.25
06-Feb-23	196	107	45	12.25	17.52
07-Feb-23	166	86	33	10.25	16.23

10-Feb-23	156	76	28	14.25	16.25
11-Feb-23	159	78	29	10.23	12.26
16-Feb-23	137	62	22	18.56	16.26
17-Feb-23	139	64	23	14.52	18.45
23-Feb-23	143	65	24	10.21	13.52
24-Feb-23	150	71	26	12.54	18.56
01-Mar-23	142	62	22	11.23	14.56
02-Mar-23	158	78	29	14.52	16.32
06-Mar-23	156	76	28	12.23	14.52
07-Mar-23	143	65	24	10.23	13.22
14-Mar-23	154	74	27	11.23	17.58
15-Mar-23	146	68	25	11.25	12.56
22-Mar-23	136	62	21	12.23	17.52
23-Mar-23	139	64	23	16.22	19.22
27-Mar-23	135	61	20	12.23	15.26
28-Mar-23	143	66	24	14.22	16.88
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	206	112	50	22.48	33.76
Minimum	102	54	16	7	11
Average	140.37	67.59	24.51	13.88	18.66
Standard (24 Hrs)		100	60	80	80
Standard (Annual)		60	40	50	40



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Table:51

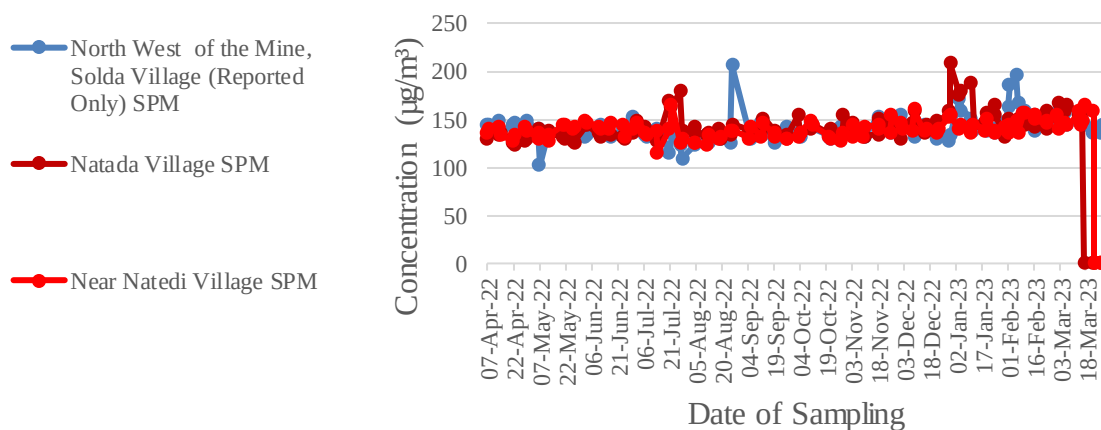
Area: Hingula**Project:** Hingula OCP**Monitoring Station:** North of the Mine, Purnapi, Kumunda Village*All values are in $\mu\text{g}/\text{m}^3$*

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
05-Apr-22	169	71	33	23.08	28.76
06-Apr-22	165	70	31	21.15	36.81
12-Apr-22	163	69	30	18.06	29.19
13-Apr-22	149	66	29	18.5	26.09
22-Apr-22	136	77	32	13.25	18.94
23-Apr-22	129	73	30	13.61	18.21
27-Apr-22	132	75	33	14.21	19.21
28-Apr-22	138	79	31	11.21	16.57
06-May-22	136	66	27	20.33	21.56
07-May-22	154	76	32	18.63	28.39
11-May-22	148	79	30	18.46	25.85
12-May-22	141	77	29	17.5	26.99
20-May-22	155	83	31	17.36	20.23
21-May-22	152	80	30	12.26	18.55
25-May-22	141	70	27	10.23	17.55
26-May-22	145	72	29	15.54	22.21
02-Jun-22	160	83	32	18.06	24.82
03-Jun-22	156	80	30	19.49	25.24
09-Jun-22	147	74	28	14.09	19.68
10-Jun-22	151	77	29	17.34	23.9
16-Jun-22	150	75	29	20.18	25.24
17-Jun-22	148	74	28	17.73	27.39
22-Jun-22	154	82	30	16.13	22.19
23-Jun-22	148	74	28	12.8	14.67
29-Jun-22	140	69	26	16.55	17.76
30-Jun-22	146	73	28	10.1	13.93
07-Jul-22	148	73	28	13.04	19.56
08-Jul-22	152	75	29	12.25	13.29
13-Jul-22	142	70	26	10.32	16.26
14-Jul-22	136	64	24	18.03	24.35
21-Jul-22	182	115	46	11.37	14.73
22-Jul-22	155	90	28	14.74	20.28
27-Jul-22	168	84	31	12.48	16.47
28-Jul-22	133	63	22	15.53	14.66
04-Aug-22	138	68	25	13.83	17.16
05-Aug-22	135	63	24	17.13	19.05
11-Aug-22	132	60	21	18.64	20.64
12-Aug-22	134	63	23	11.13	15.16
17-Aug-22	134	63	24	12.23	14.52
18-Aug-22	140	69	26	14.22	17.52
25-Aug-22	138	66	25	10.23	13.22

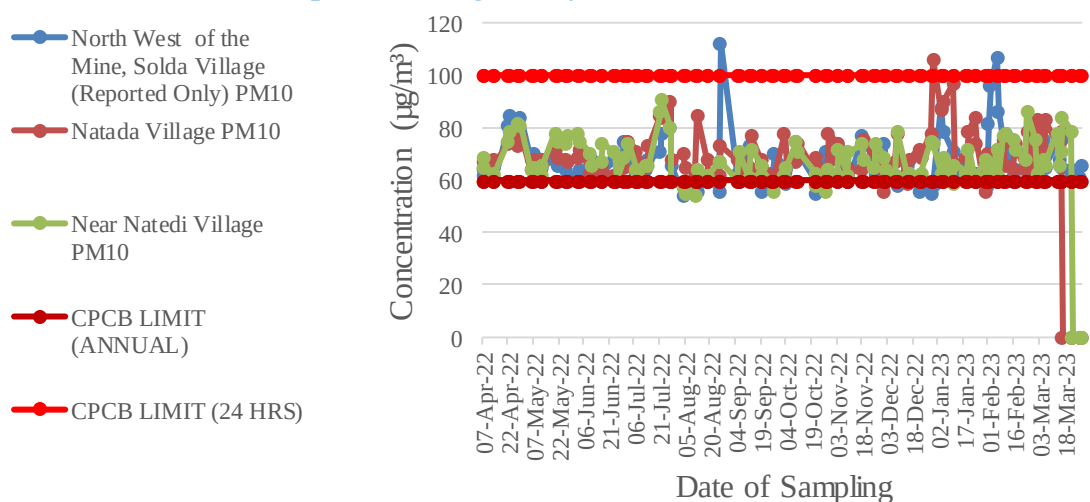
26-Aug-22	148	75	28	13.77	14.25
05-Sep-22	149	76	28	16.78	25.25
06-Sep-22	137	64	25	18.35	27.66
12-Sep-22	141	70	26	11.61	21.51
13-Sep-22	145	74	27	13.77	23
19-Sep-22	143	74	27	16.95	25.52
20-Sep-22	133	65	24	11.36	17.12
26-Sep-22	140	71	26	7.51	13.91
27-Sep-22	132	62	22	11.42	19.07
03-Oct-22	138	67	25	11.52	16.25
04-Oct-22	130	56	21	14.25	22.52
10-Oct-22	141	70	26	11.52	13.52
11-Oct-22	134	62	23	16.32	22.2
21-Oct-22	155	79	29	17.3	21.06
22-Oct-22	138	69	25	20.06	15.88
28-Oct-22	134	63	23	21.89	23.22
29-Oct-22	136	66	24	12.03	22.1
03-Nov-22	151	75	28	11.25	14.52
04-Nov-22	156	77	29	13.22	17.25
09-Nov-22	139	68	25	12.25	14.25
10-Nov-22	142	72	26	10.52	17.23
18-Nov-22	154	78	29	17.52	19.56
19-Nov-22	145	75	27	10.23	14.52
25-Nov-22	136	65	24	17.52	15.22
26-Nov-22	132	62	22	13.25	15.88
01-Dec-22	166	80	30	17.76	26.23
02-Dec-22	168	84	32	15.59	22.89
08-Dec-22	158	75	28	17.02	17.7
09-Dec-22	152	70	26	12.21	20.04
15-Dec-22	157	76	28	12.52	20.53
16-Dec-22	151	72	26	13.52	18.56
22-Dec-22	164	82	30	10.52	19.66
23-Dec-22	146	70	25	15.32	13.52
29-Dec-22	141	63	22	14.21	16.85
30-Dec-22	151	71	26	13.92	16.45
04-Jan-23	137	60	22	15.11	15.34
05-Jan-23	135	55	20	13.87	25.84
11-Jan-23	141	71	26	8.88	13.65
12-Jan-23	138	63	23	16.23	22.63
17-Jan-23	143	63	24	15.23	16.52
18-Jan-23	138	61	22	14.52	19.56
24-Jan-23	135	59	20	13.52	17.52
25-Jan-23	154	74	27	12.2	16.2
30-Jan-23	143	68	25	11.24	15.55
31-Jan-23	153	72	30	13.19	17.34
01-Feb-23	156	75	28	14.26	18.25
01-Feb-23	160	80	30	12.56	17.56
02-Feb-23	176	92	36	16.26	20.2
06-Feb-23	170	88	34	14.22	17.21

07-Feb-23	166	85	33	12.26	16.52
10-Feb-23	156	75	28	14.25	19.25
11-Feb-23	143	66	24	14.45	17.55
16-Feb-23	164	84	32	16.56	18.21
17-Feb-23	162	82	30	16.52	19.54
23-Feb-23	156	75	28	12.26	18.56
24-Feb-23	158	78	29	10.25	12.56
01-Mar-23	148	66	28	12.23	17.27
02-Mar-23	143	64	24	11.23	18.77
06-Mar-23	142	62	22	15.56	12.56
07-Mar-23	149	72	26	13.21	17.56
16-Mar-23	146	68	25	11.23	14.22
17-Mar-23	162	81	30	16.22	20.22
22-Mar-23	151	71	26	11.52	14.25
23-Mar-23	159	77	29	10.52	16.33
27-Mar-23	153	73	27	13.77	14.25
28-Mar-23	162	81	30	14.22	17.52
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	182	115	46	23.08	36.81
Minimum	129	55	20	8	13
Average	147.68	72.42	27.33	14.42	19.16
Standard (24 Hrs)		100	60	80	80
Standard (Annual)		60	40	50	40

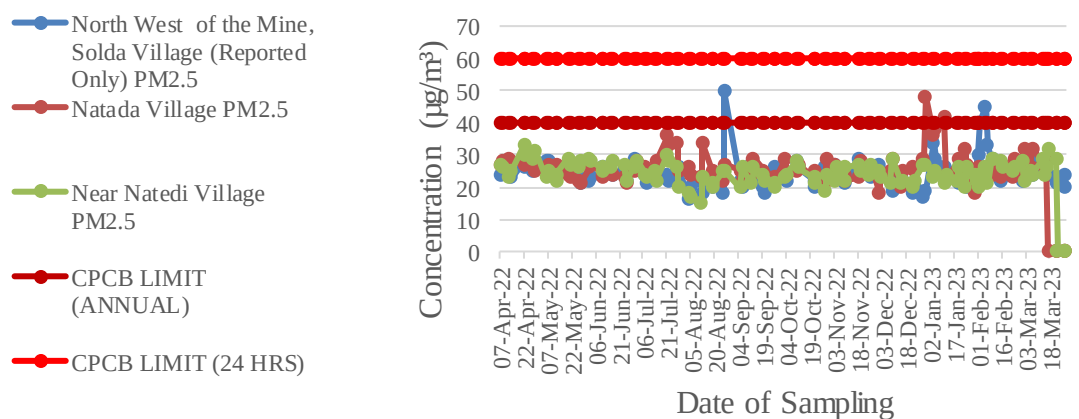
Graph Showing SPM for Balram OCP

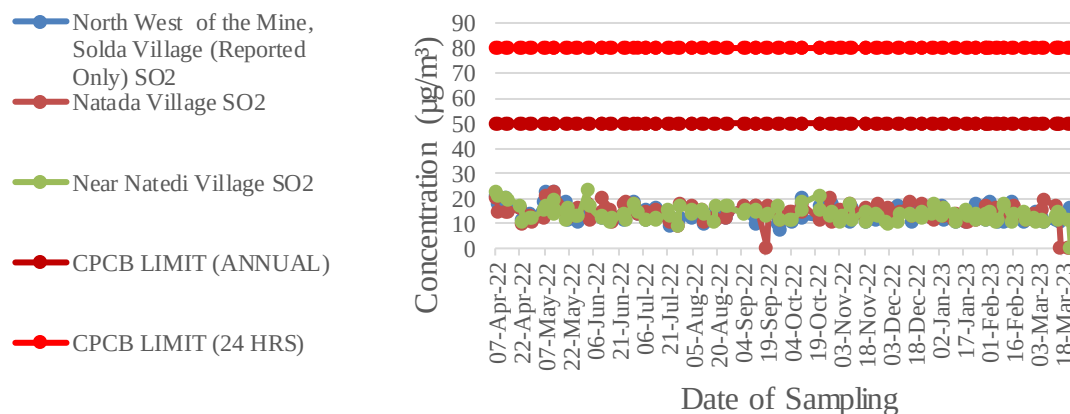
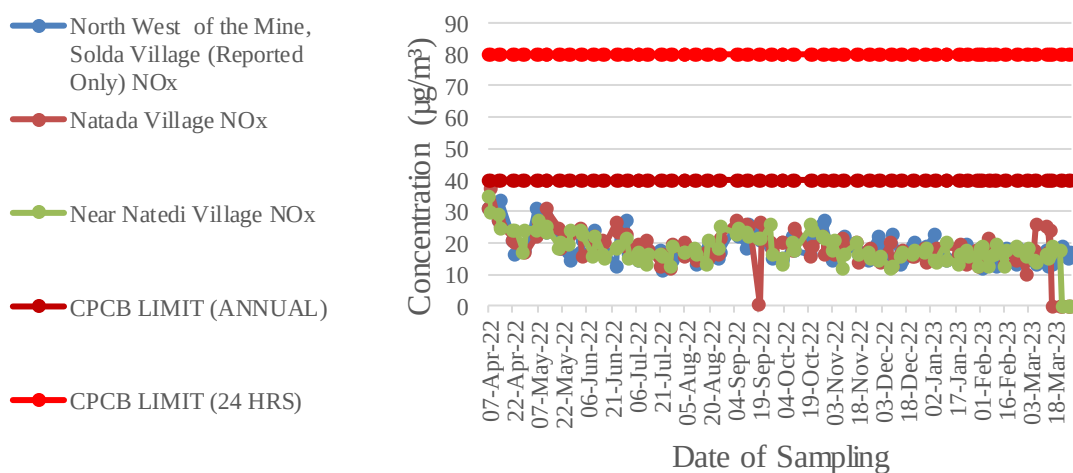


Graph Showing PM₁₀ for Balram OCP

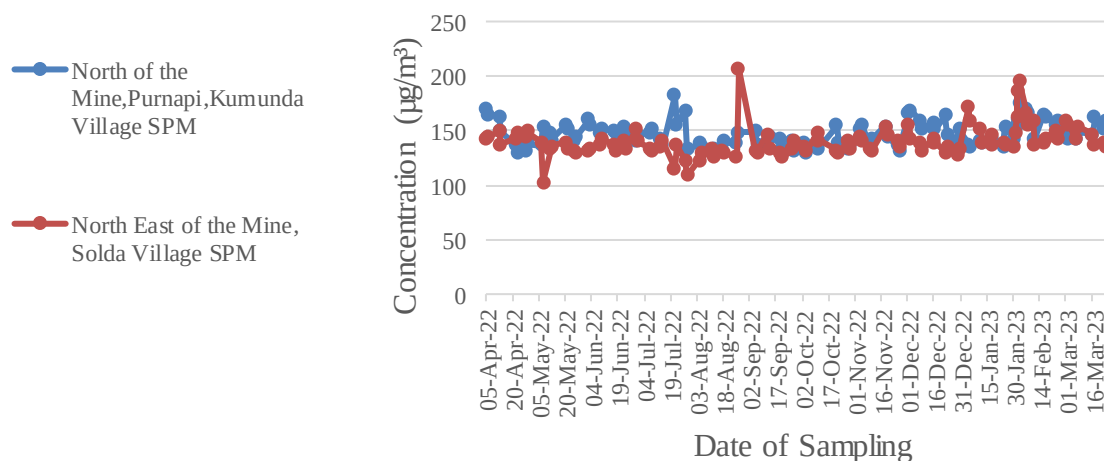


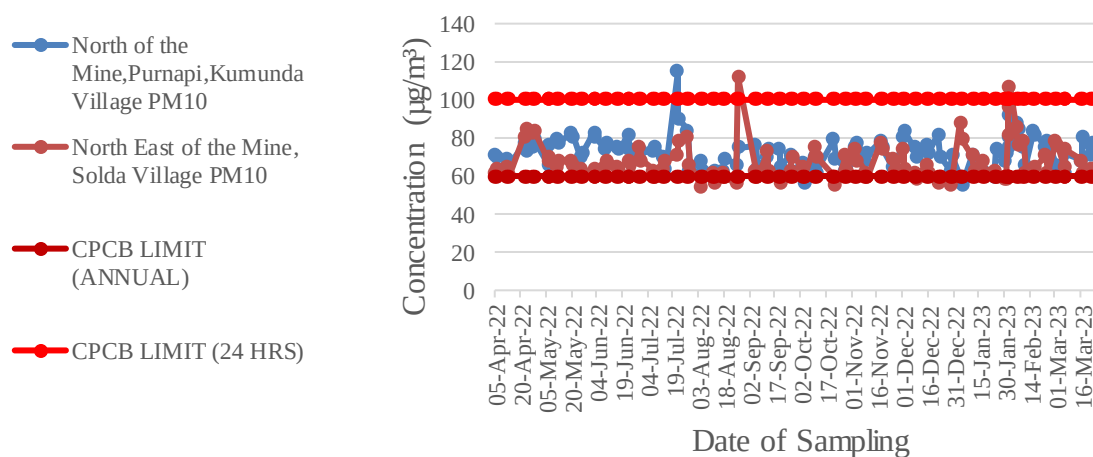
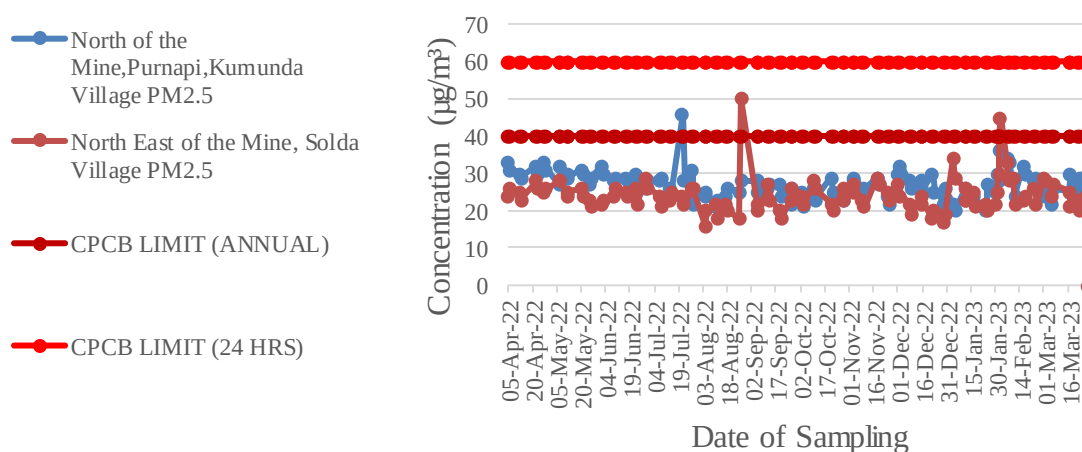
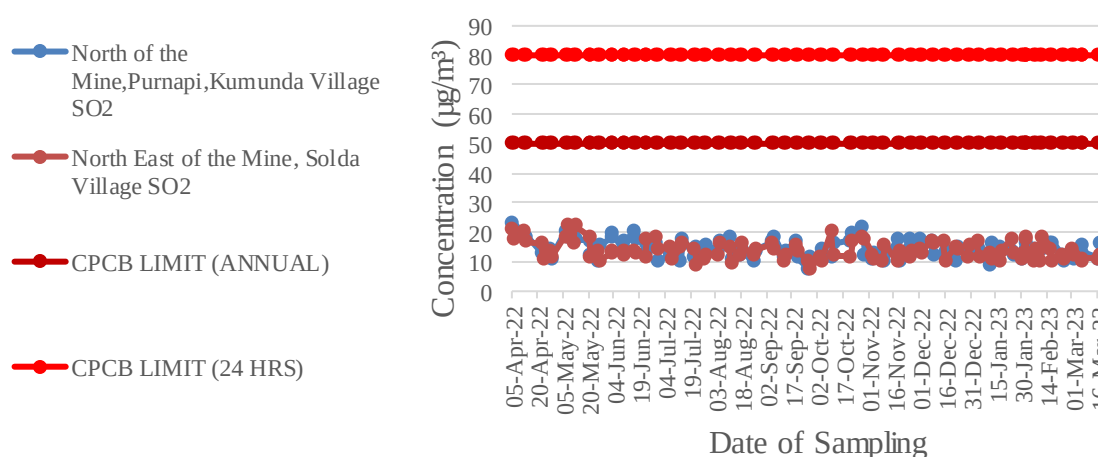
Graph Showing PM_{2.5} for Balram OCP

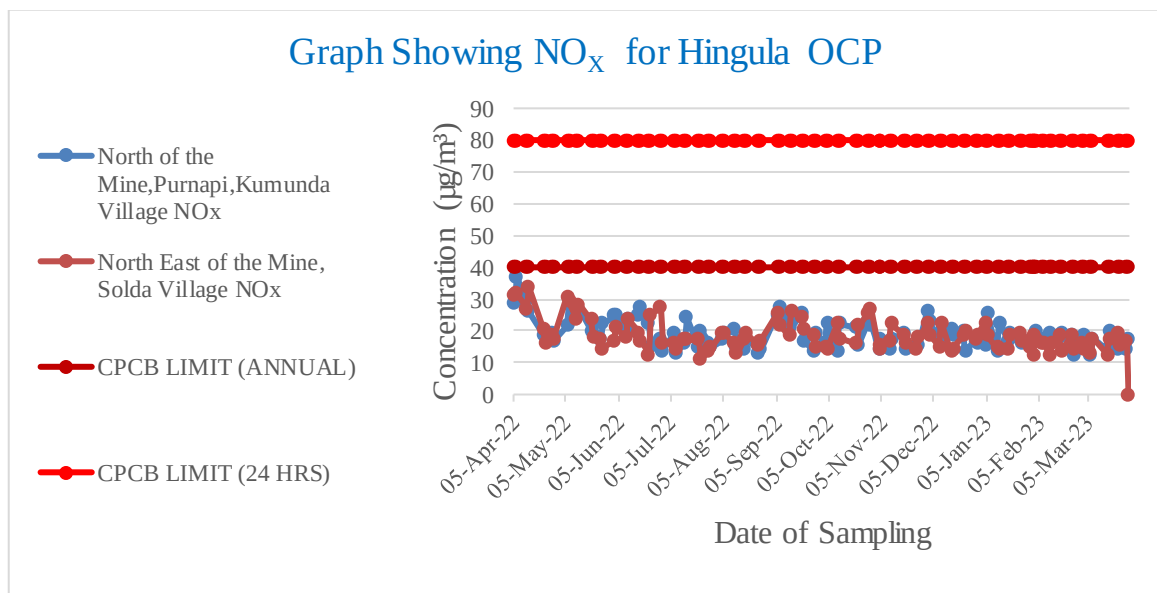


Graph Showing SO₂ for Balram OCPGraph Showing NO_x for Balram OCP

Graph Showing SPM for Hingula OCP



Graph Showing PM₁₀ for Hingula OCPGraph Showing PM_{2.5} for Hingula OCPGraph Showing SO₂ for Hingula OCP



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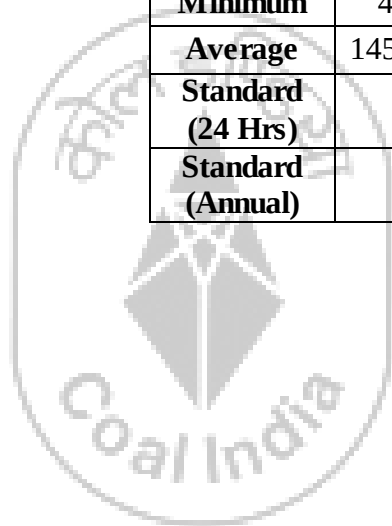
Table:52
Area: Talcher
Project: Nandira Colliery
Monitoring Station: Nandira Colony

All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
08-Apr-22	142	67	24	17.20	34.13
09-Apr-22	143	68	25	14.31	27.36
11-Apr-22	134	62	21	15.06	19.48
12-Apr-22	140	65	23	17.21	31.60
18-Apr-22	143	81	26	14.14	19.31
19-Apr-22	138	79	29	16.54	22.46
25-Apr-22	145	83	30	15.45	19.47
26-Apr-22	133	77	27	12.45	17.78
02-May-22	136	65	25	20.17	22.47
03-May-22	138	66	26	11.15	17.07
09-May-22	134	63	24	13.76	16.33
10-May-22	129	60	22	16.79	23.30
16-May-22	142	67	26	11.24	20.22
17-May-22	144	68	27	11.56	21.43
23-May-22	140	65	25	13.43	22.34
24-May-22	136	62	24	14.45	20.34
06-Jun-22	127	58	20	11.75	13.95
07-Jun-22	131	62	22	10.25	14.10
13-Jun-22	136	64	24	15.12	16.32
14-Jun-22	140	67	25	18.42	21.87
20-Jun-22	148	73	28	13.49	16.24
21-Jun-22	150	75	29	15.57	23.11
27-Jun-22	154	78	30	13.80	16.23
28-Jun-22	142	71	27	12.28	13.19
04-Jul-22	130	58	20	13.49	16.32
05-Jul-22	132	60	22	16.64	21.44
11-Jul-22	135	63	23	13.52	17.22
12-Jul-22	136	65	24	12.91	15.43
18-Jul-22	166	91	30	12.93	13.46
19-Jul-22	140	83	30	11.73	13.26
25-Jul-22	151	71	28	8.09	10.23
26-Jul-22	153	98	36	13.22	14.33
02-Aug-22	142	72	27	17.40	22.43
03-Aug-22	154	76	29	11.65	12.32
09-Aug-22	141	70	26	14.38	16.26
10-Aug-22	148	74	28	11.16	13.78
23-Aug-22	132	62	22	10.22	12.52
24-Aug-22	142	70	26	13.22	19.25
29-Aug-22	134	64	23	13.52	15.26
30-Aug-22	137	68	25	11.22	15.22
07-Sep-22	160	80	30	10.93	17.95

08-Sep-22	150	76	28	16.90	28.56
14-Sep-22	142	66	26	11.36	16.34
15-Sep-22	145	73	27	13.81	20.71
21-Sep-22	41	71	26	12.55	20.61
22-Sep-22	133	63	23	13.07	22.09
29-Sep-22	137	67	25	15.44	22.20
30-Sep-22	135	65	24	15.54	23.29
03-Oct-22	173	86	35	15.06	19.48
04-Oct-22	162	81	30	12.23	15.23
10-Oct-22	144	73	27	10.23	14.25
11-Oct-22	154	78	29	14.31	16.23
19-Oct-22	149	76	28	11.75	13.95
20-Oct-22	136	65	24	13.98	18.37
26-Oct-22	144	60	22	18.62	20.20
27-Oct-22	140	69	25	22.48	17.20
01-Nov-22	160	80	30	10.88	16.23
02-Nov-22	165	83	32	14.66	17.52
07-Nov-22	154	78	29	12.52	16.52
08-Nov-22	146	74	27	10.58	14.98
16-Nov-22	154	77	29	12.45	13.22
17-Nov-22	158	80	30	17.88	22.56
23-Nov-22	150	78	28	17.55	20.45
24-Nov-22	142	72	26	13.85	17.89
01-Dec-22	157	74	28	12.83	17.55
02-Dec-22	170	84	32	13.49	18.51
08-Dec-22	152	72	26	10.06	14.86
09-Dec-22	158	76	28	10.16	20.18
15-Dec-22	153	75	27	11.52	17.52
16-Dec-22	165	82	30	10.10	16.32
22-Dec-22	146	69	25	12.56	14.25
23-Dec-22	140	63	22	13.56	18.25
29-Dec-22	163	82	30	13.45	17.96
30-Dec-22	136	61	20	14.62	16.94
02-Jan-23	193	94	39	12.28	20.15
03-Jan-23	178	87	36	11.33	15.05
09-Jan-23	162	80	30	11.52	16.43
10-Jan-23	156	76	28	14.54	21.94
17-Jan-23	145	66	24	13.52	17.52
18-Jan-23	141	64	23	10.52	14.52
24-Jan-23	136	60	20	12.52	16.52
25-Jan-23	162	81	30	15.56	12.53
30-Jan-23	156	76	28	14.76	19.56
31-Jan-23	146	69	25	12.25	16.52
03-Feb-23	138	63	22	12.20	15.52
04-Feb-23	149	72	26	14.74	16.56
08-Feb-23	155	78	28	10.25	13.22
09-Feb-23	136	60	21	12.26	15.75
14-Feb-23	146	68	25	11.52	18.52
15-Feb-23	140	64	23	12.42	13.56

20-Feb-23	135	60	20	16.25	19.56
21-Feb-23	138	62	22	14.56	21.21
27-Feb-23	143	66	24	13.56	16.54
28-Feb-23	147	69	25	12.12	13.99
03-Mar-23	170	88	34	18.66	12.54
04-Mar-23	150	71	26	15.56	11.56
09-Mar-23	138	63	22	15.26	17.98
10-Mar-23	144	66	24	11.52	14.56
14-Mar-23	155	75	28	13.65	17.22
15-Mar-23	137	60	21	12.52	15.58
20-Mar-23	143	66	24	15.47	22.45
21-Mar-23	155	75	28	16.32	27.56
29-Mar-23	157	78	29	16.54	22.46
30-Mar-23	153	73	27	14.14	19.31
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	193	98	39	22.48	34.13
Minimum	41	58	20	8	10
Average	145.54	71.44	26.33	13.66	18.02
Standard (24 Hrs)		100	60	80	80
Standard (Annual)		60	40	50	40



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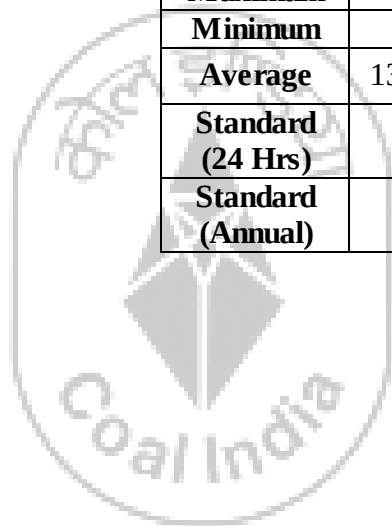
Table:53
Area: Talcher
Project: Nandira Colliery
Monitoring Station: Near Natedi Village (Reported Only)

All values are in $\mu\text{g}/\text{m}^3$

Date of Sampling	SPM	PM ₁₀	PM _{2.5}	SO ₂	NO _x
22-Jul-22	115	66	22	11.11	16.38
23-Jul-22	140	86	30	14.99	16.71
27-Jul-22	165	91	28	13.2	15.7
08-Apr-22	135	69	27	22.14	34.76
09-Apr-22	140	65	26	21.01	29.55
13-Apr-22	142	61	23	20.37	29.01
14-Apr-22	133	63	25	19.47	24.82
22-Apr-22	128	75	33	17.05	24.01
23-Apr-22	133	79	30	10.56	24.12
28-Apr-22	141	82	29	12.37	16.87
29-Apr-22	138	81	31	12.27	24.12
06-May-22	130	64	23	14.97	24.13
07-May-22	135	65	25	16.53	27.31
12-May-22	128	62	22	13.93	23.51
13-May-22	133	66	24	19.09	25.24
20-May-22	143	78	29	11.56	18.33
21-May-22	143	75	27	16.32	20.33
26-May-22	140	74	26	12.54	19.44
27-May-22	141	77	28	13.22	24.33
03-Jun-22	149	78	29	23.03	24.01
04-Jun-22	147	75	28	16.64	22.58
10-Jun-22	142	70	26	11.99	15.61
11-Jun-22	139	66	25	13.3	22.11
17-Jun-22	140	67	26	10.62	16.11
18-Jun-22	147	74	28	11.78	14.89
24-Jun-22	143	71	27	13.71	18.48
25-Jun-22	132	60	22	11.21	19.24
02-Jul-22	140	69	26	17.73	21.2
08-Jul-22	147	74	28	14.18	15.18
09-Jul-22	136	64	24	11.16	14.26
13-Jul-22	134	63	23	11.28	17.23
14-Jul-22	138	66	25	12.53	13.46
28-Jul-22	126	80	26	9.2	12.68
05-Aug-22	129	60	20	17.16	19.09
06-Aug-22	126	57	18	14.97	16.91
11-Aug-22	125	55	17	13.85	17.18
12-Aug-22	123	54	15	15.68	18.35
19-Aug-22	134	64	23	13.45	16.25
20-Aug-22	130	60	20	10.25	13.22
25-Aug-22	132	62	21	17.25	20.85
26-Aug-22	138	67	25	17.22	18.23

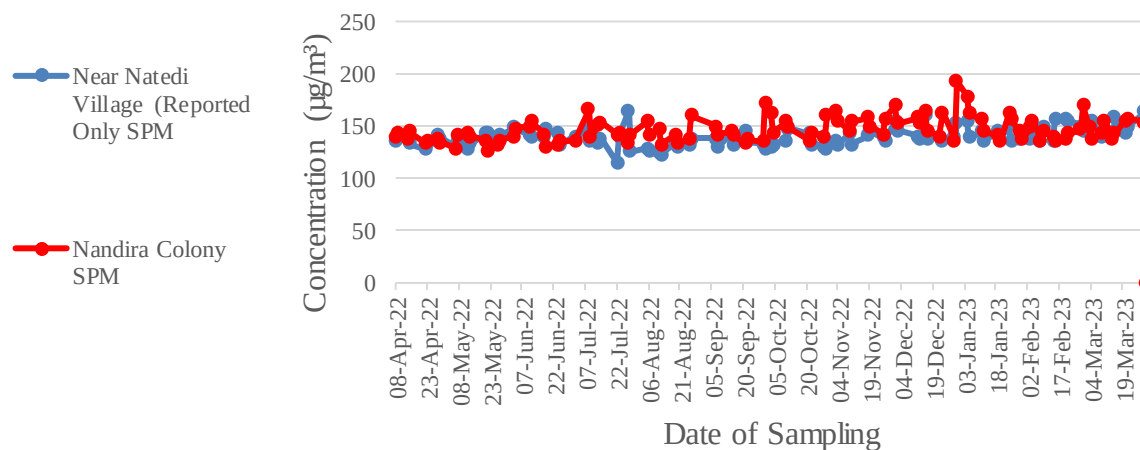
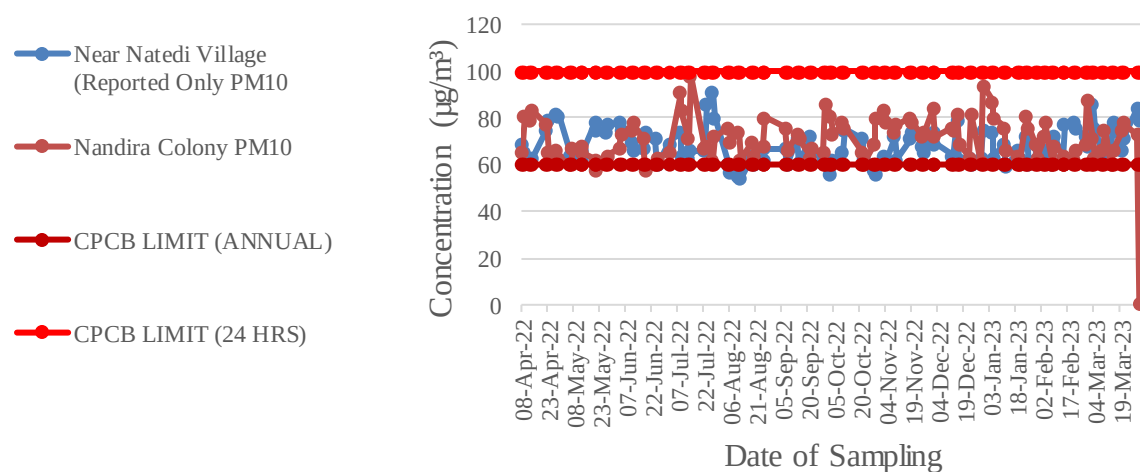
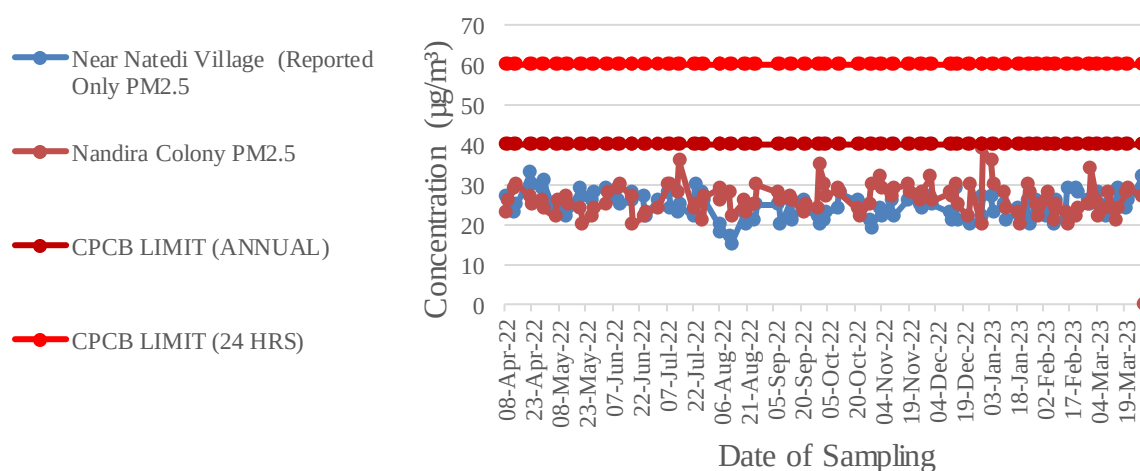
07-Sep-22	138	67	25	16.81	25.31
08-Sep-22	130	60	20	13.79	23.03
14-Sep-22	142	71	26	15.52	24.59
15-Sep-22	131	61	21	14.97	23.24
21-Sep-22	146	72	26	14.75	22.2
22-Sep-22	135	66	24	12.85	21.46
29-Sep-22	132	62	22	13.52	21.42
30-Sep-22	129	60	20	16.63	25.83
03-Oct-22	130	56	21	11.25	16.25
04-Oct-22	132	62	23	11.25	15.28
10-Oct-22	136	65	24	11.25	13.25
11-Oct-22	148	75	28	15.26	20.25
21-Oct-22	143	71	26	18.48	17.88
22-Oct-22	132	63	23	21.1	25.79
28-Oct-22	130	58	21	14.97	24.13
29-Oct-22	128	56	19	13.3	22.11
03-Nov-22	135	64	24	14.58	21.2
04-Nov-22	132	62	22	10.52	17.58
09-Nov-22	143	72	26	13.22	20.85
10-Nov-22	132	62	22	17.89	12.22
18-Nov-22	141	71	26	11.58	16.56
19-Nov-22	145	74	27	14.88	20.2
25-Nov-22	139	68	25	10.22	16.54
26-Nov-22	136	65	24	13.65	16.88
01-Dec-22	154	74	27	12.63	14.92
02-Dec-22	146	69	25	10.69	14.2
12-Dec-22	140	64	23	9.53	15.64
13-Dec-22	137	62	21	10.3	12.07
15-Dec-22	160	79	29	13.56	12.56
16-Dec-22	137	62	21	13.56	15.56
22-Dec-22	140	63	22	12.56	17.32
23-Dec-22	135	60	20	12.2	16.52
29-Dec-22	139	63	22	14.31	17.39
30-Dec-22	153	75	27	13.65	16.85
04-Jan-23	154	74	27	17.35	18.22
05-Jan-23	139	63	23	13.15	14.39
11-Jan-23	145	69	25	15.85	14.03
12-Jan-23	136	59	21	13.49	19.92
19-Jan-23	145	66	24	10.52	14.52
20-Jan-23	138	63	22	15.52	13.52
24-Jan-23	151	72	26	12.88	16.52
25-Jan-23	135	60	20	13.52	17.85
29-Jan-23	137	62	26	11.29	15.68
30-Jan-23	142	68	24	11.02	15.54
03-Feb-23	138	62	22	13.56	12.56
04-Feb-23	143	66	24	12.26	18.56
08-Feb-23	135	60	20	14.56	18.95
09-Feb-23	149	72	26	10.23	12.26
14-Feb-23	136	62	21	11.26	15.56

15-Feb-23	157	77	29	17.58	16.32
20-Feb-23	157	78	29	16.56	19.56
21-Feb-23	155	76	28	10.52	12.26
27-Feb-23	150	72	26	13.55	17.56
28-Feb-23	146	68	25	14.52	19.1
03-Mar-23	149	86	26	11.52	17.56
04-Mar-23	155	76	28	12.52	15.65
09-Mar-23	139	63	22	10.23	18.54
10-Mar-23	146	68	25	11.26	14.44
14-Mar-23	143	66	24	10.21	13.58
15-Mar-23	158	78	29	12.56	16.41
20-Mar-23	143	66	24	11.22	15.22
21-Mar-23	149	71	26	14.22	16.22
29-Mar-23	164	84	32	13.64	18.89
30-Mar-23	159	79	29	11.28	17.45
Brief Statistics	SPM	PM₁₀	PM_{2.5}	SO₂	NO_x
Maximum	165	91	33	23.03	34.76
Minimum	115	54	15	9	12
Average	139.99	68.14	24.62	13.85	18.57
Standard (24 Hrs)		100	60	80	80
Standard (Annual)		60	40	50	40

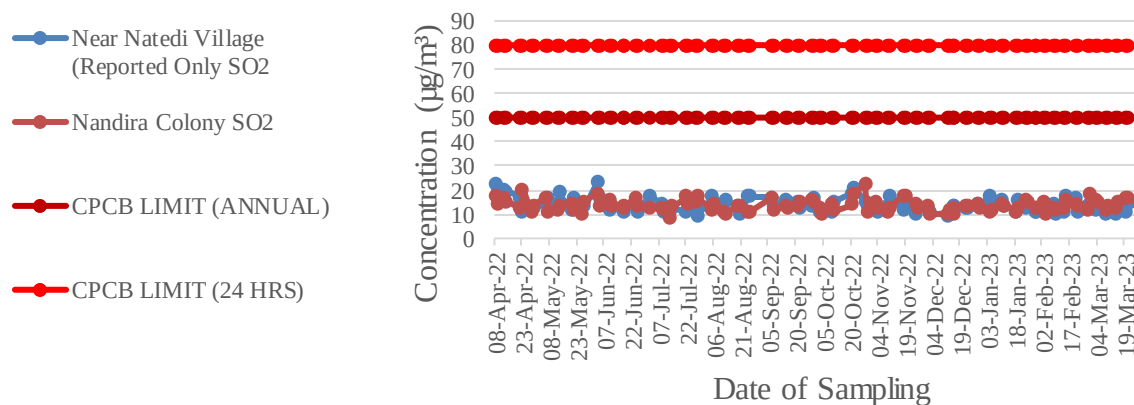


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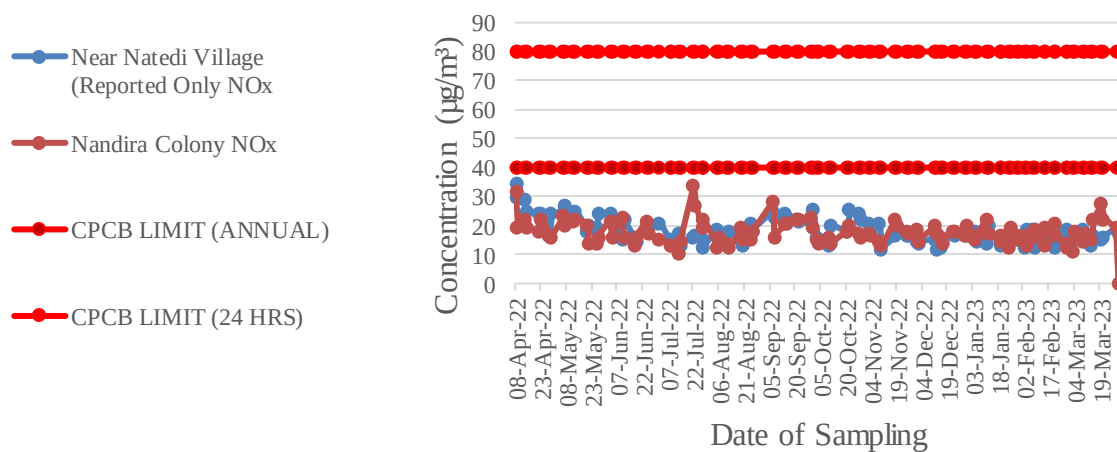
Graph Showing SPM for Nandira Colliery

Graph Showing PM_{10} for Nandira CollieryGraph Showing $\text{PM}_{2.5}$ for Nandira Colliery

Graph Showing SO₂ for Nandira Colliery



Graph Showing NO_x for Nandira Colliery



8.6 AAQM RESULTS FOR HEAVY METALS, BENZENE, CO, O₃, NH₃

Table:54
Area: Jagannath

Project	Ananta OCP				
Monitoring Station	Guthasahi Village				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
09-Apr-2022	<20.0	5.92	<0.1	<1.0	<1.0
10-Apr-2022	<20.0	5.81	<0.1	<1.0	<1.0
14-Apr-2022	<20.0	6.02	<0.1	<1.0	<1.0
15-Apr-2022	<20.0	5.73	<0.1	<1.0	<1.0
22-Apr-2022	<20.0	7.23	<0.1	<1.0	<1.0
23-Apr-2022	<20.0	4.13	<0.1	<1.0	<1.0
29-Apr-2022	<20.0	6.02	<0.1	<1.0	<1.0
30-Apr-2022	<20.0	4.23	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:55
Area: Jagannath

Project	Ananta OCP				
Monitoring Station	Guthasahi Village				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
06-May-2022	<20.0	5.84	<0.1	<1.0	<1.0
07-May-2022	<20.0	6.23	<0.1	<1.0	<1.0
13-May-2022	<20.0	4.83	<0.1	<1.0	<1.0
14-May-2022	<20.0	7.23	<0.1	<1.0	<1.0
20-May-2022	<20.0	3.91	<0.1	<1.0	<1.0
21-May-2022	<20.0	4.55	<0.1	<1.0	<1.0
27-May-2022	<20.0	4.86	<0.1	<1.0	<1.0
28-May-2022	<20.0	6.12	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:56
Area: Jagannath

Project	Ananta OCP				
Monitoring Station	Guthasahi Village				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
03-Jun-2022	<20.0	5.23	<0.1	<1.0	<1.0
04-Jun-2022	<20.0	4.65	<0.1	<1.0	<1.0
10-Jun-2022	<20.0	5.25	<0.1	<1.0	<1.0
11-Jun-2022	<20.0	5.45	<0.1	<1.0	<1.0
17-Jun-2022	<20.0	6.58	<0.1	<1.0	<1.0
18-Jun-2022	<20.0	5.62	<0.1	<1.0	<1.0
24-Jun-2022	<20.0	5.32	<0.1	<1.0	<1.0
25-Jun-2022	<20.0	6.21	<0.1	<1.0	<1.0
30-Jun-2022	<20.0	5.28	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:57
Area: Jagannath

Project	Monitoring Station	Date of sampling	O ₃ (µg/m ³)	Ammonia (µg/m ³)	CO (mg/m ³)	Pb (µg/m ³)	As (ng/m ³)	Ni (ng/m ³)
Ananta	North-East of Mine	5-Jul-22	-	-	0.81	-	-	-
Ananta	Central Nursery	5-Jul-22	-	-	0.87	-	-	--
Ananta	Gutha Sahi Village	1-Jul-22	5.64	<20.0	0.48	<0.1	<1.0	<1.0
Ananta	Gutha Sahi Village	8-Jul-22	7.56	<20.0	0.41	<0.1	<1.0	<1.0
Ananta	Gutha Sahi Village	9-Jul-22	7.35	<20.0	0.63	<0.1	<1.0	<1.0
Ananta	Gutha Sahi Village	13-Jul-22	6.88	<20.0	0.82	<0.1	<1.0	<1.0
Ananta	Gutha Sahi Village	14-Jul-22	5.64	<20.0	0.22	<0.1	<1.0	<1.0
Ananta	Central Nursery	19-Jul-22	-	-	0.49	-	-	-
Ananta	Guthasahi Village	22-Jul-22	5.92	<20.0	0.43	<0.1	<1.0	<1.0
Ananta	Guthasahi Village	23-Jul-22	6.38	<20.0	0.41	<0.1	<1.0	<1.0
Ananta	Guthasahi Village	27-Jul-22	5.94	<20.0	0.35	<0.1	<1.0	<1.0
Ananta	Guthasahi Village	28-Jul-22	5.67	<20.0	0.33	<0.1	<1.0	<1.0
Ananta	North East of the Mine	19-Jul-22	-	-	0.53	-	-	-
Standard			180(hour)	400 (24hours)	2.0 (8Hours)	1.0 (24hours)	6.0 (Annual)	20 (Annual)

Table:58
Area: Jagannath

Project	Ananta OCP				
Monitoring Station	Guthasahi Village				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
05-Aug-2022	<20.0	6.22	<0.1	<1.0	<1.0
06-Aug-2022	<20.0	5.81	<0.1	<1.0	<1.0
11-Aug-2022	<20.0	4.88	<0.1	<1.0	<1.0
12-Aug-2022	<20.0	5.34	<0.1	<1.0	<1.0
19-Aug-2022	<20.0	5.68	<0.1	<1.0	<1.0
20-Aug-2022	<20.0	5.15	<0.1	<1.0	<1.0
25-Aug-2022	<20.0	4.93	<0.1	<1.0	<1.0
26-Aug-2022	<20.0	7.01	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:59
Area: Jagannath

Project	Ananta OCP							
Monitoring Station	Guthasahi Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
01-Sep-2022	<20.0	5.82	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
02-Sep-2022	<20.0	6.21	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
09-Sep-2022	<20.0	5.78	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
10-Sep-2022	<20.0	6.32	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Sep-2022	<20.0	4.89	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
17-Sep-2022	<20.0	6.42	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
23-Sep-2022	<20.0	4.78	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
24-Sep-2022	<20.0	6.01	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:60

Area: Jagannath

Project	Ananta OCP							
Monitoring Station	Guthasahi Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Oct-2022	<20.0	4.88	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
04-Oct-2022	<20.0	5.21	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
10-Oct-2022	<20.0	4.76	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
11-Oct-2022	<20.0	6.20	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
19-Oct-2022	<20.0	5.23	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
20-Oct-2022	<20.0	4.68	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
26-Oct-2022	<20.0	3.25	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Oct-2022	<20.0	2.69	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

Table:61

Area: Jagannath

Project	Ananta OCP							
Monitoring Station	Guthasahi Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Nov-2022	<20.0	5.21	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
02-Nov-2022	<20.0	6.31	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
07-Nov-2022	<20.0	4.56	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Nov-2022	<20.0	4.36	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Nov-2022	<20.0	5.35	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
17-Nov-2022	<20.0	4.69	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
23-Nov-2022	<20.0	5.31	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
24-Nov-2022	<20.0	6.01	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

Table:62
Area: Jagannath

Project	Ananta OCP							
Monitoring Station	Guthasahi Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Dec-2022	<20.0	6.42	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
02-Dec-2022	<20.0	4.52	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Dec-2022	<20.0	6.2	<0.1	<1.0	<1.0	0.32	BQL(QL=0.5)	BQL(QL=2.5)
09-Dec-2022	<20.0	7.2	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
15-Dec-2022	<20.0	6.45	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
16-Dec-2022	<20.0	4.22	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
22-Dec-2022	<20.0	3.65	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
23-Dec-2022	<20.0	7.64	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
29-Dec-2022	<20.0	8.66	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
30-Dec-2022	<20.0	6.15	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:63
Area: Jagannath

Project	Ananta OCP							
Monitoring Station	Guthasahi Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
02-Jan-2023	<20.0	6.32	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
03-Jan-2023	<20.0	4.58	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
09-Jan-2023	<20.0	4.23	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
10-Jan-2023	<20.0	3.99	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Jan-2023	<20.0	5.64	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
17-Jan-2023	<20.0	5.28	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	6.34	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
25-Jan-2023	<20.0	5.20	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Jan-2023	<20.0	6.30	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
30-Jan-2023	<20.0	5.26	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:64
Area: Jagannath

Project	Ananta OCP							
Monitoring Station	Guthasahi Village							
Date of sampling	Amm onia (NH ₃)	Ozo ne (O ₃)	Lead (Pb)	Arsen ic (As)	Nick el (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
01-Feb-2023	<20.0	5.63	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
02-Feb-2023	<20.0	4.58	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
06-Feb-2023	<20.0	6.24	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
07-Feb-2023	<20.0	7.02	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
10-Feb-2023	<20.0	6.21	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Feb-2023	<20.0	5.88	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
16-Feb-2023	<20.0	4.69	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
17-Feb-2023	<20.0	7.21	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
23-Feb-2023	<20.0	4.63	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
24-Feb-2023	<20.0	5.55	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

Table:65
Area: Jagannath

Project	Ananta OCP							
Monitoring Station	Guthasahi Village							
Date of sampling	Ammo nia (NH ₃)	Ozon e (O ₃)	Lead (Pb)	Arsen ic (As)	Nicke l (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
01-Mar-2023	<20.0	6.28	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
02-Mar-2023	<20.0	5.76	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
06-Mar-2023	<20.0	5.68	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
07-Mar-2023	<20.0	4.88	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
16-Mar-2023	<20.0	4.15	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
17-Mar-2023	<20.0	4.88	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
22-Mar-2023	<20.0	5.22	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Mar-2023	<20.0	4.68	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Mar-2023	<20.0	5.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Mar-2023	<20.0	7.15	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)



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Table:66

Area: Jagannath

Project	Jagannath OCP				
Monitoring Station	CWS Colony, Meeti				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
06-Apr-2022	<20.0	5.82	<0.1	<1.0	<1.0
07-Apr-2022	<20.0	6.15	<0.1	<1.0	<1.0
11-Apr-2022	<20.0	6.17	<0.1	<1.0	<1.0
12-Apr-2022	<20.0	6.26	<0.1	<1.0	<1.0
18-Apr-2022	<20.0	5.43	<0.1	<1.0	<1.0
19-Apr-2022	<20.0	5.58	<0.1	<1.0	<1.0
25-Apr-2022	<20.0	6.81	<0.1	<1.0	<1.0
26-Apr-2022	<20.0	5.58	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:67

Area: Jagannath

Project	Jagannath OCP				
Monitoring Station	CWS Colony, Meeti				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
02-May-2022	<20.0	4.53	<0.1	<1.0	<1.0
03-May-2022	<20.0	6.61	<0.1	<1.0	<1.0
09-May-2022	<20.0	5.84	<0.1	<1.0	<1.0
10-May-2022	<20.0	6.12	<0.1	<1.0	<1.0
16-May-2022	<20.0	5.22	<0.1	<1.0	<1.0
17-May-2022	<20.0	6.23	<0.1	<1.0	<1.0
23-May-2022	<20.0	6.56	<0.1	<1.0	<1.0
24-May-2022	<20.0	4.15	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:68
Area: Jagannath

Project	Jagannath OCP				
Monitoring Station	CWS Colony, Meeti				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
06-Jun-2022	<20.0	5.55	<0.1	<1.0	<1.0
07-Jun-2022	<20.0	5.63	<0.1	<1.0	<1.0
13-Jun-2022	<20.0	5.78	<0.1	<1.0	<1.0
14-Jun-2022	<20.0	5.47	<0.1	<1.0	<1.0
20-Jun-2022	<20.0	6.45	<0.1	<1.0	<1.0
21-Jun-2022	<20.0	3.89	<0.1	<1.0	<1.0
27-Jun-2022	<20.0	4.24	<0.1	<1.0	<1.0
28-Jun-2022	<20.0	4.23	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:69
Area: Jagannath

Project	Monitoring Station	Date of sampling	O ₃ (µg/m ³)	Ammonia (µg/m ³)	CO (mg/m ³)	Pb (µg/m ³)	As (ng/m ³)	Ni (ng/m ³)
Jagannath	CWS Colony, Meeti	4-Jul-22	6.34	<20.0	0.54	<0.1	<1.0	<1.0
Jagannath	CWS Colony, Meeti	5-Jul-22	5.37	<20.0	0.51	<0.1	<1.0	<1.0
Jagannath	CWS Colony, Meeti	11-Jul-22	6.31	<20.0	0.09	<0.1	<1.0	<1.0
Jagannath	CWS Colony, Meeti	12-Jul-22	6.37	<20.0	0.56	<0.1	<1.0	<1.0
Jagannath	CWS Colony, Meeti	18-Jul-22	6.58	<20.0	0.15	<0.1	<1.0	<1.0
Jagannath	CWS Colony, Meeti	19-Jul-22	5.39	<20.0	0.14	<0.1	<1.0	<1.0
Jagannath	CWS Colony, Meeti	25-Jul-22	7.68	<20.0	0.16	<0.1	<1.0	<1.0
Jagannath	CWS Colony, Meeti	26-Jul-22	7.24	<20.0	0.27	<0.1	<1.0	<1.0
Standard			180 (hour)	400 (24hours)	2.0 (8Hours)	1.0 (24hours)	6.0 (Annual)	20 (Annual)

Table:70
Area: Jagannath

Project	Jagannath OCP				
Monitoring Station	CWS Colony, Meeti				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
02-Aug-2022	<20.0	5.62	<0.1	<1.0	<1.0
03-Aug-2022	<20.0	6.21	<0.1	<1.0	<1.0
09-Aug-2022	<20.0	5.76	<0.1	<1.0	<1.0
10-Aug-2022	<20.0	4.83	<0.1	<1.0	<1.0
16-Aug-2022	<20.0	4.83	<0.1	<1.0	<1.0
17-Aug-2022	<20.0	4.68	<0.1	<1.0	<1.0
23-Aug-2022	<20.0	5.37	<0.1	<1.0	<1.0
24-Aug-2022	<20.0	4.71	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:71
Area: Jagannath

Project	Jagannath OCP							
Monitoring Station	CWS Colony, Meeti							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
01-Sep-2022	<20.0	5.62	<0.1	<1.0	<1.0	0.2	BQL(QL =0.5)	BQL(QL =2.5)
02-Sep-2022	<20.0	4.21	<0.1	<1.0	<1.0	0.3	BQL(QL =0.5)	BQL(QL =2.5)
09-Sep-2022	<20.0	6.33	<0.1	<1.0	<1.0	0.3	BQL(QL =0.5)	BQL(QL =2.5)
10-Sep-2022	<20.0	5.83	<0.1	<1.0	<1.0	0.4	BQL(QL =0.5)	BQL(QL =2.5)
16-Sep-2022	<20.0	6.44	<0.1	<1.0	<1.0	0.3	BQL(QL =0.5)	BQL(QL =2.5)
17-Sep-2022	<20.0	4.86	<0.1	<1.0	<1.0	0.2	BQL(QL =0.5)	BQL(QL =2.5)
23-Sep-2022	<20.0	5.71	<0.1	<1.0	<1.0	0.2	BQL(QL =0.5)	BQL(QL =2.5)
24-Sep-2022	<20.0	4.71	<0.1	<1.0	<1.0	0.3	BQL(QL =0.5)	BQL(QL =2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:72

Area: Jagannath

Project	Jagannath OCP							
Monitoring Station	CWS Colony, Meeti							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Oct-2022	<20.0	5.83	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
04-Oct-2022	<20.0	4.22	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
10-Oct-2022	<20.0	5.72	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Oct-2022	<20.0	4.71	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
17-Oct-2022	<20.0	4.69	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
18-Oct-2022	<20.0	6.28	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
26-Oct-2022	<20.0	3.55	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
27-Oct-2022	<20.0	5.89	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

Table:73

Area: Jagannath

Project	Jagannath OCP							
Monitoring Station	CWS Colony, Meeti							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Nov-2022	<20.0	5.23	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
02-Nov-2022	<20.0	6.31	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
07-Nov-2022	<20.0	6.14	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
08-Nov-2022	<20.0	5.17	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
16-Nov-2022	<20.0	5.64	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
17-Nov-2022	<20.0	6.31	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Nov-2022	<20.0	4.58	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
24-Nov-2022	<20.0	6.37	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

Table:74
Area: Jagannath

Project	Jagannath OCP							
Monitoring Station	CWS Colony, Meeti							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Dec-2022	<20.0	4.62	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
02-Dec-2022	<20.0	7.89	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
08-Dec-2022	<20.0	6.25	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
09-Dec-2022	<20.0	6.48	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
15-Dec-2022	<20.0	6.78	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
16-Dec-2022	<20.0	5.62	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Dec-2022	<20.0	3.55	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
23-Dec-2022	<20.0	4.62	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Dec-2022	<20.0	7.84	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
30-Dec-2022	<20.0	6.28	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:75
Area: Jagannath

Project	Jagannath OCP							
Monitoring Station	CWS Colony, Meeti							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
02-Jan-2023	<20.0	3.88	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
03-Jan-2023	<20.0	5.45	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
04-Jan-2023	<20.0	6.32	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
05-Jan-2023	<20.0	6.54	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
17-Jan-2023	<20.0	6.48	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
18-Jan-2023	<20.0	5.55	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
23-Jan-2023	<20.0	4.26	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	6.30	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Jan-2023	<20.0	6.87	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
30-Jan-2023	<20.0	7.01	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:76
Area: Jagannath

Project	Jagannath OCP							
Monitoring Station	CWS Colony, Meeti							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Feb-2023	<20.0	5.21	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
02-Feb-2023	<20.0	6.34	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
06-Feb-2023	<20.0	7.15	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
07-Feb-2023	<20.0	4.56	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
10-Feb-2023	<20.0	6.08	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
11-Feb-2023	<20.0	7.36	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Feb-2023	<20.0	4.28	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
17-Feb-2023	<20.0	5.98	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Feb-2023	<20.0	6.07	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
24-Feb-2023	<20.0	5.18	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

Table:77
Area: Jagannath

Project	Jagannath OCP							
Monitoring Station	CWS Colony, Meeti							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Mar-2023	<20.0	5.55	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
02-Mar-2023	<20.0	4.92	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
06-Mar-2023	<20.0	4.64	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
07-Mar-2023	<20.0	5.05	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
16-Mar-2023	<20.0	4.15	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
17-Mar-2023	<20.0	5.26	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Mar-2023	<20.0	5.37	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
23-Mar-2023	<20.0	5.48	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
27-Mar-2023	<20.0	6.21	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
28-Mar-2023	<20.0	6.26	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

Table:78
Area: Bharatpur

Project	Bharatpur OCP				
Monitoring Station	Near Joragadia Village				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
09-Apr-2022	<20.0	4.96	<0.1	<1.0	<1.0
10-Apr-2022	<20.0	3.80	<0.1	<1.0	<1.0
15-Apr-2022	<20.0	4.57	<0.1	<1.0	<1.0
16-Apr-2022	<20.0	5.23	<0.1	<1.0	<1.0
22-Apr-2022	<20.0	6.32	<0.1	<1.0	<1.0
23-Apr-2022	<20.0	6.37	<0.1	<1.0	<1.0
29-Apr-2022	<20.0	6.83	<0.1	<1.0	<1.0
30-Apr-2022	<20.0	6.73	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:79
Area: Bharatpur

Project	Bharatpur OCP				
Monitoring Station	Near Joragadia Village				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
06-May-2022	<20.0	4.56	<0.1	<1.0	<1.0
07-May-2022	<20.0	7.18	<0.1	<1.0	<1.0
13-May-2022	<20.0	6.12	<0.1	<1.0	<1.0
14-May-2022	<20.0	5.88	<0.1	<1.0	<1.0
20-May-2022	<20.0	6.44	<0.1	<1.0	<1.0
21-May-2022	<20.0	6.56	<0.1	<1.0	<1.0
27-May-2022	<20.0	6.55	<0.1	<1.0	<1.0
28-May-2022	<20.0	4.56	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:80
Area: Bharatpur

Project	Bharatpur OCP				
Monitoring Station	Near Joragadia Village				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
03-Jun-2022	<20.0	5.54	<0.1	<1.0	<1.0
04-Jun-2022	<20.0	4.65	<0.1	<1.0	<1.0
10-Jun-2022	<20.0	5.23	<0.1	<1.0	<1.0
11-Jun-2022	<20.0	4.65	<0.1	<1.0	<1.0
17-Jun-2022	<20.0	5.32	<0.1	<1.0	<1.0
18-Jun-2022	<20.0	4.89	<0.1	<1.0	<1.0
24-Jun-2022	<20.0	4.65	<0.1	<1.0	<1.0
25-Jun-2022	<20.0	5.32	<0.1	<1.0	<1.0
30-Jun-2022	<20.0	5.42	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:81
Area: Bharatpur

Project	Monitoring Station	Date of sampling	O ₃ (µg/m ³)	Ammonia (µg/m ³)	CO (mg/m ³)	Pb (µg/m ³)	As (ng/m ³)	Ni (ng/m ³)
Bharatpur	Near Joragadia Village	1-Jul-22	3.99	<20.0	0.12	<0.1	<1.0	<1.0
Bharatpur	Near Joragadia Village	8-Jul-22	4.25	<20.0	0.63	<0.1	<1.0	<1.0
Bharatpur	Near Joragadia Village	9-Jul-22	4.34	<20.0	0.58	<0.1	<1.0	<1.0
Bharatpur	Near Joragadia Village	13-Jul-22	4.62	<20.0	0.37	<0.1	<1.0	<1.0
Bharatpur	Near Joragadia Village	14-Jul-22	5.38	<20.0	0.67	<0.1	<1.0	<1.0
Bharatpur	Near Joragadia Village	22-Jul-22	5.23	<20.0	0.27	<0.1	<1.0	<1.0
Bharatpur	Near Joragadia Village	23-Jul-22	5.98	<20.0	0.34	<0.1	<1.0	<1.0
Bharatpur	Near Joragadia Village	27-Jul-22	4.69	<20.0	0.37	<0.1	<1.0	<1.0
Bharatpur	Near Joragadia Village	28-Jul-22	6.37	<20.0	0.61	<0.1	<1.0	<1.0
Standard			180(hour)	400(24hours)	2.0(8Hours)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:82
Area: Bharatpur

Project	Bharatpur OCP				
Monitoring Station	Near Joragadia Village				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
05-Aug-2022	<20.0	5.74	<0.1	<1.0	<1.0
06-Aug-2022	<20.0	4.70	<0.1	<1.0	<1.0
11-Aug-2022	<20.0	5.77	<0.1	<1.0	<1.0
12-Aug-2022	<20.0	6.81	<0.1	<1.0	<1.0
19-Aug-2022	<20.0	4.93	<0.1	<1.0	<1.0
20-Aug-2022	<20.0	6.23	<0.1	<1.0	<1.0
25-Aug-2022	<20.0	4.73	<0.1	<1.0	<1.0
26-Aug-2022	<20.0	6.81	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:83
Area: Bharatpur

Project	Bharatpur OCP							
Monitoring Station	Near Joragadia Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
01-Sep-2022	<20.0		<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
02-Sep-2022	<20.0	5.71	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
09-Sep-2022	<20.0	6.77	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
10-Sep-2022	<20.0	5.81	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
16-Sep-2022	<20.0	4.93	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
17-Sep-2022	<20.0	5.21	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Sep-2022	<20.0	5.73	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
24-Sep-2022	<20.0	6.81	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:84
Area: Bharatpur

Project	Bharatpur OCP							
Monitoring Station	Near Joragadia Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Oct-2022	<20.0	5.81	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
04-Oct-2022	<20.0	6.76	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
10-Oct-2022	<20.0	5.73	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
11-Oct-2022	<20.0	4.92	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
19-Oct-2022	<20.0	7.85	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
20-Oct-2022	<20.0	8.69	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
26-Oct-2022	<20.0	4.78	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
27-Oct-2022	<20.0	6.44	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hours)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

Table:85
Area: Bharatpur

Project	Bharatpur OCP							
Monitoring Station	Near Joragadia Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Nov-2022	<20.0	5.12	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
02-Nov-2022	<20.0	6.31	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
07-Nov-2022	<20.0	5.27	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
08-Nov-2022	<20.0	5.89	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Nov-2022	<20.0	5.68	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
17-Nov-2022	<20.0	5.33	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)

23-Nov-2022	<20.0	5.95	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
24-Nov-2022	<20.0	5.70	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)



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Table:86
Area: Bharatpur

Project	Bharatpur OCP							
Monitoring Station	Near Joragadia Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Dec-2022	<20.0	4.66	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
02-Dec-2022	<20.0	6.32	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
08-Dec-2022	<20.0	7.46	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
09-Dec-2022	<20.0	4.62	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
15-Dec-2022	<20.0	5.62	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Dec-2022	<20.0	8.2	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
22-Dec-2022	<20.0	4.78	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Dec-2022	<20.0	6.24	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Dec-2022	<20.0	4.65	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
30-Dec-2022	<20.0	6.28	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

Table:87
Area: Bharatpur

Project	Bharatpur OCP							
Monitoring Station	Near Joragadia Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
02-Jan-2023	<20.0	7.21	<0.1	56789090	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
03-Jan-2023	<20.0	6.89	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
06-Jan-2023	<20.0	7.20	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
07-Jan-2023	<20.0	7.56	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
17-Jan-2023	<20.0	7.28	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
18-Jan-2023	<20.0	7.26	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
23-Jan-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	5.55	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)

29-Jan-2023	<20.0	4.69	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
30-Jan-2023	<20.0	5.65	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24ho urs)	180 (hou r)	1.0 (24ho urs)	6.0 (Annu al)	20 (Ann ual)	04 (1 hours)	01 (annual)	05 (annual)



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Table:88
Area: Bharatpur

Project	Bharatpur OCP							
Monitoring Station	Near Joragadia Village							
Date of sampling	Amm onia (NH ₃)	Ozon e (O ₃)	Lead (Pb)	Arseni c (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Feb-2023	<20.0	4.58	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
02-Feb-2023	<20.0	7.64	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
06-Feb-2023	<20.0	5.28	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
07-Feb-2023	<20.0	4.36	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
10-Feb-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
23-Feb-2023/	<20.0	6.45	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Feb-2023	<20.0	5.67	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
17-Feb-2023	<20.0	7.27	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
23-Feb-2023	<20.0	4.39	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
24-Feb-2023	<20.0	7.16	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

Table:89
Area: Bharatpur

Project	Bharatpur OCP							
Monitoring Station	Near Joragadia Village							
Date of sampling	Ammo nia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arseni c (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Mar-2023	<20.0	6.02	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
02-Mar-2023	<20.0	6.55	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
06-Mar-2023	<20.0	6.48	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
07-Mar-2023	<20.0	6.42	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
11-Mar-2023	<20.0	6.42	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
16-Mar-2023	<20.0	4.44	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
17-Mar-2023	<20.0	4.86	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
22-Mar-2023	<20.0	4.37	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Mar-2023	<20.0	5.27	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
27-Mar-2023	<20.0	5.72	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
28-Mar-2023	<20.0	8.26	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(h our)	1.0(24 hours)	6.0(A nnual)	20(An nual)	04(1h ours)	01(annual)	05(annual)

Table:90
Area: Bharatpur

Project	Bharatpur OCP				
Monitoring Station	Natedi Village (Reported Only)				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
08-Apr-2022	<20.0	5.86	<0.1	<1.0	<1.0
09-Apr-2022	<20.0	6.15	<0.1	<1.0	<1.0
13-Apr-2022	<20.0	5.77	<0.1	<1.0	<1.0
14-Apr-2022	<20.0	5.62	<0.1	<1.0	<1.0
22-Apr-2022	<20.0	6.24	<0.1	<1.0	<1.0
23-Apr-2022	<20.0	4.58	<0.1	<1.0	<1.0
28-Apr-2022	<20.0	4.81	<0.1	<1.0	<1.0
29-Apr-2022	<20.0	4.76	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:91
Area: Bharatpur

Project	Bharatpur OCP				
Monitoring Station	Natedi Village (Reported Only)				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
06-May-2022	<20.0	5.49	<0.1	<1.0	<1.0
07-May-2022	<20.0	6.56	<0.1	<1.0	<1.0
12-May-2022	<20.0	6.15	<0.1	<1.0	<1.0
13-May-2022	<20.0	7.12	<0.1	<1.0	<1.0
20-May-2022	<20.0	5.73	<0.1	<1.0	<1.0
21-May-2022	<20.0	4.83	<0.1	<1.0	<1.0
26-May-2022	<20.0	4.92	<0.1	<1.0	<1.0
27-May-2022	<20.0	5.15	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:92
Area: Bharatpur

Project	Bharatpur OCP				
Monitoring Station	Natedi Village (Reported Only)				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
03-Jun-2022	<20.0	5.54	<0.1	<1.0	<1.0
04-Jun-2022	<20.0	5.64	<0.1	<1.0	<1.0
10-Jun-2022	<20.0	4.68	<0.1	<1.0	<1.0
11-Jun-2022	<20.0	6.32	<0.1	<1.0	<1.0
17-Jun-2022	<20.0	5.54	<0.1	<1.0	<1.0
18-Jun-2022	<20.0	5.84	<0.1	<1.0	<1.0
24-Jun-2022	<20.0	5.62	<0.1	<1.0	<1.0
25-Jun-2022	<20.0	5.65	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:93
Area: Bharatpur

Reported Only								
Project	Monitoring Station	Date of sampling	O ₃ (µg/m ³)	Ammonia (µg/m ³)	CO (mg/m ³)	Pb (µg/m ³)	As (ng/m ³)	Ni (ng/m ³)
Bharatpur	Natedi Village	1-Jul-22	6.54	<20.0	0.21	<0.1	<1.0	<1.0
Bharatpur	Natedi Village	8-Jul-22	6.32	<20.0	0.45	<0.1	<1.0	<1.0
Bharatpur	Natedi Village	9-Jul-22	5.31	<20.0	1.02	<0.1	<1.0	<1.0
Bharatpur	Natedi Village	13-Jul-22	6.38	<20.0	0.97	<0.1	<1.0	<1.0
Bharatpur	Natedi Village	14-Jul-22	6.31	<20.0	0.53	<0.1	<1.0	<1.0
Bharatpur	Natedi Village	22-Jul-22	5.32	<20.0	0.19	<0.1	<1.0	<1.0
Bharatpur	Natedi Village	23-Jul-22	6.31	<20.0	0.45	<0.1	<1.0	<1.0
Bharatpur	Natedi Village	27-Jul-22	5.00	<20.0	0.46	<0.1	<1.0	<1.0
Bharatpur	Natedi Village	28-Jul-22	6.01	<20.0	0.14	<0.1	<1.0	<1.0
Standard			180(hour)	400(24hours)	2.0(8Hours)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:94
Area: Bharatpur

Project	Bharatpur OCP				
Monitoring Station	Natedi Village (Reported Only)				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
05-Aug-2022	<20.0	7.03	<0.1	<1.0	<1.0
06-Aug-2022	<20.0	5.76	<0.1	<1.0	<1.0
11-Aug-2022	<20.0	5.82	<0.1	<1.0	<1.0
12-Aug-2022	<20.0	6.15	<0.1	<1.0	<1.0
19-Aug-2022	<20.0	5.18	<0.1	<1.0	<1.0
20-Aug-2022	<20.0	6.28	<0.1	<1.0	<1.0
25-Aug-2022	<20.0	5.71	<0.1	<1.0	<1.0
26-Aug-2022	<20.0	4.56	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:95
Area: Bharatpur

Project	Bharatpur OCP							
Monitoring Station	Near Natedi Village (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
07-Sep-2022	<20.0	6.03	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Sep-2022	<20.0	5.64	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
14-Sep-2022	<20.0	7.02	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
15-Sep-2022	<20.0	6.15	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
21-Sep-2022	<20.0	6.48	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
22-Sep-2022	<20.0	5.28	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
29-Sep-2022	<20.0	4.71	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
30-Sep-2022	<20.0	5.56	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:96
Area: Bharatpur

Project	Bharatpur OCP							
Monitoring Station	Near Natedi Village (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
03-Oct-2022	<20.0	6.02	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
04-Oct-2022	<20.0	7.03	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
10-Oct-2022	<20.0	6.46	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
11-Oct-2022	<20.0	5.21	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
21-Oct-2022	<20.0	3.49	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Oct-2022	<20.0	6.73	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
28-Oct-2022	<20.0	4.99	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Oct-2022	<20.0	7.22	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:97
Area: Bharatpur

Project	Bharatpur OCP							
Monitoring Station	Near Natedi Village (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
03-Nov-2022	<20.0	5.06	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
04-Nov-2022	<20.0	5.64	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
09-Nov-2022	<20.0	5.32	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
10-Nov-2022	<20.0	5.84	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
18-Nov-2022	<20.0	5.64	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
19-Nov-2022	<20.0	7.25	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
25-Nov-2022	<20.0	6.39	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
26-Nov-2022	<20.0	5.55	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:98
Area: Bharatpur

Project	Bharatpur OCP							
Monitoring Station	Near Natedi Village (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
01-Dec-2022	<20.0	5.06	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
02-Dec-2022	<20.0	5.64	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Dec-2022	<20.0	5.32	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
09-Dec-2022	<20.0	5.84	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
15-Dec-2022	<20.0	5.64	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Dec-2022	<20.0	7.25	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
22-Dec-2022	<20.0	6.39	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
23-Dec-2022	<20.0	5.55	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Dec-2022	<20.0	6.59	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
30-Dec-2022	<20.0	3.52	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24hours)	180 (hour)	1.0 (24hours)	6.0 (Annual)	20 (Annual)	04 (1 hours)	01 (annual)	05 (annual)

Table:99
Area: Bharatpur

Project	Bharatpur OCP							
Monitoring Station	Near Natedi Village (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
04-Jan-2023	<20.0	5.21	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
05-Jan-2023	<20.0	5.64	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Jan-2023	<20.0	4.67	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
12-Jan-2023	<20.0	7.24	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
19-Jan-2023	<20.0	7.38	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
20-Jan-2023	<20.0	5.67	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	4.09	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
25-Jan-2023	<20.0	5.33	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Jan-2023	<20.0	6.04	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
30-Jan-2023	<20.0	5.62	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24hours)	180 (hour)	1.0 (24hours)	6.0 (Annual)	20 (Annual)	04 (1 hours)	01 (annual)	05 (annual)

Table:100
Area: Bharatpur

Project								
Bharatpur OCP								
Monitoring Station								
Near Natedi Village(Reported Only)								
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
03-Feb-2023	<20.0	5.45	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
04-Feb-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Feb-2023	<20.0	4.62	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
09-Feb-2023	<20.0	3.89	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
14-Feb-2023	<20.0	5.62	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
15-Feb-2023	<20.0	7.51	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Feb-2023	<20.0	5.52	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
21-Feb-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
27-Feb-2023	<20.0	4.38	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Feb-2023	<20.0	5.31	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24hours)	180 (hour)	1.0 (24hours)	6.0 (Annual)	20 (Annual)	04 (1 hours)	01 (annual)	05 (annual)

Table:101
Area: Bharatpur

Project								
Bharatpur OCP								
Monitoring Station								
Near Natedi Village (Reported Only)								
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
03-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
04-Mar-2023	<20.0	4.88	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
09-Mar-2023	<20.0	6.82	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
10-Mar-2023	<20.0	5.45	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
14-Mar-2023	<20.0	5.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
15-Mar-2023	<20.0	6.26	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
20-Mar-2023	<20.0	6.21	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
21-Mar-2023	<20.0	5.48	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Mar-2023	<20.0	3.65	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
30-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

Table:102
Area: Lingaraj

Project	
Lingaraj OCP	
Monitoring Station	
Near Kankili Community Centre	

<i>Date of sampling</i>	Ammonia (NH ₃) ($\mu\text{g}/\text{m}^3$)	Ozone (O ₃) ($\mu\text{g}/\text{m}^3$)	Lead (Pb) ($\mu\text{g}/\text{m}^3$)	Arsenic (As) (ng/m^3)	Nickel (Ni) (ng/m^3)
05-Apr-2022	<20.0	5.40	<0.1	<1.0	<1.0
06-Apr-2022	<20.0	5.28	<0.1	<1.0	<1.0
14-Apr-2022	<20.0	5.32	<0.1	<1.0	<1.0
15-Apr-2022	<20.0	5.44	<0.1	<1.0	<1.0
22-Apr-2022	<20.0	6.71	<0.1	<1.0	<1.0
23-Apr-2022	<20.0	6.81	<0.1	<1.0	<1.0
28-Apr-2022	<20.0	6.36	<0.1	<1.0	<1.0
29-Apr-2022	<20.0	6.21	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:103
Area: Lingaraj

<i>Project</i>	Lingaraj OCP				
<i>Monitoring Station</i>	Near Kankili Community Centre				
<i>Date of sampling</i>	Ammonia (NH ₃) ($\mu\text{g}/\text{m}^3$)	Ozone (O ₃) ($\mu\text{g}/\text{m}^3$)	Lead (Pb) ($\mu\text{g}/\text{m}^3$)	Arsenic (As) (ng/m^3)	Nickel (Ni) (ng/m^3)
06-May-2022	<20.0	6.66	<0.1	<1.0	<1.0
07-May-2022	<20.0	7.12	<0.1	<1.0	<1.0
12-May-2022	<20.0	3.96	<0.1	<1.0	<1.0
13-May-2022	<20.0	4.55	<0.1	<1.0	<1.0
20-May-2022	<20.0	6.15	<0.1	<1.0	<1.0
21-May-2022	<20.0	4.86	<0.1	<1.0	<1.0
26-May-2022	<20.0	5.68	<0.1	<1.0	<1.0
27-May-2022	<20.0	5.76	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:104
Area: Lingaraj

Project	Lingaraj OCP				
Monitoring Station	Near Kankili Community Centre				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
02-Jun-2022	<20.0	5.45	<0.1	<1.0	<1.0
03-Jun-2022	<20.0	5.62	<0.1	<1.0	<1.0
08-Jun-2022	<20.0	5.47	<0.1	<1.0	<1.0
09-Jun-2022	<20.0	4.68	<0.1	<1.0	<1.0
16-Jun-2022	<20.0	4.69	<0.1	<1.0	<1.0
17-Jun-2022	<20.0	4.58	<0.1	<1.0	<1.0
22-Jun-2022	<20.0	5.87	<0.1	<1.0	<1.0
23-Jun-2022	<20.0	4.26	<0.1	<1.0	<1.0
29-Jun-2022	<20.0	5.21	<0.1	<1.0	<1.0
30-Jun-2022	<20.0	5.15	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:105
Area: Lingaraj

Project	Monitoring Station	Date of sampling	O₃ (µg/m³)	Ammonia (µg/m³)	CO (mg/m³)	Pb (µg/m³)	As (ng/m³)	Ni (ng/m³)
Lingaraj	Near OB Dump no. 5 (South Side of the Mine)	6-Jul-22	-	-	0.86	-	-	-
Lingaraj	Near OB Dump no. 10 (North Side of the Mine)	6-Jul-22	-	-	0.69	-	-	-
Lingaraj	IWSS	6-Jul-22	-	-	0.55	-	--	-
Lingaraj	Near Lingaraj to Dera Road	6-Jul-22	-	-	0.37	-	-	-
Lingaraj	Near Kankili Community Centre	8-Jul-22	6.34	<20.0	0.12	<0.1	<1.0	<1.0
Lingaraj	Near Kankili Community Centre	9-Jul-22	6.18	<20.0	0.09	<0.1	<1.0	<1.0
Lingaraj	Near Kankili Community Centre	13-Jul-22	6.58	<20.0	0.62	<0.1	<1.0	<1.0
Lingaraj	Near Kankili Community Centre	14-Jul-22	6.31	<20.0	0.38	<0.1	<1.0	<1.0
Lingaraj	IWSS	20-Jul-22	-	-	0.24	-	-	-
Lingaraj	Near Kankili Community Centre	22-Jul-22	5.85	<20.0	0.38	<0.1	<1.0	<1.0
Lingaraj	Near Kankili Community Centre	23-Jul-22	4.29	<20.0	0.38	<0.1	<1.0	<1.0
Lingaraj	Near Kankili Community Centre	27-Jul-22	4.37	<20.0	0.44	<0.1	<1.0	<1.0
Lingaraj	Near Kankili Community Centre	28-Jul-22	6.37	<20.0	0.42	<0.1	<1.0	<1.0
Lingaraj	Near Lingaraj to Dera Road	20-Jul-22	-	-	0.75	-	-	-
Lingaraj	Near OB Dump no. 10 (North Side of the Mine)	20-Jul-22	-	-	0.76	-	-	-
Lingaraj	Near OB Dump no. 5 (South Side of the Mine)	20-Jul-22	-	-	0.68	-	-	-
Standard			180(hour)	400(24hours)	2.0(8Hours)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:106
Area: Lingaraj

Project	Lingaraj OCP				
Monitoring Station	Near Kankili Community Centre				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
05-Aug-2022	<20.0	5.15	<0.1	<1.0	<1.0
06-Aug-2022	<20.0	6.15	<0.1	<1.0	<1.0
11-Aug-2022	<20.0	6.23	<0.1	<1.0	<1.0
12-Aug-2022	<20.0	5.23	<0.1	<1.0	<1.0
19-Aug-2022	<20.0	5.87	<0.1	<1.0	<1.0
20-Aug-2022	<20.0	4.93	<0.1	<1.0	<1.0
25-Aug-2022	<20.0	6.23	<0.1	<1.0	<1.0
26-Aug-2022	<20.0	6.77	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:107
Area: Lingaraj

Project	Lingaraj OCP							
Monitoring Station	Near Kankili Community Centre							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
01-Sep-2022	<20.0	5.41	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
02-Sep-2022	<20.0	7.10	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
09-Sep-2022	<20.0	6.31	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
10-Sep-2022	<20.0	5.72	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Sep-2022	<20.0	5.87	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
17-Sep-2022	<20.0	5.39	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
23-Sep-2022	<20.0	6.37	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
24-Sep-2022	<20.0	4.77	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:108
Area: Lingaraj

Project	Lingaraj OCP							
Monitoring Station	Near Kankili Community Centre							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
03-Oct-2022	<20.0	7.10	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
04-Oct-2022	<20.0	5.49	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
10-Oct-2022	<20.0	5.41	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Oct-2022	<20.0	6.38	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
19-Oct-2022	<20.0	6.12	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
20-Oct-2022	<20.0	4.76	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
26-Oct-2022	<20.0	6.78	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
27-Oct-2022	<20.0	4.67	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

Table:109
Area: Lingaraj

Project	Lingaraj OCP							
Monitoring Station	Near Kankili Community Centre							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
01-Nov-2022	<20.0	5.21	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
02-Nov-2022	<20.0	4.56	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
07-Nov-2022	<20.0	5.55	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
08-Nov-2022	<20.0	6.51	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Nov-2022	<20.0	4.25	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
17-Nov-2022	<20.0	5.69	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Nov-2022	<20.0	5.85	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
24-Nov-2022	<20.0	5.34	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

Table:110
Area: Lingaraj

Project	Lingaraj OCP							
Monitoring Station	Near Kankili Community Centre							
Date of sampling	Amm onia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
01-Dec-2022	<20.0	6.23	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
02-Dec-2022	<20.0	5.55	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Dec-2022	<20.0	4.62	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
09-Dec-2022	<20.0	7.82	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
15-Dec-2022	<20.0	6.22	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Dec-2022	<20.0	8.5	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
22-Dec-2022	<20.0	4.6	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
23-Dec-2022	<20.0	6.2	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Dec-2022	<20.0	6.8	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
30-Dec-2022	<20.0	5.56	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:111
Area: Lingaraj

Project	Lingaraj OCP							
Monitoring Station	Near Kankili Community Centre							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
02-Jan-2023	<20.0	5.47	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
03-Jan-2023	<20.0	7.24	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
06-Jan-2023	<20.0	7.15	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
07-Jan-2023	<20.0	7.36	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
17-Jan-2023	<20.0	6.54	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
18-Jan-2023	<20.0	6.37	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	6.54	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
25-Jan-2023	<20.0	5.89	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Jan-2023	<20.0	6.89	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
30-Jan-2023	<20.0	5.94	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24hours)	180 (hour)	1.0 (24hours)	6.0 (Annual)	20 (Annual)	04 (1hours)	01 (annual)	05 (annual)



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Table:112
Area: Lingaraj

Project	Lingaraj OCP							
Monitoring Station	Near Kankili Community Centre							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Feb-2023	<20.0	5.16	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
02-Feb-2023	<20.0	5.31	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
06-Feb-2023	<20.0	6.34	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
07-Feb-2023	<20.0	7.01	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
10-Feb-2023	<20.0	4.55	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Feb-2023	<20.0	6.37	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
16-Feb-2023	<20.0	5.98	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
17-Feb-2023	<20.0	7.45	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Feb-2023	<20.0	5.81	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
24-Feb-2023	<20.0	4.39	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24h ours)	180(h our)	1.0(24h ours)	6.0(Annual)	20(Annual)	04(1h ours)	01(annual)	05(annual)

Table:113
Area: Lingaraj

Project	Lingaraj OCP							
Monitoring Station	Near Kankili Community Centre							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Mar-2023	<20.0	5.23	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
02-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
06-Mar-2023	<20.0	7.12	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
07-Mar-2023	<20.0	8.15	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
16-Mar-2023	<20.0	5.83	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
17-Mar-2023	<20.0	4.68	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
22-Mar-2023	<20.0	5.15	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
23-Mar-2023	<20.0	6.23	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Mar-2023	<20.0	5.96	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Mar-2023	<20.0	6.83	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24h ours)	180(h our)	1.0(24h ours)	6.0(Annual)	20(Annual)	04(1h ours)	01(annual)	05(annual)

Table:114
Area: Kaniha

Project	Kaniha OCP				
Monitoring Station	South West of Mine				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
06-Apr-2022	<20.0	5.41	<0.1	<1.0	<1.0
07-Apr-2022	<20.0	5.15	<0.1	<1.0	<1.0
11-Apr-2022	<20.0	5.23	<0.1	<1.0	<1.0
12-Apr-2022	<20.0	5.84	<0.1	<1.0	<1.0
20-Apr-2022	<20.0	5.26	<0.1	<1.0	<1.0
21-Apr-2022	<20.0	7.15	<0.1	<1.0	<1.0
26-Apr-2022	<20.0	6.66	<0.1	<1.0	<1.0
27-Apr-2022	<20.0	6.01	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:115
Area: Kaniha

Project	Kaniha OCP				
Monitoring Station	South West of Mine				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
03-May-2022	<20.0	4.83	<0.1	<1.0	<1.0
04-May-2022	<20.0	5.67	<0.1	<1.0	<1.0
10-May-2022	<20.0	5.15	<0.1	<1.0	<1.0
11-May-2022	<20.0	5.26	<0.1	<1.0	<1.0
17-May-2022	<20.0	4.88	<0.1	<1.0	<1.0
18-May-2022	<20.0	5.81	<0.1	<1.0	<1.0
24-May-2022	<20.0	5.92	<0.1	<1.0	<1.0
25-May-2022	<20.0	4.88	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:116
Area: Kaniha

Project	Kaniha OCP				
Monitoring Station	South West of Mine				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
07-Jun-2022	<20.0	5.55	<0.1	<1.0	<1.0
08-Jun-2022	<20.0	4.25	<0.1	<1.0	<1.0
14-Jun-2022	<20.0	4.62	<0.1	<1.0	<1.0
15-Jun-2022	<20.0	4.63	<0.1	<1.0	<1.0
21-Jun-2022	<20.0	4.68	<0.1	<1.0	<1.0
22-Jun-2022	<20.0	4.98	<0.1	<1.0	<1.0
27-Jun-2022	<20.0	5.64	<0.1	<1.0	<1.0
28-Jun-2022	<20.0	5.32	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)



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Table:117
Area: Kaniha

Monitoring Station	Date of sampling	O ₃ (µg/m ³)	Ammonia (µg/m ³)	CO (mg/m ³)	Pb (µg/m ³)	As (ng/m ³)	Ni (ng/m ³)
Near Project Office	7-Jul-22	-	-	0.68	-	-	-
New Time Office (Near Z-Patch)	7-Jul-22	-	-	0.95	-	-	-
Old Site Office	7-Jul-22	-	-	0.67	-	-	-
North of the mine *	9-Jul-22	-	-	0.58	-	-	-
Near Jatra Padia, Jarada	9-Jul-22	-	-	0.73	-	-	-
Near External OB Dump, Jamania	9-Jul-22	-	-	0.97	-	-	-
South West of Mine	4-Jul-22	6.38	<20.0	0.85	<0.1	<1.0	<1.0
South West of Mine	5-Jul-22	5.54	<20.0	0.24	<0.1	<1.0	<1.0
South West of Mine	11-Jul-22	4.65	<20.0	0.56	<0.1	<1.0	<1.0
South West of Mine	12-Jul-22	7.21	<20.0	1.24	<0.1	<1.0	<1.0
South of Proposed Quarry Limit of KOCP	4-Jul-22	5.62	<20.0	0.52	<0.1	<1.0	<1.0
South of Proposed Quarry Limit of KOCP	5-Jul-22	5.61	<20.0	0.73	<0.1	<1.0	<1.0
South of Proposed Quarry Limit of KOCP	11-Jul-22	5.57	<20.0	0.58	<0.1	<1.0	<1.0
South of Proposed Quarry Limit of KOCP	12-Jul-22	6.38	<20.0	0.62	<0.1	<1.0	<1.0
Near External OB Dump, Jamania	23-Jul-22	-	-	0.68	-	-	-
Near Jatra Padia, Jarada	23-Jul-22	-	-	0.59	-	-	-
Near Project Office	21-Jul-22	-	-	0.67	-	-	-
Near Time Office (Near Z-Patch)	21-Jul-22	-	-	0.69	-	-	-
North of the Mine	23-Jul-22	-	-	0.13	-	-	-
Old Site Office	21-Jul-22	-	-	0.49	-	-	-
South of Proposed Quarry Limit of KOCP	18-Jul-22	6.31	<20.0	0.27	<0.1	<1.0	<1.0
South of Proposed Quarry Limit of KOCP	19-Jul-22	4.69	<20.0	0.35	<0.1	<1.0	<1.0
South of Proposed Quarry Limit of KOCP	25-Jul-22	7.56	<20.0	0.62	<0.1	<1.0	<1.0
South of Proposed Quarry Limit of KOCP (NAAQS)	26-Jul-22	4.69	<20.0	0.73	<0.1	<1.0	<1.0
South West of the Mine	18-Jul-22	5.39	<20.0	0.13	<0.1	<1.0	<1.0
South West of the Mine	19-Jul-22	7.56	<20.0	0.28	<0.1	<1.0	<1.0
South West of the Mine	25-Jul-22	7.63	<20.0	0.92	<0.1	<1.0	<1.0
South West of the Mine	26-Jul-22	4.69	<20.0	1.02	<0.1	<1.0	<1.0

Standard	180(ho ur)	400(24h ours)	2.0(8Hours)	1.0(24hou rs)	6.0(Annua l)	20(Annual)



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Table:118
Area: Kaniha

Project	Kaniha OCP				
Monitoring Station	South West of Mine				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
02-Aug-2022	<20.0	6.82	<0.1	<1.0	<1.0
03-Aug-2022	<20.0	5.62	<0.1	<1.0	<1.0
09-Aug-2022	<20.0	5.58	<0.1	<1.0	<1.0
10-Aug-2022	<20.0	5.74	<0.1	<1.0	<1.0
16-Aug-2022	<20.0	6.36	<0.1	<1.0	<1.0
17-Aug-2022	<20.0	5.91	<0.1	<1.0	<1.0
23-Aug-2022	<20.0	6.23	<0.1	<1.0	<1.0
24-Aug-2022	<20.0	6.55	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:119
Area: Kaniha

Project	Kaniha OCP							
Monitoring Station	South West of Mine							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
05-Sep-2022	<20.0	5.82	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
06-Sep-2022	<20.0	6.62	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
12-Sep-2022	<20.0	4.85	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
13-Sep-2022	<20.0	5.24	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
19-Sep-2022	<20.0	6.46	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
20-Sep-2022	<20.0	4.91	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
26-Sep-2022	<20.0	5.23	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
27-Sep-2022	<20.0	4.55	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:120
Area: Kaniha

Project	Kaniha OCP							
Monitoring Station	South West of Mine							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Oct-2022	<20.0	4.91	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
04-Oct-2022	<20.0	6.45	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
10-Oct-2022	<20.0	6.63	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
11-Oct-2022	<20.0	5.32	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
21-Oct-2022	<20.0	3.73	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Oct-2022	<20.0	5.64	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
28-Oct-2022	<20.0	6.18	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Oct-2022	<20.0	6.55	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

Table:121
Area: Kaniha

Project	Kaniha OCP							
Monitoring Station	South West of Mine							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Nov-2022	<20.0	5.36	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
04-Nov-2022	<20.0	7.45	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
09-Nov-2022	<20.0	6.31	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
10-Nov-2022	<20.0	5.54	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
18-Nov-2022	<20.0	5.45	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
19-Nov-2022	<20.0	4.36	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
25-Nov-2022	<20.0	4.69	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
26-Nov-2022	<20.0	4.98	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

Table:122
Area: Kaniha

Project	Kaniha OCP							
Monitoring Station	South West of Mine							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
01-Dec-2023	<20.0	8.2	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
02-Dec-2023	<20.0	4.64	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
08-Dec-2023	<20.0	3.48	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
09-Dec-2023	<20.0	4.23	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
15-Dec-2023	<20.0	7.45	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
16-Dec-2023	<20.0	8.36	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
22-Dec-2023	<20.0	4.66	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
23-Dec-2023	<20.0	5.62	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Dec-2023	<20.0	4.12	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
30-Dec-2023	<20.0	6.7	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24 hours)	180 (hour)	1.0 (24 hours)	6.0 (Annual)	20 (Annual)	04 (1 hours)	01 (annual)	05 (annual)

Table:123
Area: Kaniha

Project	Kaniha OCP							
Monitoring Station	South West of Mine							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
04-Jan-2023	<20.0	6.54	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
05-Jan-2023	<20.0	4.68	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Jan-2023	<20.0	5.65	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
12-Jan-2023	<20.0	6.35	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
17-Jan-2023	<20.0	5.89	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
18-Jan-2023	<20.0	5.87	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	6.38	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
25-Jan-2023	<20.0	5.69	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
29-Jan-2023	<20.0	5.88	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
30-Jan-2023	<20.0	4.99	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24 hours)	180 (hour)	1.0 (24 hours)	6.0 (Annual)	20 (Annual)	04 (1 hours)	01 (annual)	05 (annual)

Table:124
Area: Kaniha

Project	Kaniha OCP							
Monitoring Station	South West of Mine							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
01-Feb-2023	<20.0	5.12	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
02-Feb-2023	<20.0	6.14	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
06-Feb-2023	<20.0	5.78	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
07-Feb-2023	<20.0	7.15	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
09-Feb-2023	<20.0	6.54	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
10-Feb-2023	<20.0	5.62	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
16-Feb-2023	<20.0	4.61	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
17-Feb-2023	<20.0	5.55	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Feb-2023	<20.0	5.13	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
24-Feb-2023	<20.0	6.30	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0 (Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

Table:125
Area: Kaniha

Project	Kaniha OCP							
Monitoring Station	South West of Mine							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
01-Mar-2023	<20.0	4.81	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
02-Mar-2023	<20.0	5.31	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
06-Mar-2023	<20.0	6.21	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
07-Mar-2023	<20.0	6.12	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Mar-2023	<20.0	4.88	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
17-Mar-2023	<20.0	5.56	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
22-Mar-2023	<20.0	6.12	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
23-Mar-2023	<20.0	5.86	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Mar-2023	<20.0	6.22	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Mar-2023	<20.0	5.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0 (Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)



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Table:126
Area: Kaniha

Project	Kaniha OCP				
Monitoring Station	South of Proposed Quarry Limit of KOCP				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
06-Apr-2022	<20.0	4.15	<0.1	<1.0	<1.0
07-Apr-2022	<20.0	6.04	<0.1	<1.0	<1.0
11-Apr-2022	<20.0	5.26	<0.1	<1.0	<1.0
12-Apr-2022	<20.0	7.01	<0.1	<1.0	<1.0
20-Apr-2022	<20.0	6.09	<0.1	<1.0	<1.0
21-Apr-2022	<20.0	5.21	<0.1	<1.0	<1.0
25-Apr-2022	<20.0	7.08	<0.1	<1.0	<1.0
26-Apr-2022	<20.0	6.15	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:127
Area: Kaniha

Project	Kaniha OCP				
Monitoring Station	South of Proposed Quarry Limit of KOCP				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
03-May-2022	<20.0	5.69	<0.1	<1.0	<1.0
04-May-2022	<20.0	5.26	<0.1	<1.0	<1.0
09-May-2022	<20.0	5.89	<0.1	<1.0	<1.0
10-May-2022	<20.0	4.67	<0.1	<1.0	<1.0
17-May-2022	<20.0	4.56	<0.1	<1.0	<1.0
18-May-2022	<20.0	4.45	<0.1	<1.0	<1.0
23-May-2022	<20.0	5.53	<0.1	<1.0	<1.0
24-May-2022	<20.0	6.15	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:128
Area: Kaniha

Project	Kaniha OCP				
Monitoring Station	South of Proposed Quarry Limit of KOCP				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
06-Jun-2022	<20.0	5.45	<0.1	<1.0	<1.0
07-Jun-2022	<20.0	6.34	<0.1	<1.0	<1.0
14-Jun-2022	<20.0	4.32	<0.1	<1.0	<1.0
15-Jun-2022	<20.0	5.89	<0.1	<1.0	<1.0
21-Jun-2022	<20.0	5.63	<0.1	<1.0	<1.0
22-Jun-2022	<20.0	5.45	<0.1	<1.0	<1.0
27-Jun-2022	<20.0	5.47	<0.1	<1.0	<1.0
28-Jun-2022	<20.0	6.31	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:129
Area: Kaniha

Project	Kaniha OCP				
Monitoring Station	South of Proposed Quarry Limit of KOCP				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
02-Aug-2022	<20.0	6.01	<0.1	<1.0	<1.0
03-Aug-2022	<20.0	6.82	<0.1	<1.0	<1.0
09-Aug-2022	<20.0	4.15	<0.1	<1.0	<1.0
10-Aug-2022	<20.0	6.15	<0.1	<1.0	<1.0
16-Aug-2022	<20.0	6.21	<0.1	<1.0	<1.0
17-Aug-2022	<20.0	5.91	<0.1	<1.0	<1.0
23-Aug-2022	<20.0	5.83	<0.1	<1.0	<1.0
24-Aug-2022	<20.0	5.92	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:130
Area: Kaniha

Project	Kaniha OCP							
Monitoring Station	South of Proposed Quarry Limit of KOCP							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
05-Sep-2022	<20.0	5.01	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
06-Sep-2022	<20.0	6.52	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
12-Sep-2022	<20.0	5.52	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
13-Sep-2022	<20.0	5.85	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
19-Sep-2022	<20.0	6.21	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Sep-2022	<20.0	4.91	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
26-Sep-2022	<20.0	5.49	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
27-Sep-2022	<20.0	4.92	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

Table:131
Area: Kaniha

Project	Kaniha OCP							
Monitoring Station	South of Proposed Quarry Limit of KOCP							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Oct-2022	<20.0	5.81	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
04-Oct-2022	<20.0	5.42	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
10-Oct-2022	<20.0	5.85	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Oct-2022	<20.0	6.20	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
21-Oct-2022	<20.0	4.26	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
22-Oct-2022	<20.0	7.73	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Oct-2022	<20.0	3.65	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Oct-2022	<20.0	4.92	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

Table:132
Area: Kaniha

Project	Kaniha OCP							
Monitoring Station	South of Proposed Quarry Limit of KOCP							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Nov-2022	<20.0	5.55	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
04-Nov-2022	<20.0	5.45	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
09-Nov-2022	<20.0	3.99	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
10-Nov-2022	<20.0	3.89	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
18-Nov-2022	<20.0	3.78	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
19-Nov-2022	<20.0	4.55	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
25-Nov-2022	<20.0	5.36	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
26-Nov-2022	<20.0	7.05	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:133
Area: Kaniha

Project	Kaniha OCP							
Monitoring Station	South of Proposed Quarry Limit of KOCP							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Dec-2022	<20.0	7.32	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
02-Dec-2022	<20.0	4.56	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Dec-2022	<20.0	8.62	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
09-Dec-2022	<20.0	4.44	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
15-Dec-2022	<20.0	6.2	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
16-Dec-2022	<20.0	4.22	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Dec-2022	<20.0	6.78	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Dec-2022	<20.0	4.66	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Dec-2022	<20.0	3.89	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
30-Dec-2022	<20.0	6.48	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24hours)	180 (hour)	1.0 (24hours)	6.0 (Annual)	20 (Annual)	04 (1hours)	01 (annual)	05 (annual)

Table:134
Area: Kaniha

Project	Kaniha OCP							
Monitoring Station	South of Proposed Quarry Limit of KOCP							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
04-Jan-2023	<20.0	5.45	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
05-Jan-2023	<20.0	4.36	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
11-Jan-2023	<20.0	7.25	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
12-Jan-2023	<20.0	6.22	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Jan-2023	<20.0	6.57	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
17-Jan-2023	<20.0	4.63	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Jan-2023	<20.0	5.38	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	5.60	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
30-Jan-2023	<20.0	5.31	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
31-Jan-2023	<20.0	6.07	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24hours)	180 (hour)	1.0 (24hours)	6.0 (Annual)	20 (Annual)	04 (1hours)	01 (annual)	05 (annual)

Table:135
Area: Kaniha

Project	Kaniha OCP							
Monitoring Station	South of Proposed Quarry Limit of KOCP							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
01-Feb-2023	<20.0	4.25	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
02-Feb-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
06-Feb-2023	<20.0	5.12	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
07-Feb-2023	<20.0	4.25	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
10-Feb-2023	<20.0	5.65	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
11-Feb-2023	<20.0	5.01	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
16-Feb-2023	<20.0	7.05	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
17-Feb-2023	<20.0	6.91	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
23-Feb-2023	<20.0	6.87	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
24-Feb-2023	<20.0	5.37	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:136
Area: Kaniha

Project	Kaniha OCP							
Monitoring Station	South of Proposed Quarry Limit of KOCP							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
01-Mar-2023	<20.0	4.88	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
02-Mar-2023	<20.0	5.62	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
06-Mar-2023	<20.0	4.92	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
07-Mar-2023	<20.0	6.13	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
15-Mar-2023	<20.0	7.18	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
16-Mar-2023	<20.0	4.25	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
22-Mar-2023	<20.0	5.66	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
23-Mar-2023	<20.0	6.12	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Mar-2023	<20.0	5.81	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Mar-2023	<20.0	6.72	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:137
Area: Hingula

Project	Hingula OCP				
Monitoring Station	North of the Mine, Purnapi, Kumunda Village				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
05-Apr-2022	<20.0	6.23	<0.1	<1.0	<1.0
06-Apr-2022	<20.0	6.41	<0.1	<1.0	<1.0
12-Apr-2022	<20.0	6.21	<0.1	<1.0	<1.0
13-Apr-2022	<20.0	5.91	<0.1	<1.0	<1.0
22-Apr-2022	<20.0	4.68	<0.1	<1.0	<1.0
23-Apr-2022	<20.0	4.81	<0.1	<1.0	<1.0
27-Apr-2022	<20.0	4.55	<0.1	<1.0	<1.0
28-Apr-2022	<20.0	4.82	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:138
Area: Hingula

Project	Hingula OCP				
Monitoring Station	North of the Mine, Purnapi, Kumunda Village				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
06-May-2022	<20.0	4.91	<0.1	<1.0	<1.0
07-May-2022	<20.0	5.36	<0.1	<1.0	<1.0
11-May-2022	<20.0	5.15	<0.1	<1.0	<1.0
12-May-2022	<20.0	4.63	<0.1	<1.0	<1.0
20-May-2022	<20.0	6.26	<0.1	<1.0	<1.0
21-May-2022	<20.0	5.86	<0.1	<1.0	<1.0
23-May-2022	<20.0	5.15	<0.1	<1.0	<1.0
26-May-2022	<20.0	6.23	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:139
Area: Hingula

Project	Hingula OCP				
Monitoring Station	North of the Mine, Purnapi, Kumunda Village				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
02-Jun-2022	<20.0	5.23	<0.1	<1.0	<1.0
03-Jun-2022	<20.0	4.56	<0.1	<1.0	<1.0
09-Jun-2022	<20.0	6.13	<0.1	<1.0	<1.0
10-Jun-2022	<20.0	4.56	<0.1	<1.0	<1.0
16-Jun-2022	<20.0	4.56	<0.1	<1.0	<1.0
17-Jun-2022	<20.0	5.45	<0.1	<1.0	<1.0
22-Jun-2022	<20.0	5.32	<0.1	<1.0	<1.0
23-Jun-2022	<20.0	4.65	<0.1	<1.0	<1.0
29-Jun-2022	<20.0	5.25	<0.1	<1.0	<1.0
30-Jun-2022	<20.0	5.38	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:140
Area: Hingula

Project	Monitoring Station	Date of sampling	O3 ($\mu\text{g}/\text{m}^3$)	Amm onia ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	Pb ($\mu\text{g}/\text{m}^3$)	As (ng/m^3)	Ni (ng/m^3)
Hingula	Time Office	4-Jul-22			0.21			
Hingula	Near Pirakhaman village	4-Jul-22			0.45			
Hingula	North of the Mine, Purnapi, Kumunda Village	7-Jul-22	6.37	<20.0	1.02	<0.1	<1.0	<1.0
Hingula	North of the Mine, Purnapi, Kumunda Village	8-Jul-22	7.58	<20.0	0.15	<0.1	<1.0	<1.0
Hingula	North of the Mine, Purnapi, Kumunda Village	13-Jul-22	7.26	<20.0	0.94	<0.1	<1.0	<1.0
Hingula	North of the Mine, Purnapi, Kumunda Village	14-Jul-22	7.21	<20.0	0.81	<0.1	<1.0	<1.0
Hingula	North of the Mine, Purnapi, Kumunda Village	21-Jul-22	6.37	<20.0	0.16	<0.1	<1.0	<1.0
Hingula	North of the Mine, Purnapi, Kumunda Village	22-Jul-22	7.35	<20.0	0.28	<0.1	<1.0	<1.0
Hingula	North of the Mine, Purnapi, Kumunda Village	27-Jul-22	6.38	<20.0	0.37	<0.1	<1.0	<1.0
Hingula	North of the Mine, Purnapi, Kumunda Village	28-Jul-22	7.26	<20.0	0.34	<0.1	<1.0	<1.0
Hingula	Near Pirakhaman village	18-Jul-22	-	-	0.43	-	-	-
Hingula	Time Office	18-Jul-22	-	-	1.01	-	-	-
Standard			180 (hour)	400(24hours)	2.0 (8Hours)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:141
Area: Hingula

Project	Hingula OCP				
Monitoring Station	North of the Mine, Purnapi, Kumunda Village				
Date of sampling	Ammonia (NH_3)	Ozone (O_3)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
04-Aug-2022	<20.0	5.15	<0.1	<1.0	<1.0
05-Aug-2022	<20.0	5.26	<0.1	<1.0	<1.0
11-Aug-2022	<20.0	5.44	<0.1	<1.0	<1.0
12-Aug-2022	<20.0	6.10	<0.1	<1.0	<1.0
17-Aug-2022	<20.0	5.62	<0.1	<1.0	<1.0
18-Aug-2022	<20.0	6.23	<0.1	<1.0	<1.0
19-Aug-2022	<20.0	6.56	<0.1	<1.0	<1.0
25-Aug-2022	<20.0	5.05	<0.1	<1.0	<1.0
26-Aug-2022	<20.0	6.23	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:142
Area: Hingula

Project	Hingula OCP							
Monitoring Station	North of the Mine, Purnapi, Kumunda Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
05-Sep-2022	<20.0	4.59	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
06-Sep-2022	<20.0	6.25	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
12-Sep-2022	<20.0	5.44	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
13-Sep-2022	<20.0	5.91	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
19-Sep-2022	<20.0	4.62	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Sep-2022	<20.0	5.69	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
26-Sep-2022	<20.0	6.64	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Sep-2022	<20.0	5.72	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:143
Area: Hingula

Project	Hingula OCP							
Monitoring Station	North of the Mine, Purnapi, Kumunda Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Oct-2022	<20.0	5.41	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
04-Oct-2022	<20.0	5.90	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
10-Oct-2022	<20.0	5.67	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
11-Oct-2022	<20.0	4.59	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
21-Oct-2022	<20.0	7.36	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
22-Oct-2022	<20.0	6.58	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Oct-2022	<20.0	4.69	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Oct-2022	<20.0	5.88	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:144
Area: Hingula

Project	Hingula OCP							
Monitoring Station	North of the Mine, Purnapi, Kumunda Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
02-Nov-2022	<20.0	5.35	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
03-Nov-2022	<20.0	4.25	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
04-Nov-2022	<20.0	6.31	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
09-Nov-2022	<20.0	6.54	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
10-Nov-2022	<20.0	6.58	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
18-Nov-2022	<20.0	6.34	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
19-Nov-2022	<20.0	6.37	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
25-Nov-2022	<20.0	7.01	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
26-Nov-2022	<20.0	6.05	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

Table:145
Area: Hingula

Project	Hingula OCP							
Monitoring Station	North of the Mine, Purnapi, Kumunda Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
01-Dec-2022	<20.0	7.46	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
02-Dec-2022	<20.0	6.25	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
08-Dec-2022	<20.0	4.56	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
09-Dec-2022	<20.0	8.56	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
15-Dec-2022	<20.0	3.42	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
16-Dec-2022	<20.0	6.47	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
22-Dec-2022	<20.0	5.82	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
23-Dec-2022	<20.0	4.56	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Dec-2022	<20.0	6.2	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
30-Dec-2022	<20.0	7.8	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24 hours)	180 (hour)	1.0 (24 hours)	6.0 (Annual)	20 (Annual)	04 (1 hours)	01 (annual)	05 (annual)

Table:146
Area: Hingula

Project	Hingula OCP							
Monitoring Station	North of the Mine, Purnapi, Kumunda Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
04-Jan-2023	<20.0	5.64	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
05-Jan-2023	<20.0	4.26	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
11-Jan-2023	<20.0	7.25	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
12-Jan-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
17-Jan-2023	<20.0	4.56	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
18-Jan-2023	<20.0	7.06	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	6.32	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
25-Jan-2023	<20.0	5.89	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
30-Jan-2023	<20.0	4.55	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
31-Jan-2023	<20.0	3.91	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24 hours)	180 (hour)	1.0 (24 hours)	6.0 (Annual)	20 (Annual)	04 (1 hour s)	01 (annual)	05 (annual)

Table:147
Area: Hingula

Project	Hingula OCP							
Monitoring Station	North of the Mine, Purnapi, Kumunda Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Feb-2023	<20.0	5.16	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
02-Feb-2023	<20.0	4.51	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
06-Feb-2023	<20.0	5.67	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
07-Feb-2023	<20.0	4.56	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
10-Feb-2023	<20.0	5.50	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
11-Feb-2023	<20.0	7.51	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Feb-2023	<20.0	4.52	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
17-Feb-2023	<20.0	5.07	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Feb-2023	<20.0	7.01	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
24-Feb-2023	<20.0	5.64	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180 (hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hour s)	01(annual)	05(annual)

Table:148
Area: Hingula

Project	Hingula OCP							
Monitoring Station	North of the Mine, Purnapi, Kumunda Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
01-Mar-2023	<20.0	6.26	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
02-Mar-2023	<20.0	5.88	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
06-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
07-Mar-2023	<20.0	7.12	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
16-Mar-2023	<20.0	5.63	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
17-Mar-2023	<20.0	3.96	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
22-Mar-2023	<20.0	4.21	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
23-Mar-2023	<20.0	4.36	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
27-Mar-2023	<20.0	5.56	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Mar-2023	<20.0	6.16	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

Table:149
Area: Hingula

Project	Hingula OCP				
Monitoring Station	North East of the Mine, Solada Village				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
07-Apr-2022	<20.0	5.76	<0.1	<1.0	<1.0
08-Apr-2022	<20.0	5.86	<0.1	<1.0	<1.0
13-Apr-2022	<20.0	5.15	<0.1	<1.0	<1.0
14-Apr-2022	<20.0	4.90	<0.1	<1.0	<1.0
22-Apr-2022	<20.0	5.81	<0.1	<1.0	<1.0
23-Apr-2022	<20.0	6.81	<0.1	<1.0	<1.0
28-Apr-2022	<20.0	6.02	<0.1	<1.0	<1.0
29-Apr-2022	<20.0	5.83	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:150
Area: Hingula

Project	Hingula OCP				
Monitoring Station	North East of the Mine, Solada Village				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
06-May-2022	<20.0	6.15	<0.1	<1.0	<1.0
07-May-2022	<20.0	5.45	<0.1	<1.0	<1.0
12-May-2022	<20.0	5.55	<0.1	<1.0	<1.0
13-May-2022	<20.0	5.61	<0.1	<1.0	<1.0
20-May-2022	<20.0	5.63	<0.1	<1.0	<1.0
21-May-2022	<20.0	6.24	<0.1	<1.0	<1.0
26-May-2022	<20.0	5.43	<0.1	<1.0	<1.0
27-May-2022	<20.0	5.62	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:151
Area: Hingula

Project	Hingula OCP				
Monitoring Station	North East of the Mine, Solada Village				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
02-Jun-2022	<20.0	5.45	<0.1	<1.0	<1.0
03-Jun-2022	<20.0	4.56	<0.1	<1.0	<1.0
10-Jun-2022	<20.0	5.55	<0.1	<1.0	<1.0
11-Jun-2022	<20.0	4.56	<0.1	<1.0	<1.0
16-Jun-2022	<20.0	5.32	<0.1	<1.0	<1.0
17-Jun-2022	<20.0	5.78	<0.1	<1.0	<1.0
24-Jun-2022	<20.0	6.34	<0.1	<1.0	<1.0
25-Jun-2022	<20.0	5.61	<0.1	<1.0	<1.0
30-Jun-2022	<20.0	5.15	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:152
Area: Hingula

Project	Monitoring Station	Date of sampling	O ₃ (µg/m ³)	Amm onia (µg/m ³)	CO (mg/m ³)	Pb (µg/m ³)	As (ng/m ³)	Ni (ng/m ³)
Hingula	Time Office	4-Jul-22			0.21			
Hingula	North East of the Mine, Solada Village	1-Jul-22	5.60	<20.0	0.57	<0.1	<1.0	<1.0
Hingula	North East of the Mine, Solada Village	7-Jul-22	5.98	<20.0	0.73	<0.1	<1.0	<1.0
Hingula	North East of the Mine, Solada Village	8-Jul-22	7.70	<20.0	0.54	<0.1	<1.0	<1.0
Hingula	North East of the Mine, Solada Village	13-Jul-22	6.38	<20.0	0.52	<0.1	<1.0	<1.0
Hingula	North East of the Mine, Solada Village	14-Jul-22	6.94	<20.0	0.83	<0.1	<1.0	<1.0
Hingula	North East of the Mine, Solada Village	21-Jul-22	5.31	<20.0	0.13	<0.1	<1.0	<1.0
Hingula	North East of the Mine, Solada Village	22-Jul-22	5.63	<20.0	0.25	<0.1	<1.0	<1.0
Hingula	North East of the Mine, Solada Village	27-Jul-22	5.89	<20.0	0.34	<0.1	<1.0	<1.0
Hingula	North East of the Mine, Solada Village	28-Jul-22	5.45	<20.0	0.22	<0.1	<1.0	<1.0
Hingula	Time Office	18-Jul-22	-	-	1.01	-	-	-
Standard			180 (hour)	400(24hours)	2.0 (8Hours)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:153
Area: Hingula

Project	Hingula OCP				
Monitoring Station	North East of the Mine, Solada Village				
Date of sampling	Ammonia (NH ₃) (µg/m ³)	Ozone (O ₃) (µg/m ³)	Lead (Pb) (µg/m ³)	Arsenic (As) (ng/m ³)	Nickel (Ni) (ng/m ³)
04-Aug-2022	<20.0	6.73	<0.1	<1.0	<1.0
05-Aug-2022	<20.0	5.42	<0.1	<1.0	<1.0
11-Aug-2022	<20.0	6.15	<0.1	<1.0	<1.0
12-Aug-2022	<20.0	5.82	<0.1	<1.0	<1.0
18-Aug-2022	<20.0	5.76	<0.1	<1.0	<1.0
19-Aug-2022	<20.0	6.01	<0.1	<1.0	<1.0
25-Aug-2022	<20.0	3.98	<0.1	<1.0	<1.0
26-Aug-2022	<20.0	4.12	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:154
Area: Hingula

Project	Hingula OCP							
Monitoring Station	North East of the Mine, Solada Village							
Date of sampling	Amm onia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
05-Sep-2022	<20.0	6.73	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
06-Sep-2022	<20.0	5.42	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
12-Sep-2022	<20.0	6.15	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
13-Sep-2022	<20.0	5.82	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
19-Sep-2022	<20.0	5.76	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Sep-2022	<20.0	6.01	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
26-Sep-2022	<20.0	3.98	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
27-Sep-2022	<20.0	4.12	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

Table:155
Area: Hingula

Project	Hingula OCP							
Monitoring Station	North East of the Mine, Solada Village							
Date of sampling	Amm onia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Oct-2022	<20.0	6.01	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
04-Oct-2022	<20.0	5.80	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
10-Oct-2022	<20.0	6.71	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
11-Oct-2022	<20.0	5.48	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
21-Oct-2022	<20.0	6.08	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
22-Oct-2022	<20.0	7.88	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Oct-2022	<20.0	4.1	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Oct-2022	<20.0	6.75	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

Table:156
Area: Hingula

Project	Hingula OCP							
Monitoring Station	North East of the Mine, Solada Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Nov-2022	<20.0	5.54	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
04-Nov-2022	<20.0	4.26	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
09-Nov-2022	<20.0	7.25	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
10-Nov-2022	<20.0	6.38	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
18-Nov-2022	<20.0	6.54	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
19-Nov-2022	<20.0	6.38	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
25-Nov-2022	<20.0	6.09	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
26-Nov-2022	<20.0	5.65	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180 (hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:157
Area: Hingula

Project	Hingula OCP							
Monitoring Station	North East of the Mine, Solada Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Dec-2022	<20.0	7.46	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
02-Dec-2022	<20.0	6.25	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
08-Dec-2022	<20.0	4.56	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
09-Dec-2022	<20.0	8.56	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
15-Dec-2022	<20.0	3.42	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
16-Dec-2022	<20.0	6.47	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
22-Dec-2022	<20.0	5.82	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
23-Dec-2022	<20.0	4.56	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Dec-2022	<20.0	6.2	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
30-Dec-2022	<20.0	7.8	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24hours)	180 (hour)	1.0 (24hours)	6.0 (Annual)	20 (Annual)	04 (1hours)	01 (annual)	05 (annual)

Table:158
Area: Hingula

Project	Hingula OCP							
Monitoring Station	North East of the Mine, Solada Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
04-Jan-2023	<20.0	5.45	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
05-Jan-2023	<20.0	7.02	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
11-Jan-2023	<20.0	6.35	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
12-Jan-2023	<20.0	4.68	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
19-Jan-2023	<20.0	6.32	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Jan-2023	<20.0	5.98	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	5.24	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
25-Jan-2023	<20.0	6.03	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
30-Jan-2023	<20.0	6.33	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
31-Jan-2023	<20.0	5.55	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24hours)	180 (hour)	1.0 (24hours)	6.0 (Annual)	20 (Annual)	04 (1hours)	01 (annual)	05 (annual)

Table:159
Area: Hingula

Project	Hingula OCP							
Monitoring Station	North East of the Mine, Solada Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
01-Feb-2023	<20.0	4.21	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
02-Feb-2023	<20.0	4.62	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
06-Feb-2023	<20.0	5.25	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
07-Feb-2023	<20.0	4.63	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
10-Feb-2023	<20.0	4.32	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
11-Feb-2023	<20.0	5.60	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
16-Feb-2023	<20.0	7.56	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
17-Feb-2023	<20.0	4.65	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Feb-2023	<20.0	5.84	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
24-Feb-2023	<20.0	5.98	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:160
Area: Hingula

Project	Hingula OCP							
Monitoring Station	North East of the Mine, Solada Village							
Date of sampling	Amm onia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Mar-2023	<20.0	5.85	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
02-Mar-2023	<20.0	5.43	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
14-Mar-2023	<20.0	6.23	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
15-Mar-2023	<20.0	5.88	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
16-Mar-2023	<20.0	6.22	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
17-Mar-2023	<20.0	5.81	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
22-Mar-2023	<20.0	4.08	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
23-Mar-2023	<20.0	5.36	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Mar-2023	<20.0	4.26	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Mar-2023	<20.0	7.29	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:161
Area: Hingula

Project	Balram OCP				
Monitoring Station	Near Natedi Village				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)
08-Apr-2022	<20.0	5.86	<0.1	<1.0	<1.0
09-Apr-2022	<20.0	6.15	<0.1	<1.0	<1.0
13-Apr-2022	<20.0	5.77	<0.1	<1.0	<1.0
14-Apr-2022	<20.0	5.62	<0.1	<1.0	<1.0
22-Apr-2022	<20.0	6.24	<0.1	<1.0	<1.0
23-Apr-2022	<20.0	4.58	<0.1	<1.0	<1.0
28-Apr-2022	<20.0	4.81	<0.1	<1.0	<1.0
29-Apr-2022	<20.0	4.76	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:162
Area: Hingula

Project	Balram OCP				
Monitoring Station	Near Natedi Village				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
06-May-2022	<20.0	5.49	<0.1	<1.0	<1.0
07-May-2022	<20.0	6.56	<0.1	<1.0	<1.0
12-May-2022	<20.0	6.15	<0.1	<1.0	<1.0
13-May-2022	<20.0	7.12	<0.1	<1.0	<1.0
20-May-2022	<20.0	5.73	<0.1	<1.0	<1.0
21-May-2022	<20.0	4.83	<0.1	<1.0	<1.0
26-May-2022	<20.0	4.92	<0.1	<1.0	<1.0
27-May-2022	<20.0	5.15	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:163
Area: Hingula

Project	Balram OCP				
Monitoring Station	Near Natedi Village				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
03-Jun-2022	<20.0	5.54	<0.1	<1.0	<1.0
04-Jun-2022	<20.0	5.64	<0.1	<1.0	<1.0
10-Jun-2022	<20.0	4.68	<0.1	<1.0	<1.0
11-Jun-2022	<20.0	6.32	<0.1	<1.0	<1.0
17-Jun-2022	<20.0	5.54	<0.1	<1.0	<1.0
18-Jun-2022	<20.0	5.84	<0.1	<1.0	<1.0
24-Jun-2022	<20.0	5.62	<0.1	<1.0	<1.0
25-Jun-2022	<20.0	5.65	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:164
Area: Hingula

Project	Monitoring Station	Date of sampling	O ₃ (µg/m ³)	Ammonia (µg/m ³)	CO (mg/m ³)	Pb (µg/m ³)	As (ng/m ³)	Ni (ng/m ³)
Balram	Near Natedi Village	1-Jul-22	6.54	<20.0	0.21	<0.1	<1.0	<1.0
Balram	Near Natedi Village	8-Jul-22	6.32	<20.0	0.45	<0.1	<1.0	<1.0
Balram	Near Natedi Village	9-Jul-22	5.31	<20.0	1.02	<0.1	<1.0	<1.0
Balram	Near Natedi Village	13-Jul-22	6.38	<20.0	0.97	<0.1	<1.0	<1.0
Balram	Near Natedi Village	14-Jul-22	6.31	<20.0	0.53	<0.1	<1.0	<1.0
Balram	Near Natedi Village	22-Jul-22	5.32	<20.0	0.19	<0.1	<1.0	<1.0
Balram	Near Natedi Village	23-Jul-22	6.31	<20.0	0.45	<0.1	<1.0	<1.0
Balram	Near Natedi Village	27-Jul-22	5.00	<20.0	0.46	<0.1	<1.0	<1.0
Balram	Near Natedi Village	28-Jul-22	6.01	<20.0	0.14	<0.1	<1.0	<1.0
Standard			180(hour)	400(24hours)	2.0(8Hours)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:165
Area: Hingula

Project	Balram OCP				
Monitoring Station	Near Natedi Village				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
05-Aug-2022	<20.0	7.03	<0.1	<1.0	<1.0
06-Aug-2022	<20.0	5.76	<0.1	<1.0	<1.0
11-Aug-2022	<20.0	5.82	<0.1	<1.0	<1.0
12-Aug-2022	<20.0	6.15	<0.1	<1.0	<1.0
19-Aug-2022	<20.0	5.18	<0.1	<1.0	<1.0
20-Aug-2022	<20.0	6.28	<0.1	<1.0	<1.0
25-Aug-2022	<20.0	5.71	<0.1	<1.0	<1.0
26-Aug-2022	<20.0	4.56	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:166
Area: Hingula

Project	Balram OCP							
Monitoring Station	Near Natedi Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
07-Sep-22	<20.0	6.03	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Sep-22	<20.0	5.64	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
14-Sep-22	<20.0	7.02	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
15-Sep-22	<20.0	6.15	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
21-Sep-22	<20.0	6.48	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
22-Sep-22	<20.0	5.28	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
29-Sep-22	<20.0	4.71	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
30-Sep-22	<20.0	5.56	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:167
Area: Hingula

Project	Balram OCP							
Monitoring Station	Near Natedi Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Oct-22	<20.0	6.02	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
04-Oct-22	<20.0	7.03	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
10-Oct-22	<20.0	6.46	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
11-Oct-22	<20.0	5.21	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
21-Oct-22	<20.0	3.49	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Oct-22	<20.0	6.73	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
28-Oct-22	<20.0	4.99	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Oct-22	<20.0	7.22	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:168
Area: Hingula

Project	Balram OCP							
Monitoring Station	Near Natedi Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
03-Nov-2022	<20.0	5.32	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
04-Nov-2022	<20.0	4.60	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
09-Nov-2022	<20.0	5.63	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
10-Nov-2022	<20.0	5.47	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
18-Nov-2022	<20.0	5.89	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
19-Nov-2022	<20.0	4.68	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
25-Nov-2022	<20.0	5.32	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
26-Nov-2022	<20.0	7.05	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180 (hour)	1.0(24 hours)	6.0(Annual)	20 (Annual)	04(1 hours)	01 (annual)	05(annual)

Table:169
Area: Hingula

Project	Balram OCP							
Monitoring Station	Near Natedi Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
01-Dec-2022	<20.0	5.06	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
02-Dec-2022	<20.0	5.64	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Dec-2022	<20.0	5.32	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
09-Dec-2022	<20.0	5.84	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
15-Dec-2022	<20.0	5.64	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Dec-2022	<20.0	7.25	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
22-Dec-2022	<20.0	6.39	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
23-Dec-2022	<20.0	5.55	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Dec-2022	<20.0	6.59	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
30-Dec-2022	<20.0	3.52	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24 hours)	180 (hour)	1.0 (24 hours)	6.0 (Annual)	20 (Annual)	04 (1 hours)	01 (annual)	05 (annual)

Table:170
Area: Hingula

Project	Balram OCP							
Monitoring Station	Near Natedi Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
04-Jan-2023	<20.0	5.21	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
05-Jan-2023	<20.0	5.64	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Jan-2023	<20.0	4.67	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
12-Jan-2023	<20.0	7.24	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
19-Jan-2023	<20.0	7.38	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
20-Jan-2023	<20.0	5.67	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	4.09	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
25-Jan-2023	<20.0	5.33	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Jan-2023	<20.0	6.04	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
30-Jan-2023	<20.0	5.62	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24hours)	180 (hour)	1.0 (24hours)	6.0 (Annual)	20 (Annual)	04 (1hours)	01 (annual)	05 (annual)

Table:171
Area: Hingula

Project	Balram OCP							
Monitoring Station	Near Natedi Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
03-Feb-2023	<20.0	5.45	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
04-Feb-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
08-Feb-2023	<20.0	4.62	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
09-Feb-2023	<20.0	3.89	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
14-Feb-2023	<20.0	5.62	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
15-Feb-2023	<20.0	7.51	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
20-Feb-2023	<20.0	5.52	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
21-Feb-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
27-Feb-2023	<20.0	4.38	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
28-Feb-2023	<20.0	5.31	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:172
Area: Hingula

Project	Balram OCP							
Monitoring Station	Near Natedi Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
03-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
04-Mar-2023	<20.0	4.88	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
09-Mar-2023	<20.0	6.82	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
10-Mar-2023	<20.0	5.45	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
14-Mar-2023	<20.0	5.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
15-Mar-2023	<20.0	6.26	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
20-Mar-2023	<20.0	6.21	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
21-Mar-2023	<20.0	5.48	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Mar-2023	<20.0	3.65	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
30-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180 (hour)	1.0(24 hours)	6.0(Annual)	20 (Annual)	04(1 hours)	01 (annual)	05(annual)

Table:173
Area: Hingula

Project	Balram OCP				
Monitoring Station	Natada Village				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
06-May-2022	<20.0	5.46	<0.1	<1.0	<1.0
07-May-2022	<20.0	6.15	<0.1	<1.0	<1.0
13-May-2022	<20.0	6.18	<0.1	<1.0	<1.0
14-May-2022	<20.0	4.89	<0.1	<1.0	<1.0
20-May-2022	<20.0	6.15	<0.1	<1.0	<1.0
21-May-2022	<20.0	6.02	<0.1	<1.0	<1.0
27-May-2022	<20.0	7.15	<0.1	<1.0	<1.0
28-May-2022	<20.0	5.39	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:174
Area: Hingula

Project	Balram OCP				
Monitoring Station	Natada Village				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
03-Jun-2022	<20.0	5.45	<0.1	<1.0	<1.0
04-Jun-2022	<20.0	6.32	<0.1	<1.0	<1.0
10-Jun-2022	<20.0	5.54	<0.1	<1.0	<1.0
11-Jun-2022	<20.0	5.68	<0.1	<1.0	<1.0
17-Jun-2022	<20.0	5.47	<0.1	<1.0	<1.0
18-Jun-2022	<20.0	5.68	<0.1	<1.0	<1.0
24-Jun-2022	<20.0	6.31	<0.1	<1.0	<1.0
25-Jun-2022	<20.0	5.67	<0.1	<1.0	<1.0
30-Jun-2022	<20.0	5.24	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:175
Area: Hingula

Project	Monitoring Station	Date of sampling	O ₃ (µg/m ³)	Ammonia (µg/m ³)	CO (mg/m ³)	Pb (µg/m ³)	As (ng/m ³)	Ni (ng/m ³)
Balram	Ntada Village	7-Jul-22	4.28	<20.0	0.43	<0.1	<1.0	<1.0
Balram	Ntada Village	8-Jul-22	5.61	<20.0	0.52	<0.1	<1.0	<1.0
Balram	Ntada Village	13-Jul-22	6.37	<20.0	0.46	<0.1	<1.0	<1.0
Balram	Ntada Village	14-Jul-22	6.39	<20.0	0.29	<0.1	<1.0	<1.0
Balram	Natada Village	21-Jul-22	7.56	<20.0	0.47	<0.1	<1.0	<1.0
Balram	Natada Village	22-Jul-22	7.52	<20.0	0.64	<0.1	<1.0	<1.0
Balram	Natada Village	27-Jul-22	7.68	<20.0	0.64	<0.1	<1.0	<1.0
Balram	Natada Village	28-Jul-22	6.39	<20.0	0.62	<0.1	<1.0	<1.0
Standard			180(hour)	400(24hours)	2.0(8Hours)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:176
Area: Hingula

Project	Balram OCP				
Monitoring Station	Natada Village				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
04-Aug-2022	<20.0	6.15	<0.1	<1.0	<1.0
05-Aug-2022	<20.0	6.12	<0.1	<1.0	<1.0
11-Aug-2022	<20.0	6.10	<0.1	<1.0	<1.0
12-Aug-2022	<20.0	5.36	<0.1	<1.0	<1.0
18-Aug-2022	<20.0	3.91	<0.1	<1.0	<1.0
19-Aug-2022	<20.0	6.12	<0.1	<1.0	<1.0
25-Aug-2022	<20.0	5.76	<0.1	<1.0	<1.0
26-Aug-2022	<20.0	5.41	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:177
Area: Hingula

Project	Balram OCP							
Monitoring Station	Natada Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
07-Sep-2022	<20.0	5.85	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
08-Sep-2022	<20.0	5.72	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
14-Sep-2022	<20.0	6.43	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
15-Sep-2022	<20.0	6.35	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
21-Sep-2022	<20.0	4.91	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
22-Sep-2022	<20.0	5.27	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Sep-2022	<20.0	5.26	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
30-Sep-2022	<20.0	4.58	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:178
Area: Hingula

Project	Balram OCP							
Monitoring Station	Natada Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
03-Oct-2022	<20.0	6.34	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
04-Oct-2022	<20.0	6.41	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
10-Oct-2022	<20.0	5.23	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Oct-2022	<20.0	5.78	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
21-Oct-2022	<20.0	6.05	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Oct-2022	<20.0	7.56	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Oct-2022	<20.0	5.06	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Oct-2022	<20.0	4.94	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:179
Area: Hingula

Project	Balram OCP							
Monitoring Station	Natada Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
03-Nov-2022	<20.0	5.36	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
04-Nov-2022	<20.0	4.56	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
09-Nov-2022	<20.0	6.32	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
10-Nov-2022	<20.0	4.58	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
18-Nov-2022	<20.0	7.21	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
19-Nov-2022	<20.0	3.89	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
25-Nov-2022	<20.0	6.32	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
26-Nov-2022	<20.0	4.56	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

Table:180
Area: Hingula

Project	Balram OCP							
Monitoring Station	Natada Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
01-Dec-2022	<20.0	6.32	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
02-Dec-2022	<20.0	4.88	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Dec-2022	<20.0	3.47	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
09-Dec-2022	<20.0	5.96	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
15-Dec-2022	<20.0	7.82	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
16-Dec-2022	<20.0	4.22	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
22-Dec-2022	<20.0	6.2	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Dec-2022	<20.0	5.8	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Dec-2022	<20.0	6.4	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
30-Dec-2022	<20.0	3.8	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24 hours)	180 (hour)	1.0 (24 hours)	6.0 (Annual)	20(Annual)	04 (1 hours)	01 (annual)	05 (annual)

Table:181
Area: Hingula

Project	Balram OCP							
Monitoring Station	Natada Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
04-Jan-2023	<20.0	5.45	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
05-Jan-2023	<20.0	4.20	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
11-Jan-2023	<20.0	7.25	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
12-Jan-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	7.25	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
25-Jan-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
30-Jan-2023	<20.0	4.38	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
31-Jan-2023	<20.0	6.99	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24 hours)	180 (hour)	1.0 (24 hours)	6.0 (Annual)	20 (Annual)	04 (1 hour)	01 (annual)	05 (annual)

Table:182
Area: Hingula

Project	Balram OCP							
Monitoring Station	Natada Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
03-Feb-2023	<20.0	4.56	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
04-Feb-2023	<20.0	5.62	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Feb-2023	<20.0	4.68	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
09-Feb-2023	<20.0	7.25	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
14-Feb-2023	<20.0	5.36	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
15-Feb-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Feb-2023	<20.0	7.54	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
21-Feb-2023	<20.0	5.98	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
27-Feb-2023	<20.0	7.21	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Feb-2023	<20.0	5.64	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hou r)	1.0(2 4hou rs)	6.0(Ann ual)	20(Ann ual)	04(1 hou rs)	01(annual)	05(annual)

Table:183
Area: Hingula

Project	Balram OCP							
Monitoring Station	Natada Village							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Mar-2023	<20.0	6.23	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
04-Mar-2023	<20.0	5.91	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
09-Mar-2023	<20.0	5.29	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
10-Mar-2023	<20.0	5.36	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
14-Mar-2023	<20.0	5.33	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
15-Mar-2023	<20.0	5.73	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Mar-2023	<20.0	4.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
21-Mar-2023	<20.0	6.26	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
24-Mar-2023	<20.0	7.15	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
25-Mar-2023	<20.0	6.23	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Mar-2023	<20.0	5.36	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
30-Mar-2023	<20.0	5.28	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:184
Area: Hingula

Project	Balram OCP				
Monitoring Station	North West of the Mine, Solada Village (Reported Only)				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)
07-Apr-2022	<20.0	5.76	<0.1	<1.0	<1.0
08-Apr-2022	<20.0	5.86	<0.1	<1.0	<1.0
13-Apr-2022	<20.0	5.15	<0.1	<1.0	<1.0
14-Apr-2022	<20.0	4.90	<0.1	<1.0	<1.0
22-Apr-2022	<20.0	5.81	<0.1	<1.0	<1.0
23-Apr-2022	<20.0	6.81	<0.1	<1.0	<1.0
28-Apr-2022	<20.0	6.02	<0.1	<1.0	<1.0
29-Apr-2022	<20.0	5.83	<0.1	<1.0	<1.0

Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:185
Area: Hingula

Project	Balram OCP				
Monitoring Station	North West of the Mine, Solada Village (Reported Only)				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
06-May-2022	<20.0	6.15	<0.1	<1.0	<1.0
07-May-2022	<20.0	5.45	<0.1	<1.0	<1.0
12-May-2022	<20.0	5.55	<0.1	<1.0	<1.0
13-May-2022	<20.0	5.61	<0.1	<1.0	<1.0
20-May-2022	<20.0	5.63	<0.1	<1.0	<1.0
21-May-2022	<20.0	6.24	<0.1	<1.0	<1.0
26-May-2022	<20.0	5.43	<0.1	<1.0	<1.0
27-May-2022	<20.0	5.62	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

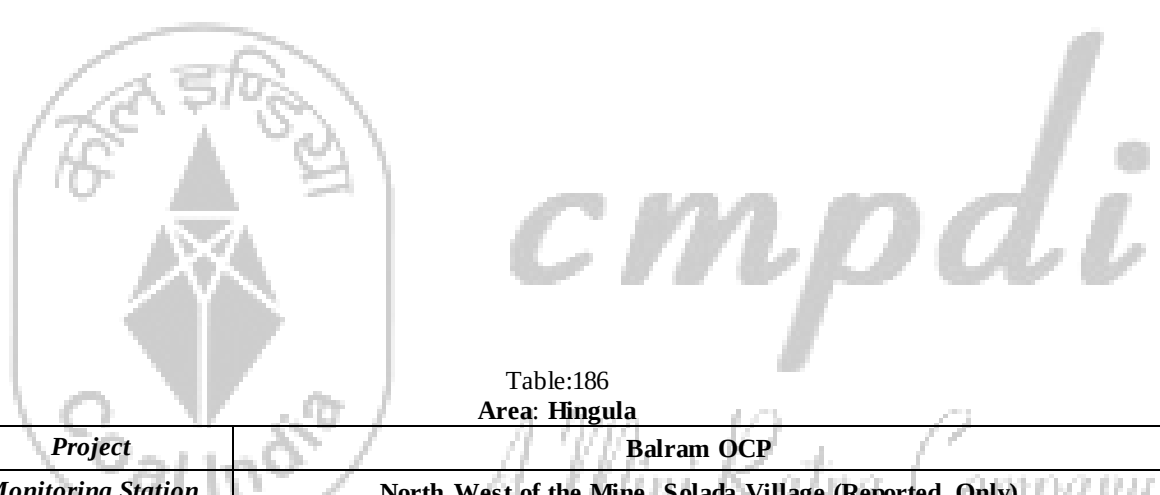


Table:186
Area: Hingula

Project	Balram OCP				
Monitoring Station	North West of the Mine, Solada Village (Reported Only)				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
02-Jun-2022	<20.0	5.45	<0.1	<1.0	<1.0
03-Jun-2022	<20.0	4.56	<0.1	<1.0	<1.0
10-Jun-2022	<20.0	5.55	<0.1	<1.0	<1.0
11-Jun-2022	<20.0	4.56	<0.1	<1.0	<1.0
16-Jun-2022	<20.0	5.32	<0.1	<1.0	<1.0
17-Jun-2022	<20.0	5.78	<0.1	<1.0	<1.0
24-Jun-2022	<20.0	6.34	<0.1	<1.0	<1.0
25-Jun-2022	<20.0	5.61	<0.1	<1.0	<1.0
30-Jun-2022	<20.0	5.15	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:187
Area: Hingula

Reported Only								
Project	Monitoring Station	Date of sampling	O ₃ (µg/m ³)	Ammonia (µg/m ³)	CO (mg/m ³)	Pb (µg/m ³)	As (ng/m ³)	Ni (ng/m ³)

Balram	North East of the Mine, Solada Village	1-Jul-22	5.60	<20.0	0.57	<0.1	<1.0	<1.0
Balram	North East of the Mine, Solada Village	7-Jul-22	5.98	<20.0	0.73	<0.1	<1.0	<1.0
Balram	North East of the Mine, Solada Village	8-Jul-22	7.70	<20.0	0.54	<0.1	<1.0	<1.0
Balram	North East of the Mine, Solada Village	13-Jul-22	6.38	<20.0	0.52	<0.1	<1.0	<1.0
Balram	North East of the Mine, Solada Village	14-Jul-22	6.94	<20.0	0.83	<0.1	<1.0	<1.0
Balram	North East of the Mine, Solada Village	21-Jul-22	5.31	<20.0	0.13	<0.1	<1.0	<1.0
Balram	North East of the Mine, Solada Village	22-Jul-22	5.63	<20.0	0.25	<0.1	<1.0	<1.0
Balram	North East of the Mine, Solada Village	27-Jul-22	5.89	<20.0	0.34	<0.1	<1.0	<1.0
Balram	North East of the Mine, Solada Village	28-Jul-22	5.45	<20.0	0.22	<0.1	<1.0	<1.0
Standard			180 (hour)	400(24h ours)	2.0 (8Hours)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:188
Area: Hingula

Project	Balram OCP				
Monitoring Station	North West of the Mine, Solada Village (Reported Only)				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
04-Aug-2022	<20.0	6.73	<0.1	<1.0	<1.0
05-Aug-2022	<20.0	5.42	<0.1	<1.0	<1.0
11-Aug-2022	<20.0	6.15	<0.1	<1.0	<1.0
12-Aug-2022	<20.0	5.82	<0.1	<1.0	<1.0
18-Aug-2022	<20.0	5.76	<0.1	<1.0	<1.0
19-Aug-2022	<20.0	6.01	<0.1	<1.0	<1.0
25-Aug-2022	<20.0	3.98	<0.1	<1.0	<1.0
26-Aug-2022	<20.0	4.12	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:189
Area: Hingula

Project	Hingula OCP							
Monitoring Station	North West of the Mine, Solada Village (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
05-Sep-2022	<20.0	6.73	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
06-Sep-2022	<20.0	5.42	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
12-Sep-2022	<20.0	6.15	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
13-Sep-2022	<20.0	5.82	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
19-Sep-2022	<20.0	5.76	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Sep-2022	<20.0	6.01	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)

26-Sep-2022	<20.0	3.98	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
27-Sep-2022	<20.0	4.12	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:190
Area: Hingula

Project	Balram OCP							
Monitoring Station	North West of the Mine, Solada Village (Reported Only)							
Date of sampling	Ammonia (NH ₃) (µg/m ³)	Ozone (O ₃) (µg/m ³)	Lead (Pb) (µg/m ³)	Arsenic (As) (ng/m ³)	Nickel (Ni) (ng/m ³)	CO (mg/m ³)	Benzo (α) Pyrene (ng/m ³)	Benzene (µg/m ³)
03-Oct-2022	<20.0	6.01	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
04-Oct-2022	<20.0	5.80	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
10-Oct-2022	<20.0	6.71	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
11-Oct-2022	<20.0	5.48	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
21-Oct-2022	<20.0	6.08	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
22-Oct-2022	<20.0	7.88	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
28-Oct-2022	<20.0	4.1	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Oct-2022	<20.0	6.75	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:191
Area: Hingula

Project	Balram OCP							
Monitoring Station	North West of the Mine, Solada Village (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Nov-2022	<20.0	6.31	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
04-Nov-2022	<20.0	5.45	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
09-Nov-2022	<20.0	6.31	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
10-Nov-2022	<20.0	4.56	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
18-Nov-2022	<20.0	5.63	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
19-Nov-2022	<20.0	5.32	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
25-Nov-2022	<20.0	4.56	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
26-Nov-2022	<20.0	7.21	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24h hours)	180(ho ur)	1.0(24h ours)	6.0(Ann ual)	20(Ann ual)	04(1ho urs)	01(annual)	05(annual)

Table:192
Area: Hingula

Project	Hingula OCP							
Monitoring Station	North West of the Mine, Solada Village (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Dec-2022	<20.0	7.46	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
02-Dec-2022	<20.0	6.25	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
08-Dec-2022	<20.0	4.56	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
09-Dec-2022	<20.0	8.56	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
15-Dec-2022	<20.0	3.42	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
16-Dec-2022	<20.0	6.47	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
22-Dec-2022	<20.0	5.82	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
23-Dec-2022	<20.0	4.56	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Dec-2022	<20.0	6.2	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
30-Dec-2022	<20.0	7.8	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24hours)	180 (hour)	1.0 (24hours)	6.0 (Annual)	20 (Annual)	04 (1hours)	01 (annual)	05 (annual)

Table:193
Area: Hingula

Project	Balram OCP							
Monitoring Station	North West of the Mine, Solada Village (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
04-Jan-2023	<20.0	5.45	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
05-Jan-2023	<20.0	7.02	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
11-Jan-2023	<20.0	6.35	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
12-Jan-2023	<20.0	4.68	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
19-Jan-2023	<20.0	6.32	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Jan-2023	<20.0	5.98	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	5.24	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
25-Jan-2023	<20.0	6.03	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
30-Jan-2023	<20.0	6.33	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
31-Jan-2023	<20.0	5.55	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24 hours)	180 (hour)	1.0 (24hours)	6.0 (Annual)	20 (Annual)	04 (1 hours)	01 (annual)	05 (annual)

Table:194
Area: Hingula

Project	Balram OCP
Monitoring Station	North West of the Mine, Solada Village (Reported Only)

Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Feb-2023	<20.0	4.21	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
02-Feb-2023	<20.0	4.62	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
06-Feb-2023	<20.0	5.25	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
07-Feb-2023	<20.0	4.63	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
10-Feb-2023	<20.0	4.32	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
11-Feb-2023	<20.0	5.60	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
16-Feb-2023	<20.0	7.56	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
17-Feb-2023	<20.0	4.65	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Feb-2023	<20.0	5.84	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
24-Feb-2023	<20.0	5.98	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:195
Area: Hingula

Project	Balram OCP							
Monitoring Station	North West of the Mine, Solada Village (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Mar-2023	<20.0	5.85	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
02-Mar-2023	<20.0	5.43	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
14-Mar-2023	<20.0	6.23	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
15-Mar-2023	<20.0	5.88	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
16-Mar-2023	<20.0	6.22	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
17-Mar-2023	<20.0	5.81	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
22-Mar-2023	<20.0	4.08	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
23-Mar-2023	<20.0	5.36	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)

27-Mar-2023	<20.0	4.26	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Mar-2023	<20.0	7.29	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:196
Area: Talcher

3.Project	Nandira				
Monitoring Station	Nandira Colony				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
08-Apr-2022	<20.0	5.12	<0.1	<1.0	<1.0
09-Apr-2022	<20.0	6.15	<0.1	<1.0	<1.0
11-Apr-2022	<20.0	5.87	<0.1	<1.0	<1.0
12-Apr-2022	<20.0	6.12	<0.1	<1.0	<1.0
18-Apr-2022	<20.0	7.21	<0.1	<1.0	<1.0
19-Apr-2022	<20.0	4.71	<0.1	<1.0	<1.0
25-Apr-2022	<20.0	3.98	<0.1	<1.0	<1.0
26-Apr-2022	<20.0	3.92	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:197
Area: Talcher

3.Project	Nandira				
Monitoring Station	Nandira Colony				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
02-May-2022	<20.0	5.46	<0.1	<1.0	<1.0
09-May-2022	<20.0	5.57	<0.1	<1.0	<1.0
10-May-2022	<20.0	5.88	<0.1	<1.0	<1.0
16-May-2022	<20.0	5.61	<0.1	<1.0	<1.0
17-May-2022	<20.0	5.81	<0.1	<1.0	<1.0
23-May-2022	<20.0	5.55	<0.1	<1.0	<1.0
24-May-2022	<20.0	5.73	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:198
Area: Talcher

3.Project	Nandira				
Monitoring Station	Nandira Colony				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)
06-Jun-2022	<20.0	5.45	<0.1	<1.0	<1.0
07-Jun-2022	<20.0	5.64	<0.1	<1.0	<1.0
13-Jun-2022	<20.0	4.65	<0.1	<1.0	<1.0

14-Jun-2022	<20.0	5.34	<0.1	<1.0	<1.0
20-Jun-2022	<20.0	6.31	<0.1	<1.0	<1.0
21-Jun-2022	<20.0	5.45	<0.1	<1.0	<1.0
27-Jun-2022	<20.0	6.31	<0.1	<1.0	<1.0
28-Jun-2022	<20.0	5.45	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:199
Area: Talcher

Project	Monitoring Station	Date of sampling	O ₃ (µg/m ³)	Ammonia (µg/m ³)	CO (mg/m ³)	Pb (µg/m ³)	As (ng/m ³)	Ni (ng/m ³)
Nandira	Nandira Colony	4-Jul-22	5.45	<20.0	0.15	<0.1	<1.0	<1.0
Nandira	Nandira Colony	5-Jul-22	6.34	<20.0	0.09	<0.1	<1.0	<1.0
Nandira	Nandira Colony	11-Jul-22	5.38	<20.0	0.19	<0.1	<1.0	<1.0
Nandira	Nandira Colony	12-Jul-22	4.38	<20.0	0.34	<0.1	<1.0	<1.0
Nandira	Nandira Colony	18-Jul-22	6.31	<20.0	0.32	<0.1	<1.0	<1.0
Nandira	Nandira Colony	19-Jul-22	6.25	<20.0	0.82	<0.1	<1.0	<1.0
Nandira	Nandira Colony	25-Jul-22	6.38	<20.0	0.97	<0.1	<1.0	<1.0
Nandira	Nandira Colony	26-Jul-22	6.49	<20.0	0.89	<0.1	<1.0	<1.0
Standard			180(hour)	400(24hours)	2.0(8Hours)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:200
Area: Talcher

3.Project	Nandira				
Monitoring Station	Nandira Colony				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(µg/m3)	(µg/m3)	(µg/m3)	(ng/m3)	(ng/m3)
02-Aug-2022	<20.0	6.42	<0.1	<1.0	<1.0
03-Aug-2022	<20.0	6.52	<0.1	<1.0	<1.0
09-Aug-2022	<20.0	6.88	<0.1	<1.0	<1.0
10-Aug-2022	<20.0	5.38	<0.1	<1.0	<1.0
16-Aug-2022	<20.0	5.35	<0.1	<1.0	<1.0
17-Aug-2022	<20.0	5.31	<0.1	<1.0	<1.0
23-Aug-2022	<20.0	5.29	<0.1	<1.0	<1.0
24-Aug-2022	<20.0	5.15	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:201
Area: Talcher

Project	Nandira							
Monitoring Station	Nandira Colony							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
07-Sep-2022	<20.0	7.01	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Sep-2022	<20.0	6.55	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
14-Sep-2022	<20.0	5.88	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
15-Sep-2022	<20.0	5.78	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
21-Sep-2022	<20.0	4.75	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
22-Sep-2022	<20.0	6.31	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Sep-2022	<20.0	4.92	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
30-Sep-2022	<20.0	5.57	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)

Table:202
Area: Talcher

Project	Nandira							
Monitoring Station	Nandira Colony							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Oct-2022	<20.0	6.32	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
04-Oct-2022	<20.0	5.89	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
10-Oct-2022	<20.0	7.04	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
11-Oct-2022	<20.0	4.98	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
19-Oct-2022	<20.0	3.96	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Oct-2022	<20.0	4.68	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
26-Oct-2022	<20.0	7.08	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
27-Oct-2022	<20.0	5.75	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:203
Area: Talcher

3.Project	Nandira							
Monitoring Station	Nandira Colony							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Nov-2022	<20.0	5.45	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
02-Nov-2022	<20.0	6.32	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
07-Nov-2022	<20.0	4.25	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
08-Nov-2022	<20.0	4.68	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Nov-2022	<20.0	6.32	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
17-Nov-2022	<20.0	4.56	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
23-Nov-2022	<20.0	3.99	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
24-Nov-2022	<20.0	4.56	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:204
Area: Talcher

3.Project	Nandira							
Monitoring Station	Nandira Colony							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
01-Dec-2022	<20.0	3.46	<0.1	<1.0	<1.0	0.4	BQL(Q L=0.5)	BQL(QL =2.5)
02-Dec-2022	<20.0	4.62	<0.1	<1.0	<1.0	0.2	BQL(Q L=0.5)	BQL(QL =2.5)
08-Dec-2022	<20.0	6.87	<0.1	<1.0	<1.0	0.3	BQL(Q L=0.5)	BQL(QL =2.5)
09-Dec-2022	<20.0	4.56	<0.1	<1.0	<1.0	0.1	BQL(Q L=0.5)	BQL(QL =2.5)
15-Dec-2022	<20.0	8.23	<0.1	<1.0	<1.0	0.2	BQL(Q L=0.5)	BQL(QL =2.5)
16-Dec-2022	<20.0	6.44	<0.1	<1.0	<1.0	0.1	BQL(Q L=0.5)	BQL(QL =2.5)
22-Dec-2022	<20.0	3.48	<0.1	<1.0	<1.0	0.4	BQL(Q L=0.5)	BQL(QL =2.5)
23-Dec-2022	<20.0	6.55	<0.1	<1.0	<1.0	0.2	BQL(Q L=0.5)	BQL(QL =2.5)
29-Dec-2022	<20.0	4.66	<0.1	<1.0	<1.0	0.1	BQL(Q L=0.5)	BQL(QL =2.5)
30-Dec-2022	<20.0	7.24	<0.1	<1.0	<1.0	0.1	BQL(Q L=0.5)	BQL(QL =2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:205
Area: Talcher

3.Project	Nandira

Monitoring Station	Nandira Colony							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
02-Jan-2023	<20.0	6.32	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
03-Jan-2023	<20.0	4.21	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
09-Jan-2023	<20.0	7.24	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
10-Jan-2023	<20.0	5.68	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
17-Jan-2023	<20.0	6.01	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
18-Jan-2023	<20.0	5.34	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	5.32	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
25-Jan-2023	<20.0	4.88	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
30-Jan-2023	<20.0	6.37	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
31-Jan-2023	<20.0	7.07	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24hours)	180 (hour)	1.0 (24hours)	6.0 (Annual)	20 (Annual)	04 (1hours)	01 (annual)	05 (annual)

Table:206
Area: Talcher

3.Project	Nandira							
Monitoring Station	Nandira Colony							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Feb-2023	<20.0	5.31	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
04-Feb-2023	<20.0	4.54	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
08-Feb-2023	<20.0	6.34	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
09-Feb-2023	<20.0	7.01	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
14-Feb-2023	<20.0	4.62	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
15-Feb-2023	<20.0	5.31	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
20-Feb-2023	<20.0	4.58	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
21-Feb-2023	<20.0	7.21	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
27-Feb-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)

28-Feb-2023	<20.0	6.84	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:207
Area: Talcher

3.Project	Nandira							
Monitoring Station	Nandira Colony							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Mar-2023	<20.0	5.41	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
04-Mar-2023	<20.0	6.26	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
09-Mar-2023	<20.0	5.55	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
10-Mar-2023	<20.0	4.89	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
14-Mar-2023	<20.0	3.93	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
15-Mar-2023	<20.0	5.15	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Mar-2023	<20.0	4.81	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
21-Mar-2023	<20.0	3.92	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
30-Mar-2023	<20.0	5.26	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Table:208

Project	Nandira				
Monitoring Station	Natedi Village (Reported Only)				
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)
08-Apr-2022	<20.0	5.86	<0.1	<1.0	<1.0
09-Apr-2022	<20.0	6.15	<0.1	<1.0	<1.0
13-Apr-2022	<20.0	5.77	<0.1	<1.0	<1.0
14-Apr-2022	<20.0	5.62	<0.1	<1.0	<1.0
22-Apr-2022	<20.0	6.24	<0.1	<1.0	<1.0
23-Apr-2022	<20.0	4.58	<0.1	<1.0	<1.0
28-Apr-2022	<20.0	4.81	<0.1	<1.0	<1.0

29-Apr-2022	<20.0	4.76	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Area: Talcher

Table:209

Area: Talcher

<i>Project</i>	Nandira				
<i>Monitoring Station</i>	Natedi Village (Reported Only)				
<i>Date of sampling</i>	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
06-May-2022	<20.0	5.49	<0.1	<1.0	<1.0
07-May-2022	<20.0	6.56	<0.1	<1.0	<1.0
12-May-2022	<20.0	6.15	<0.1	<1.0	<1.0
13-May-2022	<20.0	7.12	<0.1	<1.0	<1.0
20-May-2022	<20.0	5.73	<0.1	<1.0	<1.0
21-May-2022	<20.0	4.83	<0.1	<1.0	<1.0
26-May-2022	<20.0	4.92	<0.1	<1.0	<1.0
27-May-2022	<20.0	5.15	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:210

Area: Talcher

<i>Project</i>	Nandira				
<i>Monitoring Station</i>	Natedi Village (Reported Only)				
<i>Date of sampling</i>	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)
	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)
03-Jun-2022	<20.0	5.54	<0.1	<1.0	<1.0
04-Jun-2022	<20.0	5.64	<0.1	<1.0	<1.0
10-Jun-2022	<20.0	4.68	<0.1	<1.0	<1.0
11-Jun-2022	<20.0	6.32	<0.1	<1.0	<1.0
17-Jun-2022	<20.0	5.54	<0.1	<1.0	<1.0
18-Jun-2022	<20.0	5.84	<0.1	<1.0	<1.0
24-Jun-2022	<20.0	5.62	<0.1	<1.0	<1.0
25-Jun-2022	<20.0	5.65	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:211

Area: Talcher

Reported Only								
Project	Monitoring Station	Date of sampling	O₃ ($\mu\text{g}/\text{m}^3$)	Ammonia ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	Pb ($\mu\text{g}/\text{m}^3$)	As (ng/m^3)	Ni (ng/m^3)
Nandira	Natedi Village	1-Jul-22	6.54	<20.0	0.21	<0.1	<1.0	<1.0
	Natedi Village	8-Jul-22	6.32	<20.0	0.45	<0.1	<1.0	<1.0

Natedi Village	9-Jul-22	5.31	<20.0	1.02	<0.1	<1.0	<1.0
Natedi Village	13-Jul-22	6.38	<20.0	0.97	<0.1	<1.0	<1.0
Natedi Village	14-Jul-22	6.31	<20.0	0.53	<0.1	<1.0	<1.0
Natedi Village	22-Jul-22	5.32	<20.0	0.19	<0.1	<1.0	<1.0
Natedi Village	23-Jul-22	6.31	<20.0	0.45	<0.1	<1.0	<1.0
Natedi Village	27-Jul-22	5.00	<20.0	0.46	<0.1	<1.0	<1.0
Natedi Village	28-Jul-22	6.01	<20.0	0.14	<0.1	<1.0	<1.0
Standard		180(hour)	400(24hours)	2.0(8Hours)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:212
Area: Talcher

Project	Nandira				
Monitoring Station	Natedi Village (Reported Only)				
Date of sampling	Ammonia (NH ₃) (µg/m ³)	Ozone (O ₃) (µg/m ³)	Lead (Pb) (µg/m ³)	Arsenic (As) (ng/m ³)	Nickel (Ni) (ng/m ³)
05-Aug-2022	<20.0	7.03	<0.1	<1.0	<1.0
06-Aug-2022	<20.0	5.76	<0.1	<1.0	<1.0
11-Aug-2022	<20.0	5.82	<0.1	<1.0	<1.0
12-Aug-2022	<20.0	6.15	<0.1	<1.0	<1.0
19-Aug-2022	<20.0	5.18	<0.1	<1.0	<1.0
20-Aug-2022	<20.0	6.28	<0.1	<1.0	<1.0
25-Aug-2022	<20.0	5.71	<0.1	<1.0	<1.0
26-Aug-2022	<20.0	4.56	<0.1	<1.0	<1.0
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)

Table:213
Area: Talcher

Project	Bharatpur OCP							
Monitoring Station	Near Natedi Village (Reported Only)							
Date of sampling	Ammonia (NH ₃) (µg/m ³)	Ozone (O ₃) (µg/m ³)	Lead (Pb) (µg/m ³)	Arsenic (As) (ng/m ³)	Nickel (Ni) (ng/m ³)	CO (mg/m ³)	Benzo (α) Pyrene (ng/m ³)	Benzene (µg/m ³)
07-Sep-2022	<20.0	6.03	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Sep-2022	<20.0	5.64	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
14-Sep-2022	<20.0	7.02	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
15-Sep-2022	<20.0	6.15	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)

21-Sep-2022	<20.0	6.48	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
22-Sep-2022	<20.0	5.28	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
29-Sep-2022	<20.0	4.71	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
30-Sep-2022	<20.0	5.56	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24 hours)	180(hour)	1.0(24 hours)	6.0(Annual)	20(Annual)	04(1 hours)	01(annual)	05(annual)



cmpdi

Table:214

A Mini Ratna Company

Project	Nandira							
Monitoring Station	Near Natedi Village (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Oct-2022	<20.0	6.02	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
04-Oct-2022	<20.0	7.03	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
10-Oct-2022	<20.0	6.46	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
11-Oct-2022	<20.0	5.21	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
21-Oct-2022	<20.0	3.49	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
22-Oct-2022	<20.0	6.73	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
28-Oct-2022	<20.0	4.99	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)

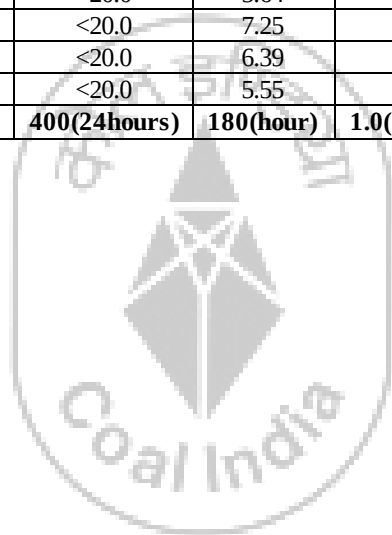
29-Oct-2022	<20.0	7.22	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

Area: Talcher

Table:215

Area: Talcher

Project	Nandira							
Monitoring Station	Near Natedi Village (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
03-Nov-2022	<20.0	5.06	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
04-Nov-2022	<20.0	5.64	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
09-Nov-2022	<20.0	5.32	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
10-Nov-2022	<20.0	5.84	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
18-Nov-2022	<20.0	5.64	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
19-Nov-2022	<20.0	7.25	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
25-Nov-2022	<20.0	6.39	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
26-Nov-2022	<20.0	5.55	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)



cmpdi

Table:216
Area: Talcher

A Mini Ratna Company

Project	Nandira							
Monitoring Station	Near Natedi Village (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
01-Dec-2022	<20.0	5.06	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
02-Dec-2022	<20.0	5.64	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Dec-2022	<20.0	5.32	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
09-Dec-2022	<20.0	5.84	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
15-Dec-2022	<20.0	5.64	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
16-Dec-2022	<20.0	7.25	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
22-Dec-2022	<20.0	6.39	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
23-Dec-2022	<20.0	5.55	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
29-Dec-2022	<20.0	6.59	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
30-Dec-2022	<20.0	3.52	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24hours)	180 (hour)	1.0 (24hours)	6.0 (Annual)	20 (Annual)	04 (1 hours)	01 (annual)	05 (annual)

Table:217
Area: Talcher

Project	Nandira							
Monitoring Station	Near Natedi Village (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(μg/m ³)	(μg/m ³)	(μg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(μg/m ³)
04-Jan-2023	<20.0	5.21	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
05-Jan-2023	<20.0	5.64	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
11-Jan-2023	<20.0	4.67	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
12-Jan-2023	<20.0	7.24	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
19-Jan-2023	<20.0	7.38	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
20-Jan-2023	<20.0	5.67	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
24-Jan-2023	<20.0	4.09	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
25-Jan-2023	<20.0	5.33	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
29-Jan-2023	<20.0	6.04	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
30-Jan-2023	<20.0	5.62	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24hours)	180 (hour)	1.0 (24hours)	6.0 (Annual)	20 (Annual)	04 (1 hours)	01 (annual)	05 (annual)

Table:218
Area: Talcher

Project	Nandira							
Monitoring Station	Near Natedi Village(Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
03-Feb-2023	<20.0	5.45	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
04-Feb-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
08-Feb-2023	<20.0	4.62	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
09-Feb-2023	<20.0	3.89	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
14-Feb-2023	<20.0	5.62	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
15-Feb-2023	<20.0	7.51	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
20-Feb-2023	<20.0	5.52	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
21-Feb-2023	<20.0	6.31	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
27-Feb-2023	<20.0	4.38	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
28-Feb-2023	<20.0	5.31	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400 (24hours)	180 (hour)	1.0 (24hours)	6.0 (Annual)	20 (Annual)	04 (1 hours)	01 (annual)	05 (annual)

Table:219
Area: Talcher

Project	Nandira							
Monitoring Station	Near Natedi Village (Reported Only)							
Date of sampling	Ammonia (NH ₃)	Ozone (O ₃)	Lead (Pb)	Arsenic (As)	Nickel (Ni)	CO	Benzo (α) Pyrene	Benzene
	(µg/m ³)	(µg/m ³)	(µg/m ³)	(ng/m ³)	(ng/m ³)	(mg/m ³)	(ng/m ³)	(µg/m ³)
03-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
04-Mar-2023	<20.0	4.88	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
09-Mar-2023	<20.0	6.82	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
10-Mar-2023	<20.0	5.45	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
14-Mar-2023	<20.0	5.15	<0.1	<1.0	<1.0	0.1	BQL(QL=0.5)	BQL(QL=2.5)
15-Mar-2023	<20.0	6.26	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
20-Mar-2023	<20.0	6.21	<0.1	<1.0	<1.0	0.4	BQL(QL=0.5)	BQL(QL=2.5)
21-Mar-2023	<20.0	5.48	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
29-Mar-2023	<20.0	3.65	<0.1	<1.0	<1.0	0.2	BQL(QL=0.5)	BQL(QL=2.5)
30-Mar-2023	<20.0	6.15	<0.1	<1.0	<1.0	0.3	BQL(QL=0.5)	BQL(QL=2.5)
Standard	400(24hours)	180(hour)	1.0(24hours)	6.0(Annual)	20(Annual)	04(1hours)	01(annual)	05(annual)

HALF YEARLY HEAVY METALS

Table:220
Area: Jagannath

Project	Jagannath OCP				
Monitoring Station	Near NBVL Station				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
06-Jun-2022	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)		-	-

Table:221
Area: Jagannath

Project	Jagannath OCP				
Monitoring Station	Near NBVL Park				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
03-Mar-2023/ 3697	<1.0	<1.0	<1.0	<0.1	<0.1
18-Mar-2023/ 3786	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)		-	-

Table:222
Area: Jagannath

Project	Jagannath OCP				
Monitoring Station	Near MDTP				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
06-Jun-2022	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	

Table:223
Area: Jagannath

Project	Jagannath OCP				
Monitoring Station	Near MDTP				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
03-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
18-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	

Table:224
Area: Jagannath

Project	Jagannath OCP				
Monitoring Station	Central Nursery (Reported Only)				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
06-Jun-2022	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	

Table:225

Area: Jagannath

Project	Jagannath OCP				
Monitoring Station	Central Nursery (Reported Only)				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m ³)	(ng/m ³)	(ng/m ³)	(μg/m ³)	(μg/m ³)
03-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
18-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	

Table:226

Area: Jagannath

Project	Ananta OCP				
Monitoring Station	North-East of Mine				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m ³)	(ng/m ³)	(ng/m ³)	(μg/m ³)	(μg/m ³)
06-Jun-2022	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:227

Area: Jagannath

Project	Ananta OCP				
Monitoring Station	North-East of Mine				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m ³)	(ng/m ³)	(ng/m ³)	(μg/m ³)	(μg/m ³)
03-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
18-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	

Table:

Area: Jagannath

Project	Ananta OCP				
Monitoring Station	Central Nursery				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m ³)	(ng/m ³)	(ng/m ³)	(μg/m ³)	(μg/m ³)
06-Jun-2022	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:228

Area: Jagannath

Project	Ananta OCP				
Monitoring Station	Central Nursery				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m ³)	(ng/m ³)	(ng/m ³)	(μg/m ³)	(μg/m ³)
03-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
18-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	

Table:229

Area: Jagannath

Project	Ananta OCP				
Monitoring Station	Near NBVL Station (Reported only)				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
06-Jun-2022	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:230

Area: Jagannath

Project	Ananta OCP				
Monitoring Station	Near NBVL Station (Reported only)				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
03-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
18-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)		-	-

Table:231

Area: Bharatpur

Project	Bharatpur OCP			
Monitoring Station	Near ETP/Workshop			
Date of sampling	Lead (Pb)	Arsenic (As)	Mercury (Hg)	Chromium (Cr)
	(µg/m3)	(ng/m3)	(ng/m3)	(µg/m3)
13-Jun-2022	<0.1	<1.0	<1.0	<0.1
Standard	1.0(24hours)	6.0(Annual)	-	-

Table:232

Area: Bharatpur

Project	Bharatpur OCP			
Monitoring Station	Near ETP/Workshop			
Date of sampling	Lead (Pb)	Arsenic (As)	Mercury (Hg)	Chromium (Cr)
	(µg/m3)	(ng/m3)	(ng/m3)	(µg/m3)
04-Mar-2023	<0.1	<1.0	<1.0	<0.1
18-Mar-2023	<0.1	<1.0	<1.0	<0.1
Standard	1.0(24hours)	6.0(Annual)	-	-

Table:233

Area: Bharatpur

Project	Bharatpur OCP			
Monitoring Station	North-West Point of the Mine			
Date of sampling	Lead (Pb)	Arsenic (As)	Mercury (Hg)	Chromium (Cr)
	(µg/m3)	(ng/m3)	(ng/m3)	(µg/m3)
13-Jun-2022	<0.1	<1.0	<1.0	<0.1
Standard	1.0(24hours)	6.0(Annual)	-	-

Table:234

Area: Bharatpur

Project	Bharatpur OCP			
Monitoring Station	North-West Point of the Mine			
Date of sampling	Lead (Pb)	Arsenic (As)	Mercury (Hg)	Chromium (Cr)

	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)
04-Mar-2023	<0.1	<1.0	<1.0	<0.1
18-Mar-2023	<0.1	<1.0	<1.0	<0.1
Standard	1.0(24hours)	6.0(Annual)	-	-

Table:235
Area: Bharatpur

Project	Bharatpur OCP			
Monitoring Station	Near MGR-RLS of Bharatpur			
Date of sampling	Lead (Pb)	Arsenic (As)	Mercury (Hg)	Chromium (Cr)
	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)
13-Jun-2022	<0.1	<1.0	<1.0	<0.1
Standard	1.0(24hours)	6.0(Annual)	-	-

Table:236
Area: Bharatpur

Project	Bharatpur OCP			
Monitoring Station	Near MGR-RLS of Bharatpur			
Date of sampling	Lead (Pb)	Arsenic (As)	Mercury (Hg)	Chromium (Cr)
	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)
04-Mar-2023	<0.1	<1.0	<1.0	<0.1
18-Mar-2023	<0.1	<1.0	<1.0	<0.1
Standard	1.0(24hours)	6.0(Annual)	-	-

Table:237
Area: Bharatpur

Project	Bharatpur OCP			
Monitoring Station	Near Regional Store			
Date of sampling	Lead (Pb)	Arsenic (As)	Mercury (Hg)	Chromium (Cr)
	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)
13-Jun-2022	<0.1	<1.0	<1.0	<0.1
Standard	1.0(24hours)	6.0(Annual)	-	-

Table:238
Area: Bharatpur

Project	Bharatpur OCP			
Monitoring Station	Near Regional Store			
Date of sampling	Lead (Pb)	Arsenic (As)	Mercury (Hg)	Chromium (Cr)
	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)
04-Mar-2023	<0.1	<1.0	<1.0	<0.1
18-Mar-2023	<0.1	<1.0	<1.0	<0.1
Standard	1.0(24hours)	6.0(Annual)	-	-

Table:239
Area: Lingaraj

Project	Lingaraj OCP				
Monitoring Station	Near OB Dump no. 5 (South Side of the Mine)				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m^3)	(ng/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
07-Jun-2022	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:240

Area: Lingaraj

Project	Lingaraj OCP				
Monitoring Station	Near OB Dump no. 5 (South Side of the Mine)				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
06-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
20-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	

Table:241

Area: Lingaraj

Project	Lingaraj OCP				
Monitoring Station	Near OB Dump no. 10 (North Side of the Mine)				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
07-Jun-2022	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:242

Area: Lingaraj

Project	Lingaraj OCP				
Monitoring Station	Near OB Dump no. 10 (North Side of the Mine)				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
09-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
20-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	

Table:243

Area: Lingaraj

Project	Lingaraj OCP				
Monitoring Station	IWSS				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
07-Jun-2022	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:244

Area: Lingaraj

Project	Lingaraj OCP				
Monitoring Station	IWSS				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
09-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
20-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	

Table:245

Area: Lingaraj

Project	Lingaraj OCP
Monitoring Station	Near Lingaraj to Dera Road

Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
07-Jun-2022	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:246
Area: Lingaraj

Project	Lingaraj OCP				
Monitoring Station	Near CT Road (Lingaraj to Dera)				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
09-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
20-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:247
Area: Kaniha

Project	Kaniha OCP				
Monitoring Station	Near Project Office				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
08-Jun-2022	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:248
Area: Kaniha

Project	Kaniha OCP				
Monitoring Station	Project Office				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
10-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
20-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:249
Area: Kaniha

Project	Kaniha OCP				
Monitoring Station	New Time Office (Near Z-Patch)				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
08-Jun-2022	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:250
Area: Kaniha

Project	Kaniha OCP				
Monitoring Station	New Time Office (Near Z-Patch)				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
08-Jun-2022	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
10-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
21-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:251
Area: Kaniha

Project	Kaniha OCP				
Monitoring Station	Old Site Office				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
08-Jun-2022	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:252
Area: Kaniha

Project	Kaniha OCP				
Monitoring Station	Old Site Office				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
11-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
21-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:253
Area: Kaniha

Project	Kaniha OCP				
Monitoring Station	North of the mine				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
09-Jun-2022	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:254
Area: Kaniha

Project	Kaniha OCP				
Monitoring Station	North of the mine				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
11-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
21-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:255
Area: Kaniha

Project	Kaniha OCP				
Monitoring Station	Near Jatra Padia, Jarada				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
09-Jun-2022	<1.0	<1.0	<1.0	<0.1	<0.1

Standard	6.0(Annual)	20(Annual)	-	-	-

Table:256
Area: Kaniha

Project	Kaniha OCP				
Monitoring Station	Near Jatra Padia, Jarada				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
11-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
21-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:257
Area: Kaniha

Project	Kaniha OCP				
Monitoring Station	Near External OB Dump, Jamania				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
09-Jun-2022	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:258
Area: Kaniha

Project	Kaniha OCP				
Monitoring Station	Near External OB Dump Jamania				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
11-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
21-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:259
Area: Hingula

Project	Hingula OCP				
Monitoring Station	Time Office				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
02-Jun-2022	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:260
Area: Hingula

Project	Hingula OCP				
Monitoring Station	Time Office				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
11-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
24-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1

Standard	6.0(Annual)	20(Annual)	-	-	-

Table:261
Area: Hingula

Project	Hingula OCP				
Monitoring Station	Near Pirakhaman village				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
02-Jun-2022	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:262
Area: Hingula

Project	Hingula OCP				
Monitoring Station	Near Pirakhaman village				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
15-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
24-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:263
Area: Hingula

Project	Balram OCP				
Monitoring Station	Near Project Office				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
01-Jun-2022	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:264
Area: Hingula

Project	Balram OCP				
Monitoring Station	Near Project Office				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
13-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
24-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:265
Area: Hingula

Project	Balram OCP				
Monitoring Station	Pump House near Outsourcing Working Patch & Coal Transport Road				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
01-Jun-2022	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:266
Area: Hingula

Project	Balram OCP				
Monitoring Station	Pump House near Outsourcing Working Patch & Coal Transport Road				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
13-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
24-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	-

Table:267
Area: Talcher

Project	Talcher				
Monitoring Station	Near Canteen Talcher Colliery				
Date of sampling	Lead (Pb)	Arsenic (As)	Nickel (Ni)	Chromium (Cr)	Cadmium (Cd)
	(µg/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
01-Jun-2022	<0.1	<1.0	<1.0	<0.1	<0.1
Standard	1.0(24hours)	6.0(Annual)	20(Annual)	-	-

Table:268
Area: Talcher

Project	Talcher				
Monitoring Station	Near Canteen Talcher Colliery				
Date of sampling	Lead (Pb)	Arsenic (As)	Nickel (Ni)	Chromium (Cr)	Cadmium (Cd)
	(µg/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
13-Mar-2023	<0.1	<1.0	<1.0	<0.1	<0.1
25-Mar-2023					
Standard	1.0(24hours)	6.0(Annual)	20(Annual)	-	-

Table:269
Area: Talcher

Project	Talcher				
Monitoring Station	Officer Club, Talcher Area				
Date of sampling	Lead (Pb)	Arsenic (As)	Nickel (Ni)	Chromium (Cr)	Cadmium (Cd)
	(µg/m3)	(ng/m3)	(ng/m3)	(µg/m3)	(µg/m3)
01-Jun-2022	<0.1	<1.0	<1.0	<0.1	<0.1
Standard	1.0(24hours)	6.0(Annual)	20(Annual)	-	-

Table:270
Area: Talcher

Project	Talcher				
Monitoring Station	Officer Club, Talcher Area				

Date of sampling	Lead (Pb)	Arsenic (As)	Nickel (Ni)	Chromium (Cr)	Cadmium (Cd)
	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
13-Mar-2023	<0.1	<1.0	<1.0	<0.1	<0.1
25-Mar-2023					
Standard	1.0(24hours)	6.0(Annual)	20(Annual)	-	-

Table:271
Area: Talcher

Project	Nandira				
Monitoring Station	Project Office				
Date of sampling	Lead (Pb)	Arsenic (As)	Nickel (Ni)	Chromium (Cr)	Cadmium (Cd)
	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
08-Jun-2022	<0.1	<1.0	<1.0	<0.1	<0.1
Standard	1.0(24hours)	6.0(Annual)	20(Annual)	-	-

Table:272
Area: Talcher

Project	Nandira				
Monitoring Station	Project Office				
Date of sampling	Lead (Pb)	Arsenic (As)	Nickel (Ni)	Chromium (Cr)	Cadmium (Cd)
	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
13-Mar-2023	<0.1	<1.0	<1.0	<0.1	<0.1
25-Mar-2023					
Standard	1.0(24hours)	6.0(Annual)	20(Annual)	-	-

Table:273
Area: Talcher

Project	Nandira				
Monitoring Station	Sub-station				
Date of sampling	Lead (Pb)	Arsenic (As)	Nickel (Ni)	Chromium (Cr)	Cadmium (Cd)
	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
08-Jun-2022	<0.1	<1.0	<1.0	<0.1	<0.1
Standard	1.0(24hours)	6.0(Annual)	20(Annual)	-	-

Table:274
Area: Talcher

Project	Nandira				
Monitoring Station	Sub-station				
Date of sampling	Lead (Pb)	Arsenic (As)	Nickel (Ni)	Chromium (Cr)	Cadmium (Cd)

	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
13-Mar-2023	<0.1	<1.0	<1.0	<0.1	<0.1
25-Mar-2023					
Standard	1.0(24hours)	6.0(Annual)	20(Annual)	-	-

Table:275
Area: Talcher

Project	Deulbera				
Monitoring Station	IWSS (Reported Only)				
Date of sampling	Lead (Pb)	Arsenic (As)	Nickel (Ni)	Chromium (Cr)	Cadmium (Cd)
	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
07-Jun-2022	<0.1	<1.0	<1.0	<0.1	<0.1
Standard	1.0(24hours)	6.0(Annual)	20(Annual)	-	-

Table:276
Area: Talcher

Project	Deulbera				
Monitoring Station	IWSS (Reported Only)				
Date of sampling	Arsenic (As)	Nickel (Ni)	Mercury (Hg)	Chromium (Cr)	Cadmium (Cd)
	(ng/m^3)	(ng/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
09-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
20-Mar-2023	<1.0	<1.0	<1.0	<0.1	<0.1
Standard	6.0(Annual)	20(Annual)	-	-	

Table:277
Area: Talcher

Project	Mandapal Sand Mine				
Monitoring Station	Near Mandapal Chowk				
Date of sampling	Lead (Pb)	Arsenic (As)	Nickel (Ni)	Chromium (Cr)	Cadmium (Cd)
	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
04-Jun-2022	<0.1	<1.0	<1.0	<0.1	<0.1
Standard	1.0(24hours)	6.0(Annual)	20(Annual)	-	-

Table:278
Area: Talcher

Project	Mandapal Sand Mine				
Monitoring Station	Near Mandapal Chowk				
Date of sampling	Lead (Pb)	Arsenic (As)	Nickel (Ni)	Chromium (Cr)	Cadmium (Cd)
	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
09-Mar-2023	<0.1	<1.0	<1.0	<0.1	<0.1
29-Mar-2023					
Standard	1.0(24hours)	6.0(Annual)	20(Annual)	-	-

Table:279
Area: Talcher

Project	Mandapal Sand Mine				
Monitoring Station	Near Pachismeshwar Temple				
Date of sampling	Lead (Pb)	Arsenic (As)	Nickel (Ni)	Chromium (Cr)	Cadmium (Cd)
	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
04-Jun-2022	<0.1	<1.0	<1.0	<0.1	<0.1
Standard	1.0(24hours)	6.0(Annual)	20(Annual)	-	-

Table:280
Area: Talcher

Project	Mandapal Sand Mine				
Monitoring Station	Near Pachismeshwar Temple				
Date of sampling	Lead (Pb)	Arsenic (As)	Nickel (Ni)	Chromium (Cr)	Cadmium (Cd)
	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
03-Mar-2023	<0.1	<1.0	<1.0	<0.1	<0.1
29-Mar-2023					
Standard	1.0(24hours)	6.0(Annual)	20(Annual)	-	-

Table:281
Area: Talcher

Project	Kakudi & Kishoripal Sand Mine				
Monitoring Station	Near Kishoripal Village				
Date of sampling	Lead (Pb)	Arsenic (As)	Nickel (Ni)	Chromium (Cr)	Cadmium (Cd)
	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
04-Jun-2022	<0.1	<1.0	<1.0	<0.1	<0.1
Standard	1.0(24hours)	6.0(Annual)	20(Annual)	-	-

Table:282
Area: Talcher

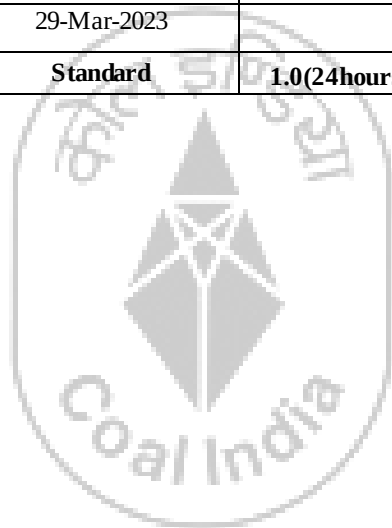
Project	Kakudi & Kishoripal Sand Mine				
Monitoring Station	Near Kishoripal Village				
Date of sampling	Lead (Pb)	Arsenic (As)	Nickel (Ni)	Chromium (Cr)	Cadmium (Cd)
	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
04-Mar-2023	<0.1	<1.0	<1.0	<0.1	<0.1
29-Mar-2023					
Standard	1.0(24hours)	6.0(Annual)	20(Annual)	-	-

Table:283
Area: Talcher

Project	Handhidhwa Colliery				
Monitoring Station	Manager's Office				
Date of sampling	Lead (Pb)	Arsenic (As)	Nickel (Ni)	Chromium (Cr)	Cadmium (Cd)
	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
01-Jun-2022	<0.1	<1.0	<1.0	<0.1	<0.1
Standard	1.0(24hours)	6.0(Annual)	20(Annual)	-	-

Table:284
Area: Talcher

Project	Handhidhwa Colliery				
Monitoring Station	Manager's Office				
Date of sampling	Lead (Pb)	Arsenic (As)	Nickel (Ni)	Chromium (Cr)	Cadmium (Cd)
	($\mu\text{g}/\text{m}^3$)	(ng/m^3)	(ng/m^3)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
13-Mar-2023	<0.1	<1.0	<1.0	<0.1	<0.1
29-Mar-2023					
Standard	1.0(24hours)	6.0(Annual)	20(Annual)	-	-



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CARBON MONOXIDE ANALYTICAL RESULTS

Table:285
Area: Jagannath

Project	Ananta OCP
Monitoring Station	Guthasahi Village
Date of sampling	Carbon Monoxide(CO)
	mg/m³
29-Apr-2022	0.45
Standard	04 (1 Hour)

Table:286
Area: Jagannath

Project	Ananta OCP
Monitoring Station	Guthasahi Village
Date of sampling	Carbon Monoxide(CO)
	mg/m³
06-May-2022	0.56
07-May-2022	1.19
13-May-2022	0.59
14-May-2022	0.75
20-May-2022	0.65
21-May-2022	0.82
27-May-2022	0.61
28-May-2022	0.70
Standard	04 (1 Hour)

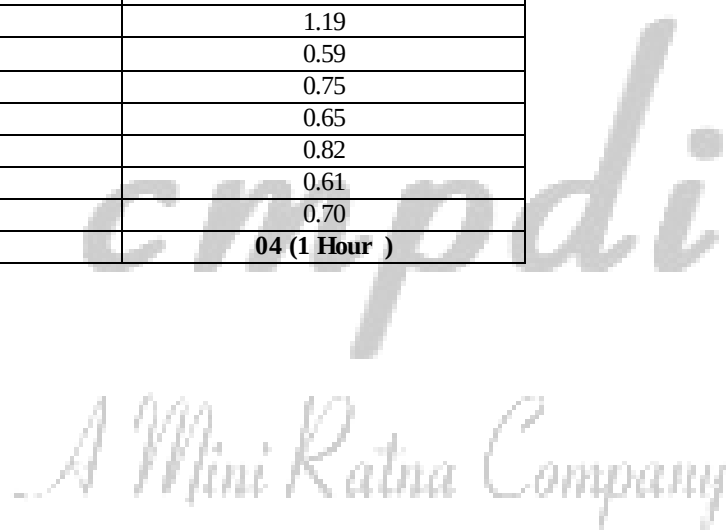


Table:287
Area: Jagannath

Project	Ananta OCP
Monitoring Station	Guthasahi Village
Date of sampling	Carbon Monoxide(CO)
	mg/m³
03-June-2022	0.43
04-June-2022	1.03
10-June-2022	0.58
11-June-2022	0.63
17-June-2022	0.61
18-June-2022	0.80
24-June-2022	0.64
25-June-2022	0.70
30-June-2022	0.71
Standard	04 (1 Hour)

Table:288
Area: Jagannath

Project	Jagannath OCP
Monitoring Station	CWS Colony, Meeti
Date of sampling	Carbon Monoxide(CO)
	mg/m³
02-May-2022	0.86
03-May-2022	0.79
09-May-2022	0.78
10-May-2022	0.66
16-May-2022	0.65
17-May-2022	0.48
23-May-2022	0.55
24-May-2022	0.54
Standard	04 (1 Hour)

Table:289
Area: Jagannath

<i>Project</i>	Jagannath OCP
<i>Monitoring Station</i>	CWS Colony, Meeti
<i>Date of sampling</i>	Carbon Monoxide(CO)
	mg/m³
06-June-2022	0.81
07-June-2022	0.70
13-June-2022	0.73
14-June-2022	0.65
20-June-2022	0.61
21-June-2022	0.46
27-June-2022	0.50
28-June-2022	0.51
Standard	04 (1 Hour)

Table:290
Area: Jagannath

<i>Project</i>	Ananta OCP
<i>Monitoring Station</i>	Central Nursery
<i>Date of sampling</i>	Carbon Monoxide(CO)
	mg/m³
29-Apr-2022	0.61
Standard	04 (1 Hour)

Table:291
Area: Jagannath

<i>Project</i>	Ananta OCP
<i>Monitoring Station</i>	Central Nursery
<i>Date of sampling</i>	Carbon Monoxide(CO)
	mg/m³
04-May-2022	0.87
18-May-2022	0.59
Standard	04 (1 Hour)

Table:292
Area: Jagannath

<i>Project</i>	Ananta OCP
<i>Monitoring Station</i>	Central Nursery
<i>Date of sampling</i>	Carbon Monoxide(CO)
	mg/m³
06-June-2022	0.80
20-June-2022	0.52
Standard	04 (1 Hour)

Table:293
Area: Jagannath

Project	Ananta OCP
Monitoring Station	Central Nursery
Date of sampling	Carbon Monoxide(CO)
	mg/m³
06-Aug-2022	0.15
30-Aug-2022	0.1
Standard	04 (1 Hour)

Table:294
Area: Jagannath

Project	Ananta OCP
Monitoring Station	Central Nursery
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
01-Oct-2022	0.1
17-Oct-2022	0.1
Standard	04(1 Hours)



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Table:295
Area: Jagannath

Project	Ananta OCP
Monitoring Station	Central Nursery
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
05-Nov-2022	0.1
21-Nov-2022	0.3
Standard	04(1 Hours)

Table:296
Area: Jagannath

Project	Ananta OCP
Monitoring Station	Central Nursery
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
03-Dec-2022	0.2
21-Dec-2022	0.2
Standard	04(1 Hours)

Table:297
Area: Jagannath

Project	Ananta OCP
Monitoring Station	Central Nursery
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
06-Jan-2023	0.2
16-Jan-2023	0.2
Standard	04(1 Hours)

Table:298
Area: Jagannath

Project	Ananta OCP
Monitoring Station	Central Nursery
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
03-Feb-2023	0.2
21-Feb-2023	0.1
Standard	04(1 Hours)

Table:299
Area: Jagannath

Project	Ananta OCP
Monitoring Station	Central Nursery
Date of sampling	Carbon Monoxide (CO)
	mg/m3
03-Mar-2023	0.3
18-Mar-2023	0.4
Standard	04(1 Hours)

Table:300
Area: Jagannath

Project	Ananta OCP
Monitoring Station	North East of Mine
Date of sampling	Carbon Monoxide(CO)
	mg/m³
29-Apr-2022	0.19
Standard	04 (1 Hour)

Table:301
Area: Jagannath

Project	Ananta OCP
Monitoring Station	North East of Mine
Date of sampling	Carbon Monoxide(CO)
	mg/m³
04-May-2022	0.86
18-May-2022	0.71
Standard	04 (1 Hour)

Table:302
Area: Jagannath

Project	Ananta OCP
Monitoring Station	North East of Mine
Date of sampling	Carbon Monoxide(CO)
	mg/m³
06-June-2022	0.80
20-June-2022	0.75
Standard	04 (1 Hour)

Table:303
Area: Jagannath

Project	Ananta OCP
Monitoring Station	North-East of the Mine
Date of sampling	Carbon Monoxide (CO)
	Mg/m³
03-Aug-2022	0.33
30-Aug-2022	0.3
Standard	04(1 Hours)

Table:304
Area: Jagannath

Project	Ananta OCP
Monitoring Station	North-East of the Mine
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
01-Oct-2022	0.2
17-Oct-2022	0.3
Standard	04(1 Hours)

Table:305
Area: Jagannath

Project	Ananta OCP
Monitoring Station	North-East of the Mine
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
05-Nov-2022	0.3
21-Nov-2022	0.2
Standard	04(1 Hours)

Table:306
Area: Jagannath

Project	Ananta OCP
Monitoring Station	North-East of the Mine
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
03-Dec-2022	0.3
21-Dec-2022	0.1
Standard	04(1 Hours)

Table:307
Area: Jagannath

Project	Ananta OCP
Monitoring Station	North-East of the Mine
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
06-Jan-2023	0.3
16-Jan-2023	0.4
Standard	04(1 Hours)

Table:308
Area: Jagannath

Project	Ananta OCP
Monitoring Station	North-East of the Mine
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
03-Feb-2023	0.1
20-Feb-2023	0.3
Standard	04(1 Hours)

Table:309
Area: Jagannath

Project	Ananta OCP
Monitoring Station	North-East of the Mine
Date of sampling	Carbon Monoxide (CO)
	mg/m3
03-Mar-2023	0.5
18-Mar-2023	0.1
Standard	04(1 Hours)

Table:310
Area: Bharatpur

<i>Project</i>	Bharatpur OCP
<i>Monitoring Station</i>	Near Joragadia Village
<i>Date of sampling</i>	Carbon Monoxide (CO)
	mg/m ³
06-May-2022	1.02
07-May-2022	0.56
13-May-2022	0.45
14-May-2022	0.63
20-May-2022	0.71
21-May-2022	0.52
27-May-2022	1.13
28-May-2022	1.45
Standard	04 (1 Hour)

Table:311
Area: Bharatpur

<i>Project</i>	Bharatpur OCP
<i>Monitoring Station</i>	Near Joragadia Village
<i>Date of sampling</i>	Carbon Monoxide (CO)
	mg/m ³
03-June-2022	1.05
04-June-2022	0.51
10-June-2022	0.43
11-June-2022	0.66
17-June-2022	0.79
18-June-2022	0.55
24-June-2022	1.01
25-June-2022	1.09
30-June-2022	0.49
Standard	04 (1 Hour)

Table:312
Area: Bharatpur

<i>Project</i>	Bharatpur OCP
<i>Monitoring Station</i>	Natedi Village (Reported Only)
<i>Date of sampling</i>	Carbon Monoxide(CO)
	mg/m ³
06-May-2022	1.03
07-May-2022	0.64
12-May-2022	0.67
13-May-2022	0.58
20-May-2022	0.57
21-May-2022	0.58
26-May-2022	0.48
27-May-2022	1.16
Standard	04 (1 Hour)

Table:313
Area: Bharatpur

<i>Project</i>	Bharatpur OCP
<i>Monitoring Station</i>	Natedi Village (Reported Only)
<i>Date of sampling</i>	Carbon Monoxide(CO)
	mg/m³
03-June-2022	1.06
04-June-2022	0.61
10-June-2022	0.68
11-June-2022	0.53
17-June-2022	0.57
18-June-2022	0.55
24-June-2022	0.47
25-June-2022	1.16
Standard	04 (1 Hour)

Table:314
Area: Lingaraj

<i>Project</i>	Lingaraj OCP
<i>Monitoring Station</i>	Near Kankili Community Centre
<i>Date of sampling</i>	Carbon Monoxide(CO)
	mg/m³
29-Apr-2022	0.19
Standard	04 (1 Hour)

Table:315
Area: Lingaraj

<i>Project</i>	Lingaraj OCP
<i>Monitoring Station</i>	Near Kankili Community Centre
<i>Date of sampling</i>	Carbon Monoxide(CO)
	mg/m³
06-May-2022	0.37
07-May-2022	0.02
12-May-2022	0.08
13-May-2022	0.21
20-May-2022	0.17
21-May-2022	0.26
26-May-2022	0.15
27-May-2022	0.55
Standard	04 (1 Hour)

Table:316
Area: Lingaraj

Project	Lingaraj OCP
Monitoring Station	Near Kankili Community Centre
Date of sampling	Carbon Monoxide(CO)
	mg/m ³
02-June-2022	0.35
03-June-2022	0.02
08-June-2022	0.05
09-June-2022	0.23
16-June-2022	0.12
17-June-2022	0.28
22-June-2022	0.10
23-June-2022	0.55
29-June-2022	0.16
30 -June-2022	0.52
Standard	04 (1 Hour)

Table:317
Area: Lingaraj

Project	Lingaraj OCP
Monitoring Station	Near OB Dump no. 5 (South Side of the Mine)
Date of sampling	Carbon Monoxide(CO)
	mg/m ³
29-Apr-2022	1.03
Standard	04 (1 Hour)

Table:318
Area: Lingaraj

Project	Lingaraj OCP
Monitoring Station	Near OB Dump no. 5 (South Side of the Mine)
Date of sampling	Carbon Monoxide(CO)
	mg/m ³
05-May-2022	0.2
19-May-2022	0.06
Standard	04 (1 Hour)

Table:319
Area: Lingaraj

Project	Lingaraj OCP
Monitoring Station	Near OB Dump no. 5 (South Side of the Mine)
Date of sampling	Carbon Monoxide(CO)
	mg/m ³
07-June-2022	0.06
21-June-2022	0.08
Standard	04 (1 Hour)

Table:320
Area: Lingaraj

Project	Lingaraj OCP
Monitoring Station	Near OB Dump no. 5 (South Side of the Mine)
Date of sampling	Carbon Monoxide(CO)
	mg/m ³
08-Aug-2022	0.31
23-Aug-2022	0.3
Standard	04 (1 Hour)

Table:321
Area: Lingaraj

Project	LingarajOCP
Monitoring Station	Near OB Dump no. 5 (South Side of the Mine)
Date of sampling	Carbon Monoxide (CO)
	Mg/m ³
03-Oct-2022	0.1
18-Oct-2022	0.1
Standard	04(1 Hours)

Table:322
Area: Lingaraj

Project	LingarajOCP
Monitoring Station	Near OB Dump no. 5 (South Side of the Mine)
Date of sampling	Carbon Monoxide (CO)
	Mg/m ³
14-Nov-2022	0.3
22-Nov-2022	0.2
Standard	04(1 Hours)

Table:323
Area: Lingaraj

<i>Project</i>	LingarajOCP
<i>Monitoring Station</i>	Near OB Dump no. 5 (South Side of the Mine)
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
07-Dec-2022	0.2
22-Dec-2022	0.1
Standard	04(1 Hours)

Table:324
Area: Lingaraj

<i>Project</i>	LingarajOCP
<i>Monitoring Station</i>	Near OB Dump no. 5 (South Side of the Mine)
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
-Jan-2023	0.3
-Jan-2023	0.2
Standard	04(1 Hours)

Table:325
Area: Lingaraj

<i>Project</i>	LingarajOCP
<i>Monitoring Station</i>	Near OB Dump no. 5 (South Side of the Mine)
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
04-Feb-2023	0.1
22-Feb-2023	0.3
Standard	04(1 Hours)

Table:326
Area: Lingaraj

<i>Project</i>	LingarajOCP
<i>Monitoring Station</i>	Near OB Dump no. 5 (South Side of the Mine)
<i>Date of sampling</i>	Carbon Monoxide (CO)
	mg/m3
09-Mar-2023	0.1
20-Mar-2023	0.3
Standard	04(1 Hours)

Table:327
Area: Lingaraj

Project	Lingaraj OCP
Monitoring Station	Near OB Dump no. 10 (North Side of the Mine)
Date of sampling	Carbon Monoxide(CO)
	mg/m ³
29-Apr-2022	0.29
Standard	04 (1 Hour)

Table:328
Area: Lingaraj

Project	Lingaraj OCP
Monitoring Station	Near OB Dump no. 10 (North Side of the Mine)
Date of sampling	Carbon Monoxide(CO)
	mg/m ³
05-May-2022	0.26
19-May-2022	0.05
Standard	04 (1 Hour)

Table:329
Area: Lingaraj

Project	Lingaraj OCP
Monitoring Station	Near OB Dump no. 10 (North Side of the Mine)
Date of sampling	Carbon Monoxide(CO)
	mg/m ³
07-June-2022	0.22
21-June-2022	0.06
Standard	04 (1 Hour)

Table:330
Area: Lingaraj

Project	Lingaraj OCP
Monitoring Station	Near OB Dump no. 10 (North Side of the Mine)
Date of sampling	Carbon Monoxide(CO)
	mg/m ³
08-Aug-2022	0.34
23-Aug-2022	0.3
Standard	04 (1 Hour)

Table:331
Area: Lingaraj

<i>Project</i>	LingarajOCP
<i>Monitoring Station</i>	Near OB Dump no. 10 (North Side of the Mine)
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
03-Oct-2022	0.4
18-Oct-2022	0.2
Standard	04(1 Hours)

Table:332
Area: Lingaraj

<i>Project</i>	LingarajOCP
<i>Monitoring Station</i>	Near OB Dump no. 10 (North Side of the Mine)
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
14-Nov-2022	0.2
22-Nov-2022	0.3
Standard	04(1 Hours)

Table:333
Area: Lingaraj

<i>Project</i>	LingarajOCP
<i>Monitoring Station</i>	Near OB Dump no. 10 (North Side of the Mine)
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
07-Dec-2022	0.1
22-Dec-2022	0.2
Standard	04(1 Hours)

Table:334
Area: Lingaraj

<i>Project</i>	LingarajOCP
<i>Monitoring Station</i>	Near OB Dump no. 10 (North Side of the Mine)
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
07-Jan-2023	0.1
21-Jan-2023	0.3
Standard	04(1 Hours)

Table:335
Area: Lingaraj

Project	LingarajOCP
Monitoring Station	Near OB Dump no. 10 (North Side of the Mine)
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
04-Feb-2023	0.3
22-Feb-2023	0.1
Standard	04(1 Hours)

Table:336
Area: Lingaraj

Project	LingarajOCP
Monitoring Station	Near OB Dump no. 10 (North Side of the Mine)
Date of sampling	Carbon Monoxide (CO)
	mg/m3
09-Mar-2023	0.4
20-Mar-2023	0.3
Standard	04(1 Hours)

Table:337
Area: Lingaraj

Project	Lingaraj OCP
Monitoring Station	IWSS
Date of sampling	Carbon Monoxide(CO)
	mg/m³
29-Apr-2022	0.20
Standard	04 (1 Hour)

Table:338
Area: Lingaraj

<i>Project</i>	Lingaraj OCP
<i>Monitoring Station</i>	IWSS
<i>Date of sampling</i>	Carbon Monoxide(CO)
	mg/m ³
05-May-2022	0.44
19-May-2022	0.03
Standard	04 (1 Hour)

Table:339
Area: Lingaraj

<i>Project</i>	Lingaraj OCP
<i>Monitoring Station</i>	IWSS
<i>Date of sampling</i>	Carbon Monoxide(CO)
	mg/m ³
07-June-2022	0.47
21-June-2022	0.12
Standard	04 (1 Hour)

Table:340
Area: Lingaraj

<i>Project</i>	LingarajOCP
<i>Monitoring Station</i>	IWSS
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
08-Aug-2022	0.34
23-Aug-2022	0.3
Standard	04(1 Hours)

Table:341
Area: Lingaraj

Project	LingarajOCP
Monitoring Station	IWSS
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
03-Oct-2022	0.3
18-Oct-2022	0.3
Standard	04(1 Hours)

Table:342
Area: Lingaraj

Project	LingarajOCP
Monitoring Station	IWSS
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
14-Nov-2022	0.4
22-Nov-2022	0.2
Standard	04(1 Hours)

Table:343
Area: Lingaraj

Project	LingarajOCP
Monitoring Station	IWSS
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
07-Dec-2022	0.2
22-Dec-2022	0.1
Standard	04(1 Hours)

Table:344
Area: Lingaraj

Project	LingarajOCP
Monitoring Station	IWSS
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
07-Jan-2023	0.1
21-Jan-2023	0.1
Standard	04(1 Hours)

Table:345
Area: Lingaraj

Project	LingarajOCP
Monitoring Station	IWSS
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
08-Feb-2023	0.3
22-Feb-2023	0.3
Standard	04(1 Hours)

Table:346
Area: Lingaraj

Project	LingarajOCP
Monitoring Station	IWSS
Date of sampling	Carbon Monoxide (CO)
	mg/m3
09-Mar-2023	0.2
20-Mar-2023	0.1
Standard	04(1 Hours)

Table:347
Area: Lingaraj

Project	Lingaraj OCP
Monitoring Station	Near Lingaraj to Dera Road
Date of sampling	Carbon Monoxide(CO)
	mg/m ³
29-Apr-2022	0.88
Standard	04 (1 Hour)

Table:348
Area: Lingaraj

Project	Lingaraj OCP
Monitoring Station	Near Lingaraj to Dera Road
Date of sampling	Carbon Monoxide(CO)
	mg/m ³
05-May-2022	0.42
19-May-2022	0.02
Standard	04 (1 Hour)

Table:349
Area: Lingaraj

Project	Lingaraj OCP
Monitoring Station	Near Lingaraj to Dera Road
Date of sampling	Carbon Monoxide(CO)
	mg/m ³
07-June-2022	0.42
21-June-2022	0.09
Standard	04 (1 Hour)

Table:350
Area: Lingaraj

Project	Lingaraj OCP
Monitoring Station	Near Lingaraj to Dera Road
Date of sampling	Carbon Monoxide (CO)
	mg/m ³
08-Aug-2022	0.42
23-Aug-2022	0.4
Standard	04 (1 Hour)

Table:351
Area: Lingaraj

Project	LingarajOCP
Monitoring Station	Near Lingaraj to Dera Road
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
03-Oct-2022	0.2
18-Oct-2022	0.1
Standard	04(1 Hours)

Table:352
Area: Lingaraj

Project	LingarajOCP
Monitoring Station	Near Lingaraj to Dera Road
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
14-Nov-2022	0.2
22-Nov-2022	0.3
Standard	04(1 Hours)

Table:353
Area: Lingaraj

<i>Project</i>	LingarajOCP
<i>Monitoring Station</i>	Near Lingaraj to Dera Road
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
07-Dec-2022	0.3
22-Dec-2022	0.3
Standard	04(1 Hours)

Table:354
Area: Lingaraj

<i>Project</i>	LingarajOCP
<i>Monitoring Station</i>	Near Lingaraj to Dera Road
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
07-Jan-2023	0.3
21-Jan-2023	0.2
Standard	04(1 Hours)

Table:355
Area: Lingaraj

<i>Project</i>	LingarajOCP
<i>Monitoring Station</i>	Near Lingaraj to Dera Road
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
08-Feb-2023	0.1
22-Feb-2023	0.4
Standard	04(1 Hours)

Table:356
Area: Lingaraj

<i>Project</i>	LingarajOCP
<i>Monitoring Station</i>	Near Lingaraj to Dera Road
<i>Date of sampling</i>	Carbon Monoxide (CO)
	mg/m3
09-Mar-2023	0.4
20-Mar-2023	0.5
Standard	04(1 Hours)

Table:357
Area: Kaniha

<i>Project</i>	Kaniha OCP
<i>Monitoring Station</i>	South West of Mine
<i>Date of sampling</i>	Carbon Monoxide(CO)
	mg/m ³
03-May-2022	0.03
04-May-2022	0.02
10-May-2022	0.03
11-May-2022	0.05
17-May-2022	0.03
18-May-2022	0.02
24-May-2022	0.01
25-May-2022	0.04
Standard	04 (1 Hour)

Table:358
Area: Kaniha

<i>Project</i>	Kaniha OCP
<i>Monitoring Station</i>	South West of Mine
<i>Date of sampling</i>	Carbon Monoxide(CO)
	mg/m ³
07-June-2022	0.07
08-June-2022	0.03
14-June-2022	0.08
15-June-2022	0.04
21-June-2022	0.01
22-June-2022	0.06
27-June-2022	0.03
28-June-2022	0.01
Standard	04 (1 Hour)

Table:359
Area: Kaniha

<i>Project</i>	Kaniha OCP
<i>Monitoring Station</i>	South of Proposed Quarry Limit of KOCP
<i>Date of sampling</i>	Carbon Monoxide(CO)
	mg/m ³
03-May-2022	0.09
04-May-2022	0.08
09-May-2022	0.07
10-May-2022	0.07
17-May-2022	0.03
18-May-2022	0.09
23-May-2022	0
24-May-2022	0.08
Standard	04 (1 Hour)

Table:360
Area: Kaniha

Project	Kaniha OCP
Monitoring Station	South of Proposed Quarry Limit of KOCP
Date of sampling	Carbon Monoxide(CO)
	mg/m ³
06-June-2022	0.05
07-June-2022	0.08
14-June-2022	0.05
15-June-2022	0.06
21-June-2022	0.01
22-June-2022	0.08
27-June-2022	0.09
28-June-2022	0.07
Standard	04 (1 Hour)

Table:361
Area: Kaniha

Project	Kaniha OCP
Monitoring Station	Near Project Office
Date of sampling	Carbon Monoxide(CO)
	mg/m ³
09-May-2022	0.1
23-May-2022	0.02
Standard	04 (1 Hour)

Table:362
Area: Kaniha

Project	Kaniha OCP
Monitoring Station	Near Project Office
Date of sampling	Carbon Monoxide(CO)
	mg/m ³
08-June-2022	0.12
22-June-2022	0.08
Standard	04 (1 Hour)

Table:363
Area: Kaniha

Project	KanihaOCP
Monitoring Station	Near Project Office
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
04-Aug-2022	0.35
29-Aug-2022	0.3
Standard	04(1 Hours)

Table:364
Area: Kaniha

Project	KanihaOCP
Monitoring Station	Near Project Office
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
01-Oct-2022	0.2
31-Oct-2022	0.2
Standard	04(1 Hours)

Table:365
Area: Kaniha

Project	KanihaOCP
Monitoring Station	Near Project Office
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
11-Nov-2022	0.1
28-Nov-2022	0.3
Standard	04(1 Hours)

Table:366
Area: Kaniha

Project	KanihaOCP
Monitoring Station	Near Project Office
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
14-Dec-2022	0.3
30-Dec-2022	0.1
Standard	04(1 Hours)

Table:367
Area: Kaniha

Project	KanihaOCP
Monitoring Station	Near Project Office
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
13-Jan-2023	0.2
30-Jan-2023	0.3
Standard	04(1 Hours)

Table:368
Area: Kaniha

Project	KanihaOCP
Monitoring Station	Near Project Office
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
08-Feb-2023	0.3
22-Feb-2023	0.2
Standard	04(1 Hours)

Table:369
Area: Kaniha

Project	KanihaOCP
Monitoring Station	Near Project Office
Date of sampling	Carbon Monoxide (CO)
	mg/m3
10-Mar-2023	0.1
20-Mar-2023	0.3
Standard	04(1 Hours)

Table:370
Area: Kaniha

<i>Project</i>	Kaniha OCP
<i>Monitoring Station</i>	New Time Office (Near Z-Patch)
<i>Date of sampling</i>	Carbon Monoxide(CO)
	mg/m ³
09-May-2022	0.03
23-May-2022	0.06
Standard	04 (1 Hour)

Table:371
Area: Kaniha

<i>Project</i>	Kaniha OCP
<i>Monitoring Station</i>	New Time Office (Near Z-Patch)
<i>Date of sampling</i>	Carbon Monoxide(CO)
	mg/m ³
08-June-2022	0.02
22-June-2022	0.05
Standard	04 (1 Hour)

Table:372
Area: Kaniha

<i>Project</i>	KanihaOCP
<i>Monitoring Station</i>	New Time Office (Near Z-Patch)
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
04-Aug-2022	0.15
29-Aug-2022	0.1
Standard	04(1 Hours)

Table:373
Area: Kaniha

<i>Project</i>	KanihaOCP
<i>Monitoring Station</i>	New Time Office (Near Z-Patch)
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
01-Oct-2022	0.2
31-Oct-2022	0.4
Standard	04(1 Hours)

Table:374
Area: Kaniha

<i>Project</i>	KanihaOCP
<i>Monitoring Station</i>	New Time Office (Near Z-Patch)
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
11-Nov-2022	0.3
28-Nov-2022	0.2
Standard	04(1 Hours)

Table:375
Area: Kaniha

<i>Project</i>	KanihaOCP
<i>Monitoring Station</i>	New Time Office (Near Z-Patch)
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
14-Dec-2022	0.1
30-Dec-2022	0.3
Standard	04(1 Hours)

Table:376
Area: Kaniha

<i>Project</i>	KanihaOCP
<i>Monitoring Station</i>	New Time Office (Near Z-Patch)
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
13-Jan-2023	0.1
30-Jan-2023	0.2
Standard	04(1 Hours)

Table:377
Area: Kaniha

<i>Project</i>	KanihaOCP
<i>Monitoring Station</i>	New Time Office (Near Z-Patch)
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
08-Feb-2023	0.3
22-Feb-2023	0.2
Standard	04(1 Hours)

Table:378
Area: Kaniha

Project	KanihaOCP
Monitoring Station	New Time Office (Near Z-Patch)
Date of sampling	Carbon Monoxide (CO)
	mg/m³
10-Mar-2023	0.3
21-Mar-2023	0.1
Standard	04(1 Hours)

Table:379
Area: Kaniha

Project	Kaniha OCP
Monitoring Station	Old Site Office
Date of sampling	Carbon Monoxide(CO)
	mg/m³
09-May-2022	0.09
23-May-2022	0.33
Standard	04 (1 Hour)

Table:380
Area: Kaniha

Project	Kaniha OCP
Monitoring Station	Old Site Office
Date of sampling	Carbon Monoxide(CO)
	mg/m³
08-June-2022	0.06
22-June-2022	0.30
Standard	04 (1 Hour)

Table:381
Area: Kaniha

Project	KanihaOCP
Monitoring Station	Old Site Office
Date of sampling	Carbon Monoxide (CO)
	Mg/m³
04-Aug-2022	0.22
29-Aug-2022	0.2
Standard	04(1 Hours)

Table:382
Area: Kaniha

Project	KanihaOCP
Monitoring Station	Old Site Office
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
01-Oct-2022	0.1
31-Oct-2022	0.2
Standard	04(1 Hours)

Table:383
Area: Kaniha

Project	KanihaOCP
Monitoring Station	Old Site Office
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
11-Nov-2022	0.2
28-Nov-2022	0.1
Standard	04(1 Hours)

Table:384
Area: Kaniha

Project	KanihaOCP
Monitoring Station	Old Site Office
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
14-Dec-2022	0.2
30-Dec-2022	0.1
Standard	04(1 Hours)

Table:385
Area: Kaniha

Project	KanihaOCP
Monitoring Station	Old Site Office
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
13-Jan-2023	0.3
30-Jan-2023	0.1
Standard	04(1 Hours)

Table:386
Area: Kaniha

Project	KanihaOCP
Monitoring Station	Old Site Office
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
08-Feb-2023	0.1
22-Feb-2023	0.1
Standard	04(1 Hours)

Table:387
Area: Kaniha

Project	KanihaOCP
Monitoring Station	Old Site Office
Date of sampling	Carbon Monoxide (CO)
	mg/m3
11-Mar-2023	0.2
21-Mar-2023	0.1
Standard	04(1 Hours)

Table:388
Area: Kaniha

Project	Kaniha OCP
Monitoring Station	North of the mine
Date of sampling	Carbon Monoxide(CO)
	mg/m³
10-May-2022	0.17
24-May-2022	0.38
Standard	04 (1 Hour)

Table:389
Area: Kaniha

Project	Kaniha OCP
Monitoring Station	North of the mine
Date of sampling	Carbon Monoxide(CO)
	mg/m³
09-June-2022	0.15
23-June-2022	0.31
Standard	04 (1 Hour)

Table:390
Area: Kaniha

Project	KanihaOCP
Monitoring Station	North of the mine
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
06-Aug-2022	0.21
29-Aug-2022	0.2
Standard	04(1 Hours)

Table:391
Area: Kaniha

Project	KanihaOCP
Monitoring Station	North of the mine
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
01-Oct-2022	0.3
31-Oct-2022	0.4
Standard	04(1 Hours)

Table:392
Area: Kaniha

Project	KanihaOCP
Monitoring Station	North of the mine
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
11-Nov-2022	0.2
28-Nov-2022	0.2
Standard	04(1 Hours)

Table:393
Area: Kaniha

Project	KanihaOCP
Monitoring Station	North of the mine
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
14-Dec-2022	0.3
30-Dec-2022	0.4
Standard	04(1 Hours)

Table:394
Area: Kaniha

Project	KanihaOCP
Monitoring Station	North of the mine
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
13-Jan-2023	0.3
30-Jan-2023	0.1
Standard	04(1 Hours)

Table:395
Area: Kaniha

<i>Project</i>	KanihaOCP
<i>Monitoring Station</i>	North of the mine
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
08-Feb-2023	0.3
25-Feb-2023	0.2
Standard	04(1 Hours)

Table:396
Area: Kaniha

<i>Project</i>	KanihaOCP
<i>Monitoring Station</i>	North of the mine
<i>Date of sampling</i>	Carbon Monoxide (CO)
	mg/m3
11-Mar-2023	0.5
21-Mar-2023	0.2
Standard	04(1 Hours)

Table:397
Area: Kaniha

<i>Project</i>	Kaniha OCP
<i>Monitoring Station</i>	Near Jatra Padia, Jarada
<i>Date of sampling</i>	Carbon Monoxide(CO)
	mg/m³
10-May-2022	0.05
24-May-2022	0.33
Standard	04 (1 Hour)

Table:398
Area: Kaniha

<i>Project</i>	Kaniha OCP
<i>Monitoring Station</i>	Near Jatra Padia, Jarada
<i>Date of sampling</i>	Carbon Monoxide(CO)
	mg/m³
09-June-2022	0.06
23-June-2022	0.09
Standard	04 (1 Hour)

Table:399
Area: Kaniha

<i>Project</i>	KanihaOCP
<i>Monitoring Station</i>	Near Jatra Padia, Jarada
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
06-Aug-2022	0.32
29-Aug-2022	0.3
Standard	04(1 Hours)

Table:400
Area: Kaniha

<i>Project</i>	KanihaOCP
<i>Monitoring Station</i>	Near Jatra Padia, Jarada
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
03-Oct-2022	0.2
31-Oct-2022	0.2
Standard	04(1 Hours)

Table:401
Area: Kaniha

<i>Project</i>	KanihaOCP
<i>Monitoring Station</i>	Near Jatra Padia, Jarada
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
11-Nov-2022	0.3
28-Nov-2022	0.3
Standard	04(1 Hours)

Table:402
Area: Kaniha

<i>Project</i>	KanihaOCP
<i>Monitoring Station</i>	Near Jatra Padia, Jarada
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
14-Dec-2022	0.2
30-Dec-2022	0.3
Standard	04(1 Hours)

Table:403
Area: Kaniha

Project	KanihaOCP
Monitoring Station	Near Jatra Padia, Jarada
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
13-Jan-2023	0.1
30-Jan-2023	0.3
Standard	04(1 Hours)

Table:404
Area: Kaniha

Project	KanihaOCP
Monitoring Station	Near Jatra Padia, Jarada
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
09-Feb-2023	0.3
25-Feb-2023	0.4
Standard	04(1 Hours)

Table:405
Area: Kaniha

Project	KanihaOCP
Monitoring Station	Near Jatra Padia, Jarada
Date of sampling	Carbon Monoxide (CO)
	mg/m3
11-Mar-2023	0.2
21-Mar-2023	0.3
Standard	04(1 Hours)

Table:406
Area: Kaniha

Project	Kaniha OCP
Monitoring Station	Near External OB Dump, Jamania
Date of sampling	Carbon Monoxide(CO)
	mg/m³
10-May-2022	0.1
24-May-2022	0.28
Standard	04 (1 Hour)

Table:407
Area: Kaniha

Project	Kaniha OCP
Monitoring Station	Near External OB Dump, Jamania
Date of sampling	Carbon Monoxide (CO)
	mg/m³
09-June-2022	0.06
23-June-2022	0.26
Standard	04 (1 Hour)

Table:408
Area: Kaniha

Project	KanihaOCP
Monitoring Station	Near External OB Dump, Jamania
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
06-Aug-2022	0.17
29-Aug-2022	0.1
Standard	04(1 Hours)

Table:409
Area: Kaniha

Project	KanihaOCP
Monitoring Station	Near External OB Dump, Jamania
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
03-Oct-2022	0.1
31-Oct-2022	0.3
Standard	04(1 Hours)

Table:410
Area: Kaniha

Project	KanihaOCP
Monitoring Station	Near External OB Dump, Jamania
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
11-Nov-2022	0.2
28-Nov-2022	0.4
Standard	04(1 Hours)

Table:411
Area: Kaniha

<i>Project</i>	KanihaOCP
<i>Monitoring Station</i>	Near External OB Dump, Jamania
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
14-Dec-2022	0.1
30-Dec-2022	0.1
Standard	04(1 Hours)

Table:412
Area: Kaniha

<i>Project</i>	KanihaOCP
<i>Monitoring Station</i>	Near External OB Dump, Jamania
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
13-Jan-2023	0.1
30-Jan-2023	0.4
Standard	04(1 Hours)

Table:413
Area: Kaniha

<i>Project</i>	KanihaOCP
<i>Monitoring Station</i>	Near External OB Dump, Jamania
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
09-Feb-2023	0.2
25-Feb-2023	0.2
Standard	04(1 Hours)

Table:414
Area: Kaniha

<i>Project</i>	KanihaOCP
<i>Monitoring Station</i>	Near External OB Dump, Jamania
<i>Date of sampling</i>	Carbon Monoxide (CO)
	mg/m3
11-Mar-2023	0.1
21-Mar-2023	0.3
Standard	04(1 Hours)

Table:415
Area: Hingula

<i>Project</i>	Hingula OCP
<i>Monitoring Station</i>	North of mine Purnapani , Kumunda Village
<i>Date of sampling</i>	Carbon Monoxide (CO)
	mg/m3
30-Apr-2023	0.90
Standard	04(1 Hours)

Table:416
Area: Hingula

<i>Project</i>	Hingula OCP
<i>Monitoring Station</i>	North of mine Purnapani , Kumunda Village
<i>Date of sampling</i>	Carbon Monoxide (CO)
	mg/m3
06-May-2022	0.86
07-May-2022	0.98
11-May-2022	0.87
12-May-2022	0.56
20-May-2022	0.76
21-May-2022	0.97
25-May-2022	0.53
26-May-2022	0.81
Standard	4 (1 hour)

Table:417
Area: Hingula

<i>Project</i>	Hingula OCP
<i>Monitoring Station</i>	North of mine Purnapani , Kumunda Village
<i>Date of sampling</i>	Carbon Monoxide (CO)
	mg/m3
02-June-2022	0.82
03-June-2022	0.92
09-June-2022	0.81
10-June-2022	0.54
16-June-2022	0.73
17-June-2022	0.95
22-June-2022	0.59
23-June-2022	0.80
29-June-2022	0.51
30-June-2022	0.80
Standard	4 (1 hour)

Table:418
Area: Hingula

<i>Project</i>	Hingula OCP
<i>Monitoring Station</i>	North East of the Mine, Solada Village
<i>Date of sampling</i>	Carbon Monoxide (CO)
	mg/m³
30-Apr-2023	1.02
Standard	04(1 Hours)

Table:419
Area: Hingula

<i>Project</i>	Hingula OCP
<i>Monitoring Station</i>	North East of the Mine, Solada Village
<i>Date of sampling</i>	Carbon Monoxide (CO)
	mg/m³
06-May-2022	0.82
07-May-2022	0.78
12-May-2022	0.83
13-May-2022	0.66
20-May-2022	0.71
21-May-2022	0.57
26-May-2022	0.52
27-May-2022	0.71
Standard	4 (1 hour)

Table:420
Area: Hingula

<i>Project</i>	Hingula OCP
<i>Monitoring Station</i>	North East of the Mine, Solada Village
<i>Date of sampling</i>	Carbon Monoxide (CO)
	mg/m³
02-June-2022	0.80
03-June-2022	0.77
10-June-2022	0.81
11-June-2022	0.60
16-June-2022	0.73
17-June-2022	0.55
24-June-2022	0.51
25-June-2022	0.76
Standard	4 (1 hour)

Table:421
Area: Hingula

Project	Balram OCP
Monitoring Station	Near Project Office
Date of sampling	Carbon Monoxide (CO)
	mg/m³
30-Apr-2023	0.90
Standard	04(1 Hours)

Table:422
Area: Hingula

Project	Balram OCP
Monitoring Station	East of the Mine, Natedi Village
Date of sampling	Carbon Monoxide (CO)
	mg/m³
30-Apr-2023	1.14
Standard	04(1 Hours)

Table:423
Area: Hingula

Project	Balram OCP
Monitoring Station	East of the Mine, Natedi Village
Date of sampling	Carbon Monoxide(CO)
	mg/m³
06-May-2022	1.05
07-May-2022	0.68
12-May-2022	0.71
13-May-2022	0.66
20-May-2022	0.53
21-May-2022	0.58
26-May-2022	0.6
27-May-2022	0.59
Standard	04 (1 Hour)

Table:424
Area: Hingula

Project	Balram OCP
Monitoring Station	East of the Mine, Natedi Village
Date of sampling	Carbon Monoxide(CO)
	mg/m ³
03-June-2022	1.06
04-June-2022	0.61
10-June-2022	0.68
11-June-2022	0.53
17-June-2022	0.57
18-June-2022	0.55
24-June-2022	0.47
25-June-2022	1.16
Standard	04 (1 Hour)

Table:425
Area: Hingula

Project	Balram OCP
Monitoring Station	Natada Village
Date of sampling	Carbon Monoxide (CO)
	mg/m ³
30-Apr-2022	0.97
Standard	4 (1 hour)

Table:426
Area: Hingula

Project	Balram OCP
Monitoring Station	Natada Village
Date of sampling	Carbon Monoxide(CO)
	mg/m ³
06-May-2022	1.04
07-May-2022	0.58
13-May-2022	0.72
14-May-2022	0.26
20-May-2022	0.51
21-May-2022	0.68
27-May-2022	0.60
28-May-2022	0.49
Standard	04 (1 Hour)

Table:427
Area: Hingula

Project	Balram OCP
Monitoring Station	Natada Village
Date of sampling	Carbon Monoxide(CO)
	mg/m ³
03-June-2022	1.01
04-June-2022	0.56
10-June-2022	0.71
11-June-2022	0.25
17-June-2022	0.50
18-June-2022	0.65
24-June-2022	0.61
25-June-2022	0.51
30-June-2022	0.45
Standard	04 (1 Hour)

Table:428
Area: Hingula

Project	Hingula OCP
Monitoring Station	Time Office
Date of sampling	Carbon Monoxide (CO)
	mg/m ³
30-Apr-2022	0.48
Standard	4 (1 hour)

Table:429
Area: Hingula

Project	Hingula OCP
Monitoring Station	Time Office
Date of sampling	Carbon Monoxide (CO)
	mg/m ³
04-May-2022	0.89
18-May-2022	1.16
Standard	4 (1 hour)

Table:430
Area: Hingula

Project	Hingula OCP
Monitoring Station	Time Office
Date of sampling	Carbon Monoxide (CO)
	mg/m ³
02-June-2022	0.86
16-June-2022	0.82
Standard	4 (1 hour)

Table:431
Area: Hingula

Project	Hingula OCP
Monitoring Station	Time Office
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
23-Aug-2022	0.2
Standard	04(1 Hours)

Table:432
Area: Hingula

Project	Hingula OCP
Monitoring Station	Time Office
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
06-Oct-2022	0.2
21-Oct-2022	0.2
Standard	04(1 Hours)

Table:433
Area: Hingula

Project	Hingula OCP
Monitoring Station	Time Office
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
12-Nov-2022	0.1
29-Nov-2022	0.1
Standard	04(1 Hours)

Table:434
Area: Hingula

<i>Project</i>	Hingula OCP
<i>Monitoring Station</i>	Time Office
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
15-Dec-2022	0.2
24-Dec-2022	0.1
Standard	04(1 Hours)

Table:435
Area: Hingula

<i>Project</i>	Hingula OCP
<i>Monitoring Station</i>	Time Office
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
14-Jan-2023	0.3
31-Jan-2023	0.4
Standard	04(1 Hours)

Table:436
Area: Hingula

<i>Project</i>	Hingula OCP
<i>Monitoring Station</i>	Time Office
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m3
09-Feb-2023	0.1
25-Feb-2023	0.3
Standard	04(1 Hours)

Table:437
Area: Hingula

<i>Project</i>	Hingula OCP
<i>Monitoring Station</i>	Time Office
<i>Date of sampling</i>	Carbon Monoxide (CO)
	mg/m3
11-Mar-2023	0.1
24-Mar-2023	0.3
Standard	04(1 Hours)

Table:438
Area: Hingula

<i>Project</i>	Hingula OCP
<i>Monitoring Station</i>	Near Pirakhaman Village
<i>Date of sampling</i>	Carbon Monoxide (CO)
	mg/m³
04-May-2022	0.56
18-May-2022	0.18
Standard	4 (1 hour)

Table:439
Area: Hingula

<i>Project</i>	Hingula OCP
<i>Monitoring Station</i>	Near Pirakhaman Village
<i>Date of sampling</i>	Carbon Monoxide (CO)
	mg/m³
02-June-2022	0.52
16-June-2022	0.68
Standard	4 (1 hour)

Table:440
Area: Hingula

<i>Project</i>	Hingula OCP
<i>Monitoring Station</i>	Near Pirakhaman village
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m³
23-Aug-2022	0.3
Standard	04(1 Hours)

Table:441
Area: Hingula

<i>Project</i>	Hingula OCP
<i>Monitoring Station</i>	Near Pirakhaman village
<i>Date of sampling</i>	Carbon Monoxide (CO)
	Mg/m³
06-Oct-2022	0.3
22-Oct-2022	0.4
Standard	04(1 Hours)

Table:442
Area: Hingula

Project	Hingula OCP
Monitoring Station	Near Pirakhaman village
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
12-Nov-2022	0.2
29-Nov-2022	0.3
Standard	04(1 Hours)

Table:443
Area: Hingula

Project	Hingula OCP
Monitoring Station	Near Pirakhaman village
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
15-Dec-2022	0.1
24-Dec-2022	0.3
Standard	04(1 Hours)

Table:444
Area: Hingula

Project	Hingula OCP
Monitoring Station	Near Pirakhaman village
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
13-Jan-2023	0.2
31-Jan-2023	0.3
Standard	04(1 Hours)

Table:445
Area: Hingula

Project	Hingula OCP
Monitoring Station	Near Pirakhaman village
Date of sampling	Carbon Monoxide (CO)
	Mg/m3
09-Feb-2023	0.2
25-Feb-2023	0.1
Standard	04(1 Hours)

Table:446
Area: Hingula

Project	Hingula OCP
Monitoring Station	Near Pirakhaman village
Date of sampling	Carbon Monoxide (CO)
	mg/m³
15-Mar-2023	0.1
24-Mar-2023	0.2
Standard	04(1 Hours)

Table:447
Area: Talcher

Project	Nandira
Monitoring Station	Nandira Colony
Date of sampling	Carbon Monoxide (CO)
	mg/m³
30-Apr-2022	0.54
Standard	04(1 Hours)

Table:448
Area: Talcher

3.Project	Nandira
Monitoring Station	Nandira Colony
Date of sampling	Carbon Monoxide(CO)
	mg/m³
02-May-2022	0.88
09-May-2022	0.62
10-May-2022	0.64
16-May-2022	0.6
17-May-2022	0.56
23-May-2022	0.57
24-May-2022	0.52
Standard	04 (1 Hour)

Table:449
Area: Talcher

3.Project	Nandira
Monitoring Station	Nandira Colony
Date of sampling	Carbon Monoxide(CO)
	mg/m ³
06-June-2022	0.84
07-June-2022	0.60
13-June-2022	0.61
14-June-2022	0.23
20-June-2022	0.12
21-June-2022	0.03
27-June-2022	0.02
28-June-2022	
Standard	04 (1 Hour)

Table:450
Area: Talcher

Project	Nandira
Monitoring Station	Near Natedi Village (Reported Only)
Date of sampling	Carbon Monoxide(CO)
	mg/m ³
06-May-2022	1.03
07-May-2022	0.64
12-May-2022	0.67
13-May-2022	0.58
20-May-2022	0.57
21-May-2022	0.58
26-May-2022	0.48
27-May-2022	1.16
Standard	04 (1 Hour)

Table:451
Area: Talcher

Project	Nandira
Monitoring Station	Near Natedi Village (Reported Only)
Date of sampling	Carbon Monoxide(CO)
	mg/m ³
03-June-2022	1.06
04-June-2022	0.61
10-June-2022	0.68
11-June-2022	0.53
17-June-2022	0.57
18-June-2022	0.55
24-June-2022	0.47
25-June-2022	1.16
Standard	04 (1 Hour)

SECTION 9: WATER ANALYSIS REPORT

9.1: CONCEPT & SCOPE

The Water quality of the project area plays an important role on the socio economy of the Project. The higher concentrations of the water pollutants have serious impacts on the environment. Hence, it becomes important to assess the water quality periodically in the project vicinity.

Keeping this in the mind, different types of water samples viz, Drinking Water Sample from village wells, Surface Water Sample from Brahmani River & its tributaries (Up-Stream & Down-Stream), Ponds and Effluent water sample from CHP/workshops, mine sump water & domestic effluent treatment plants were collected. Well water level was measured quarterly. Qualitative & quantitative analysis of samples from piezometers was also done.

The quality of drinking water samples were compared with respect to IS 10500:2012 specification & the surface water quality was compared with respect to IS 2296: 1982 Class-C and found that the concentration of the target analysts are within the prescribed limits.

Bacterial examination was also carried out to find out the Coliform contamination at water sources.



Figure 9. Water sampling at Mine Sump



Figure 10. Water sampling at Village



Figure 11. Water sampling at Reservoir



Figure 12. Water sampling at Village



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9.2: ANALYTICAL RESULTS

9.2.1 EFFLUENT WATER ANALYTICAL RESULTS

Table:452

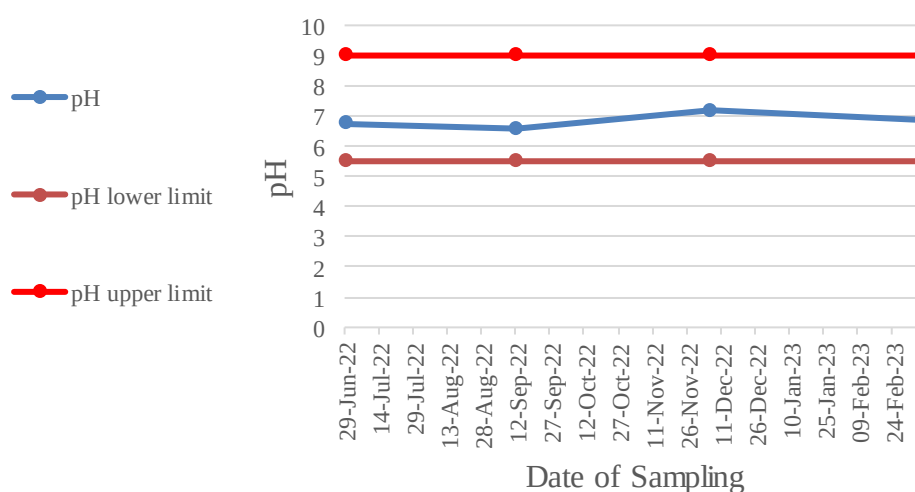
Area: Jagannath

Project: Ananta OCP

Monitoring Station: O & G Trap Inlet

Date of Sampling	pH	Oil & Grease	TSS	COD
29-Jun-22	6.76	<4.0	84	48
12-Sep-22	6.58	<4.0	40	36
06-Dec-22	7.19	<4.0	46	36
09-Mar-23	6.85	<4.0	46	40
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD
	5.5-9.0	10	100	250

Graph showing for pH O&G Trap Inlet



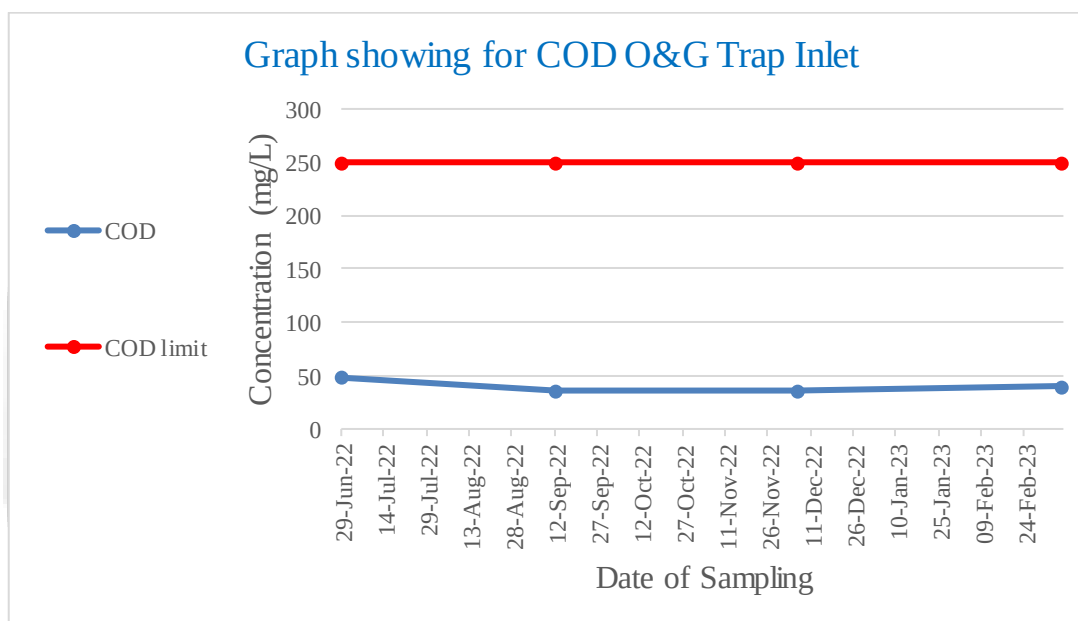
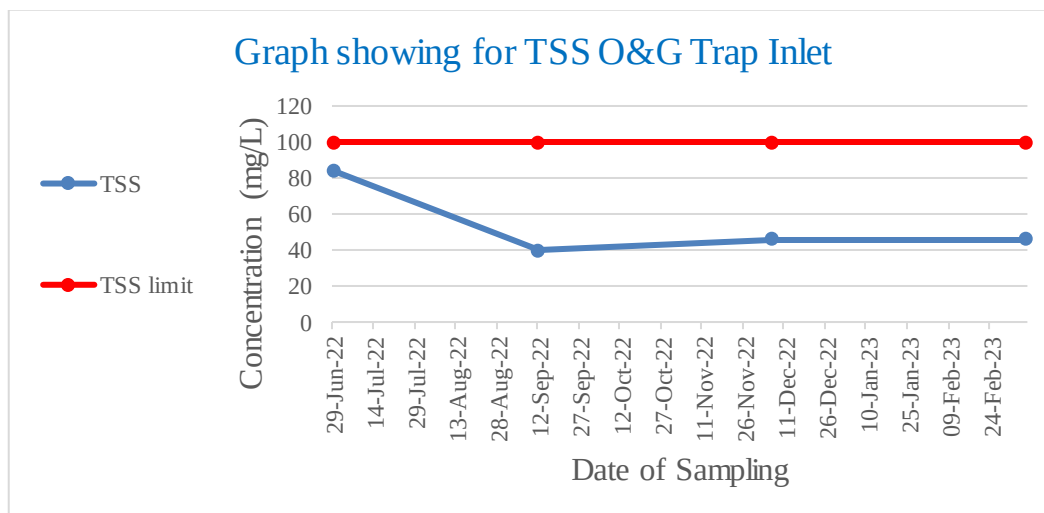


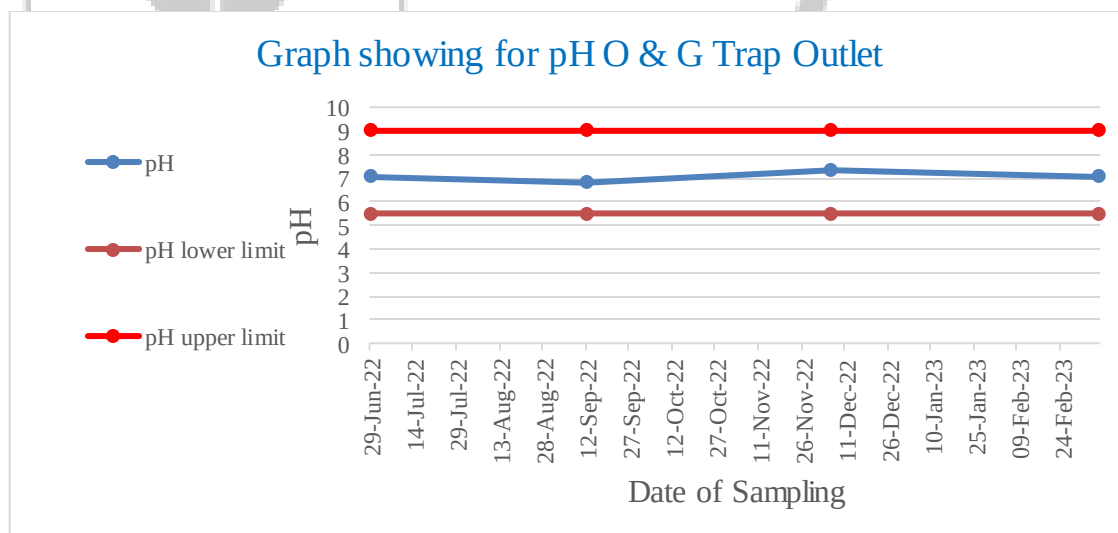
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Area: Jagannath

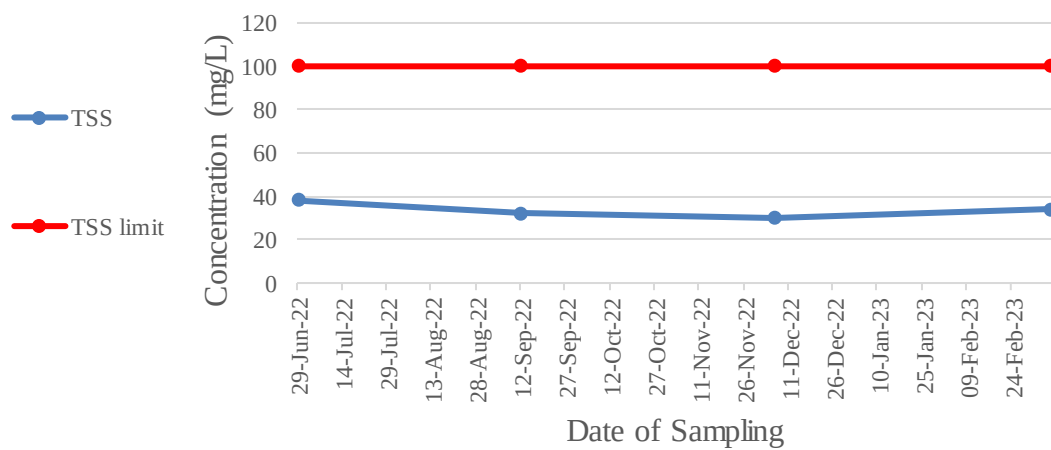
Project: Ananta OCP

Monitoring Station: O & G Trap Outlet

Date of Sampling	pH	Oil & Grease	TSS	COD
29-Jun-22	7.07	<4.0	38	32
12-Sep-22	6.8	<4.0	32	24
06-Dec-22	7.33	<4.0	30	24
09-Mar-23	7.06	<4.0	34	32
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD
	5.5-9.0	10	100	250



Graph showing for TSS O & G Trap Outlet



Graph showing for COD O&G Trap Outlet

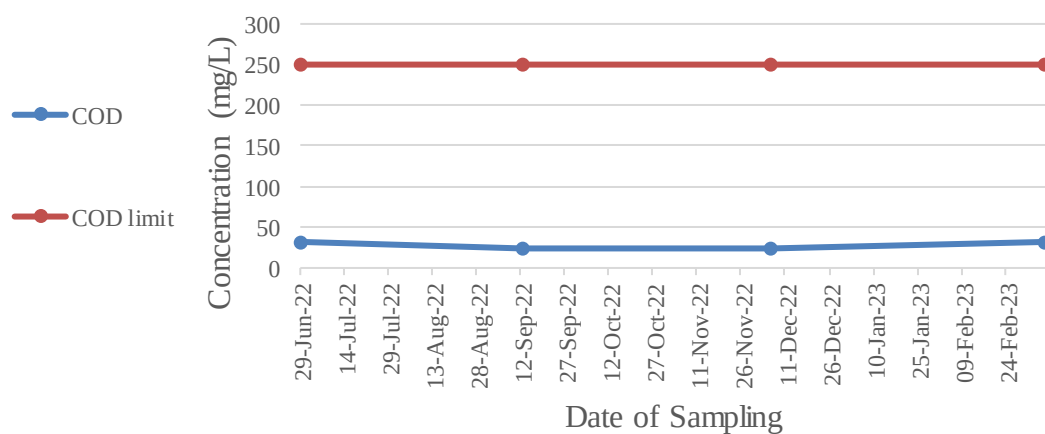


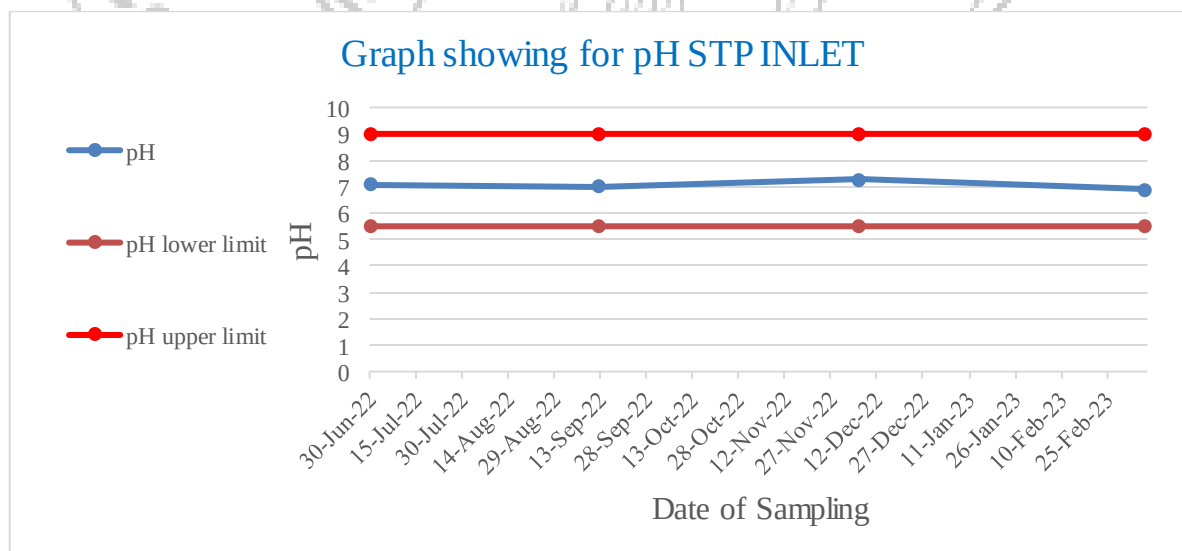
Table:454

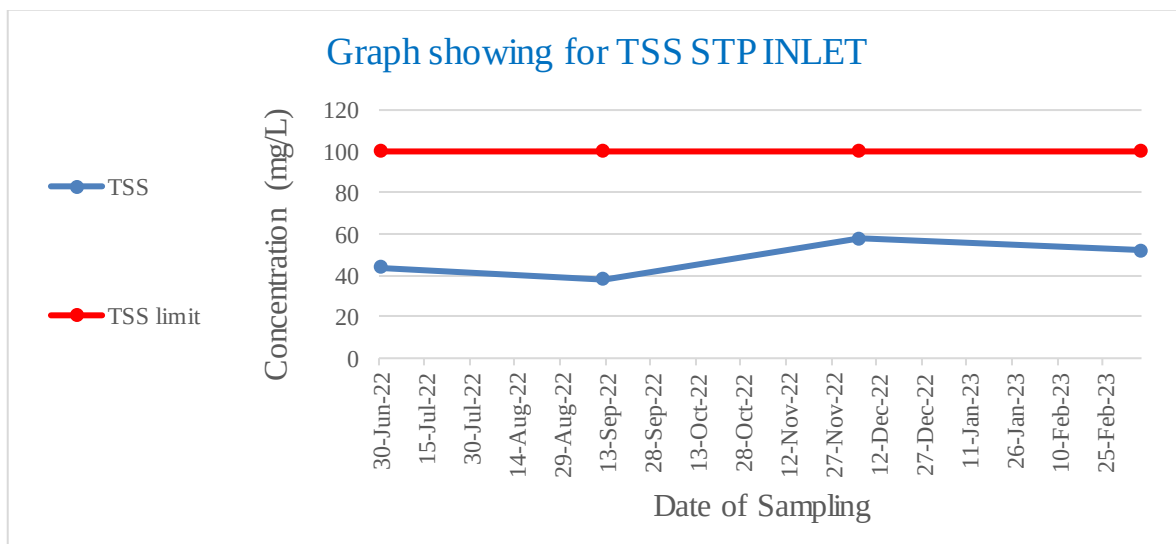
Area: Jagannath

Project: Ananta OCP

Monitoring Station: STP INLET

Date of Sampling	pH	TSS	BOD
30-Jun-22	7.1	44	<2
12-Sep-22	7.02	38	<2
06-Dec-22	7.29	58	<2
09-Mar-23	6.91	52	<2
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	TSS	BOD
	5.5-9.0	100	30





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Table:455

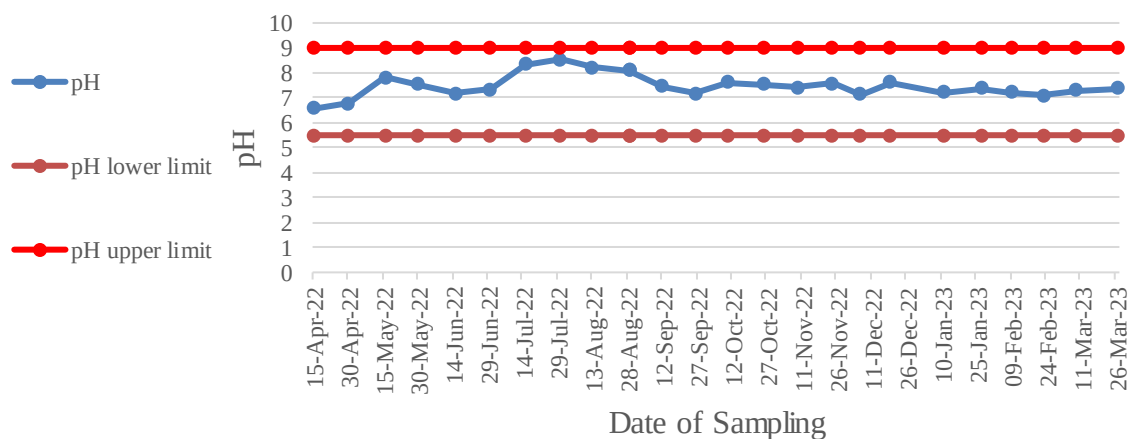
Area: Jagannath

Project: Ananta OCP

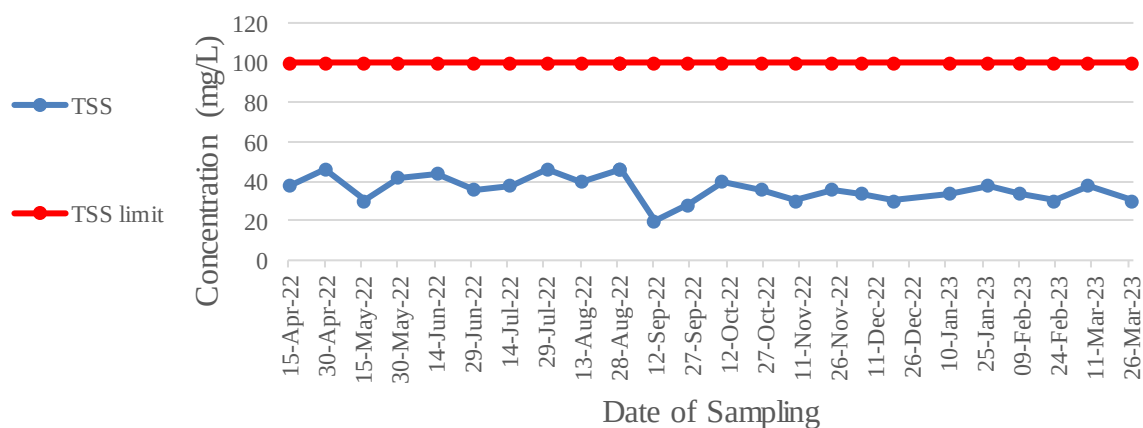
Monitoring Station: STP OUTLET

Date of Sampling	pH	TSS	BOD
15-Apr-22	6.56	38	<2
30-Apr-22	6.79	46	<2
16-May-22	7.81	30	<2
30-May-22	7.52	42	<2
15-Jun-22	7.17	44	<2
30-Jun-22	7.33	36	<2
15-Jul-22	8.33	38	<2
30-Jul-22	8.55	46	<2
13-Aug-22	8.23	40	<2
29-Aug-22	8.11	46	<2
29-Aug-22	8.11	46	<2
12-Sep-22	7.44	20	<2
26-Sep-22	7.16	28	<2
10-Oct-22	7.62	40	<2
26-Oct-22	7.53	36	<2
09-Nov-22	7.43	30	<2
24-Nov-22	7.59	36	<2
06-Dec-22	7.15	34	<2
19-Dec-22	7.61	30	<2
11-Jan-23	7.21	34	<2
27-Jan-23	7.39	38	<2
09-Feb-23	7.21	34	<2
23-Feb-23	7.1	30	<2
09-Mar-23	7.28	38	<2
27-Mar-23	7.39	30	<2
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	TSS	BOD
	5.5-9.0	100	30

Graph showing for pH STP OUTLET



Graph showing for TSS STP OUTLET



Graph showing for BOD STP OUTLET

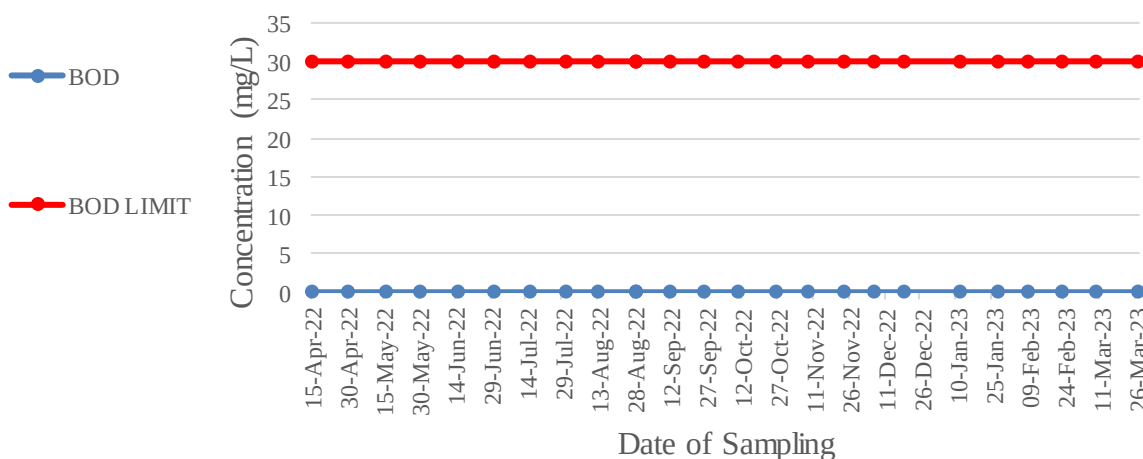
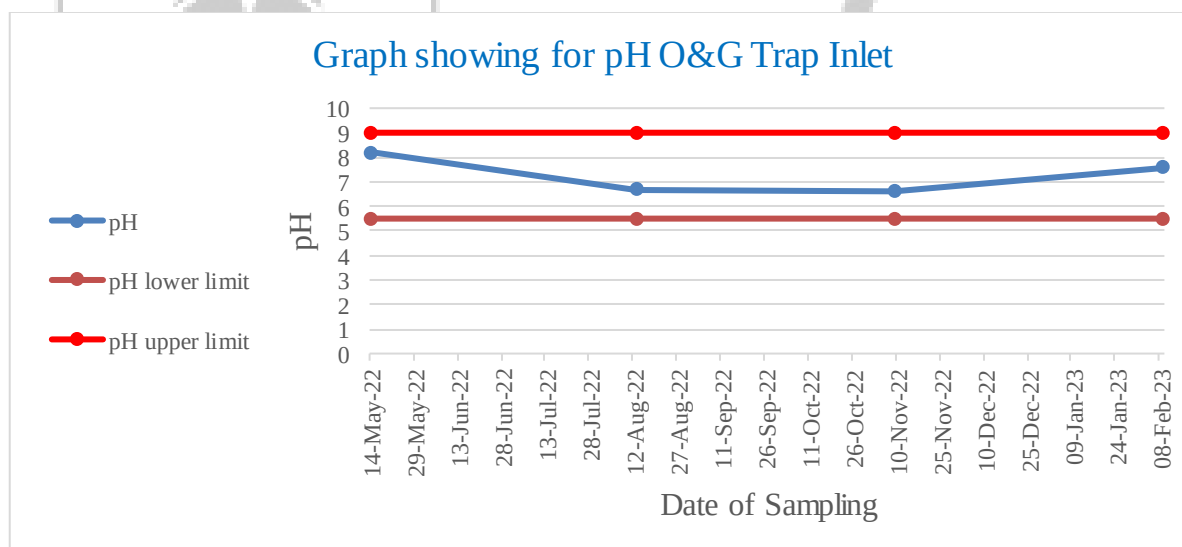


Table:456
Area: Jagannath
Project: Jagannath OCP
Monitoring Station: O & G Trap Inlet

Date of Sampling	pH	Oil & Grease	TSS	COD
14-May-22	8.21	<4.0	46	36
13-Aug-22	6.67	<4.0	44	40
09-Nov-22	6.61	<4.0	48	36
09-Feb-23	7.59	<4.0	44	32
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD
	5.5-9.0	10	100	250



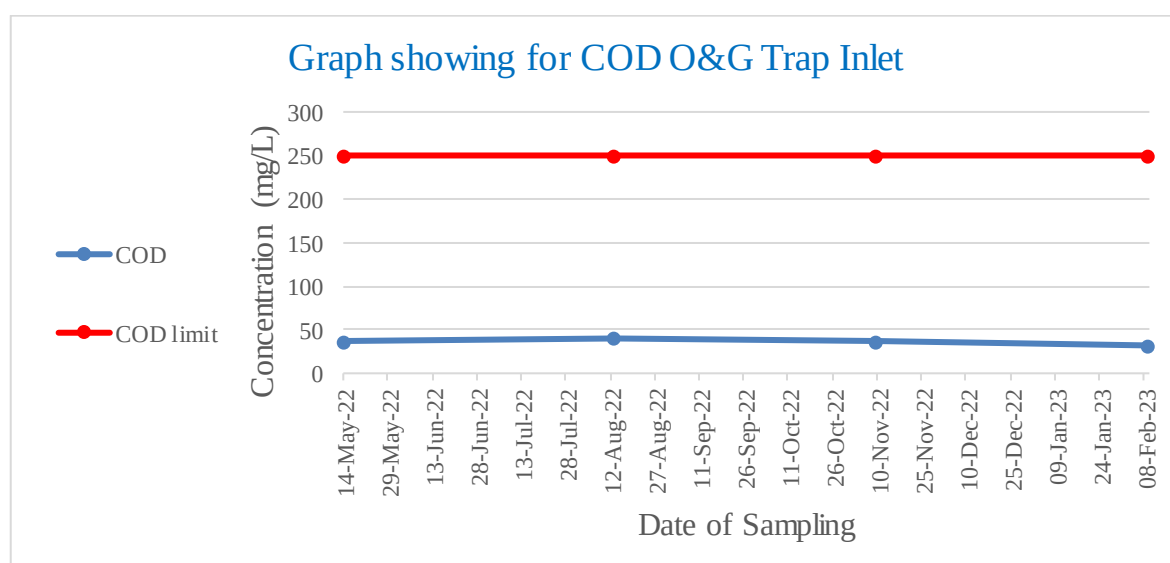
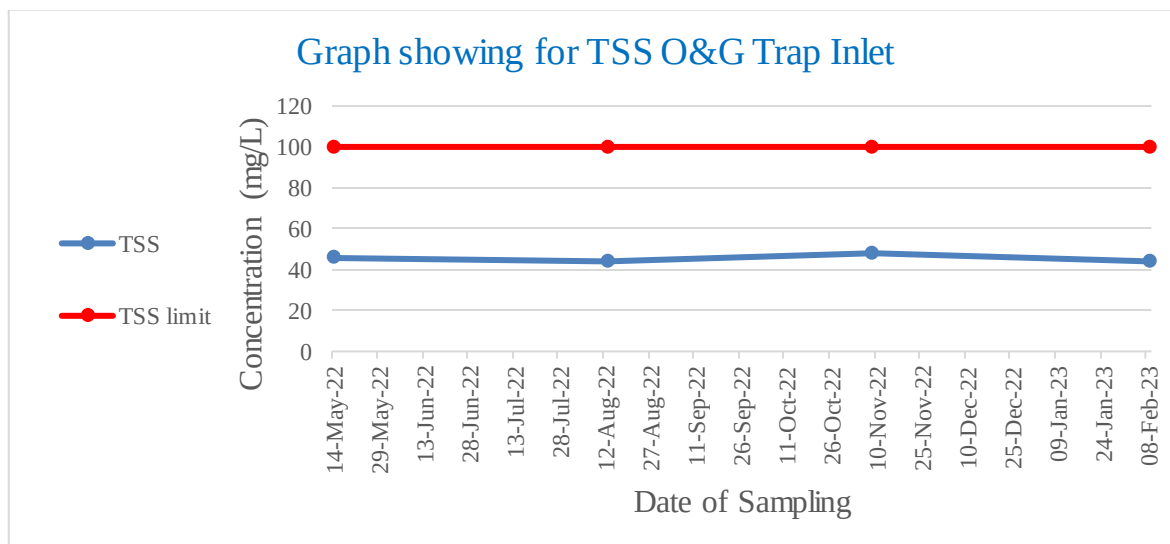


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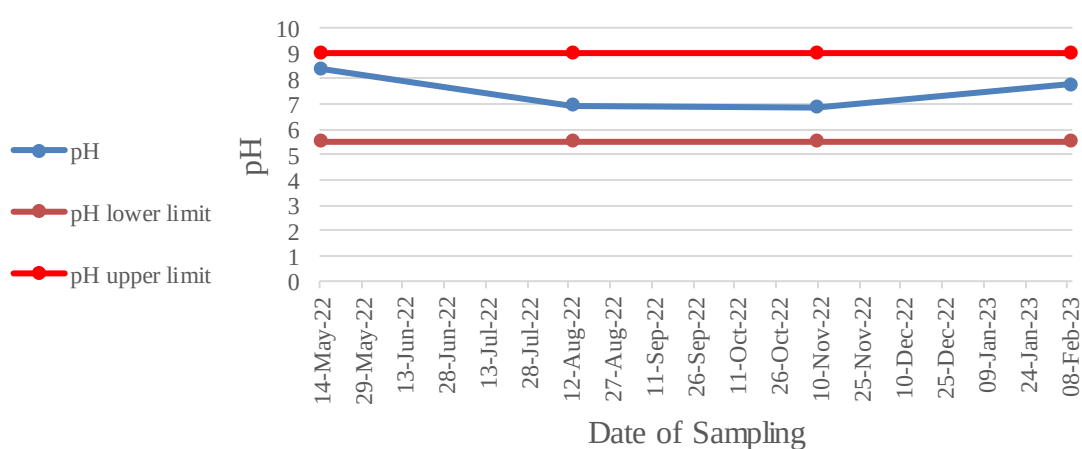
Area: Jagannath

Project: Jagannath OCP

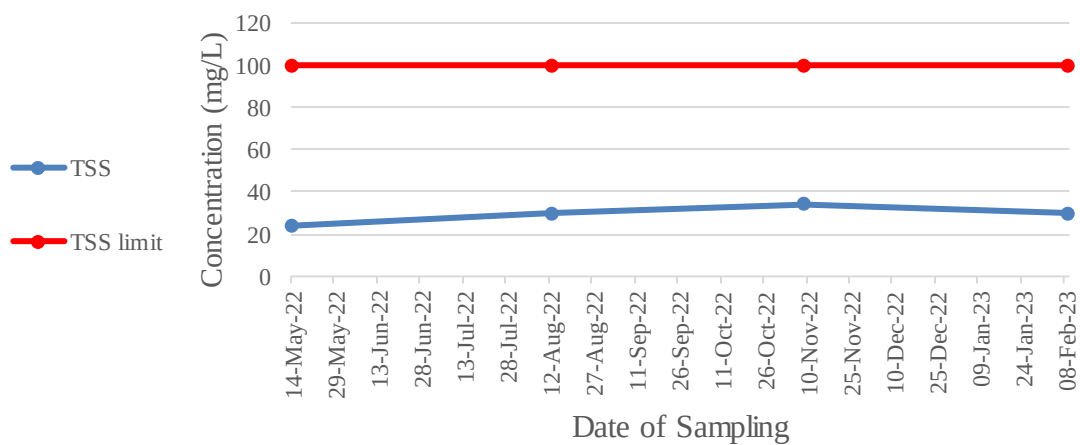
Monitoring Station: O & G Trap Outlet

Date of Sampling	pH	Oil & Grease	TSS	COD
14-May-22	8.38	<4.0	24	16
13-Aug-22	6.93	<4.0	30	32
09-Nov-22	6.85	<4.0	34	24
09-Feb-23	7.76	<4.0	30	24
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD
	5.5-9.0	10	100	250

Graph showing for pH O & G Trap Outlet



Graph showing for TSS O&G Trap Outlet



Graph showing for COD O&G Trap Outlet

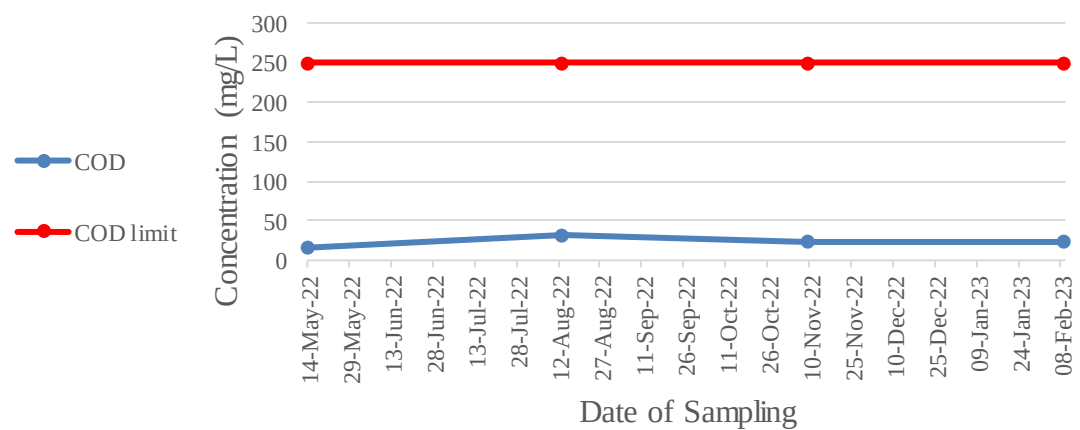
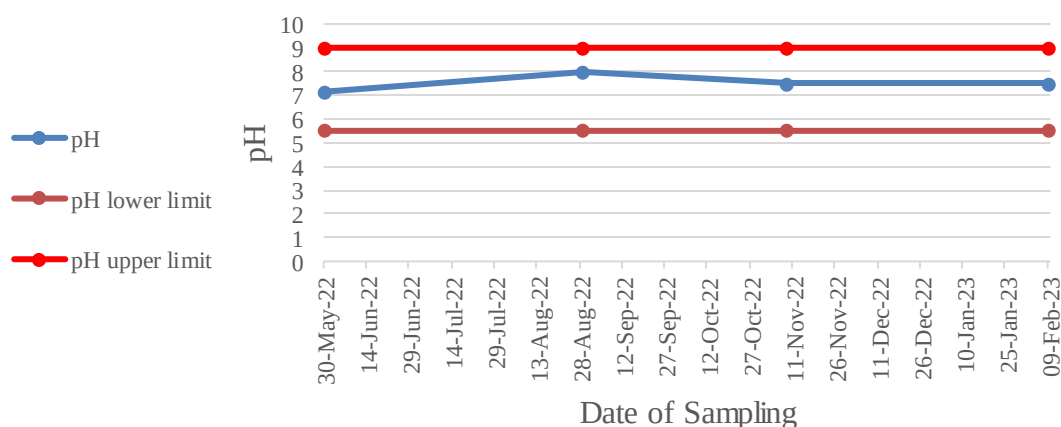


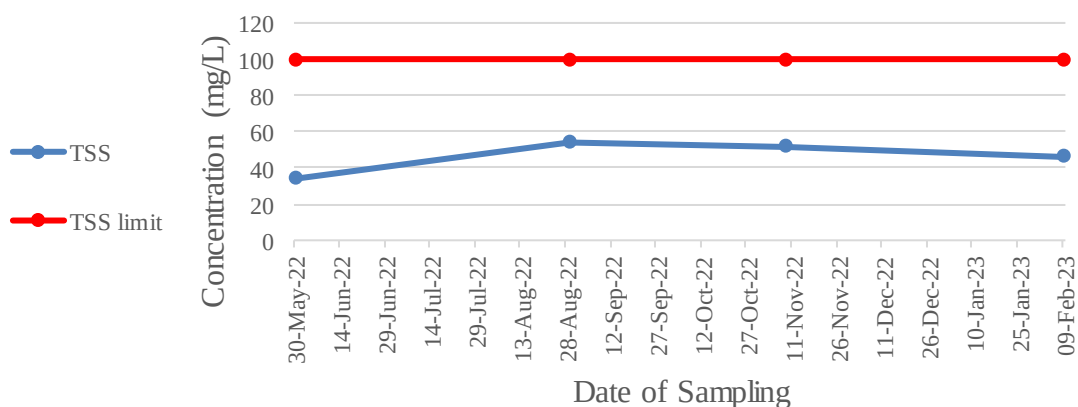
Table:458
Area: Jagannath
Project: Jagannath OCP
Monitoring Station: STP INLET

Date of Sampling	pH	TSS	BOD
30-May-22	7.15	34	<2
29-Aug-22	7.98	54	<2
09-Nov-22	7.51	52	<2
09-Feb-23	7.49	46	<2
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	TSS	BOD
	5.5-9.0	100	30

Graph showing for pH STP INLET



Graph showing for TSS STP INLET



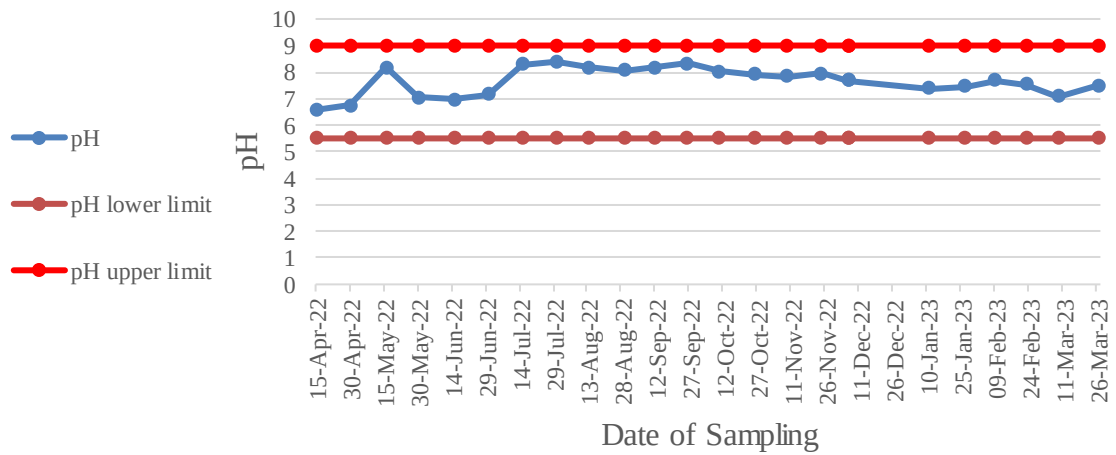


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Table:459
Area: Jagannath
Project: Jagannath OCP
Monitoring Station: STP OUTLET

Date of Sampling	pH	TSS	BOD
15-Apr-22	6.58	34	<2
30-Apr-22	6.73	40	<2
16-May-22	8.17	22	<2
30-May-22	7.04	30	<2
15-Jun-22	6.95	40	<2
30-Jun-22	7.14	30	<2
15-Jul-22	8.28	34	<2
30-Jul-22	8.39	40	<2
13-Aug-22	8.19	36	<2
29-Aug-22	8.06	42	<2
12-Sep-22	8.19	34	<2
26-Sep-22	8.31	42	<2
10-Oct-22	8.03	38	<2
26-Oct-22	7.91	44	<2
09-Nov-22	7.82	36	<2
24-Nov-22	7.96	30	<2
06-Dec-22	7.7	36	<2
06-Dec-22	7.7	36	<2
11-Jan-23	7.39	32	<2
27-Jan-23	7.45	28	<2
09-Feb-23	7.69	32	<2
23-Feb-23	7.55	38	<2
09-Mar-23	7.08	32	<2
27-Mar-23	7.48	28	<2
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	TSS	BOD
	5.5-9.0	100	30

Graph showing for pH STP OUTLET



Graph showing for TSS STP OUTLET

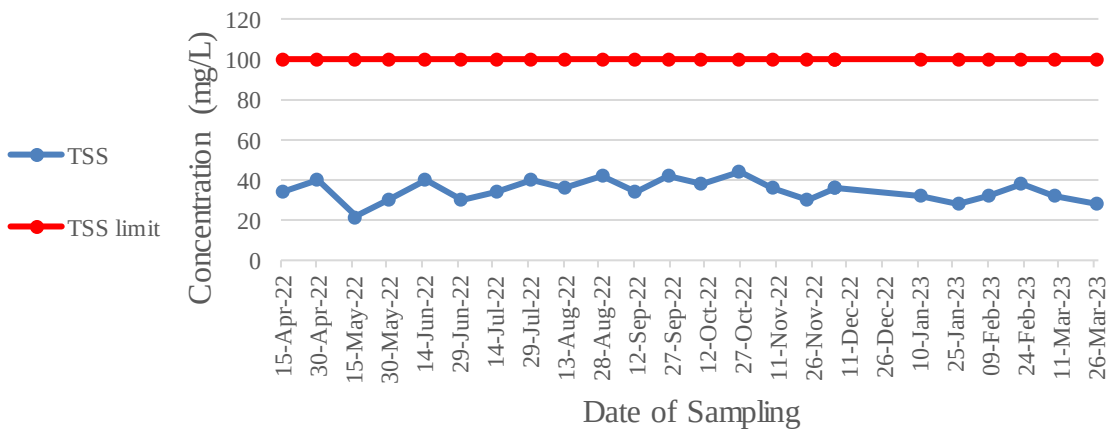


Table:460
Area: Bharatpur
Project: Bharatpur OCP
Monitoring Station: Mine Sump Water - Main Sump

Date of Sampling	pH
16-Apr-22	6.81
30-May-22	7.09
14-Jun-22	6.95
15-Jul-22	7.92
29-Aug-22	7.79
12-Sep-22	7.93
10-Oct-22	7.98
10-Nov-22	7.86
06-Dec-22	7.78
11-Jan-23	7.44
10-Feb-23	7.23
10-Mar-23	7.29
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH
	5.5-9.0

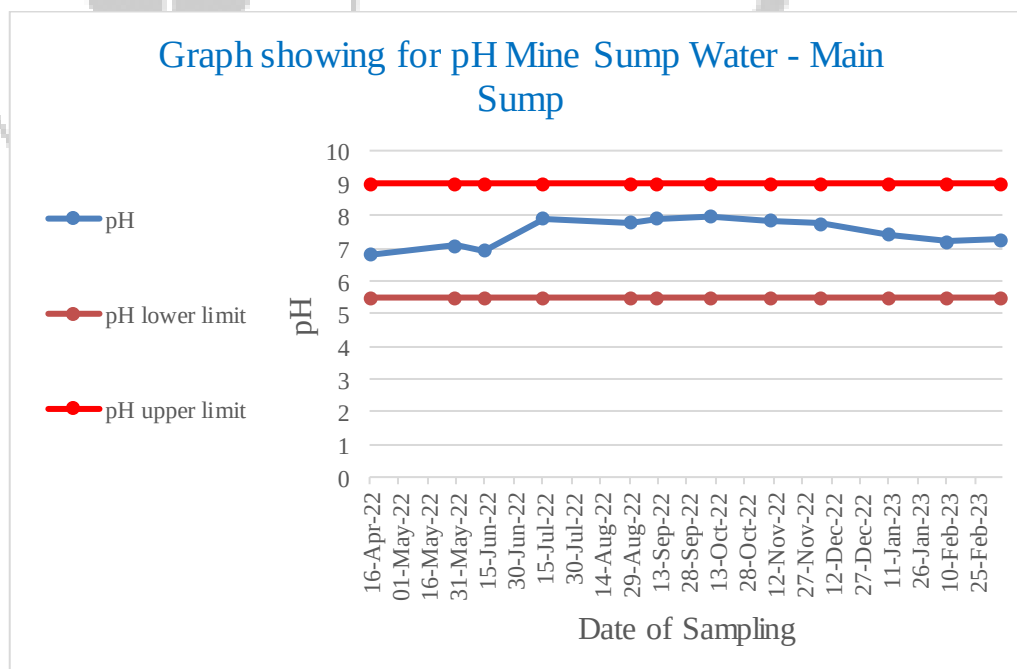


Table:461
Area: Bharatpur
Project: Bharatpur OCP
Monitoring Station: Mine Sump Water - Old Quarry Sump

Date of Sampling	pH
16-Apr-22	6.82
30-May-22	7.03
14-Jun-22	6.98
15-Jul-22	7.84
29-Aug-22	7.61
12-Sep-22	7.78
10-Oct-22	7.69
10-Nov-22	7.81
06-Dec-22	7.7
11-Jan-23	7.37
10-Feb-23	7.19
10-Mar-23	7.14
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH
	5.5-9.0

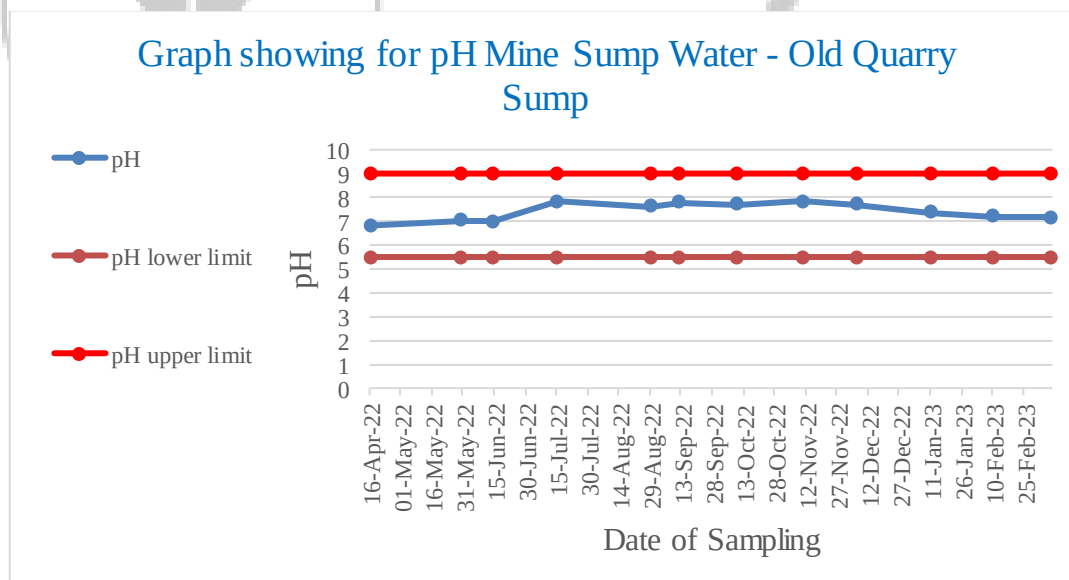


Table:462
Area: Bharatpur
Project: Bharatpur OCP
Monitoring Station: Mine Sump Water - South Quarry Sump

Date of Sampling	pH
16-Apr-22	6.77
30-May-22	7.13
14-Jun-22	6.91
15-Jul-22	7.35
29-Aug-22	8.04
12-Sep-22	8.12
10-Oct-22	8.05
10-Nov-22	8.01
06-Dec-22	7.89
11-Jan-23	7.53
10-Feb-23	7.29
10-Mar-23	7.17
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH
	5.5-9.0

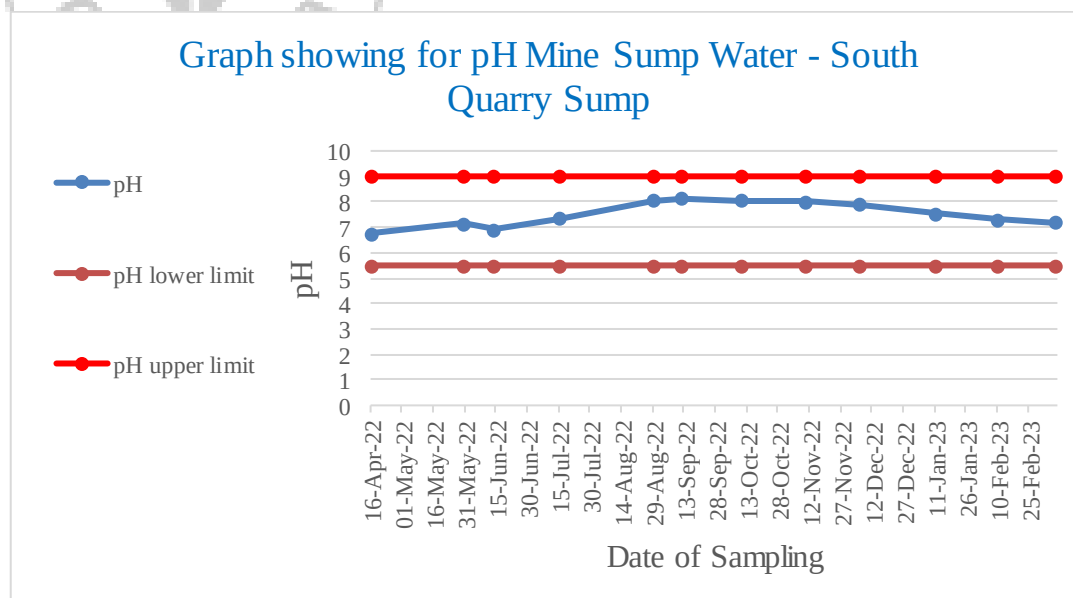


Table:463

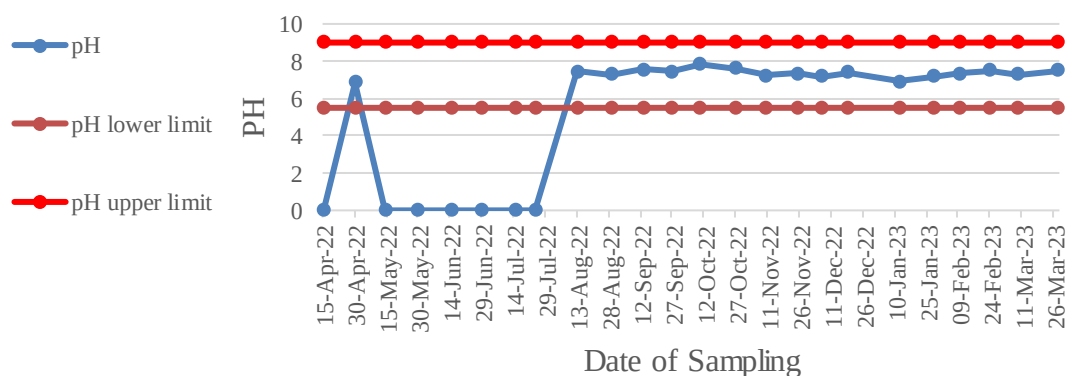
Area: Bharatpur

Project: Bharatpur OCP

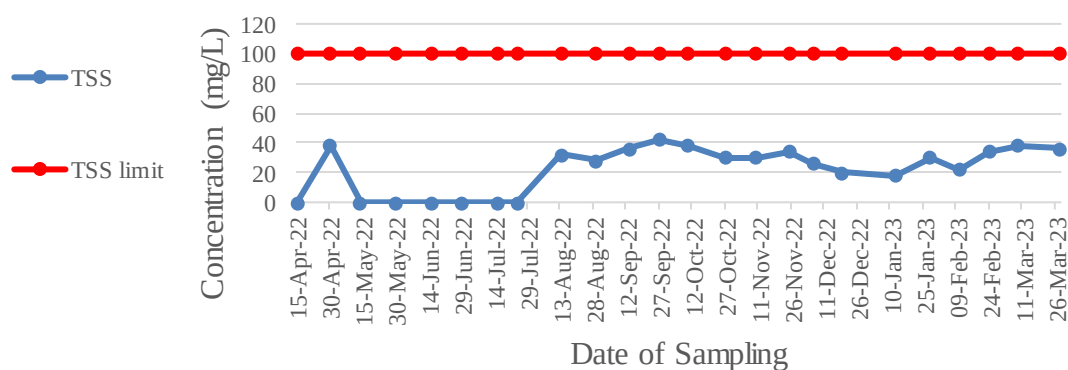
Monitoring Station: STP Outlet (pH,TSS,Faecal Coliform,MPN,BOD,COD and O&G)

Date of Sampling	pH	Oil & Grease	TSS	COD	BOD	MPN
15-Apr-22	Maintenance					
30-Apr-22	6.86	<4.0	38	32	3.8	
14-May-22	No Discharge					
30-May-22	No Discharge					
15-Jun-22	Maintenance					
29-Jun-22	Maintenance					
15-Jul-22	Maintenance					
24-Jul-22	Maintenance					
13-Aug-22	7.47	<4.0	32	20	<2	8.2
29-Aug-22	7.29	<4.0	28	16	<2	8.3
13-Sep-22	7.53	<4.0	36	24	<2	4
27-Sep-22	7.47	<4.0	42	36	<2	5.8
10-Oct-22	7.83	<4.0	38	28	<2	18
27-Oct-22	7.61	<4.0	30	32	<2	11
10-Nov-22	7.25	<4.0	30	36	<2	11
25-Nov-22	7.35	<4.0	34	24	<2	11
06-Dec-22	7.19	<4.0	26	24	<2	11
19-Dec-22	7.37	<4.0	20	28	<2	6.3
12-Jan-23	6.89	<4.0	18	12	<2	5.8
28-Jan-23	7.17	<4.0	30	20	<2	6.5
10-Feb-23	7.33	<4.0	22	16	<2	18
24-Feb-23	7.49	<4.0	34	16	<2	18
09-Mar-23	7.28	<4.0	38	16	<2	18
28-Mar-23	7.51	<4.0	36	28	<2	18
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD	BOD	
	5.5-9.0	10	100	250	30	

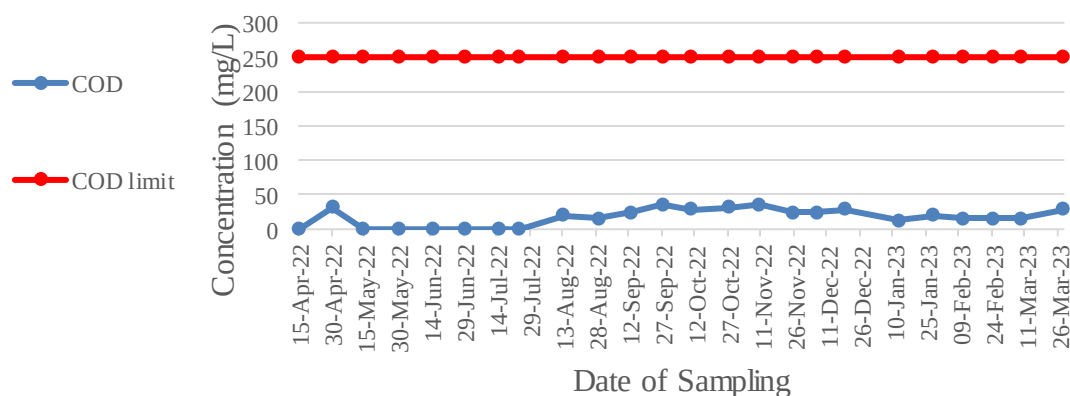
Graph showing for pH STP Outlet (PH,TSS,Faecal Coliform,MPN,BOD,COD and O&G)



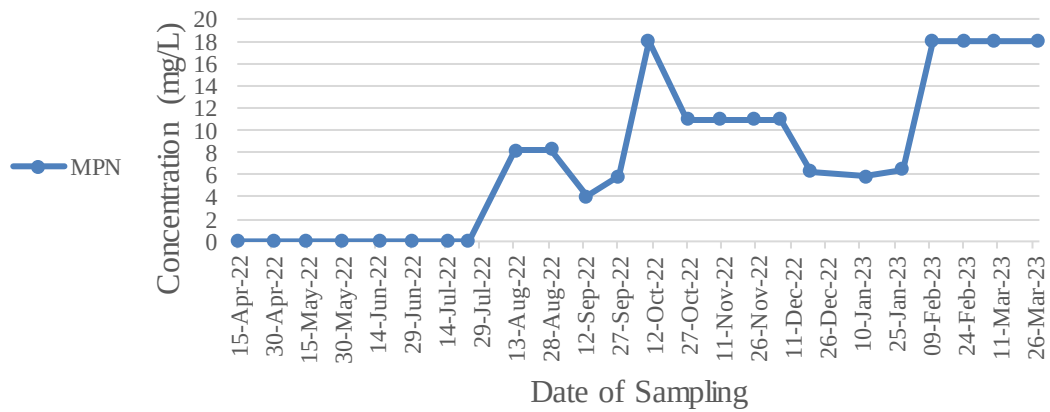
Graph showing for TSS STP Outlet (PH,TSS,Faecal Coliform,MPN,BOD,COD and O&G)



Graph showing for COD STP Outlet (PH,TSS,Faecal Coliform,MPN,BOD,COD and O&G)



Graph showing for MPN STP Outlet (PH,TSS,Faecal Coliform,MPN,BOD,COD and O&G)

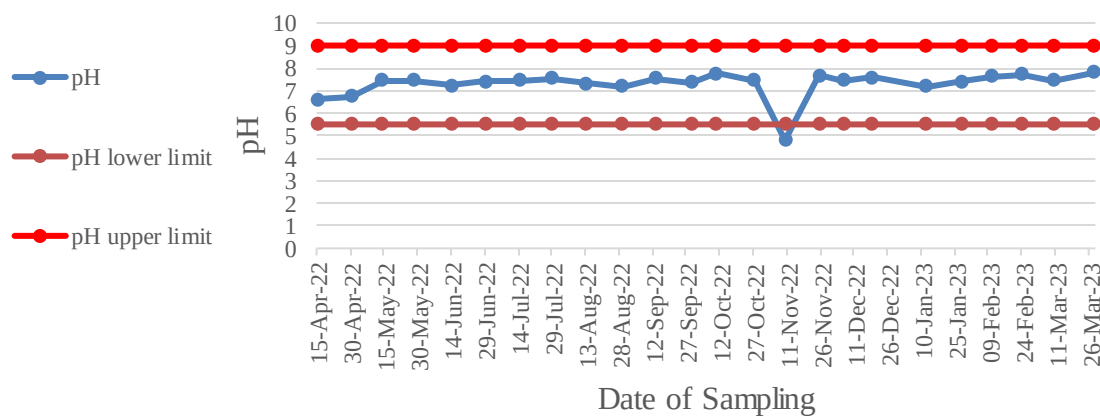


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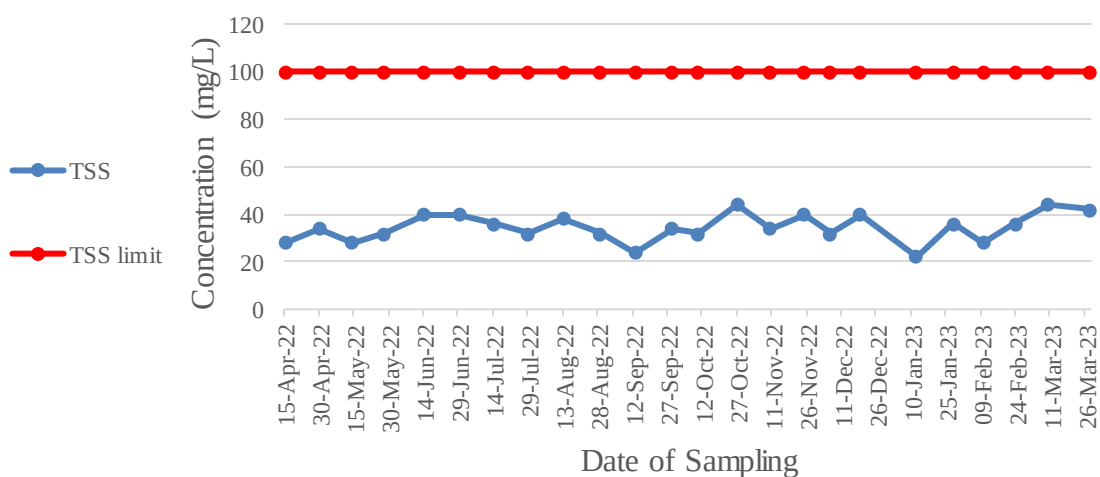
Table:464
Area: Bharatpur
Project: Bharatpur OCP
Monitoring Station:

Date of Sampling	pH	Oil & Grease	TSS	COD
15-Apr-22	6.59	<4.0	28	16
30-Apr-22	6.72	<4.0	34	24
14-May-22	7.46	<4.0	28	16
28-May-22	7.46	<4.0	32	28
14-Jun-22	7.24	<4.0	40	44
29-Jun-22	7.39	<4.0	40	32
14-Jul-22	7.45	<4.0	36	24
29-Jul-22	7.55	<4.0	32	20
13-Aug-22	7.33	<4.0	38	28
29-Aug-22	7.17	<4.0	32	24
13-Sep-22	7.54	<4.0	24	16
29-Sep-22	7.37	<4.0	34	24
10-Oct-22	7.78	<4.0	32	40
27-Oct-22	7.47	<4.0	44	32
10-Nov-22	4.79	<4.0	34	32
25-Nov-22	7.65	<4.0	40	44
06-Dec-22	7.43	<4.0	32	36
19-Dec-22	7.57	<4.0	40	36
12-Jan-23	7.18	<4.0	22	16
28-Jan-23	7.41	<4.0	36	24
10-Feb-23	7.62	<4.0	28	20
24-Feb-23	7.73	<4.0	36	24
10-Mar-23	7.47	<4.0	44	28
28-Mar-23	7.79	<4.0	42	32
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD
	5.5-9.0	10	100	250

Graph showing for pH Workshop ETP Clear Water Tank



Graph showing for TSS Workshop ETP Clear Water Tank



Graph showing for COD Workshop ETP Clear Water Tank

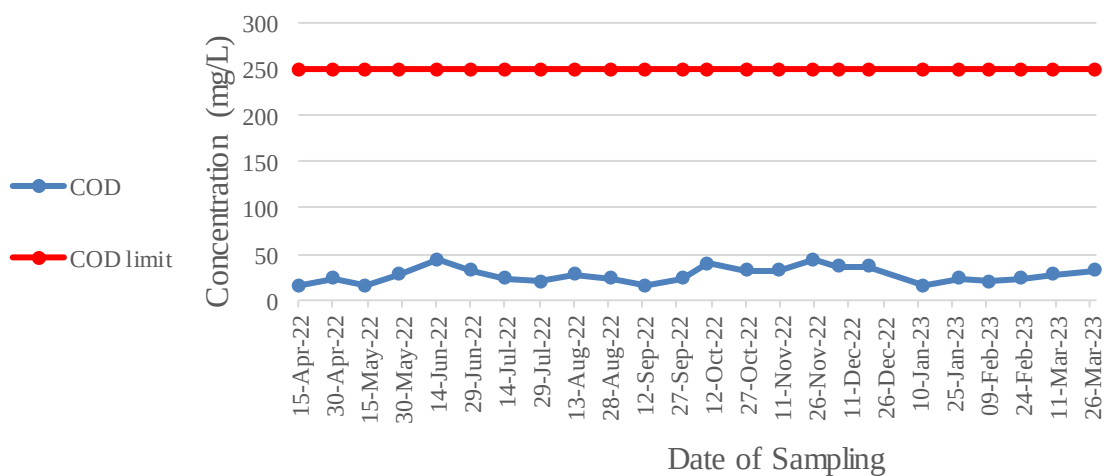


Table:465

Area: Bharatpur
Project: Bharatpur OCP
Monitoring Station: STP Intlet (PH,TSS, BOD, COD)

Date of Sampling	pH	Oil & Grease	TSS	COD	BOD	Remarks
10-Oct-22	7.47	<4.0	62	44	<2	
14-Jun-22	Maintenance					

Table:466

Area: Bharatpur
Project: Bharatpur OCP
Monitoring Station: Workshop Inlet

Date of Sampling	pH	Oil & Grease	TSS	COD
14-May-22	7.83	<4.0	38	28
10-Nov-22	7.31	<4.0	26	20



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Table:467

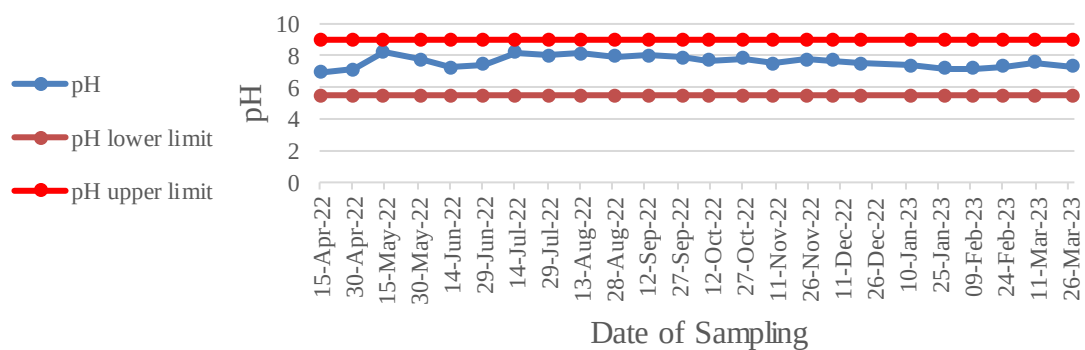
Area: Lingaraj

Project: Lingaraj OCP

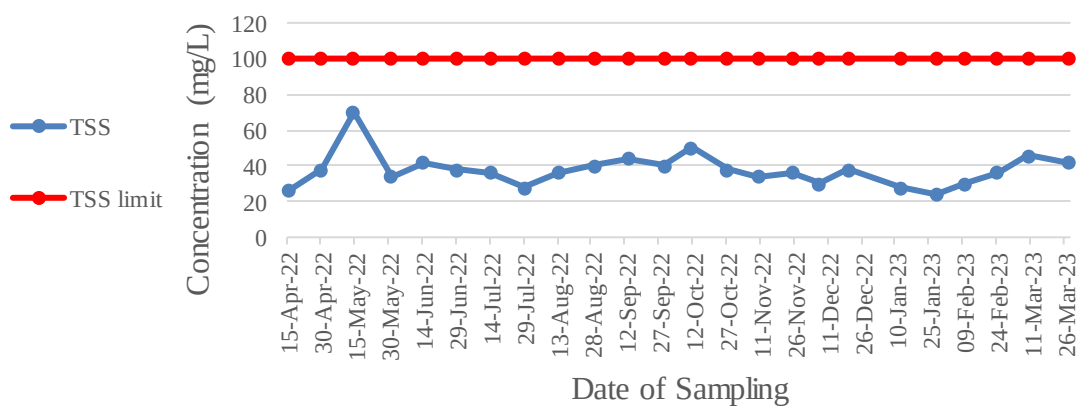
Monitoring Station: Clear Water Reservoir of ETP Near Dumper Parking

Date of Sampling	pH	Oil & Grease	TSS	COD
15-Apr-22	6.93	<4.0	26	24
30-Apr-22	7.12	<4.0	38	36
14-May-22	8.23	<4.0	70	64
31-May-22	7.73	<4.0	34	32
14-Jun-22	7.22	<4.0	42	36
29-Jun-22	7.41	<4.0	38	28
14-Jul-22	8.2	<4.0	36	24
29-Jul-22	8.02	<4.0	28	32
13-Aug-22	8.15	<4.0	36	24
29-Aug-22	7.93	<4.0	40	24
13-Sep-22	7.98	<4.0	44	32
29-Sep-22	7.89	<4.0	40	24
11-Oct-22	7.71	<4.0	50	40
27-Oct-22	7.83	<4.0	38	40
10-Nov-22	7.49	<4.0	34	32
25-Nov-22	7.73	<4.0	36	28
07-Dec-22	7.67	<4.0	30	32
20-Dec-22	7.49	<4.0	38	44
12-Jan-23	7.36	<4.0	28	24
28-Jan-23	7.21	<4.0	24	28
10-Feb-23	7.17	<4.0	30	24
24-Feb-23	7.29	<4.0	36	20
10-Mar-23	7.59	<4.0	46	28
28-Mar-23	7.31	<4.0	42	40
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD
	5.5-9.0	10	100	250

Graph showing for pH Clear Water Reservoir of ETP Near Dumper Parking



Graph showing for TSS Clear Water Reservoir of ETP Near Dumper Parking



Graph showing for COD Clear Water Reservoir of ETP Near Dumper Parking

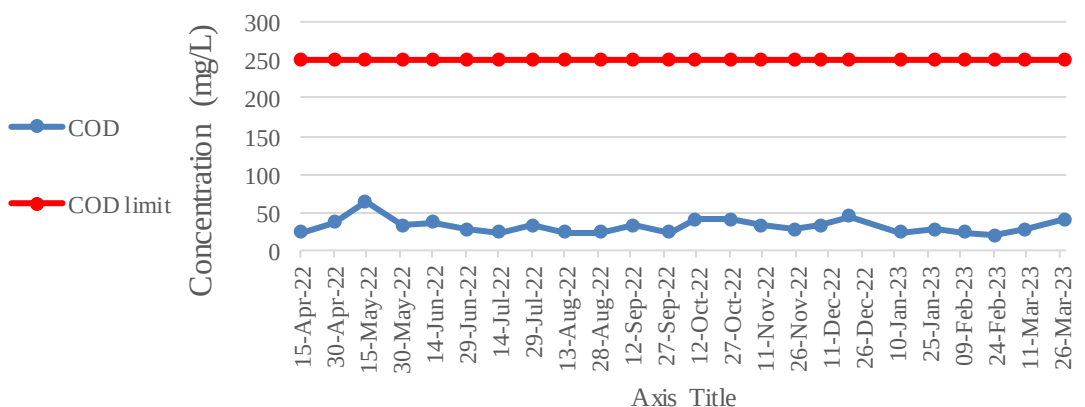
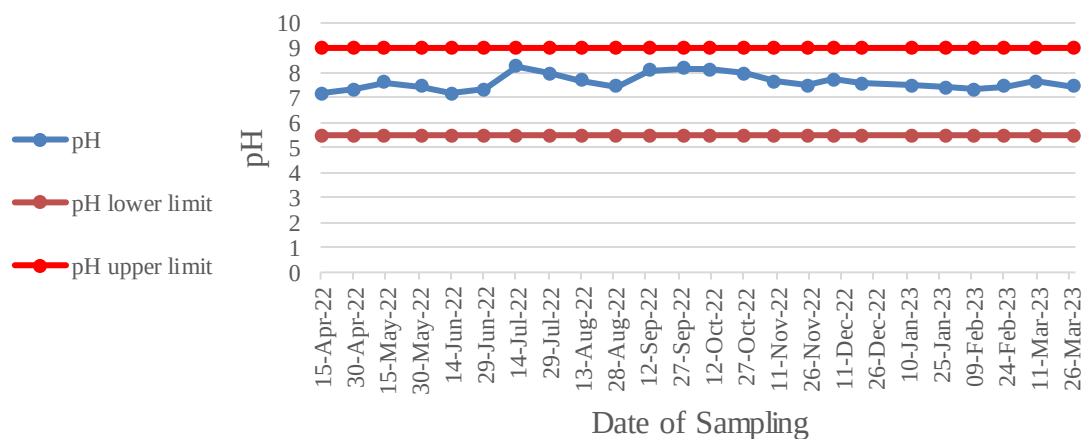


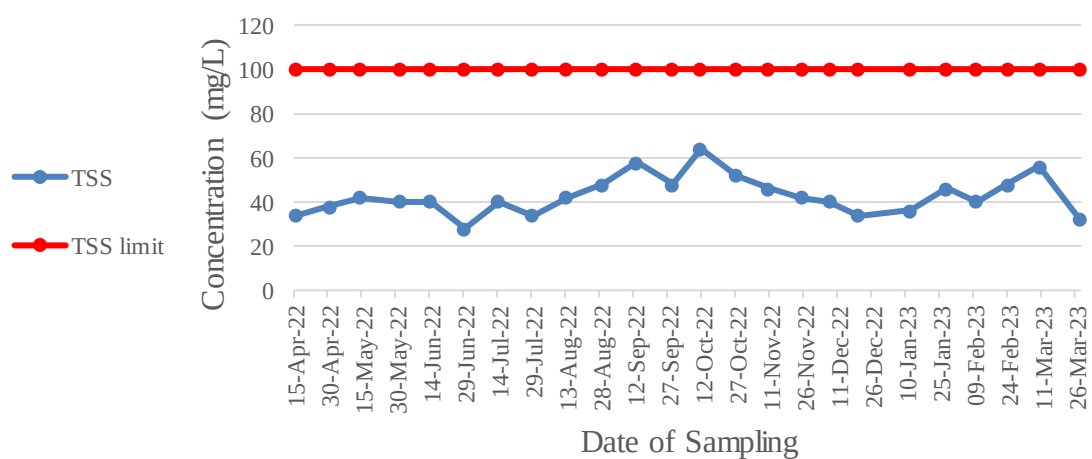
Table:468
Area: Lingaraj
Project: Lingaraj OCP
Monitoring Station: Filter Outlet of Workshop ETP

Date of Sampling	pH	Oil & Grease	TSS	COD
15-Apr-22	7.19	<4.0	34	20
30-Apr-22	7.33	<4.0	38	24
14-May-22	7.62	<4.0	42	36
31-May-22	7.47	<4.0	40	28
14-Jun-22	7.19	<4.0	40	32
29-Jun-22	7.32	<4.0	28	24
14-Jul-22	8.25	<4.0	40	32
29-Jul-22	7.96	<4.0	34	28
13-Aug-22	7.68	<4.0	42	32
29-Aug-22	7.44	<4.0	48	32
13-Sep-22	8.08	<4.0	58	44
29-Sep-22	8.19	<4.0	48	32
11-Oct-22	8.14	<4.0	64	32
27-Oct-22	7.97	<4.0	52	36
10-Nov-22	7.67	<4.0	46	40
25-Nov-22	7.51	<4.0	42	40
07-Dec-22	7.73	<4.0	40	36
20-Dec-22	7.59	<4.0	34	36
12-Jan-23	7.49	<4.0	36	32
28-Jan-23	7.41	<4.0	46	44
10-Feb-23	7.32	<4.0	40	44
24-Feb-23	7.47	<4.0	48	28
10-Mar-23	7.67	<4.0	56	32
28-Mar-23	7.47	<4.0	32	36
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD
	5.5-9.0	10	100	250

Graph showing for pH Filter Outlet of Workshop ETP



Graph showing for TSS Filter Outlet of Workshop ETP



Graph showing for COD Filter Outlet of Workshop ETP

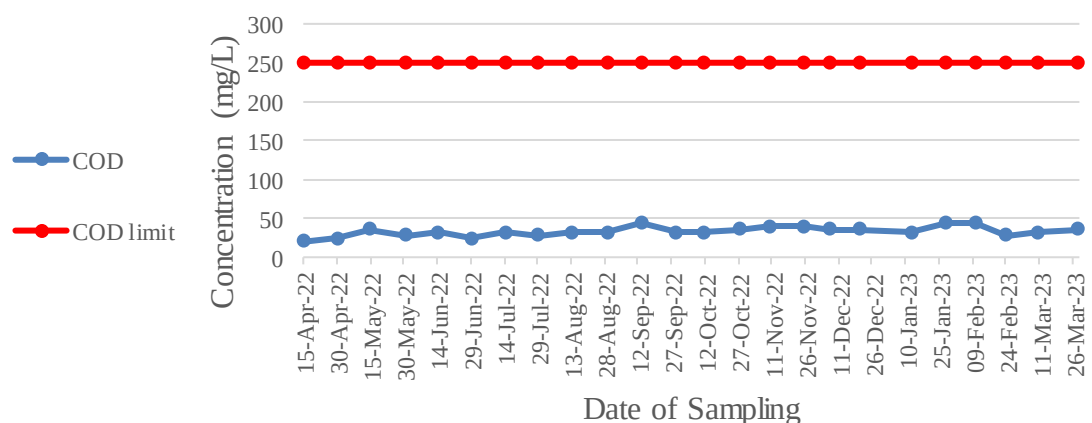


Table:469
Area: Lingaraj
Project: Lingaraj OCP
Monitoring Station: Mine Sump Water

Date of Sampling	pH
14-May-22	8.44
29-Aug-22	7.33
10-Nov-22	7.69
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH 5.5-9.0

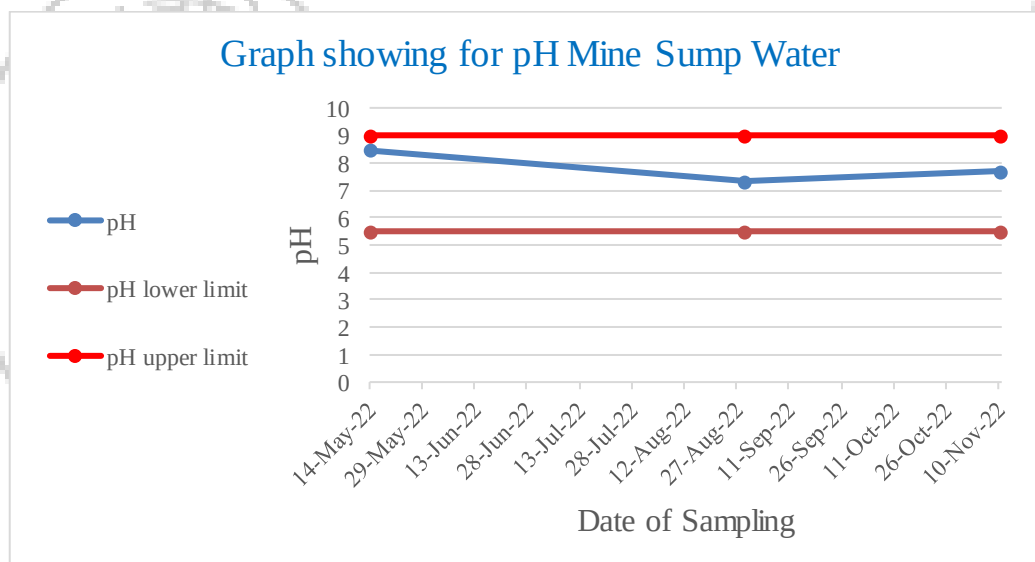
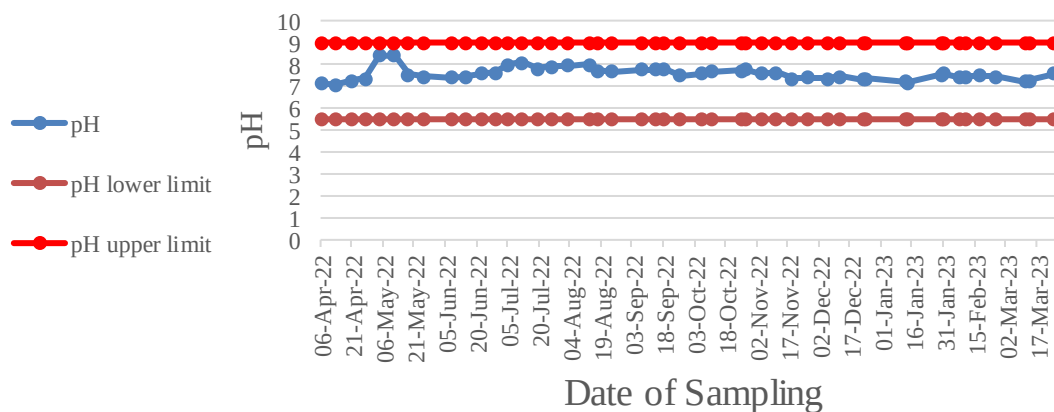


Table:470
Area: Kaniha
Project: Kaniha OCP
Monitoring Station: Clear Water Pond

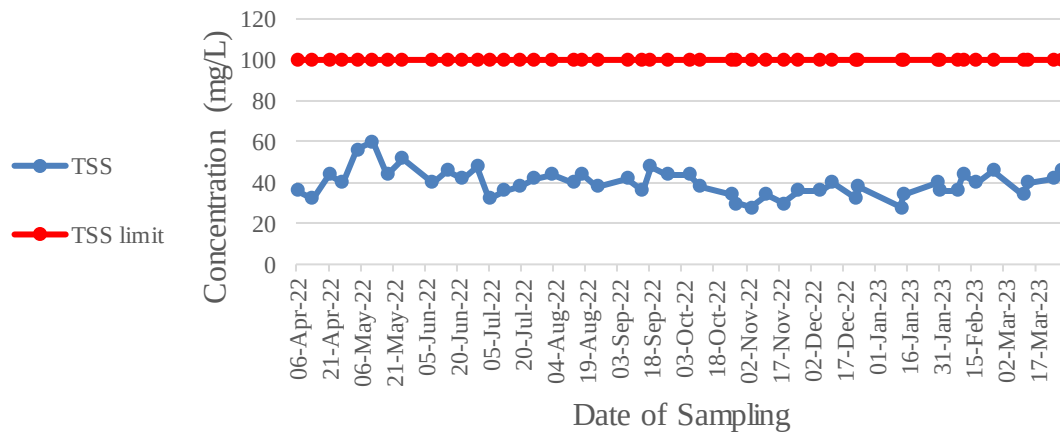
Date of Sampling	pH	Oil & Grease	TSS	COD
06-Apr-22	7.14	<4.0	36	36
13-Apr-22	7.1	<4.0	32	28
21-Apr-22	7.28	<4.0	44	28
27-Apr-22	7.34	<4.0	40	20
04-May-22	8.39	<4.0	56	48
11-May-22	8.41	<4.0	60	40
18-May-22	7.53	<4.0	44	36
25-May-22	7.46	<4.0	52	48
08-Jun-22	7.39	<4.0	40	32
15-Jun-22	7.47	<4.0	46	36
22-Jun-22	7.57	<4.0	42	36
29-Jun-22	7.64	<4.0	48	28
05-Jul-22	8.02	<4.0	32	36
12-Jul-22	8.08	<4.0	36	32
19-Jul-22	7.82	<4.0	38	32
26-Jul-22	7.89	<4.0	42	24
03-Aug-22	7.93	<4.0	44	48
13-Aug-22	7.98	<4.0	40	32
17-Aug-22	7.74	<4.0	44	48
24-Aug-22	7.67	<4.0	38	28
07-Sep-22	7.79	<4.0	42	28
14-Sep-22	7.76	<4.0	36	20
18-Sep-22	7.83	<4.0	48	32
26-Sep-22	7.49	<4.0	44	24
06-Oct-22	7.61	<4.0	44	32
11-Oct-22	7.67	<4.0	38	24
26-Oct-22	7.73	<4.0	34	24
28-Oct-22	7.77	<4.0	30	20
04-Nov-22	7.59	<4.0	28	16
11-Nov-22	7.63	<4.0	34	32
19-Nov-22	7.35	<4.0	30	36
26-Nov-22	7.39	<4.0	36	40
06-Dec-22	7.36	<4.0	36	24
12-Dec-22	7.43	<4.0	40	36
23-Dec-22	7.32	<4.0	32	28
24-Dec-22	7.38	<4.0	38	24
13-Jan-23	7.23	<4.0	28	20
14-Jan-23	7.2	<4.0	34	36
30-Jan-23	7.55	<4.0	40	40
31-Jan-23	7.59	<4.0	36	28
08-Feb-23	7.42	<4.0	36	24
11-Feb-23	7.45	<4.0	44	28

17-Feb-23	7.49	<4.0	40	32
25-Feb-23	7.46	<4.0	46	44
11-Mar-23	7.24	<4.0	34	28
13-Mar-23	7.29	<4.0	40	32
25-Mar-23	7.6	<4.0	42	24
29-Mar-23	7.55	<4.0	46	36
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD
	5.5-9.0	10	100	250

Graph showing for pH Clear Water Pond



Graph showing for TSS Clear Water Pond



Graph showing for COD Clear Water Pond

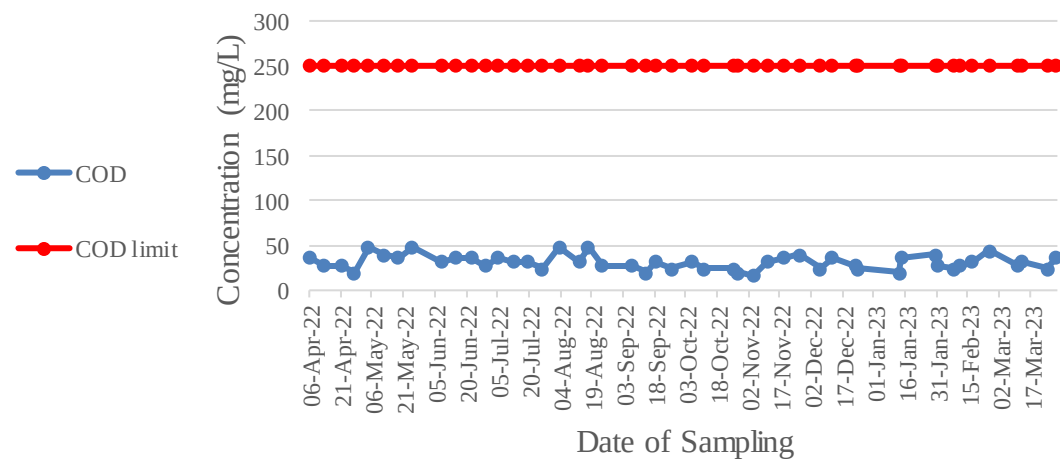
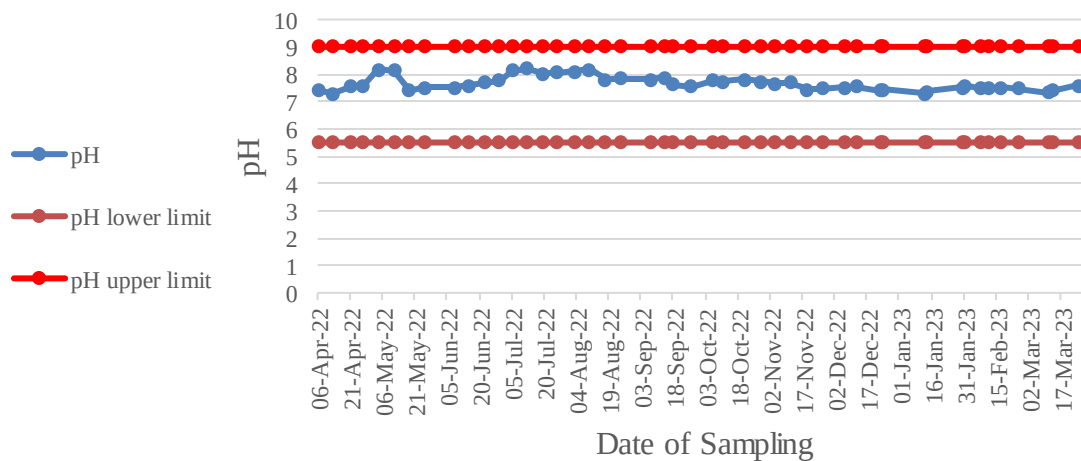


Table:471
Area: Kaniha
Project: Kaniha OCP
Monitoring Station: Kansamunda Sump

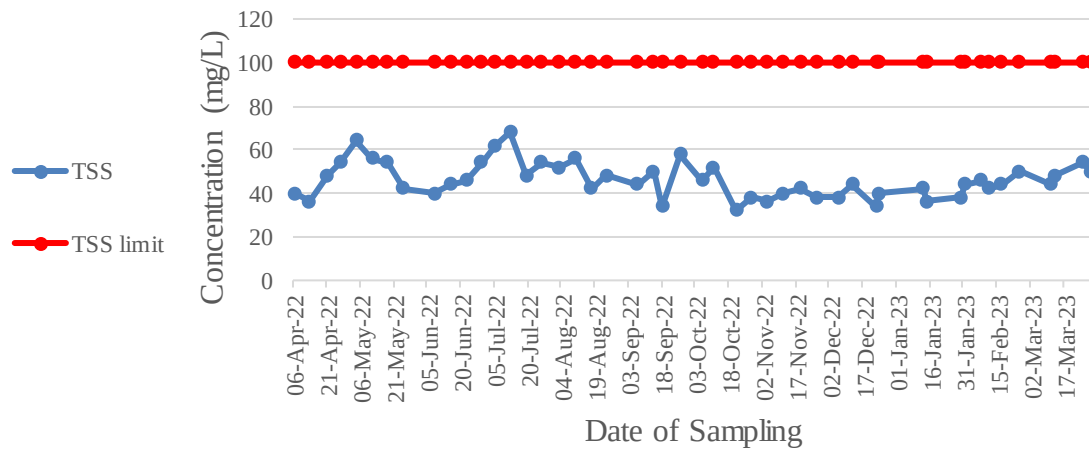
Date of Sampling	pH	Oil & Grease	TSS	COD
06-Apr-22	7.39	<4.0	40	32
13-Apr-22	7.31	<4.0	36	36
21-Apr-22	7.54	<4.0	48	36
27-Apr-22	7.59	<4.0	54	44
04-May-22	8.17	<4.0	64	48
11-May-22	8.13	<4.0	56	44
18-May-22	7.41	<4.0	54	40
25-May-22	7.5	<4.0	42	36
08-Jun-22	7.51	<4.0	40	28
15-Jun-22	7.58	<4.0	44	32
22-Jun-22	7.69	<4.0	46	32
29-Jun-22	7.76	<4.0	54	40
05-Jul-22	8.13	<4.0	62	40
12-Jul-22	8.19	<4.0	68	48
19-Jul-22	8.01	<4.0	48	32
26-Jul-22	8.07	<4.0	54	40
03-Aug-22	8.09	<4.0	52	40
10-Aug-22	8.16	<4.0	56	44
17-Aug-22	7.79	<4.0	42	32
24-Aug-22	7.84	<4.0	48	36
07-Sep-22	7.8	<4.0	44	28
14-Sep-22	7.89	<4.0	50	40
18-Sep-22	7.61	<4.0	34	32
26-Sep-22	7.56	<4.0	58	44
06-Oct-22	7.78	<4.0	46	40
11-Oct-22	7.72	<4.0	52	44
21-Oct-22	7.8	<4.0	32	28
28-Oct-22	7.75	<4.0	38	36
04-Nov-22	7.65	<4.0	36	32
11-Nov-22	7.69	<4.0	40	44
19-Nov-22	7.43	<4.0	42	32
26-Nov-22	7.47	<4.0	38	36
06-Dec-22	7.51	<4.0	38	28
12-Dec-22	7.54	<4.0	44	32
23-Dec-22	7.4	<4.0	34	20
24-Dec-22	7.44	<4.0	40	32
13-Jan-23	7.3	<4.0	42	40
14-Jan-23	7.35	<4.0	36	24

30-Jan-23	7.51	<4.0	38	44
31-Jan-23	7.57	<4.0	44	32
08-Feb-23	7.47	<4.0	46	36
11-Feb-23	7.49	<4.0	42	40
17-Feb-23	7.53	<4.0	44	36
25-Feb-23	7.47	<4.0	50	36
11-Mar-23	7.33	<4.0	44	28
13-Mar-23	7.39	<4.0	48	36
25-Mar-23	7.59	<4.0	54	32
29-Mar-23	7.53	<4.0	50	40
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD
	5.5-9.0	10	100	250

Graph showing for pH Kansamunda Sump



Graph showing for TSS Kansamunda Sump



Graph showing for COD Kansamunda Sump

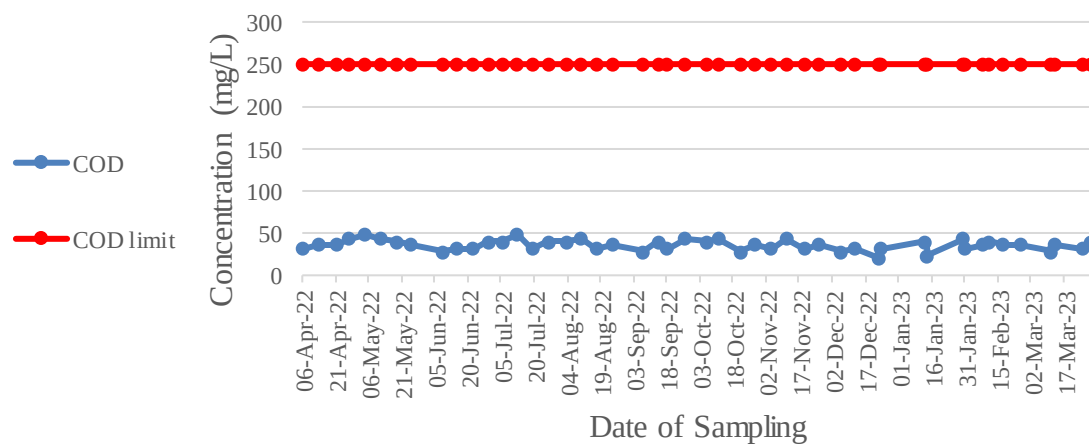


Table:472

Area: Kaniha

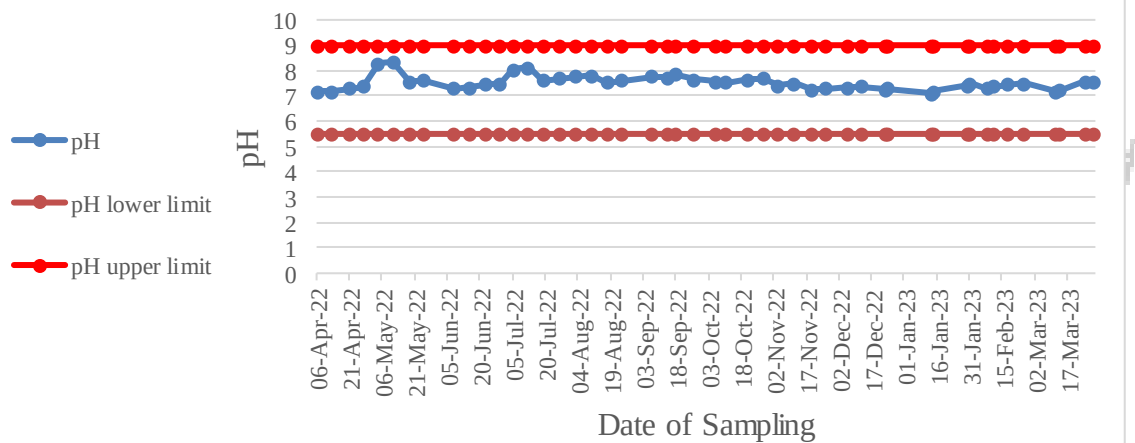
Project: Kaniha OCP

Monitoring Station: Pre Sedimentation Pond

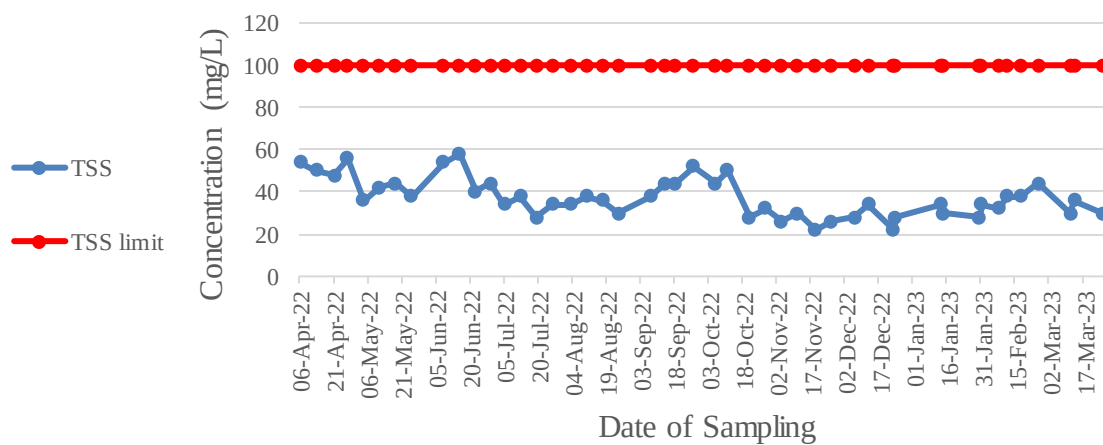
Date of Sampling	pH	Oil & Grease	TSS	COD
06-Apr-22	7.18	<4.0	54	36
13-Apr-22	7.16	<4.0	50	40
21-Apr-22	7.31	<4.0	48	32
27-Apr-22	7.37	<4.0	56	36
04-May-22	8.28	<4.0	36	24
11-May-22	8.34	<4.0	42	32
18-May-22	7.56	<4.0	44	36
25-May-22	7.61	<4.0	38	24
08-Jun-22	7.28	<4.0	54	44
15-Jun-22	7.33	<4.0	58	48
22-Jun-22	7.44	<4.0	40	36
29-Jun-22	7.49	<4.0	44	40
05-Jul-22	8.06	<4.0	34	16
12-Jul-22	8.12	<4.0	38	28
19-Jul-22	7.61	<4.0	28	24
26-Jul-22	7.68	<4.0	34	36
03-Aug-22	7.75	<4.0	34	28
10-Aug-22	7.8	<4.0	38	40
17-Aug-22	7.52	<4.0	36	40
24-Aug-22	7.59	<4.0	30	16
07-Sep-22	7.77	<4.0	38	24
14-Sep-22	7.71	<4.0	44	36
18-Sep-22	7.84	<4.0	44	36
26-Sep-22	7.63	<4.0	52	44
06-Oct-22	7.57	<4.0	44	36
11-Oct-22	7.51	<4.0	50	40
21-Oct-22	7.65	<4.0	28	32
28-Oct-22	7.69	<4.0	32	36
04-Nov-22	7.42	<4.0	26	24
11-Nov-22	7.49	<4.0	30	32
19-Nov-22	7.26	<4.0	22	24
26-Nov-22	7.29	<4.0	26	20
06-Dec-22	7.33	<4.0	28	28
12-Dec-22	7.39	<4.0	34	20
23-Dec-22	7.25	<4.0	22	20
24-Dec-22	7.29	<4.0	28	24
13-Jan-23	7.11	<4.0	34	24
14-Jan-23	7.18	<4.0	30	16
30-Jan-23	7.43	<4.0	28	36
31-Jan-23	7.48	<4.0	34	32

08-Feb-23	7.31	<4.0	32	36
11-Feb-23	7.36	<4.0	38	28
17-Feb-23	7.44	<4.0	38	36
25-Feb-23	7.48	<4.0	44	40
11-Mar-23	7.17	<4.0	30	22
13-Mar-23	7.2	<4.0	36	32
25-Mar-23	7.57	<4.0	30	20
29-Mar-23	7.51	<4.0	36	28
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD
	5.5- 9.0	10	100	250

Graph showing for pH Pre Sedimentation Pond



Graph showing for TSS Pre Sedimentation Pond



Graph showing for COD Pre Sedimentation Pond

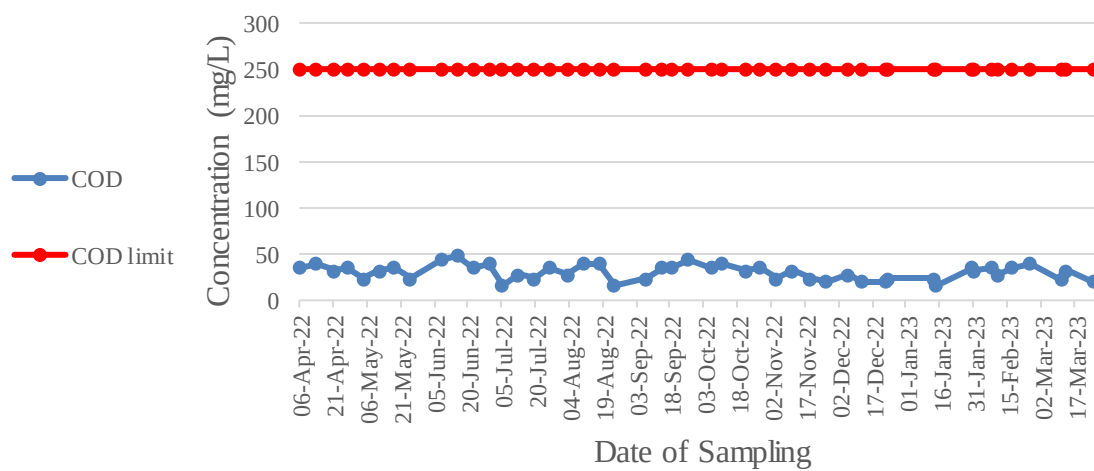
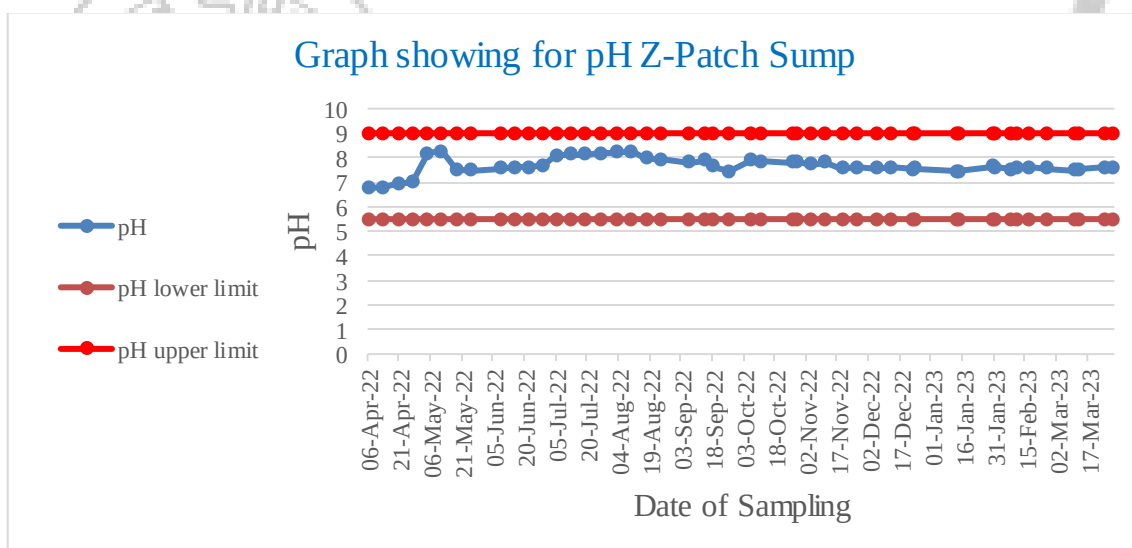


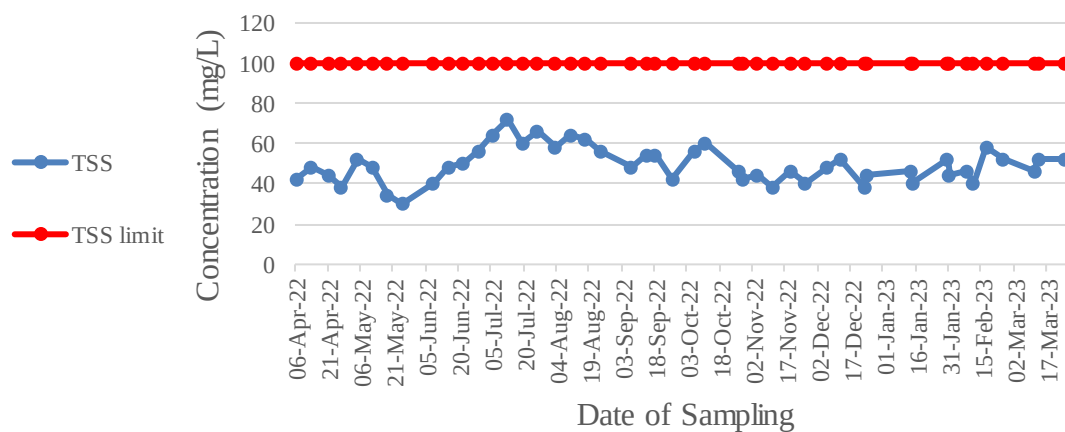
Table:473
Area: Kaniha
Project: Kaniha OCP
Monitoring Station: Z-Patch Sump

Date of Sampling	pH	Oil & Grease	TSS	COD
06-Apr-22	6.76	<4.0	42	44
13-Apr-22	6.79	<4.0	48	36
21-Apr-22	6.94	<4.0	44	32
27-Apr-22	6.99	<4.0	38	24
04-May-22	8.19	<4.0	52	36
11-May-22	8.25	<4.0	48	32
18-May-22	7.54	<4.0	34	28
25-May-22	7.47	<4.0	30	24
08-Jun-22	7.55	<4.0	40	24
15-Jun-22	7.62	<4.0	48	28
22-Jun-22	7.62	<4.0	50	36
29-Jun-22	7.68	<4.0	56	44
05-Jul-22	8.09	<4.0	64	36
12-Jul-22	8.15	<4.0	72	40
19-Jul-22	8.12	<4.0	60	44
26-Jul-22	8.19	<4.0	66	36
03-Aug-22	8.2	<4.0	58	52
10-Aug-22	8.27	<4.0	64	56
17-Aug-22	7.98	<4.0	62	40
24-Aug-22	7.91	<4.0	56	44
07-Sep-22	7.81	<4.0	48	32
14-Sep-22	7.89	<4.0	54	44
18-Sep-22	7.63	<4.0	54	28
26-Sep-22	7.43	<4.0	42	36
06-Oct-22	7.89	<4.0	56	36
11-Oct-22	7.83	<4.0	60	32
26-Oct-22	7.8	<4.0	46	40
28-Oct-22	7.85	<4.0	42	32
04-Nov-22	7.73	<4.0	44	32
11-Nov-22	7.79	<4.0	38	24
19-Nov-22	7.55	<4.0	46	32
26-Nov-22	7.59	<4.0	40	28
06-Dec-22	7.58	<4.0	48	28
12-Dec-22	7.62	<4.0	52	32
23-Dec-22	7.51	<4.0	38	40
24-Dec-22	7.55	<4.0	44	36
13-Jan-23	7.43	<4.0	46	32
14-Jan-23	7.46	<4.0	40	28
30-Jan-23	7.66	<4.0	52	20

31-Jan-23	7.61	<4.0	44	40
08-Feb-23	7.53	<4.0	46	32
11-Feb-23	7.56	<4.0	40	24
17-Feb-23	7.61	<4.0	58	44
25-Feb-23	7.57	<4.0	52	32
11-Mar-23	7.47	<4.0	46	44
13-Mar-23	7.52	<4.0	52	40
25-Mar-23	7.6	<4.0	52	36
29-Mar-23	7.57	<4.0	56	40
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD
	5.5-9.0	10	100	250



Graph showing for TSS Z-Patch Sump



Graph showing for COD Z-Patch Sump

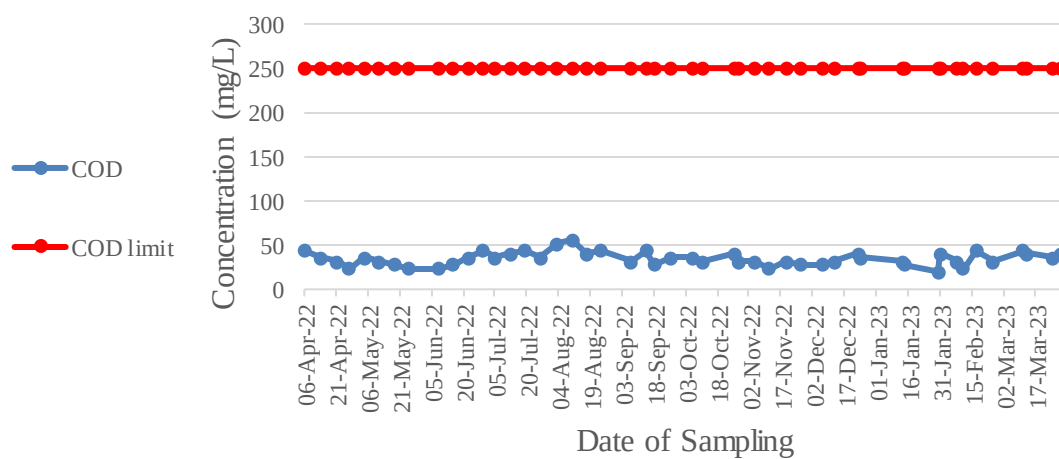


Table:474

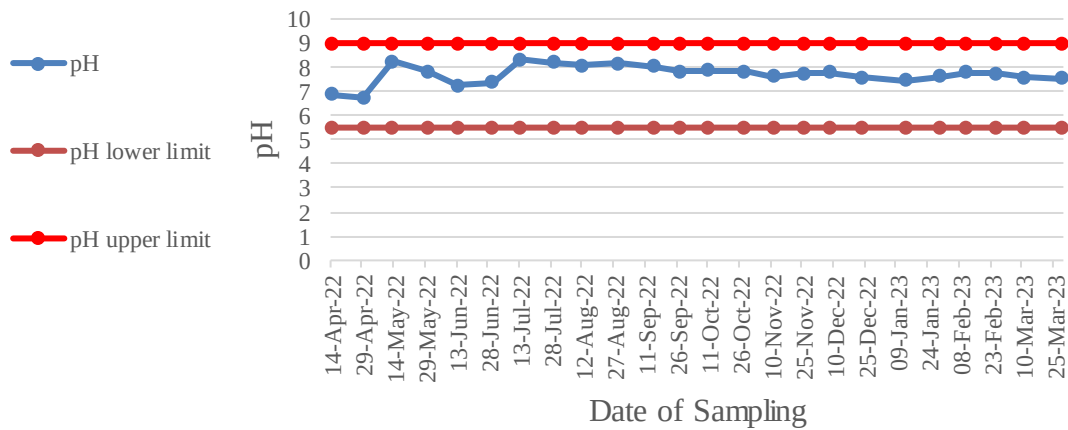
Area: Hingula

Project: Balram OCP

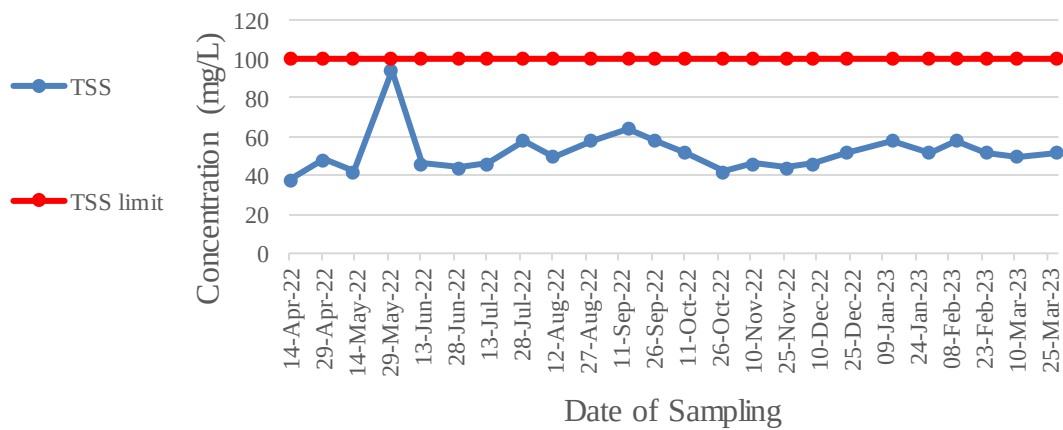
Monitoring Station: Inlet of O & G Trap

Date of Sampling	pH	Oil & Grease	TSS	COD
14-Apr-22	6.88	<4.0	38	40
29-Apr-22	6.74	<4.0	48	32
13-May-22	8.26	<4.0	42	36
30-May-22	7.84	4.8	94	48
13-Jun-22	7.26	<4.0	46	40
30-Jun-22	7.37	<4.0	44	36
13-Jul-22	8.33	<4.0	46	36
29-Jul-22	8.18	<4.0	58	48
12-Aug-22	8.08	<4.0	50	36
29-Aug-22	8.17	<4.0	58	40
15-Sep-22	8.03	<4.0	64	40
27-Sep-22	7.81	<4.0	58	40
11-Oct-22	7.86	<4.0	52	40
28-Oct-22	7.84	<4.0	42	40
11-Nov-22	7.61	<4.0	46	32
26-Nov-22	7.74	<4.0	44	40
08-Dec-22	7.78	<4.0	46	28
23-Dec-22	7.59	<4.0	52	44
13-Jan-23	7.46	<4.0	58	36
30-Jan-23	7.63	<4.0	52	28
11-Feb-23	7.8	<4.0	58	36
25-Feb-23	7.74	<4.0	52	40
11-Mar-23	7.56	<4.0	50	36
29-Mar-23	7.55	<4.0	52	36
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD
	5.5-9.0	10	100	250

Graph showing for pH Inlet of O & G Trap



Graph showing for TSS Inlet of O & G Trap



Graph showing for COD Inlet of O & G Trap

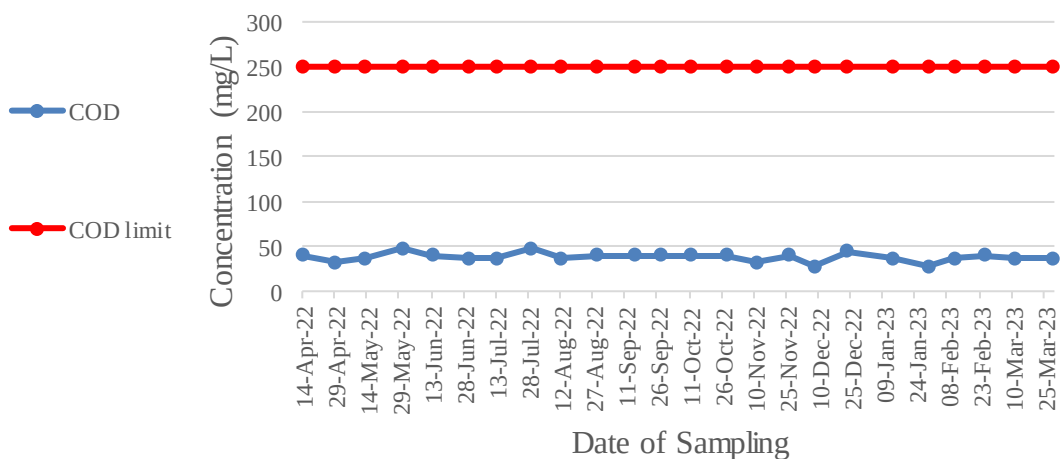
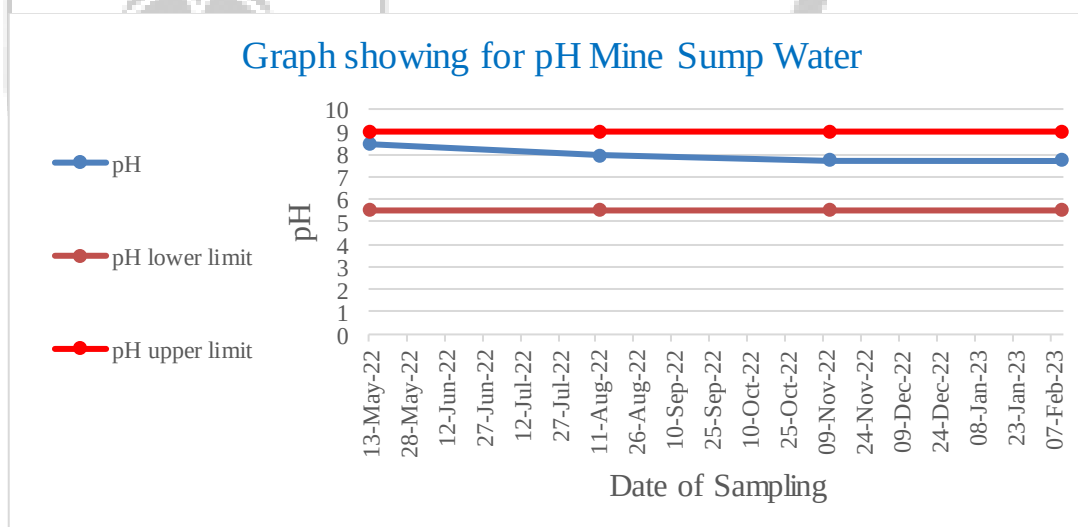
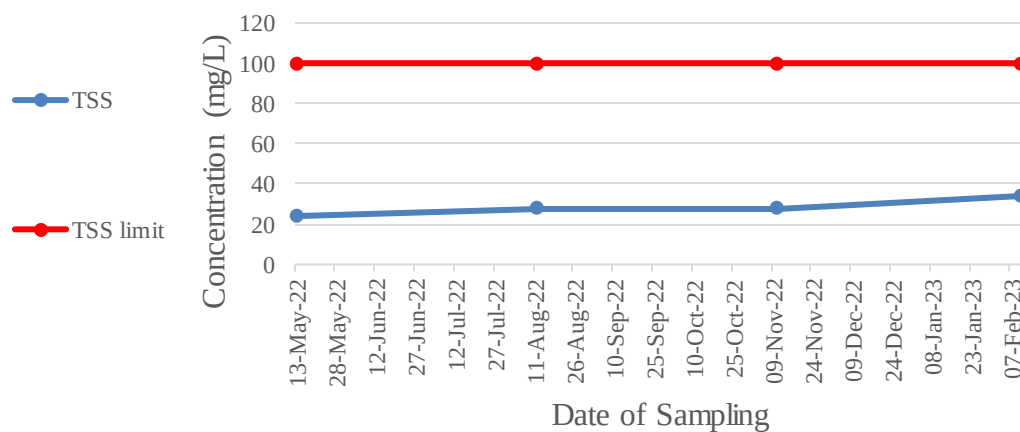


Table:475
Area: Hingula
Project: Balram OCP
Monitoring Station: Mine Sump Water

Date of Sampling	pH	Oil & Grease	TSS	COD
13-May-22	8.44	<4.0	24	16
12-Aug-22	7.92	<4.0	28	16
11-Nov-22	7.7	<4.0	28	20
11-Feb-23	7.73	<4.0	34	32
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD
	5.5-9.0	10	100	250



Graph showing for TSS Mine Sump Water



Graph showing for COD Mine Sump Water

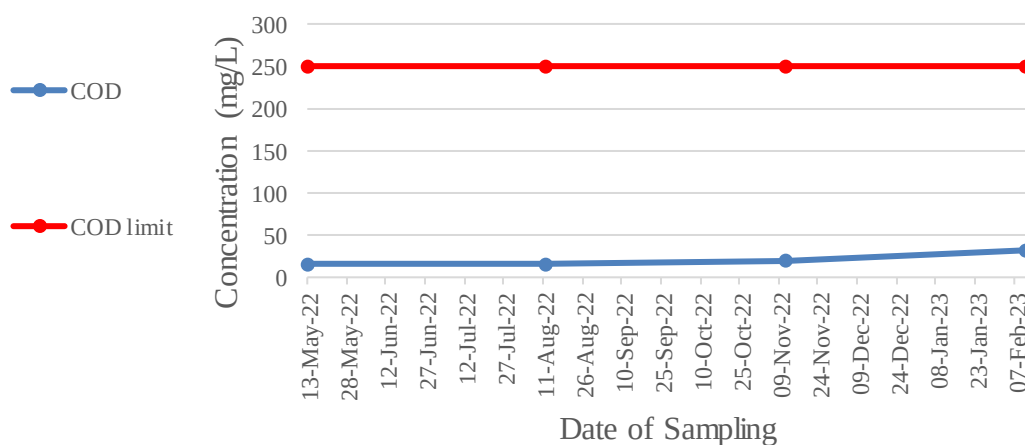


Table:476

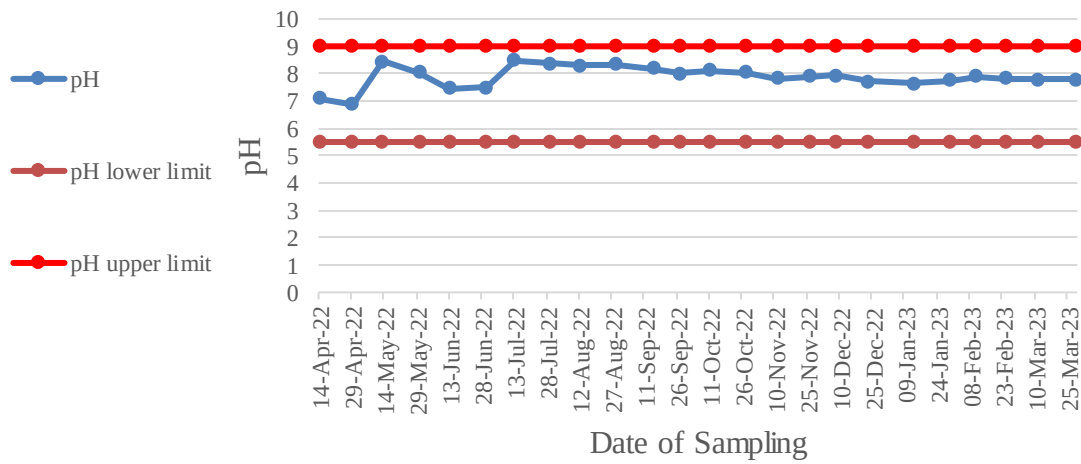
Area: Hingula

Project: Balram OCP

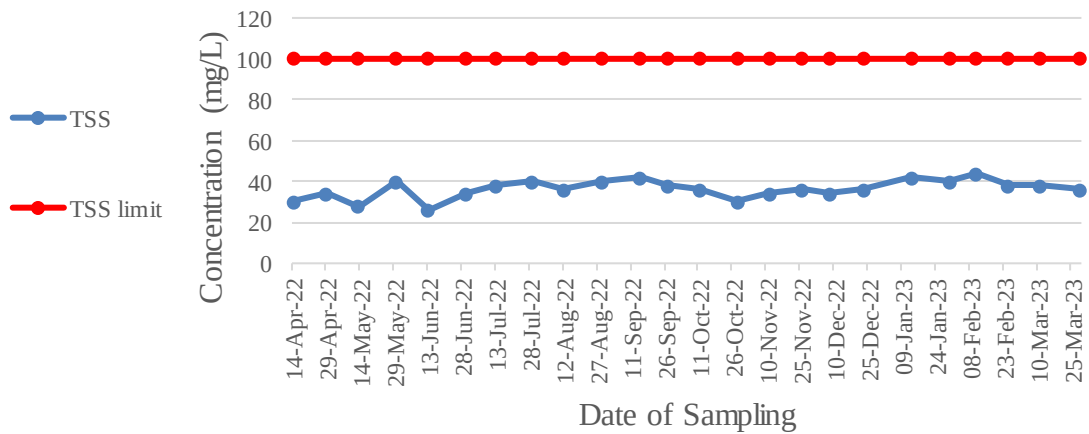
Monitoring Station: Outlet of O & G Trap

Date of Sampling	pH	Oil & Grease	TSS	COD
14-Apr-22	7.08	<4.0	30	32
29-Apr-22	6.87	<4.0	34	24
13-May-22	8.45	<4.0	28	24
30-May-22	8.06	<4.0	40	36
13-Jun-22	7.44	<4.0	26	32
30-Jun-22	7.51	<4.0	34	28
13-Jul-22	8.47	<4.0	38	24
29-Jul-22	8.37	<4.0	40	32
12-Aug-22	8.29	<4.0	36	32
29-Aug-22	8.33	<4.0	40	28
15-Sep-22	8.19	<4.0	42	36
27-Sep-22	8.01	<4.0	38	32
11-Oct-22	8.11	<4.0	36	28
28-Oct-22	8.04	<4.0	30	28
11-Nov-22	7.83	<4.0	34	24
26-Nov-22	7.9	<4.0	36	28
08-Dec-22	7.92	<4.0	34	20
23-Dec-22	7.72	<4.0	36	32
13-Jan-23	7.64	<4.0	42	24
30-Jan-23	7.74	<4.0	40	16
11-Feb-23	7.89	<4.0	44	24
25-Feb-23	7.82	<4.0	38	24
11-Mar-23	7.79	<4.0	38	24
29-Mar-23	7.78	<4.0	36	24
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD
	5.5-9.0	10	100	250

Graph showing for pH Outlet of O&G Trap



Graph showing for TSS Outlet of O&G Trap



Graph showing for COD Outlet of O&G Trap

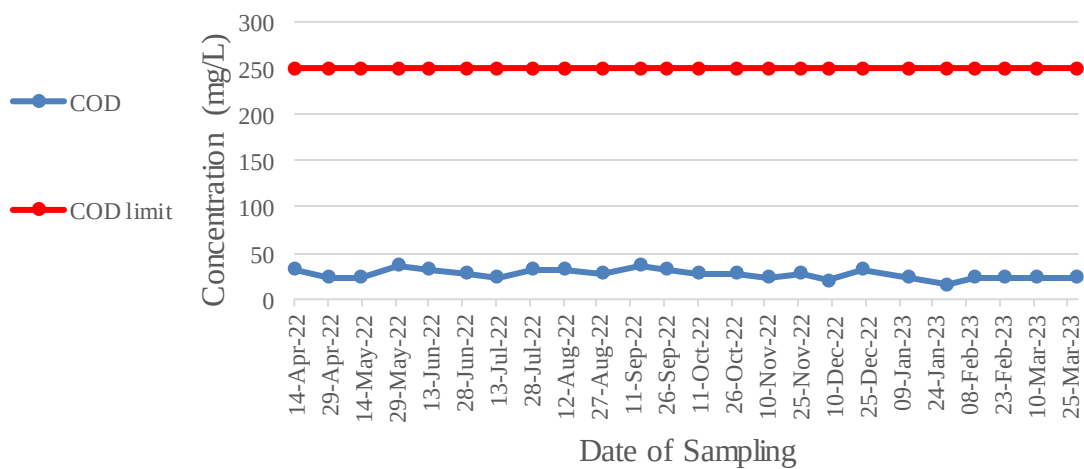
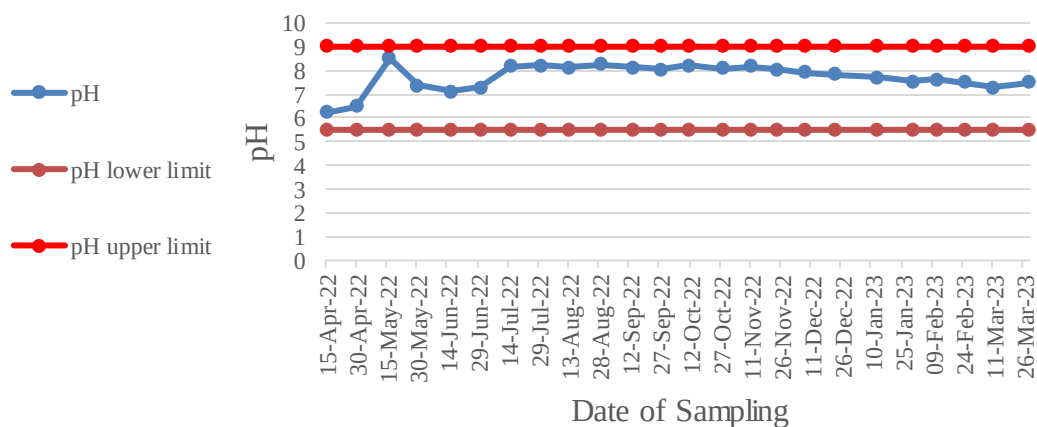


Table:477
Area: Hingula
Project: Balram OCP
Monitoring Station: STP Outlet of Balram Colony

Date of Sampling	pH	TSS	BOD
15-Apr-22	6.22	38	<2
30-Apr-22	6.47	44	<2
16-May-22	8.51	20	<2
30-May-22	7.36	24	<2
16-Jun-22	7.11	34	<2
30-Jun-22	7.29	30	<2
15-Jul-22	8.16	42	<2
30-Jul-22	8.2	36	<2
13-Aug-22	8.11	32	<2
29-Aug-22	8.25	38	<2
14-Sep-22	8.11	44	<2
28-Sep-22	8.04	36	<2
11-Oct-22	8.23	48	<2
28-Oct-22	8.1	42	<2
11-Nov-22	8.16	44	<2
24-Nov-22	8.03	38	<2
08-Dec-22	7.9	44	<2
23-Dec-22	7.85	40	<2
13-Jan-23	7.71	36	<2
30-Jan-23	7.55	44	<2
11-Feb-23	7.63	36	<2
25-Feb-23	7.49	30	<2
11-Mar-23	7.27	36	<2
29-Mar-23	7.49	30	<2
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	TSS	BOD
	5.5-9.0	100	30

Graph showing for pH STP Outlet of Balram Colony



Graph showing for TSS STP Outlet of Balram Colony

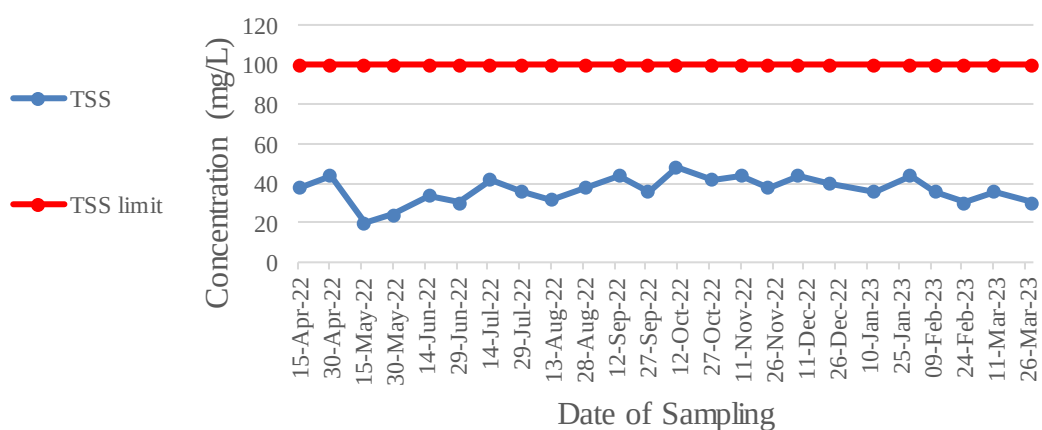


Table:478

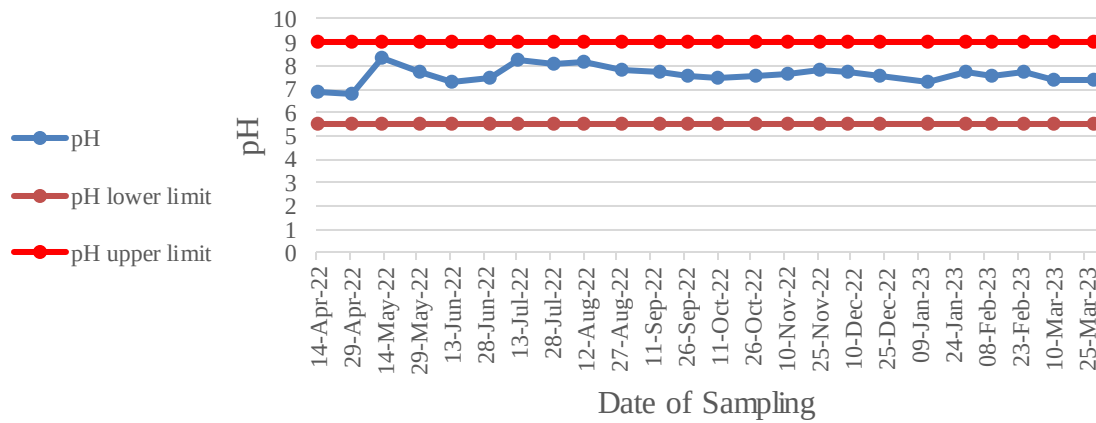
Area: Hingula

Project: Hingula OCP

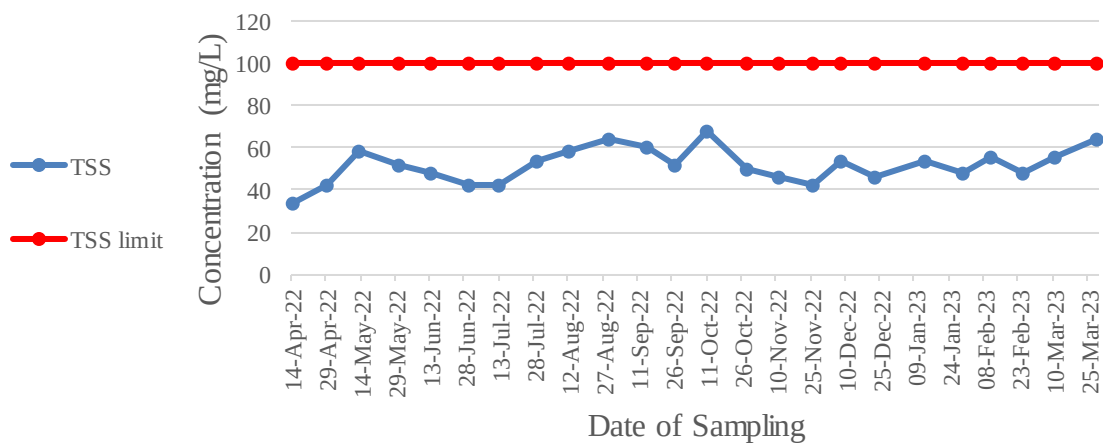
Monitoring Station: Inlet of O & G Trap

Date of Sampling	pH	Oil & Grease	TSS	COD
14-Apr-22	6.85	<4.0	34	32
29-Apr-22	6.78	<4.0	42	36
13-May-22	8.33	<4.0	58	44
30-May-22	7.73	<4.0	52	40
13-Jun-22	7.31	<4.0	48	36
30-Jun-22	7.47	<4.0	42	32
13-Jul-22	8.28	<4.0	42	32
29-Jul-22	8.06	<4.0	54	40
12-Aug-22	8.14	<4.0	58	36
29-Aug-22	7.83	<4.0	64	48
15-Sep-22	7.75	<4.0	60	40
27-Sep-22	7.59	<4.0	52	32
11-Oct-22	7.48	<4.0	68	48
28-Oct-22	7.53	<4.0	50	44
11-Nov-22	7.65	<4.0	46	32
26-Nov-22	7.8	<4.0	42	36
08-Dec-22	7.71	<4.0	54	40
23-Dec-22	7.53	<4.0	46	28
13-Jan-23	7.33	<4.0	54	44
30-Jan-23	7.73	<4.0	48	44
11-Feb-23	7.59	<4.0	56	44
25-Feb-23	7.69	<4.0	48	36
11-Mar-23	7.41	<4.0	56	48
29-Mar-23	7.4	<4.0	64	44
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD
	5.5-9.0	10	100	250

Graph showing for pH Inlet of O & G Trap



Graph showing for TSS Inlet of O & G Trap



Graph showing for COD Inlet of O & G Trap

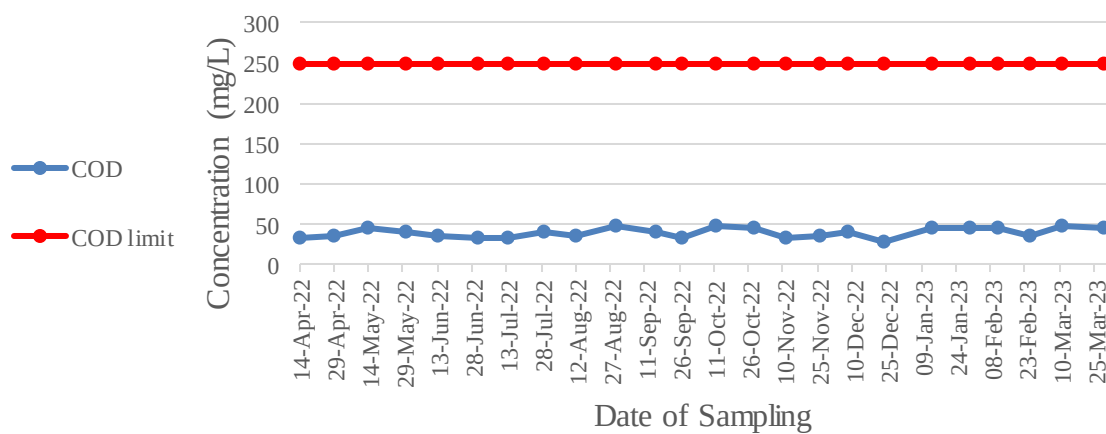
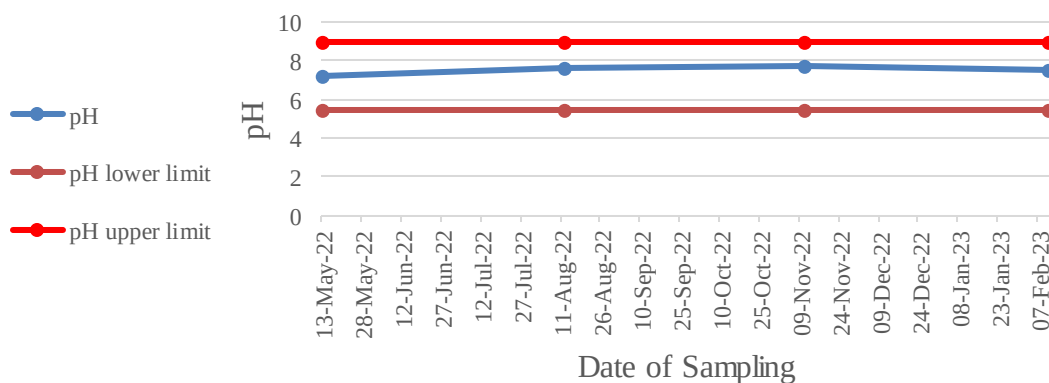


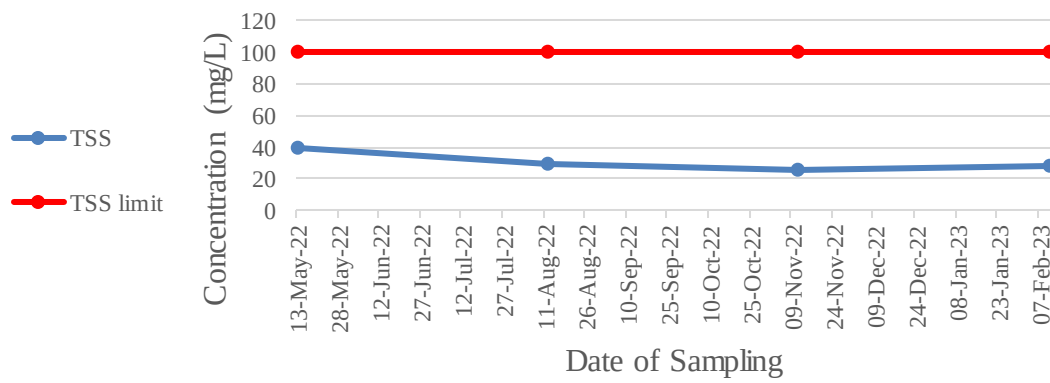
Table:479
Area: Hingula
Project: Hingula OCP
Monitoring Station: Mine Sump water

Date of Sampling	pH	Oil & Grease	TSS	COD
13-May-22	7.21	<4.0	40	28
12-Aug-22	7.62	<4.0	30	20
11-Nov-22	7.69	<4.0	26	12
11-Feb-23	7.53	<4.0	28	20
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD
	5.5-9.0	10	100	250

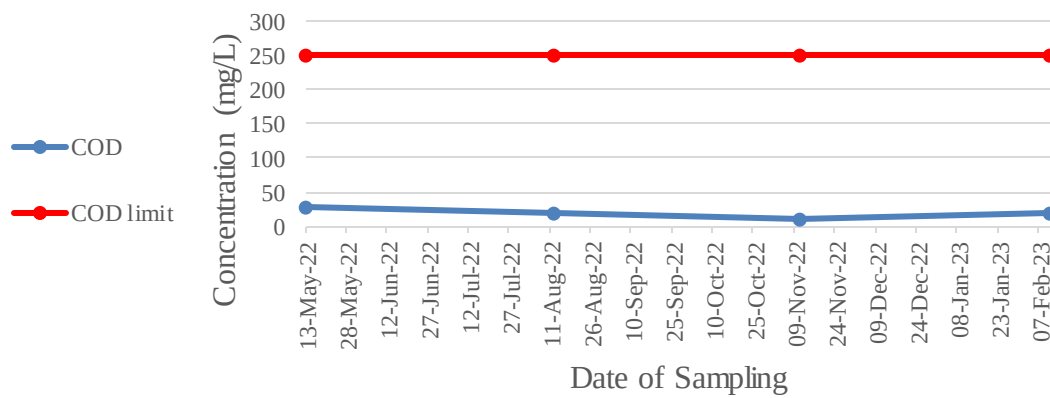
Graph showing for pH Mine Sump water



Graph showing for TSS Mine Sump water



Graph showing for COD Mine Sump water

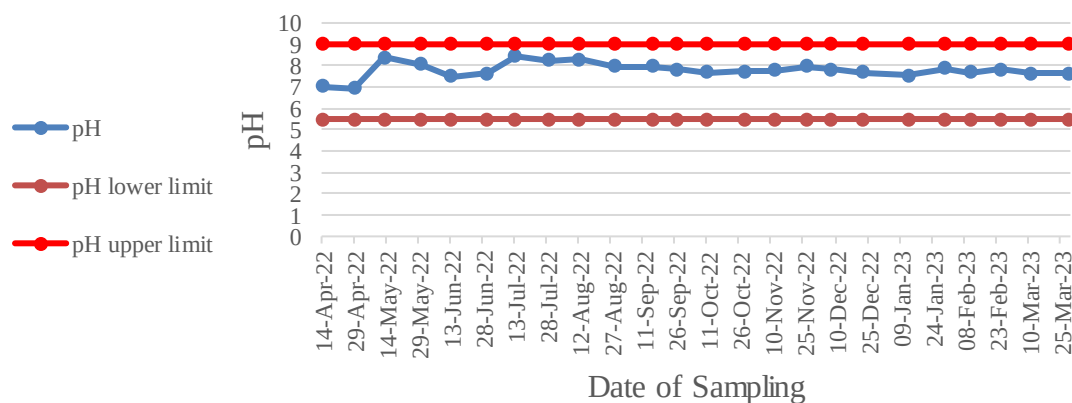


A Mini Ratna Company

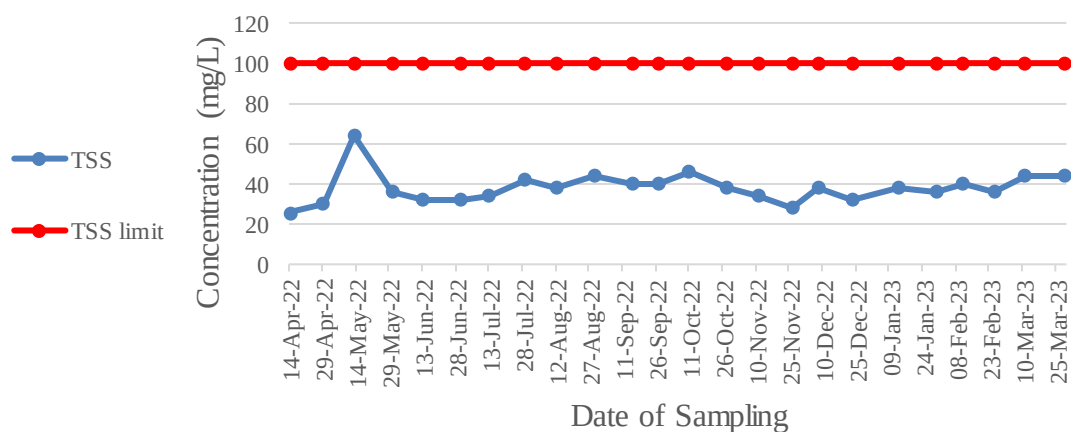
Table:480
Area: Hingula
Project: Hingula OCP
Monitoring Station: Outlet of O & G Trap

Date of Sampling	pH	Oil & Grease	TSS	COD
14-Apr-22	7.04	<4.0	26	24
29-Apr-22	6.92	<4.0	30	32
13-May-22	8.39	<4.0	64	40
30-May-22	8.04	<4.0	36	32
13-Jun-22	7.48	<4.0	32	28
30-Jun-22	7.61	<4.0	32	24
13-Jul-22	8.44	<4.0	34	28
29-Jul-22	8.23	<4.0	42	36
12-Aug-22	8.29	<4.0	38	28
29-Aug-22	7.97	<4.0	44	32
15-Sep-22	7.94	<4.0	40	28
27-Sep-22	7.83	<4.0	40	24
11-Oct-22	7.69	<4.0	46	32
28-Oct-22	7.72	<4.0	38	36
11-Nov-22	7.79	<4.0	34	24
26-Nov-22	7.95	<4.0	28	24
08-Dec-22	7.84	<4.0	38	32
23-Dec-22	7.69	<4.0	32	20
13-Jan-23	7.52	<4.0	38	24
30-Jan-23	7.89	<4.0	36	32
11-Feb-23	7.67	<4.0	40	32
25-Feb-23	7.83	<4.0	36	24
11-Mar-23	7.62	<4.0	44	32
29-Mar-23	7.62	<4.0	44	32
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD
	5.5-9.0	10	100	250

Graph showing for pH Outlet of O&G Trap



Graph showing for TSS Outlet of O&G Trap



Graph showing for COD Outlet of O&G Trap

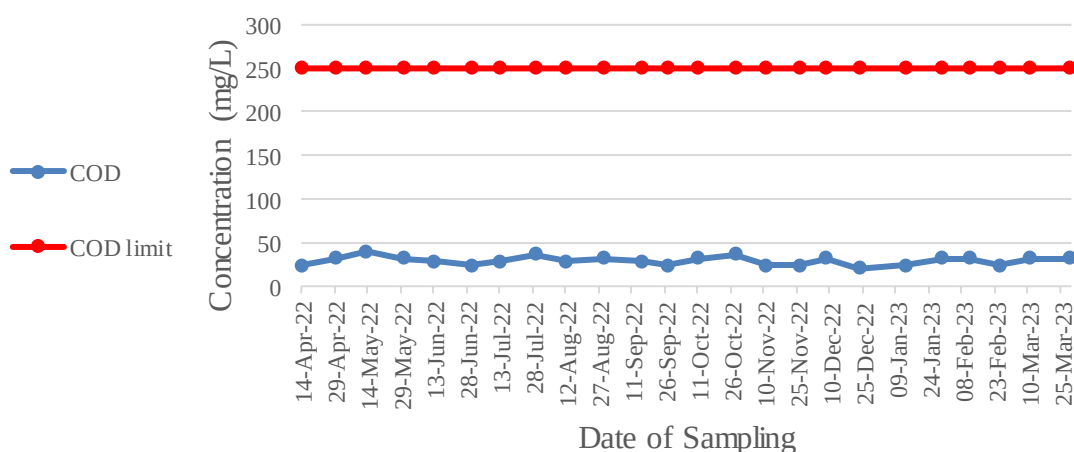


Table:481

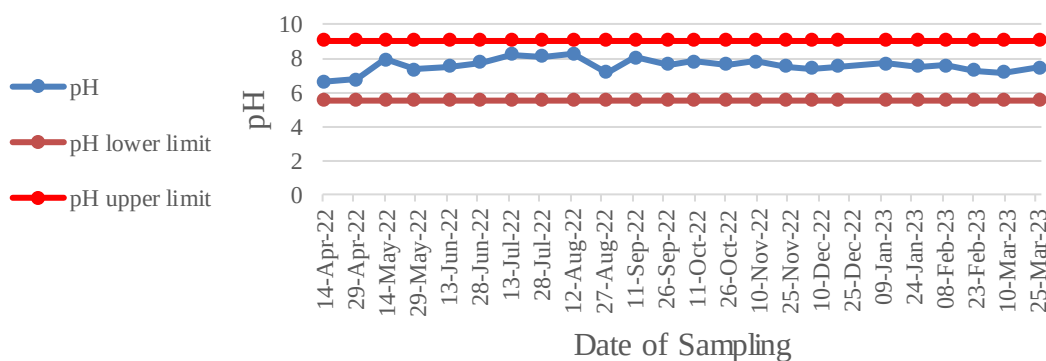
Area: Talcher

Project: Talcher Colliery

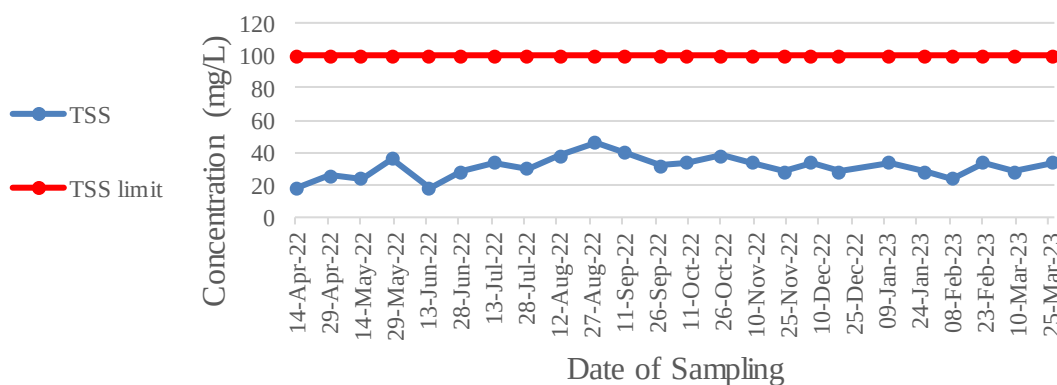
Monitoring Station: Talcher Colliery Sedimentation Tank Discharge

Date of Sampling	pH	Oil & Grease	TSS	COD
14-Apr-22	6.61	<4.0	18	12
30-Apr-22	6.73	<4.0	26	20
14-May-22	7.92	<4.0	24	12
28-May-22	7.32	<4.0	36	20
14-Jun-22	7.53	<4.0	18	12
29-Jun-22	7.71	<4.0	28	24
14-Jul-22	8.23	<4.0	34	36
29-Jul-22	8.11	<4.0	30	24
13-Aug-22	8.25	<4.0	38	40
29-Aug-22	7.17	<4.0	46	36
12-Sep-22	8.03	<4.0	40	44
28-Sep-22	7.64	<4.0	32	36
10-Oct-22	7.81	<4.0	34	36
26-Oct-22	7.63	<4.0	38	36
09-Nov-22	7.79	<4.0	34	24
24-Nov-22	7.53	<4.0	28	12
06-Dec-22	7.41	<4.0	34	28
19-Dec-22	7.53	<4.0	28	20
11-Jan-23	7.65	<4.0	34	24
27-Jan-23	7.51	<4.0	28	32
09-Feb-23	7.57	<4.0	24	20
23-Feb-23	7.29	<4.0	34	32
09-Mar-23	7.13	<4.0	28	20
27-Mar-23	7.44	<4.0	34	32
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD
	5.5-9.0	10	100	250

Graph showing for pH Talcher Colliery Sedimentation Tank Discharge



Graph showing for TSS Talcher Colliery Sedimentation Tank Discharge



Graph showing for COD Talcher Colliery Sedimentation Tank Discharge

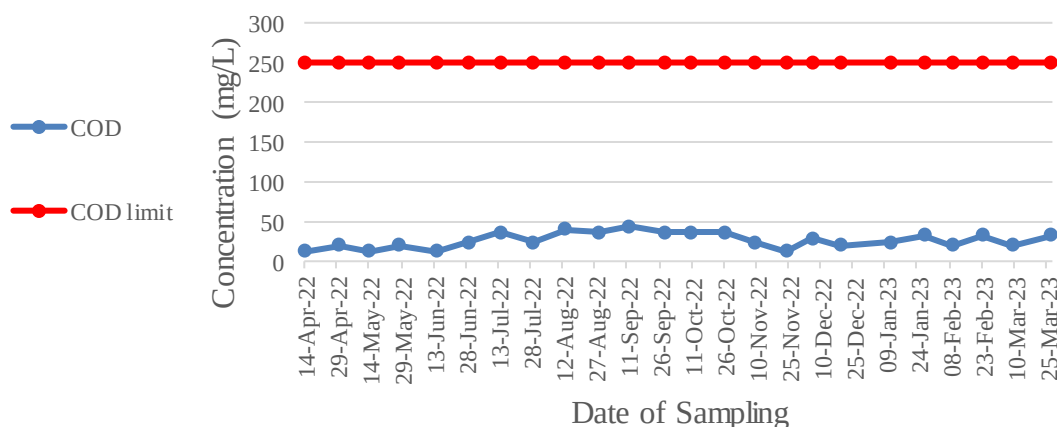
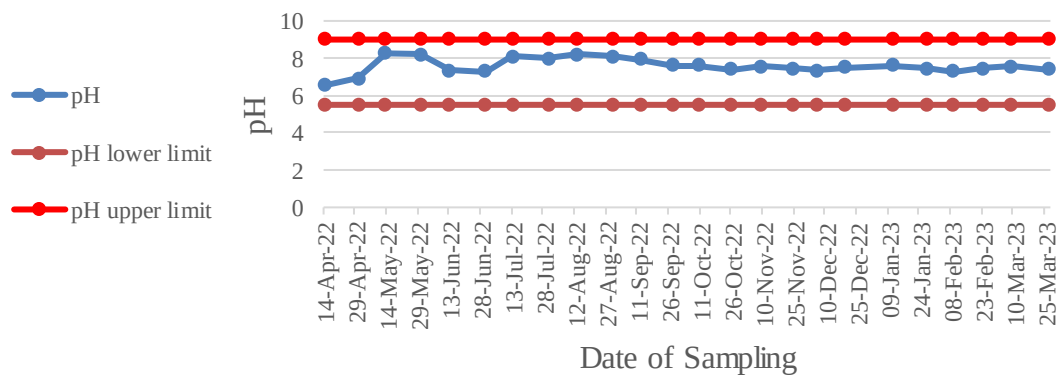


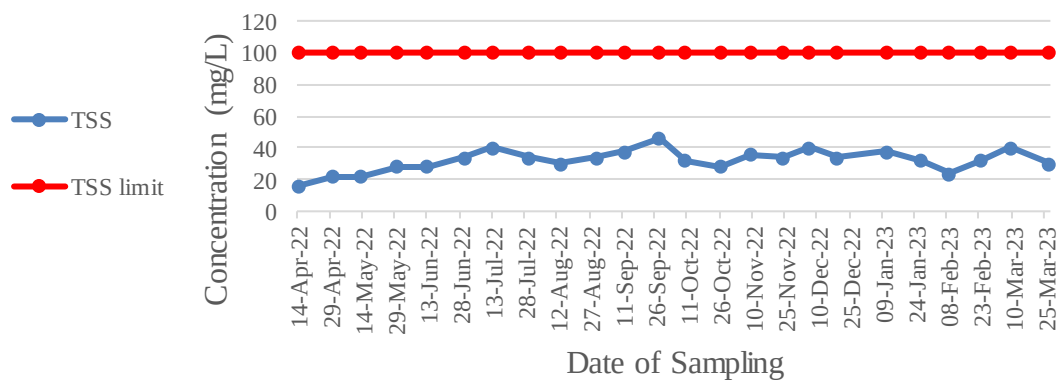
Table:482
Area: Talcher
Project: Nandira Colliery
Monitoring Station: Nandira Colliery Sedimentation Tank Discharge

Date of Sampling	pH	Oil & Grease	TSS	COD
14-Apr-22	6.54	<4.0	16	16
30-Apr-22	6.89	<4.0	22	24
13-May-22	8.26	<4.0	22	20
30-May-22	8.2	<4.0	28	24
13-Jun-22	7.35	<4.0	28	16
30-Jun-22	7.29	<4.0	34	20
13-Jul-22	8.07	<4.0	40	28
30-Jul-22	8.01	<4.0	34	32
13-Aug-22	8.19	<4.0	30	28
30-Aug-22	8.07	<4.0	34	32
12-Sep-22	7.94	<4.0	38	32
28-Sep-22	7.59	<4.0	46	40
10-Oct-22	7.63	<4.0	32	28
26-Oct-22	7.41	<4.0	28	20
09-Nov-22	7.58	<4.0	36	20
24-Nov-22	7.47	<4.0	34	32
06-Dec-22	7.33	<4.0	40	20
19-Dec-22	7.49	<4.0	34	32
11-Jan-23	7.59	<4.0	38	20
27-Jan-23	7.43	<4.0	32	12
09-Feb-23	7.31	<4.0	24	12
23-Feb-23	7.45	<4.0	32	36
09-Mar-23	7.57	<4.0	40	32
27-Mar-23	7.39	<4.0	30	28
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD
	5.5-9.0	10	100	250

Graph showing for pH Nandira Colliery Sedimentation
Tank Discharge



Graph showing for TSS Nandira Colliery Sedimentation
Tank Discharge



Graph showing for COD Nandira Colliery Sedimentation
Tank Discharge

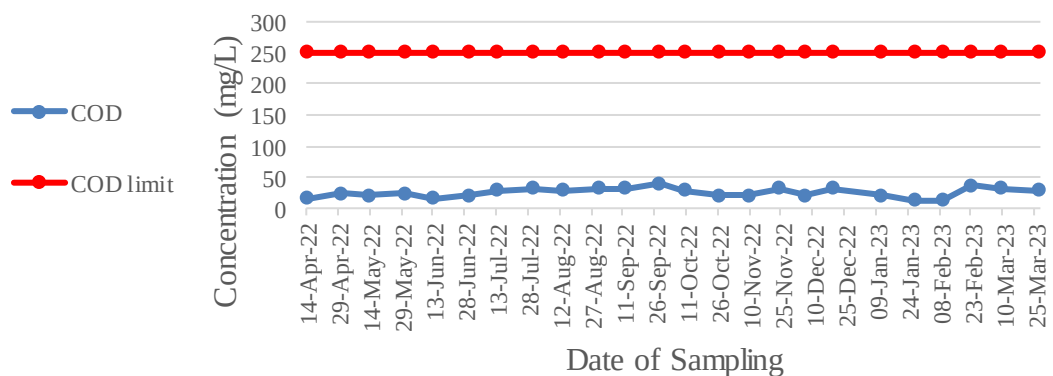
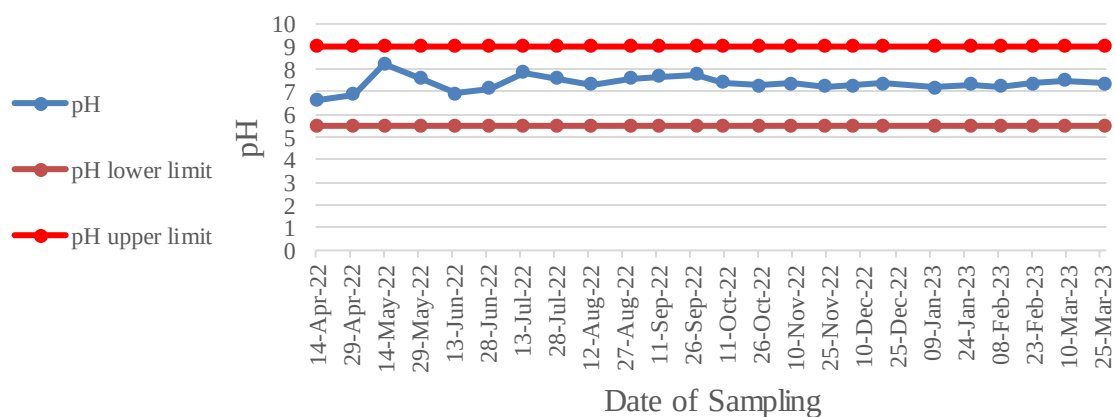


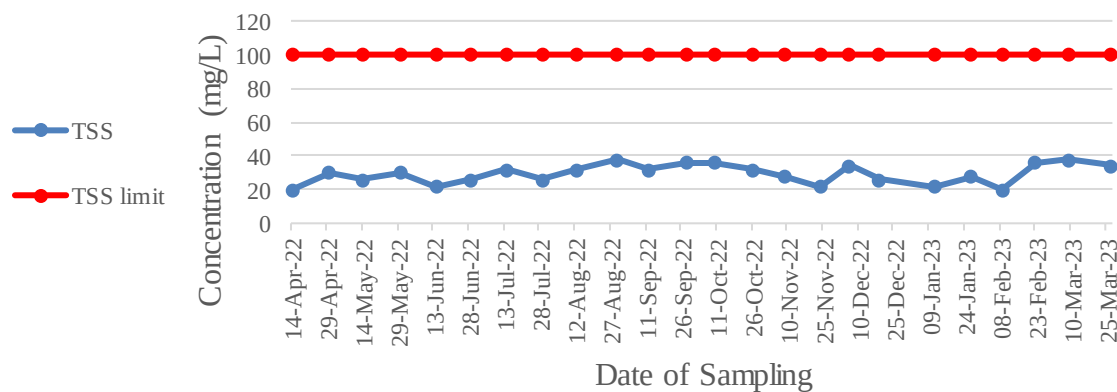
Table:483
Area: Talcher
Project: Deulbera Colliery
Monitoring Station: Deulbera Colliery Mine Discharge at Pit Top

Date of Sampling	pH	Oil & Grease	TSS	COD
14-Apr-22	6.63	<4.0	20	12
30-Apr-22	6.9	<4.0	30	20
14-May-22	8.23	<4.0	26	32
30-May-22	7.61	<4.0	30	36
14-Jun-22	6.93	<4.0	22	16
29-Jun-22	7.13	<4.0	26	12
14-Jul-22	7.86	<4.0	32	40
29-Jul-22	7.57	<4.0	26	28
13-Aug-22	7.33	<4.0	32	36
30-Aug-22	7.57	<4.0	38	40
12-Sep-22	7.69	<4.0	32	28
28-Sep-22	7.75	<4.0	36	24
10-Oct-22	7.43	<4.0	36	40
26-Oct-22	7.29	<4.0	32	16
09-Nov-22	7.36	<4.0	28	16
24-Nov-22	7.23	<4.0	22	24
06-Dec-22	7.29	<4.0	34	32
19-Dec-22	7.38	<4.0	26	24
11-Jan-23	7.2	<4.0	22	32
27-Jan-23	7.31	<4.0	28	28
09-Feb-23	7.25	<4.0	20	16
23-Feb-23	7.39	<4.0	36	40
09-Mar-23	7.52	<4.0	38	36
27-Mar-23	7.36	<4.0	34	32
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD
	5.5-9.0	10	100	250

Graph showing for pH Outlet Deulbera Colliery Mine
Discharge at Pit Top



Graph showing for TSS Outlet Deulbera Colliery Mine
Discharge at Pit Top



Graph showing for COD Outlet Deulbera Colliery Mine
Discharge at Pit Top

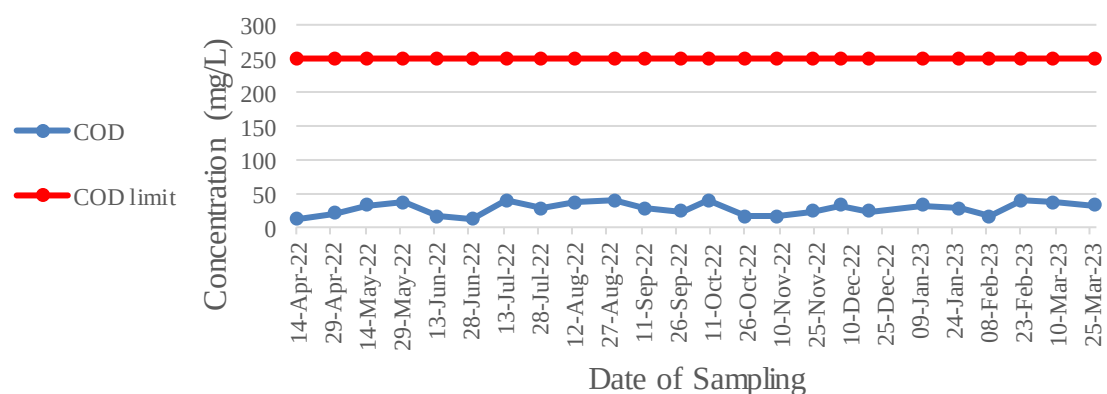


Table:484

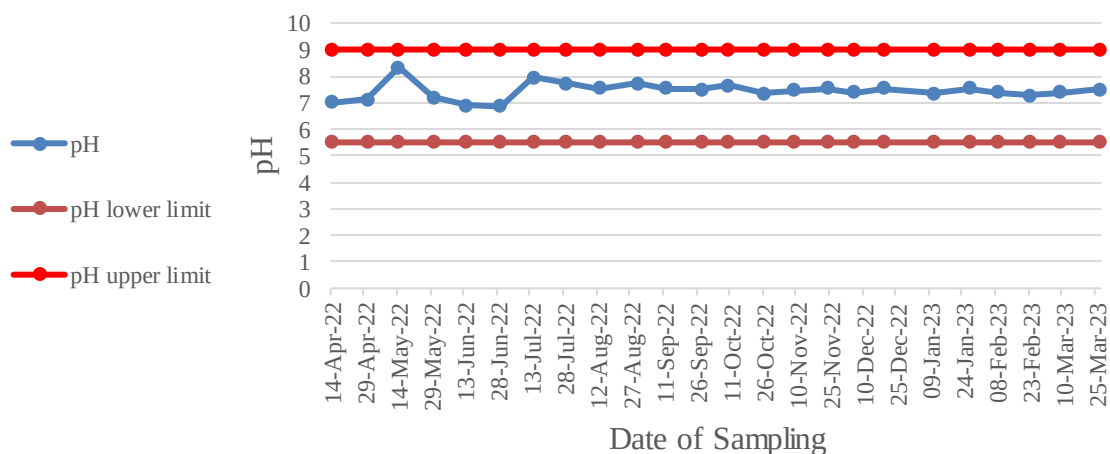
Area: Talcher

Project: Deulbera Colliery

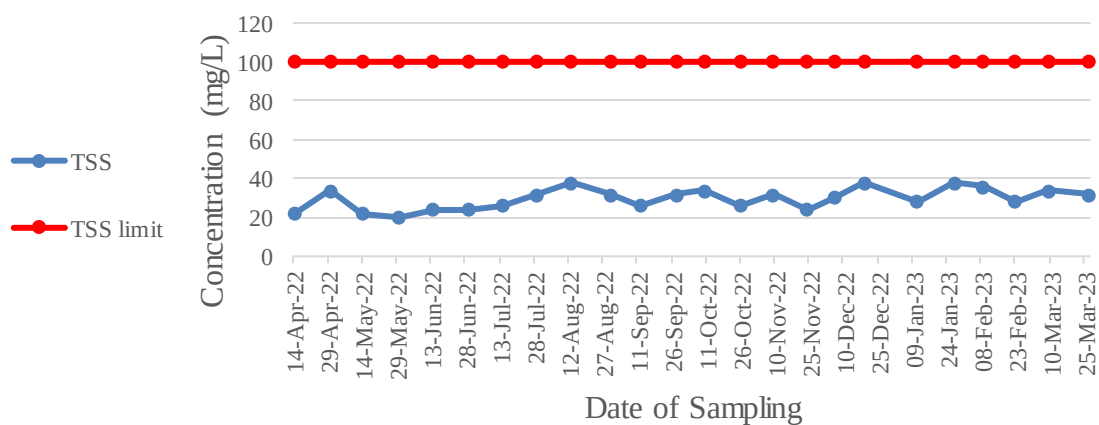
Monitoring Station: Ranipark Submersible Pump

Date of Sampling	pH	Oil & Grease	TSS	COD
14-Apr-22	7.01	<4.0	22	24
30-Apr-22	7.11	<4.0	34	32
14-May-22	8.34	<4.0	22	24
30-May-22	7.19	<4.0	20	16
14-Jun-22	6.89	<4.0	24	18
29-Jun-22	6.85	<4.0	24	28
14-Jul-22	7.93	<4.0	26	28
29-Jul-22	7.71	<4.0	32	40
13-Aug-22	7.52	<4.0	38	40
30-Aug-22	7.71	<4.0	32	28
12-Sep-22	7.54	<4.0	26	32
28-Sep-22	7.51	<4.0	32	36
10-Oct-22	7.63	<4.0	34	24
26-Oct-22	7.33	<4.0	26	12
09-Nov-22	7.47	<4.0	32	28
24-Nov-22	7.55	<4.0	24	32
06-Dec-22	7.37	<4.0	30	36
19-Dec-22	7.52	<4.0	38	20
11-Jan-23	7.33	<4.0	28	24
27-Jan-23	7.55	<4.0	38	36
09-Feb-23	7.39	<4.0	36	32
23-Feb-23	7.27	<4.0	28	32
09-Mar-23	7.39	<4.0	34	28
27-Mar-23	7.51	<4.0	32	40
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD
	5.5-9.0	10	100	250

Graph showing for pH Ranipark Submersible Pump



Graph showing for TSS Ranipark Submersible Pump



Graph showing for COD Ranipark Submersible Pump

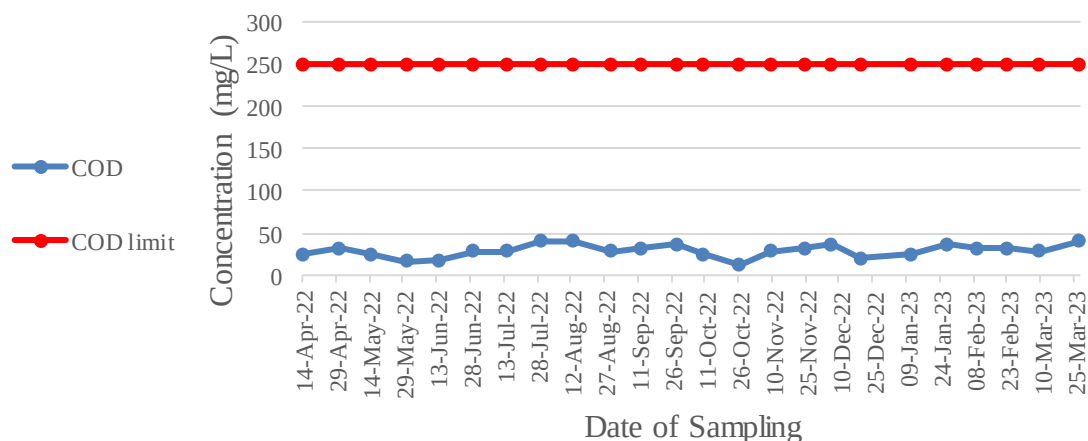
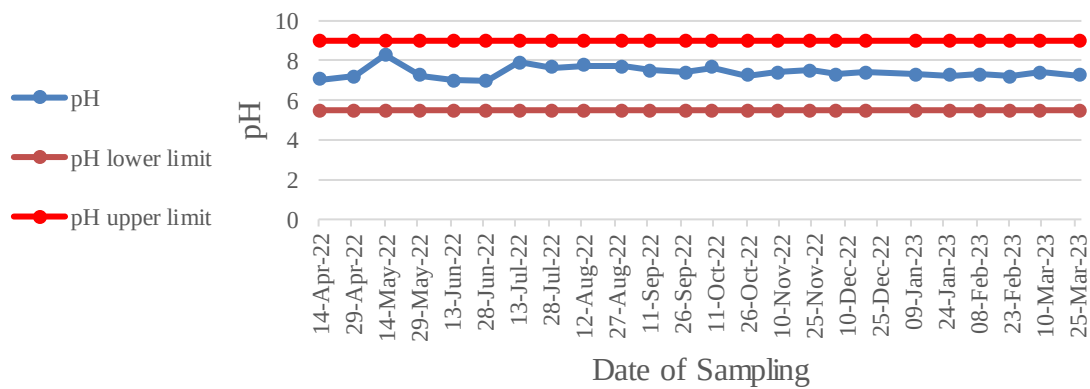


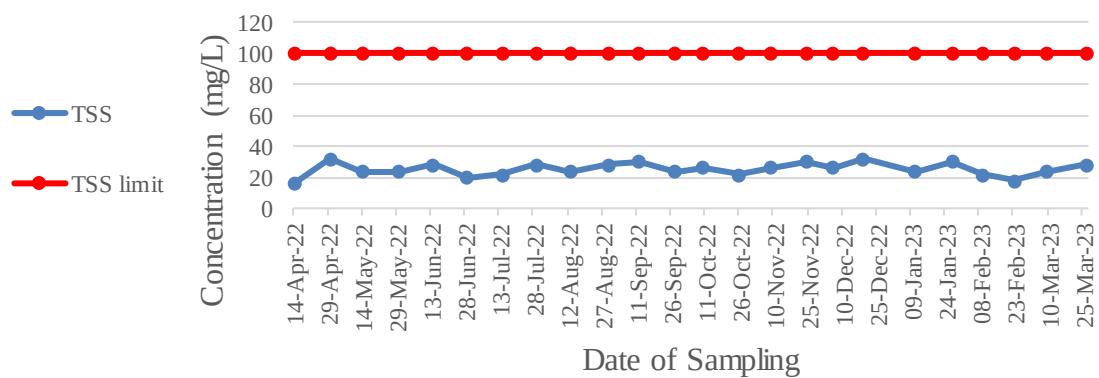
Table:485
Area: Talcher
Project: Handidhwa Colliery
Monitoring Station: Handidhwa Colliery Mine Discharge

Date of Sampling	pH	Oil & Grease	TSS	COD
14-Apr-22	7.05	<4.0	16	28
30-Apr-22	7.19	<4.0	32	36
14-May-22	8.29	<4.0	24	16
30-May-22	7.24	<4.0	24	20
14-Jun-22	7.02	<4.0	28	20
29-Jun-22	6.98	<4.0	20	24
14-Jul-22	7.89	<4.0	22	24
29-Jul-22	7.66	<4.0	28	20
13-Aug-22	7.74	<4.0	24	32
30-Aug-22	7.69	<4.0	28	16
12-Sep-22	7.49	<4.0	30	20
28-Sep-22	7.38	<4.0	24	16
10-Oct-22	7.67	<4.0	26	16
26-Oct-22	7.24	<4.0	22	8
09-Nov-22	7.41	<4.0	26	24
24-Nov-22	7.49	<4.0	30	20
06-Dec-22	7.29	<4.0	26	20
19-Dec-22	7.41	<4.0	32	28
11-Jan-23	7.28	<4.0	24	36
27-Jan-23	7.25	<4.0	30	48
09-Feb-23	7.31	<4.0	22	24
23-Feb-23	7.22	<4.0	18	20
09-Mar-23	7.41	<4.0	24	32
27-Mar-23	7.25	<4.0	28	36
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD
	5.5-9.0	10	100	250

Graph showing for pH Handhidhua Colliery Mine
Discharge



Graph showing for TSS Handhidhua Colliery Mine
Discharge



Graph showing for COD Handhidhua Colliery Mine
Discharge

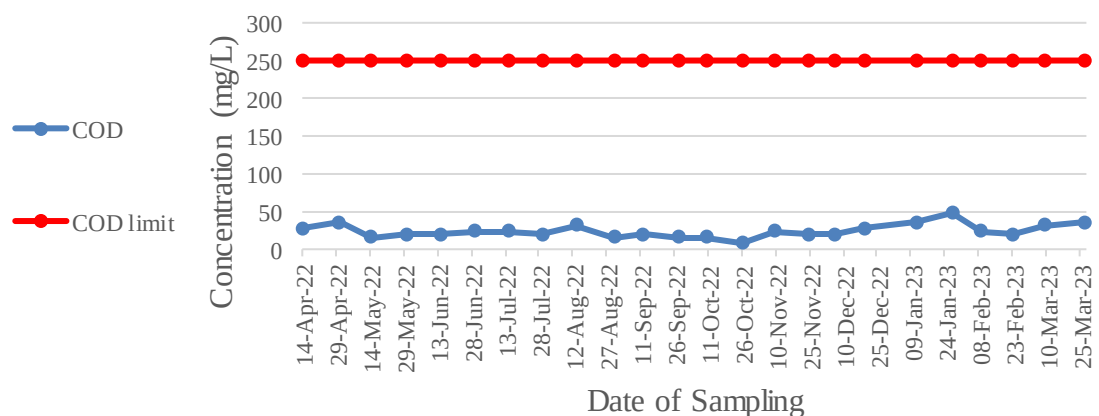
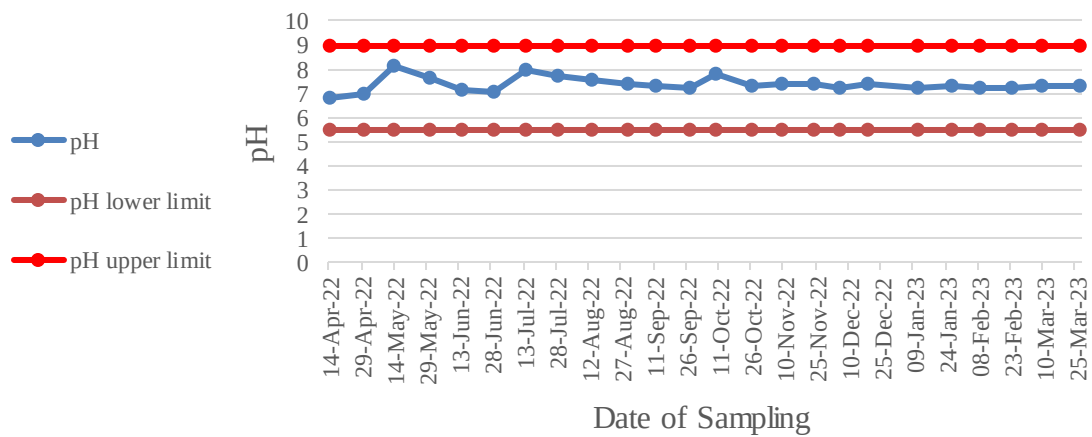


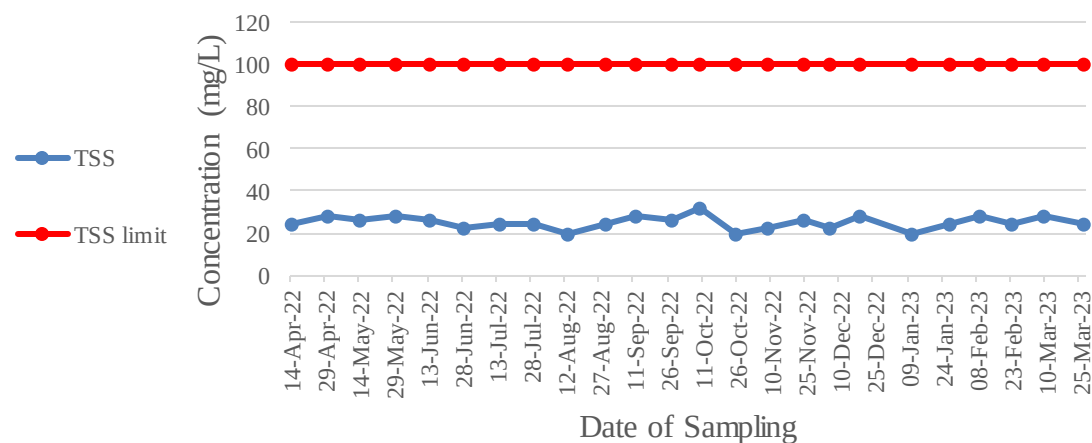
Table:486
Area: Talcher
Project: Handidhua Colliery
Monitoring Station: 19X Cut Road Bore Hole Point

Date of Sampling	pH	Oil & Grease	TSS	COD
14-Apr-22	6.83	<4.0	24	20
30-Apr-22	7.01	<4.0	28	24
14-May-22	8.12	<4.0	26	20
30-May-22	7.68	<4.0	28	24
14-Jun-22	7.14	<4.0	26	24
29-Jun-22	7.06	<4.0	22	32
14-Jul-22	7.97	<4.0	24	20
29-Jul-22	7.7	<4.0	24	16
13-Aug-22	7.59	<4.0	20	12
30-Aug-22	7.41	<4.0	24	12
12-Sep-22	7.33	<4.0	28	24
28-Sep-22	7.25	<4.0	26	20
10-Oct-22	7.81	<4.0	32	28
26-Oct-22	7.31	<4.0	20	16
09-Nov-22	7.37	<4.0	22	12
24-Nov-22	7.35	<4.0	26	16
06-Dec-22	7.23	<4.0	22	24
19-Dec-22	7.35	<4.0	28	36
11-Jan-23	7.19	<4.0	20	28
27-Jan-23	7.3	<4.0	24	20
09-Feb-23	7.19	<4.0	28	20
23-Feb-23	7.26	<4.0	24	16
09-Mar-23	7.33	<4.0	28	36
27-Mar-23	7.29	<4.0	24	20
MoEF Standard Notification dated 25th September, 2000 and MoEF Schedule VI, General standard for discharge of Environmental Pollutants Part A: Effluents	pH	Oil & Grease	TSS	COD
	5.5-9.0	10	100	250

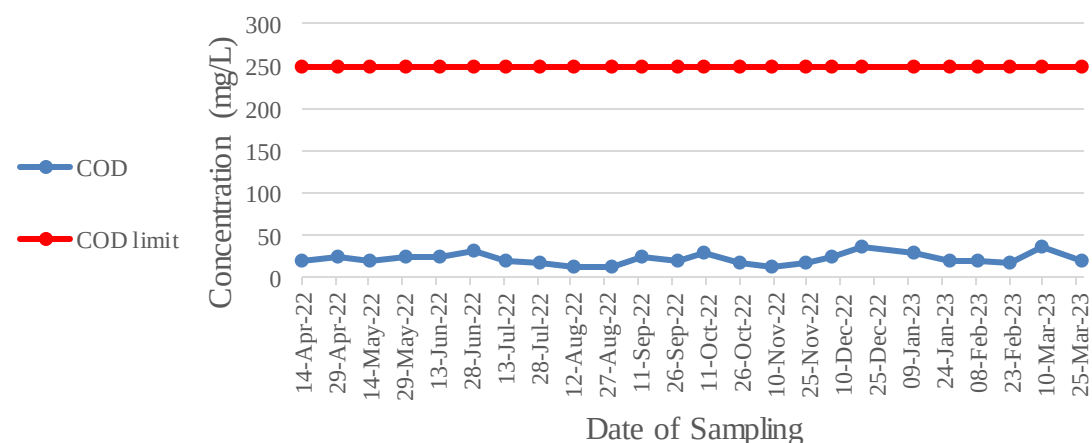
Graph showing for pH 19X Cut Road Bore Hole Point



Graph showing for TSS 19X Cut Road Bore Hole Point



Graph showing for COD 19X Cut Road Bore Hole Point



EFFLUENT 22P

Table:487

Project (OCP / UG)	Jagannath				MoEF-Sch-VI Standards
NAME OF THE STATION	O & G Trap Outlet	STP Outlet	Near MDTP	Jagannath Mine Pit Sump	
Date of Sampling	9-Nov-2022	9-Nov-2022	9-Nov-2022	27-Jan-2023	
Colour(Hazen)	1	2	2	3	—
Odour	Unobjectionable	Unobjectionable	Unobjectionable	Unobjectionable	—
Nitrate Nitrogen(mg/L)(As N)	<0.5	<0.5	<0.5	<0.5	10
Ammonical Nitrogen (mg/L) (As N)	0.20	0.36	0.33	0.43	50
Total Kjeldhal Nitrogen, mg/l (As N)	1.11	2.23	1.11	2.23	100
BOD [3 days at 27°C] (mg/L)	<2	<2	<2	<2	30
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	<0.05	<0.05	<0.05	0.1
Total Chromium(mg/L)	<0.01	<0.01	<0.01	<0.01	2
Copper(mg/L)	<0.03	<0.03	<0.03	<0.03	3
Zinc(mg/L)	<0.04	0.15	0.16	<0.04	5
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	0.05
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	2.0
Nickel(mg/L)	<0.02	<0.02	<0.02	<0.02	3
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3	2
Sulphide (mg/L)	<0.10	<0.10	<0.10	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	<0.001	<0.001	<0.001	1.0
Manganese(mg/L)	<0.04	<0.04	<0.04	<0.04	2
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	3
Disolved Phosphate(mg/L)	<4	<4	<4	<4	5

Table:488

Project (OCP / UG)	Ananta	MoEF-Sch-VI Standards
NAME OF THE STATION	Mine sump Water	
Date of Sampling	29-Nov-2021	
Colour(Hazen)	<1.0	—
Odour	Unobjectionable	—
Nitrate Nitrogen(mg/L)(As N)	<0.5	10
Ammonical Nitrogen (mg/L) (As N)	<0.5	50
Total Kjeldhal Nitrogen, mg/l (As N)	<1.0	100
BOD [3 days at 27°C] (mg/L)	<2.0	30
Arsenic(mg/L)	<0.005	0.2
Lead(mg/L)	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	0.1
Total Chromium(mg/L)	<0.02	2
Copper(mg/L)	<0.03	3
Zinc(mg/L)	<0.04	5
Selenium(mg/L)	<0.005	0.05
Cadmium(mg/L)	<0.001	2.0
Nickel(mg/L)	<0.1	3
Fluoride(mg/L)	<0.3	2
Sulphide (mg/L)	<0.1	2.0
Phenolic Compounds(mg/L)	<0.001	1.0
Manganese(mg/L)	<0.04	2
Iron(mg/L)	<0.1	3
Disolved Phosphate(mg/L)	<4.0	5

Table:489

Project (OCP / UG)	Bharatpur		MoEF-Sch-VI Standards
NAME OF THE STATION	Workshop ETP Clear Water Tank Outlet	STP Outlet	
Date of Sampling	10-Nov-2022	10-Nov-2022	
Colour(Hazen)	2	1	–
Odour	Unobjectionable	Unobjectionable	–
Temperature(°C)	<0.5	0.87	Shall not exceed 5 °C above the receiving temperature
Nitrate Nitrogen(mg/L)(As N)	<0.5	<0.5	10
Ammonical Nitrogen (mg/L) (As N)	0.49	0.36	50
Total Kjeldhal Nitrogen, mg/l (As N)	2.23	2.23	100
BOD [3 days at 27°C] (mg/L)	<2	<2	30
Arsenic(mg/L)	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	<0.05	0.1
Total Chromium(mg/L)	<0.01	<0.01	2
Copper(mg/L)	<0.03	<0.03	3
Zinc(mg/L)	0.15	0.17	5
Selenium(mg/L)	<0.005	<0.005	0.05
Cadmium(mg/L)	<0.001	<0.001	2.0
Nickel(mg/L)	<0.02	<0.02	3
Fluoride(mg/L)	<0.3	<0.3	2
Sulphide (mg/L)	<0.10	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	<0.001	1.0
Manganese(mg/L)	<0.04	<0.04	2
Iron(mg/L)	<0.1	<0.1	3
Disolved Phosphate(mg/L)	<4	<4	5

Table:490

Project (OCP / UG)	Bharatpur		MoEF-Sch-VI Standards
NAME OF THE STATION	Water Loading Point at South Quarry Sump	Mine Sump (Old Quarry Sump)	
Date of Sampling	10-Nov-2022	10-Nov-2022	
Colour(Hazen)	2	3	–
Odour	Unobjectionable	Unobjectionable	–
Temperature(°C)	<0.5		Shall not exceed 5 °C above the receiving temperature
Nitrate Nitrogen(mg/L)(As N)	<0.5	<0.5	10
Ammonical Nitrogen (mg/L) (As N)	0.38	<0.20	50
Total Kjeldhal Nitrogen, mg/l (As N)	2.23	1.14	100
BOD [3 days at 27°C] (mg/L)	<2	<2	30
Arsenic(mg/L)	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	<0.05	0.1
Total Chromium(mg/L)	<0.01	<0.01	2
Copper(mg/L)	<0.03	<0.03	3
Zinc(mg/L)	0.04	0.26	5
Selenium(mg/L)	<0.005	<0.005	0.05
Cadmium(mg/L)	<0.001	<0.001	2.0
Nickel(mg/L)	<0.02	<0.02	3
Fluoride(mg/L)	<0.3	<0.3	2
Sulphide (mg/L)	<0.10	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	<0.001	1.0
Manganese(mg/L)	<0.04	<0.04	2
Iron(mg/L)	<0.1	<0.1	3
Disolved Phosphate(mg/L)	<4	<4	5

Table:491

Project (OCP / UG)	Lingaraj			MoEF-Sch-VI Standards
NAME OF THE STATION	Inlet of Workshop ETP	Filter outlet of Workshop ETP	Inlet of ETP Near Dumper parking	
Date	31-May-2022	31-May-22	31-May-22	
Colour(Hazen)	<1.0	<1.0	<1.0	–
Odour	Unobjectionable	Unobjectionable	Unobjectionable	
Temperature(°C)	33.2	34.1	33.1	Shall not exceed 5 °C above the receiving temperature
Nitrate Nitrogen(mg/L)(As N)	<.5	<.5	3.69	10
Ammonical Nitrogen , mg/l (As N)	<0.5	<0.5	<0.5	50
Total Kjeldhal Nitrogen, mg/l (As N)	<1.0	<1.0	<1.0	100
BOD [3 days at 27°C] (mg/L)	<2.0	<2.0	<2.0	30
Arsenic, mg/l	<0.005	<0.005	<0.005	0.2
Lead, mg/l	<0.005	<0.005	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	<0.05	<0.05	0.1
Total Chromium(mg/L)	<0.02	<0.02	<0.02	2
Copper(mg/L)	<0.03	<0.03	<0.03	3
Zinc(mg/L)	<0.04	<0.04	<0.04	5
Selenium(mg/L)	<0.005	<0.005	<0.005	0.05
Cadmium, mg/l	<0.001	<0.001	<0.001	2
Nickel(mg/L)	<0.1	<0.1	<0.1	3
Fluoride(mg/L)	<0.3	<0.3	<0.3	2
Sulphide (mg/L)	<0.1	<0.1	<0.1	2
Phenolic Compounds(mg/L)	<0.001	<0.001	<0.001	1.0
Manganese(mg/L)	<0.04	<0.04	<0.04	2
Iron(mg/L)	<0.1	<0.1	<0.1	3
Disolved Phosphate(mg/L)	<4.0	<4.0	<4.0	5

Table:492

Project (OCP / UG)	Lingaraj		MoEF-Sch-VI Standards
NAME OF THE STATION	Clear Water Reservoir of ETP Near Dumper parking	Mine Sump Water	
Date	31-May-22	31-May-22	
Colour(Hazen)	<1.0	<1.0	
	Unobjectionable	Unobjectionable	
Temperature(°C)	32.7	36.5	Shall not exceed 5 °C above the receiving temperature
Nitrate Nitrogen(mg/L)(As N)	3.72	5.33	10
Ammonical Nitrogen , mg/l (As N)	<0.5	<0.5	50
Total Kjeldhal Nitrogen, mg/l (As N)	<1.0	<1.0	100
BOD [3 days at 27°C] (mg/L)	<2.0	<2.0	30
Arsenic, mg/l	<0.005	<0.005	0.2
Lead, mg/l	<0.005	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	<0.05	0.1
Total Chromium(mg/L)	<0.02	<0.02	2
Copper(mg/L)	<0.03	<0.03	3
Zinc(mg/L)	<0.04	<0.04	5
Selenium(mg/L)	<0.005	<0.005	0.05
Cadmium, mg/l	<0.001	<0.001	2
Nickel(mg/L)	<0.1	<0.1	3
Fluoride(mg/L)	<0.3	<0.3	2
Sulphide (mg/L)	<0.1	<0.1	2
Phenolic Compounds(mg/L)	<0.001	<0.001	1.0
Manganese(mg/L)	<0.04	<0.04	2
Iron(mg/L)	<0.1	<0.1	3
Disolved Phosphate(mg/L)	<4.0	<4.0	5

Table:493

Project (OCP / UG)	Lingaraj		MoEF-Sch-VI Standards
NAME OF THE STATION	Inlet of MDTP near Stock No 17	Clear water Reservoir of MDTP near Stock No 17	
Date	13-Aug-2022	13-Aug-22	
Colour(Hazen)	2	2	—
Temperature(°C)	24.6	24.8	Shall not exceed 5 °C above the receiving temperature
Nitrate Nitrogen(mg/L)(As N)	<0.5	<0.5	10
Ammonical Nitrogen , mg/l (As N)	0.82	0.36	50
Total Kjeldhal Nitrogen, mg/l (As N)	2.27	1.12	100
BOD [3 days at 27°C] (mg/L)	<2.0	<2.0	30
Arsenic, mg/l	<0.005	<0.005	0.2
Lead, mg/l	<0.005	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	<0.05	0.1
Total Chromium(mg/L)	<0.01	<0.01	2
Copper(mg/L)	<0.03	<0.03	3
Zinc(mg/L)	<0.04	<0.04	5
Selenium, mg/l	<0.005	<0.005	0.05
Cadmium, mg/l	<0.001	<0.001	2
Nickel(mg/L)	<0.02	<0.02	3
Fluoride(mg/L)	<0.30	<0.30	2
Sulphide (mg/L)	<0.10	<0.10	2
Phenolics Compounds, mg/l	<0.001	<0.001	1.0
Manganese(mg/L)	<0.04	<0.04	2
Iron(mg/L)	<0.10	<0.10	3
Disolved Phosphate(mg/L)	<4.0	<4.0	5

Table:494

Project (OCP / UG)	Lingaraj		MoEF-Sch-VI Standards
NAME OF THE STATION	Inlet of Sedimentation Pond Complex near Lingraj siding	Clear Water tank of Sedimentation Pond Complex near Lingraj siding	
Date of Sampling	10-Nov-2022	10-Nov-2022	
Colour(Hazen)	2	1	—
Odour	Unobjectionable	Unobjectionable	—
Temperature(°C)	4.48	<0.50	Shall not exceed 5 °C above the receiving temperature
Nitrate Nitrogen(mg/L)(As N)	<0.5	<0.5	10
Ammonical Nitrogen (mg/L) (As N)	0.41	0.43	50
Total Kjeldhal Nitrogen, mg/l (As N)	2.22	2.22	100
BOD [3 days at 27°C] (mg/L)	<2	<2	30
Arsenic(mg/L)	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	<0.05	0.1
Total Chromium(mg/L)	<0.01	<0.01	2
Copper(mg/L)	<0.03	<.03	3
Zinc(mg/L)	<0.04	0.06	5
Selenium(mg/L)	<0.005	<0.005	0.05
Cadmium(mg/L)	<0.001	<0.001	2.0
Nickel(mg/L)	<0.02	<0.02	3
Fluoride(mg/L)	<0.3	<0.3	2
Sulphide (mg/L)	<1.10	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	<0.001	1.0
Manganese(mg/L)	<0.04	<0.04	2
Iron(mg/L)	<0.1	<0.1	3
Disolved Phosphate(mg/L)	<4	<4	5

Table:495

Project (OCP / UG)	Lingaraj		MoEF-Sch-VI Standards
NAME OF THE STATION	Inlet of Sedimentaion Pond Complex Near Project office	Clear Water Reservoir of Sedimentation Pond Complex Near Project office	
Date of Sampling	10-Nov-2022	10-Nov-2022	
Colour(Hazen)	3	1	–
Odour	Unobjectionable	Unobjectionable	–
Temperature(°C)	<0.5	4.61	Shall not exceed 5 °C above the receiving temperature
Nitrate Nitrogen(mg/L)(As N)	<0.5	<0.5	10
Ammonical Nitrogen (mg/L) (As N)	<0.20	<0.20	50
Total Kjeldhal Nitrogen, mg/l (As N)	1.11	2.22	100
BOD [3 days at 27°C] (mg/L)	<2	<2	30
Arsenic(mg/L)	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	<0.05	0.1
Total Chromium(mg/L)	<0.01	<0.01	2
Copper(mg/L)	<0.03	<0.03	3
Zinc(mg/L)	<0.04	<0.11	5
Selenium(mg/L)	<0.005	<0.005	0.05
Cadmium(mg/L)	<0.001	<0.001	2.0
Nickel(mg/L)	<0.02	<0.02	3
Fluoride(mg/L)	<0.3	<0.3	2
Sulphide (mg/L)	<0.10	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	<0.001	1.0
Manganese(mg/L)	<0.04	<0.04	2
Iron(mg/L)	<0.1	<0.1	3
Disolved Phosphate(mg/L)	<4	<4	5

Table:496

Project (OCP / UG)	Kaniha	MoEF-Sch-VI Standards
NAME OF THE STATION	Clear Water Pond (Inflow)	
Date of Sampling	11-Nov-2022	
Colour(Hazen)	3	–
Odour		–
Nitrate Nitrogen(mg/L)(As N)	<0.5	10
Ammonical Nitrogen (mg/L) (As N)	<0.20	50
Total Kjeldhal Nitrogen, mg/l (As N)	1.11	100
BOD [3 days at 27°C] (mg/L)	<2	30
Arsenic(mg/L)	<0.005	0.2
Lead(mg/L)	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	0.1
Total Chromium(mg/L)	<0.01	2
Copper(mg/L)	<0.03	3
Zinc(mg/L)	0.23	5
Selenium(mg/L)	<0.005	0.05
Cadmium(mg/L)	<0.001	2.0
Nickel(mg/L)	<0.02	3
Fluoride(mg/L)	<0.3	2
Sulphide (mg/L)	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	1.0
Manganese(mg/L)	<0.04	2
Iron(mg/L)	<0.1	3
Disolved Phosphate(mg/L)	<4	5

Table:497

Project (OCP / UG)	Balaram	MoEF-Sch-VI Standards
NAME OF THE STATION	Mine Sump Water	
Date of Sampling	11-Nov-2022	
Colour(Hazen)	2	–
Odour	Unobjectionable	–
Nitrate Nitrogen(mg/L)(As N)	<0.5	10
Ammonical Nitrogen (mg/L) (As N)	0.33	50
Total Kjeldhal Nitrogen, mg/l (As N)	2.22	100
BOD [3 days at 27°C] (mg/L)	<2	30
Arsenic(mg/L)	<0.005	0.2
Lead(mg/L)	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	0.1
Total Chromium(mg/L)	<0.01	2
Copper(mg/L)	<0.03	3
Zinc(mg/L)	<0.04	5
Selenium(mg/L)	<0.005	0.05
Cadmium(mg/L)	<0.001	2.0
Nickel(mg/L)	<0.02	3
Fluoride(mg/L)	<0.3	2
Sulphide (mg/L)	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	1.0
Manganese(mg/L)	<0.04	2
Iron(mg/L)	<0.1	3
Disolved Phosphate(mg/L)	<4	5

Table:498

Project (OCP / UG)	Hingula	MoEF-Sch-VI Standards
NAME OF THE STATION	Mine Sump Water	
Date of Sampling	11-Nov-2022	
Colour(Hazen)	4	–
Odour	Unobjectionable	–
Nitrate Nitrogen(mg/L)(As N)	<0.5	10
Ammonical Nitrogen (mg/L) (As N)	0.37	50
Total Kjeldhal Nitrogen, mg/l (As N)	2.22	100
BOD [3 days at 27oC] (mg/L)	<2	30
Arsenic(mg/L)	<0.005	0.2
Lead(mg/L)	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	0.1
Total Chromium(mg/L)	<0.01	2
Copper(mg/L)	<0.03	3
Zinc(mg/L)	0.08	5
Selenium(mg/L)	<0.005	0.05
Cadmium(mg/L)	<0.001	2.0
Nickel(mg/L)	<0.02	3
Fluoride(mg/L)	<0.3	2
Sulphide (mg/L)	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	1.0
Manganese(mg/L)	<0.04	2
Iron(mg/L)	<0.1	3
Disolved Phosphate(mg/L)	<4	5

Table:499

Project (OCP / UG)	Talcher Colliery	MoEF-Sch-VI Standards
NAME OF THE STATION	Talcher Colliery Sedimentation Tank Discharge	
Date of Sampling	9-Nov-2022	
Colour(Hazen)	3	—
Odour	Unobjectionable	—
Nitrate Nitrogen(mg/L)(As N)	<0.5	10
Ammonical Nitrogen (mg/L) (As N)	0.30	50
Total Kjeldhal Nitrogen, mg/l (As N)	2.22	100
BOD [3 days at 27°C] (mg/L)	<2	30
Arsenic(mg/L)	<0.005	0.2
Lead(mg/L)	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	0.1
Total Chromium(mg/L)	<0.01	2
Copper(mg/L)	<0.03	3
Zinc(mg/L)	0.16	5
Selenium(mg/L)	<0.005	0.05
Cadmium(mg/L)	<0.001	2.0
Nickel(mg/L)	<0.02	3
Fluoride(mg/L)	<0.3	2
Sulphide (mg/L)	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	1.0
Manganese(mg/L)	0.05	2
Iron(mg/L)	<0.1	3
Disolved Phosphate(mg/L)	<4	5

Table:500

Project (OCP / UG)	Nandira Colliery	MoEF-Sch-VI Standards
NAME OF THE STATION	Nandira Colliery Sedimentation Tank Discharge	
Date of Sampling	9-Nov-2022	
Colour(Hazen)	3	–
Odour	Unobjectionable	–
Nitrate Nitrogen(mg/L)(As N)	<0.5	10
Ammonical Nitrogen (mg/L) (As N)	0.37	50
Total Kjeldhal Nitrogen, mg/l (As N)	2.22	100
BOD [3 days at 27°C] (mg/L)	<2	30
Arsenic(mg/L)	<0.005	0.2
Lead(mg/L)	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	0.1
Total Chromium(mg/L)	<0.01	2
Copper(mg/L)	<0.03	3
Zinc(mg/L)	0.04	5
Selenium(mg/L)	<0.005	0.05
Cadmium(mg/L)	<0.001	2.0
Nickel(mg/L)	<0.02	3
Fluoride (mg/L)	<0.3	2
Sulphide (mg/L)	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	1.0
Manganese(mg/L)	<0.04	2
Iron(mg/L)	<0.1	3
Disolved Phosphate(mg/L)	<4	5

Table:501

Project (OCP / UG)	Deulbera Colliery		MoEF-Sch-VI Standards
NAME OF THE STATION	Deulbera Colliery Mine Discharge at Pit Top	Rani Park Submersible Pump	
Date of Sampling	9-Nov-2022	9-Nov-2022	
Colour(Hazen)	2	2	—
Odour	Unobjectionable	Unobjectionable	—
Nitrate Nitrogen(mg/L)(As N)	<0.5	<0.5	10
Ammonical Nitrogen (mg/L) (As N)	0.35	<0.20	50
Total Kjeldhal Nitrogen, mg/l (As N)	2.23	1.11	100
BOD [3 days at 27oC] (mg/L)	<2	<2	30
Arsenic(mg/L)	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	<0.05	0.1
Total Chromium(mg/L)	<0.01	<0.01	2
Copper(mg/L)	<0.03	<0.03	3
Zinc(mg/L)	1.97	0.05	5
Selenium(mg/L)	<0.005	<0.005	0.05
Cadmium(mg/L)	<0.001	<0.001	2.0
Nickel(mg/L)	<0.02	<0.02	3
Fluoride(mg/L)	<0.3	<0.3	2
Sulphide (mg/L)	<0.10	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	<0.001	1.0
Manganese(mg/L)	0.07	<0.04	2
Iron(mg/L)	<0.1	0.2	3
Disolved Phosphate(mg/L)	<4	<4	5

Table:502

Project (OCP / UG)	Handhidhua Colliery		MoEF-Sch-VI Standards
NAME OF THE STATION	Handhidhua Colliery Mine Discharge	19X Cut Road Bore Hole Point	
Date of Sampling	9-Nov-2022	9-Nov-2022	
Colour(Hazen)	2	1	–
Odour	Unobjectionable	Unobjectionable	–
Nitrate Nitrogen(mg/L)(As N)	<0.5	<0.5	10
Ammonical Nitrogen (mg/L) (As N)	0.41	<0.20	50
Total Kjeldhal Nitrogen, mg/l (As N)	2.23	1.11	100
BOD [3 days at 27oC] (mg/L)	<2	<2	30
Arsenic(mg/L)	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	0.1
Hexavalent Chromium(mg/L)	<0.05	<0.05	0.1
Total Chromium(mg/L)	<0.01	<0.01	2
Copper(mg/L)	<0.03	<0.03	3
Zinc(mg/L)	0.16	<0.04	5
Selenium(mg/L)	<0.005	<0.005	0.05
Cadmium(mg/L)	<0.001	<0.001	2.0
Nickel(mg/L)	<0.02	<0.02	3
Fluoride(mg/L)	<0.3	<0.3	2
Sulphide (mg/L)	<0.10	<0.10	2.0
Phenolic Compounds(mg/L)	<0.001	<0.001	1.0
Manganese(mg/L)	<0.04	<0.04	2
Iron(mg/L)	<0.1	<0.1	3
Disolved Phosphate(mg/L)	<4	<4	5

9.2.2 SURFACE WATER ANALYTICAL RESULTS

Table:503

Project/OCP	Jagannath				Ananta	IS:2296-1982 Tolerance for inland Surface water (Class C)
NAME OF STATIONS	Upstream of Bangaru Jhor	Downstream of Banagaru Jhor	East Sump	Central Sump	Mine Sump Water	
Date of sampling	26-May-22	26-May-22	26-May-22	26-May-22	26-May-22	
pH	7.78	7.71	7.91	7.98	6.28	6.5-8.5
Dissolved Oxygen(mg/L)	6.6	6.2	6.4	6.2	6.1	4
BOD (3 days 27°C(mg/L)	<2	<2	<2	<2	<2	3
Color (Hazen unit)	3	4	2	3	4	300
Total dissolved solids (mg/L)	826	822	580	576	1036	1500
TSS(mg/L)	28	22	38	32	40	-
Total Hardness(mg/L)	592	592	363	294	762	-
Copper(mg/L)	<0.03	<0.03	<0.03	<0.03	<0.03	1.5
Iron(mg/L)	<0.1	<0.1	0.1	<0.1	<0.1	50
Chlorides(mg/L)	46.27	48.2	23.14	23.14	25.06	600
Sulphate(mg/L)	168.4	211.2	111.3	137.0	186.2	400
Nitrate(mg/L)	21.65	21.74	0.52	<0.5	13.20	50
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	0.1
Zinc(mg/L)	<0.04	<0.04	0.09	0.09	0.29	15
Chromium(as Cr ⁶⁺)(mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	0.05
Oil & Grease (mg/L)	<4.0	<4.0	<4.0	<4.0	<4.0	0.1
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	0.05
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	-
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	0.005
MPN (Index/100 ml)	5.6	6	4	4	2	-
Residual Free Chlorine (mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	0.2

Table:504

Project/OCP	Bharatpur				IS:2296-1982 Tolerance for inland Surface water (Class C)
NAME OF STATIONS	Bangaru Jhor river near Joragarhia as downstream water point of Bharatpur OCP, No discharge from BOCP only to check surface water quality	Bangaru Jhor river near upstream water point of Bharatpur OCP, No discharge from BOCP only to check surface water quality	Pond Water near N-W point of mine	Jambubahali Village Pond	
Date of sampling	25-May-22	25-May-22	25-May-22	25-May-22	
pH	7.76	8.04	8.16	8.32	6.5-8.5
Dissolved Oxygen(mg/L)	6.2	6.6	5.9	6.8	4
BOD (3 days 27°C(mg/L)	<2	<2	<2	<2	3
Color (Hazen unit)	3	4	2	1	300
Total dissolved solids (mg/L)	652	638	704	204	1500
TSS (mg/L)	44	38	36	46	-
Total Hardness (mg/L)	407	363	544	129	-
Copper (mg/L)	<0.03	<0.03	<0.03	<0.03	1.5
Iron (mg/L)	<0.1	<0.1	<0.1	<0.1	50
Chlorides(mg/L)	36.63	30.85	32.78	15.42	600
Sulphate(mg/L)	179.8	198.2	188.3	34.81	400
Nitrate(mg/L)	1.28	3.87	0.51	<0.5	50
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.1
Zinc(mg/L)	0.17	<0.04	<0.04	<0.04	15
Chromium (as Cr ⁶)(mg/L)	<0.05	<0.05	<0.05	<0.05	0.05
Oil & Grease (mg/L)	<4.0	<4.0	<4.0	<4.0	0.1
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	0.05
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	-
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	0.005
MPN (Index/100 ml)	6.1	8.1	8.2	9.2	-
Residual Free Chlorine (mg/L)	<0.2	<0.2	<0.2	<0.2	0.2

Table:505

Project/OCP	Lingraj			IS:2296-1982 Tolerance for inland Surface water (Class C)
NAME OF STATIONS	Village pond near Deulbera siding			
Date of sampling	25-May-22	29-Aug-22	30-Jan-23	
pH	7.92	7.69	7.92	6.5-8.5
Dissolved Oxygen(mg/L)	5.9	5.7	6.3	4
BOD (3 days 27°C (mg/L)	<2	<2	<2	3
Color (Hazen unit)	2	2	1	300
Total dissolved solids (mg/L)	658	622	554	1500
TSS(mg/L)	56	64	56	-
Total Hardness(mg/L)	440	419	353	-
Copper(mg/L)	<0.03	<0.03	<0.03	1.5
Iron(mg/L)	<0.1	<0.1	0.366	50
Chlorides(mg/L)	38.56	42.42	50.88	600
Sulphate(mg/L)	202.6	163.5	153.34	400
Nitrate(mg/L)	0.58	<2	<2	50
Fluoride(mg/L)	<0.3	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	<0.005	0.1
Zinc(mg/L)	0.08	<0.04	0.437	15
Chromium (as Cr ₆) (mg/L)	<0.05	<0.05	<0.05	0.05
Oil & Grease (mg/L)	<4.0	<4.0	<4.0	0.1
Selenium(mg/L)	<0.005	<0.005	<0.005	0.05
Total Chromium (mg/L)	<0.01	<0.01	<0.01	—
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.005
MPN (Index/100 ml)	8.2	9.2	5.8	—
Residual Free Chlorine (mg/L)	<0.2	<0.2	<0.2	0.2

Table:506

Project/OCP	Kaniha				IS:2296-1982 Tolerance for inland Surface water (Class C)
NAME OF STATIONS	Singada jhor stream nearer to Bhagirathipur as u/s Water for Kaniha OCP	Singada jhor stream near village Khairnali Bhagirathipur as u/s water for Kaniha OCP	Before Junction Point of Singadajhor & Brahmani River at Balangi Village as d/s for Kaniha OCP	Tikra Nadi Near Kaniah Village as u/s Water for Kaniah OCP	
Date of sampling	30-Jan-23	30-Jan-23	30-Jan-23	30-Jan-23	
pH	8.04	8.08	8.40	8.42	6.5-8.5
Dissolved Oxygen(mg/L)	6.8	6.6	6.2	6.0	4
BOD (3 days 27°C(mg/L)	<2	<2	<2	<2	3
Color (Hazen unit)	3	4	3	2	300
Total dissolved solids (mg/L)	86	88	272	276	1500
TSS(mg/L)	28	34	30	36	-
Total Hardness(mg/L)	40	44	165	181	-
Copper(mg/L)	<0.03	<0.03	<0.03	<0.03	1.5
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	50
Chlorides(mg/L)	13.7	11.7	25.44	27.4	600
Sulphate(mg/L)	12.91	11.90	69.37	70.76	400
Nitrate(mg/L)	<2	<2	<2.0	<2.0	50
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.1
Zinc(mg/L)	0.082	0.058	0.050	0.048	15
Chromium(as Cr ⁶)(mg/L)	<0.05	<0.05	<0.05	<0.05	0.05
Oil & Grease (mg/L)	<4.0	<4.0	<4.0	<4.0	0.1
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	0.05
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	-
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	0.005
MPN (Index/100 ml)	6.8	6.1	5.8	4.0	-
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	0.2

Table:507

Project/OCP	Hingula									IS:2296-1982 Tolerance for inland Surface water (Class C)
NAME OF STATIONS	Singadhajhor Stream Near Kumunda village			Singadhajhor Stream Near Baghabaspur village			Pond Water of Kankarei Village			
Date of sampling	25-May-22	26-Aug-22	30-Jan-23	25-May-22	26-Aug-22	30-Jan-23	25-May-22	26-Aug-22	30-Jan-23	
pH	8.25	8.10	8.34	8.31	8.16	7.92	8.24	8.08	8.22	6.5-8.5
Dissolved Oxygen(mg/L)	6.2	6.4	5.8	6.4	6.3	5.6	6.0	6.8	6.1	4
BOD (3 days 27°c(mg/L)	<2	<2	<2	<2	<2	<2	<2	<2	<2	3
Color(Hazen unit)	1	1	2	2	1	2	3	1	1	300
Total dissolved solids (mg/L)	190	218	302	372	356	296	136	148	228	1500
TSS(mg/L)	64	68	46	68	74	50	36	46	44	-
Total Hardness(mg/L)	109	93	161	226	205	173	52	60	72	-
Copper(mg/L)	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	1.5
Iron(mg/L)	0.26	<0.1	<0.1	<0.1	<0.1	0.143	0.28	<0.1	<0.1	50
Chlorides(mg/L)	13.50	19.28	27.40	25.06	28.92	21.53	21.21	25.06	23.48	600
Sulphate(mg/L)	155.5	133.7	56.38	78.18	69.82	48.36	21.12	17.36	38.45	400
Nitrate(mg/L)	<0.5	<2	<2.0	<0.5	<2	<2.0	1.0	<2	<2.0	50
Fluoride(mg/L)	<0.30	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.1
Zinc(mg/L)	<0.04	0.24	0.065	<0.04	<0.04	0.070	<0.04	<0.04	0.056	15
Chromium(as Cr ⁶⁺)(mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05
Oil & Grease (mg/L)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	0.1
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.05
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	—
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.005
MPN (Index/100 ml)	10	8.2	5.8	8.1	8.3	6.1	6.1	6.1	4	—
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2

Table:508

Project/OCP	Balram						IS :2296-1982 Tolerance for inland Surface water (Class C)
NAME OF STATIONS	Derjenga reservoir as a part of Impact Study			Pond water of Ambapal Village			
Date of sampling	25-May-22	26-Aug-22	30-Jan-23	25-May-22	26-Aug-22	30-Jan-23	
pH	7.84	7.69	8.19	8.01	7.87	8.23	6.5-8.5
Dissolved Oxygen(mg/L)	6.6	6.4	5.7	6.5	6.6	5.6	4
BOD (3 days 27°c(mg/L)	<2	<2	<2	<2	<2	<2	3
Color (Hazen unit)	2	2	2	2	3	2	300
Total dissolved solids (mg/L)	230	248	226	390	368	254	1500
TSS(mg/L)	40	48	38	66	70	44	-
Total Hardness(mg/L)	113	93	108	85	72	100	-
Copper(mg/L)	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	1.5
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	50
Chlorides(mg/L)	17.35	23.14	31.31	90.62	96.4	43.05	600
Sulphate(mg/L)	23.54	18.34	37.38	44.09	36.24	46.32	400
Nitrate(mg/L)	0.61	<2	<2.0	0.91	<2	<2.0	50
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.001	<0.005	<0.005	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.1
Zinc(mg/L)	<0.04	<0.04	0.059	0.1	<0.04	0.042	15
Chromium(as Cr ⁶)(mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05
Oil & Grease (mg/L)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	0.1
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.05
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	—
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.005
MPN (Index/100 ml)	12	4	3.7	14	4	3.6	—
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2

Table:509

Project/OCP	Talcher	Nandira	Deulbera	Mandapal SandMine			IS:2296-1982 Tolerance for inland Surface water (Class C)
NAME OF STATIONS	Pond Water of Dera Village	Jambubahali Village Pond	Pond Water of Gopinathpur Village	Upstream - At 200 m before leasehold area			
Date of sampling	25-May-22	31-Jan-23	24-May-22	24-May-22	30-Aug-22	31-Jan-23	
pH	7.26	8.25	8.17	8.24	8.02	8.02	6.5-8.5
Dissolved Oxygen(mg/L)	6.7	6.6	6.6	6.8	6.8	6.5	4
BOD (3 days 27°c(mg/L)	<2	<2	<2	<2	<2	<2	3
Color (Hazen unit)	3	2	2	1	1	3	300
Total dissolved solids (mg/L)	270	176	188	116	128	102	1500
TSS(mg/L)	48	38	42	38	42	38	-
Total Hardness(mg/L)	93	108	85	60	64	48	-
Copper(mg/L)	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	1.5
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	50
Chlorides(mg/L)	55.91	13.7	15.42	11.57	15.42	19.57	600
Sulphate(mg/L)	38.81	48.10	28.25	13.27	11.72	26.31	400
Nitrate(mg/L)	1.0	<2.0	<0.5	<0.5	<2	<2.0	50
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.1
Zinc(mg/L)	0.06	<0.04	<0.04	<0.04	<0.04	0.055	15
Chromium(as Cr ⁶⁺)(mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05
Oil & Grease (mg/L)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	0.1
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.05
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	—
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.005
MPN (Index/100 ml)	11	6.8	14	8.1	5.5	5.8	—
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2

Table:510

Project/OCF	Mandapal Sand Mine			Kakudi and Kishoripal Village						IS:2296-1982 Tolerance for inland Surface water (Class C)
NAME OF STATIONS	Downstream - At 200 m after leasehold area			Upstream - At 200 m before leasehold area			Downstream - At 200 m after leasehold area			
Date of sampling	24-May-22	30-Aug-22	31-Jan-23	24-May-22	30-Aug-22	31-Jan-23	24-May-22	30-Aug-22	31-Jan-23	
pH	8.15	8.18	7.97	8.19	8.09	8.01	8.08	8.23	7.95	6.5-8.5
Dissolved Oxygen(mg/L)	6.4	7.0	6.3	6.2	6.5	6.70	6.0	6.0	6.2	4
BOD (3 days 27°c(mg/L)	<2	<2	<2	<2	<2	<2	<2	<2	<2	3
Color (Hazen unit)	2	2	3	2	1	1	3	1	1	300
Total dissolved solids (mg/L)	112	144	108	110	116	90	114	124	96	1500
TSS(mg/L)	30	54	46	28	38	30	24	48	36	-
Total Hardness(mg/L)	77	85	56	69	60	52	73	68	56	-
Copper(mg/L)	<0.03	<0.03	<0.03	<0.03	<0.03	0.03	<0.03	<0.03	<0.03	1.5
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	50
Chlorides(mg/L)	11.57	17.35	23.48	13.50	11.57	17.61	9.64	15.42	21.53	600
Sulphate(mg/L)	40.98	35.86	20.95	13.98	13.61	26.79	35.42	32.65	34.61	400
Nitrate(mg/L)	0.55	<2	<2.0	0.78	<2	<2.0	0.52	<2	<2.0	50
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1.5
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.01
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.2
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.1
Zinc(mg/L)	<0.04	<0.04	0.063	<0.04	<0.04	0.070	<0.04	<0.04	0.094	15
Chromium(as Cr ⁶)(mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05
Oil & Grease (mg/L)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	0.1
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.05
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	—
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.005
MPN (Index/100 ml)	11	6.1	6.1	8.1	5.6	6.1	8.2	6.1	6.8	—
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2

9.2.3 WELL WATER ANALYTICAL RESULTS

Table:511

Area: Jagannath

Project: Ananta OCP

Monitoring Station: Dera village well

Date of sampling	Water level
21-May-22	5.93
11-Aug-22	1.35
24-Nov-22	1.95
04-Jan-23	1.95

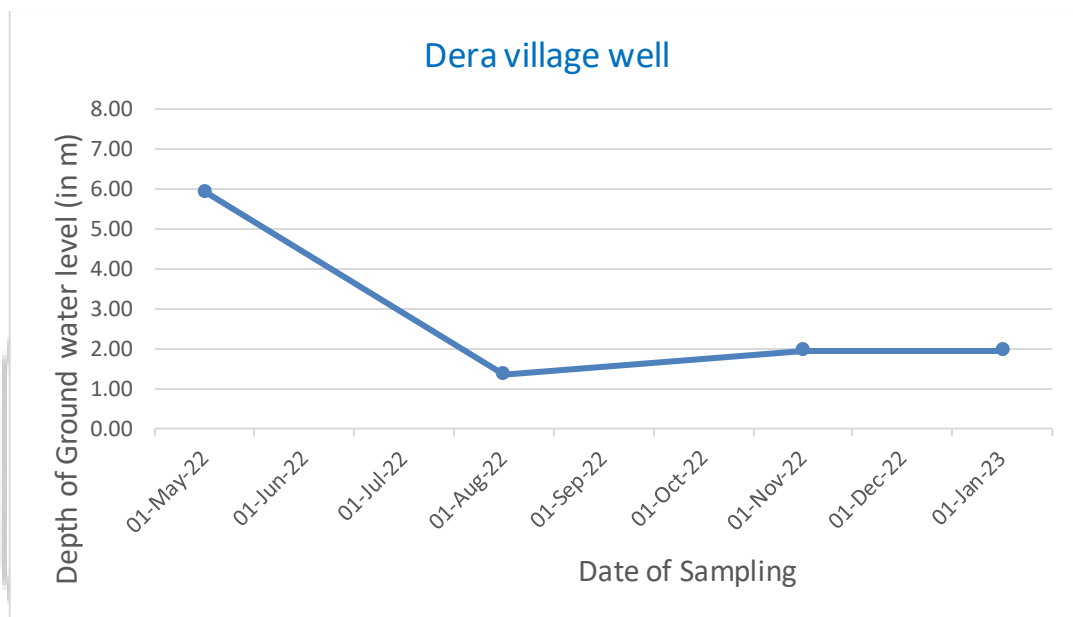
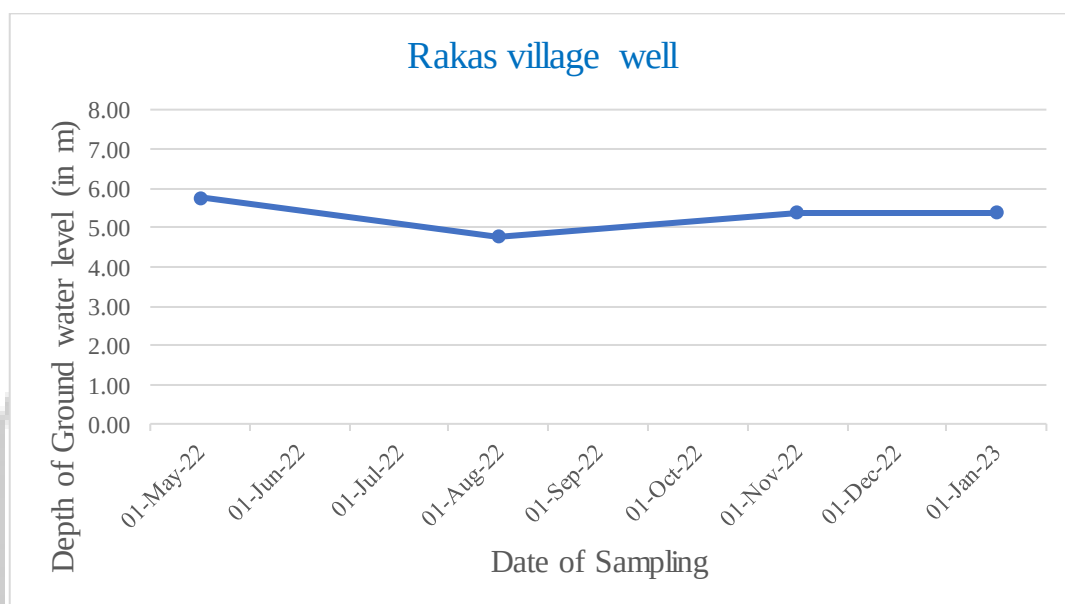


Table:512
Area: Jagannath
Project: Jagannath OCP
Monitoring Station: Rakas village well

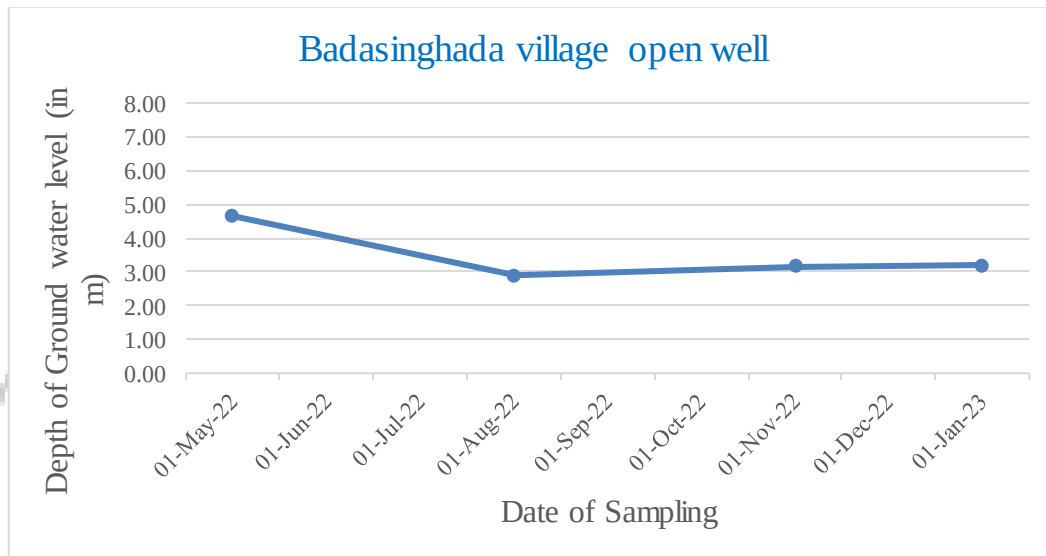
Date of sampling	Water level
21-May-22	5.77
11-Aug-22	4.76
24-Nov-22	5.37
04-Jan-23	5.38



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Table:513
Area: Bharatpur
Project: Bharatpur OCP
Monitoring Station: Badasinghada village open well

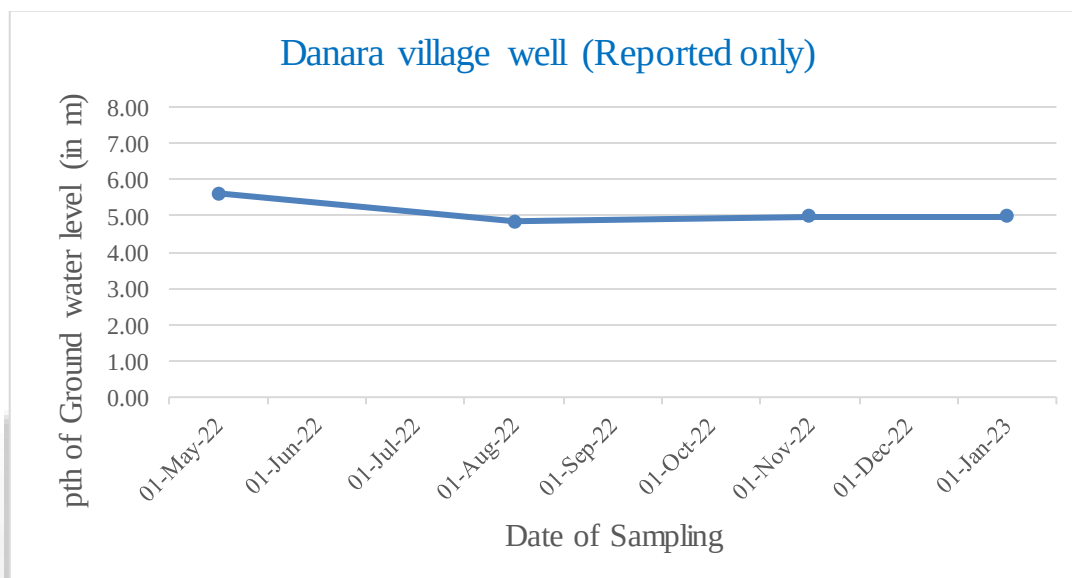
Date of sampling	Water level
21-May-22	4.65
11-Aug-22	2.90
25-Nov-22	3.17
05-Jan-23	3.19



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Table:514
Area: Bharatpur
Project: Bharatpur OCP
Monitoring Station: Danara village well (Reported only)

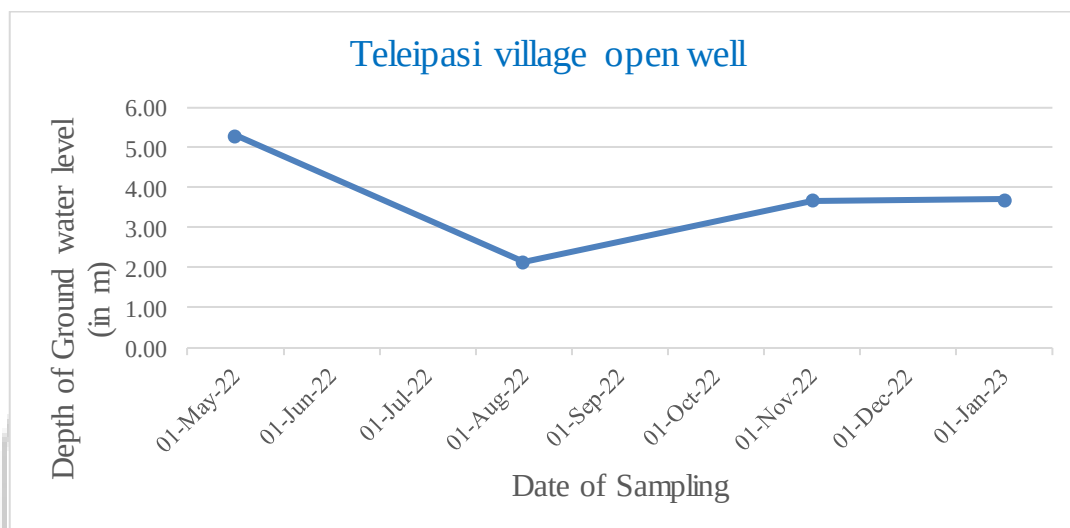
Date of sampling	Water level
21-May-22	5.62
11-Aug-22	4.85
26-Nov-22	4.97
06-Jan-23	4.99



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Table:515
Area: Bharatpur
Project: Bharatpur OCP
Monitoring Station: Teleipasi village open well

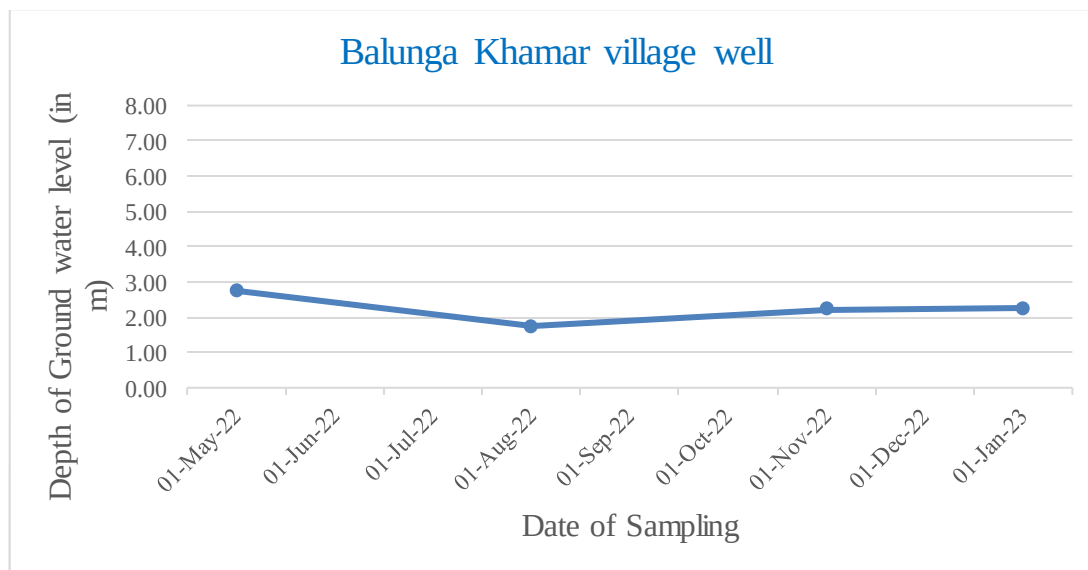
Date of sampling	Water level
21-May-22	5.32
11-Aug-22	2.15
25-Nov-22	3.68
05-Jan-23	3.70



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Table:516
Area: Lingaraj
Project: Lingaraj OCP
Monitoring Station: Balunga Khamar village well

Date of sampling	Water level
21-May-22	2.75
11-Aug-22	1.75
25-Nov-22	2.23
05-Jan-23	2.26



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Table:517
Area: Lingaraj
Project: Lingaraj OCP
Monitoring Station: Deulbera village well

Date of sampling	Water level
21-May-22	2.05
11-Aug-22	1.45
25-Nov-22	2.01
05-Jan-23	2.05

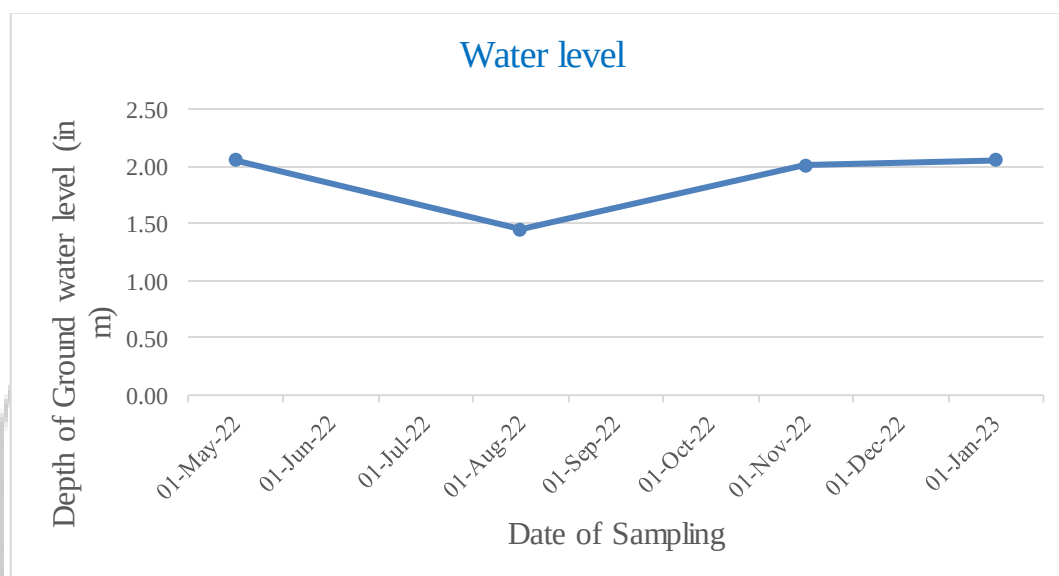


Table:518
Area: Lingaraj
Project: Lingaraj OCP
Monitoring Station: Talabera village well

Date of sampling	Water level
21-May-22	2.47
11-Aug-22	1.70
25-Nov-22	2.59
05-Jan-23	2.63

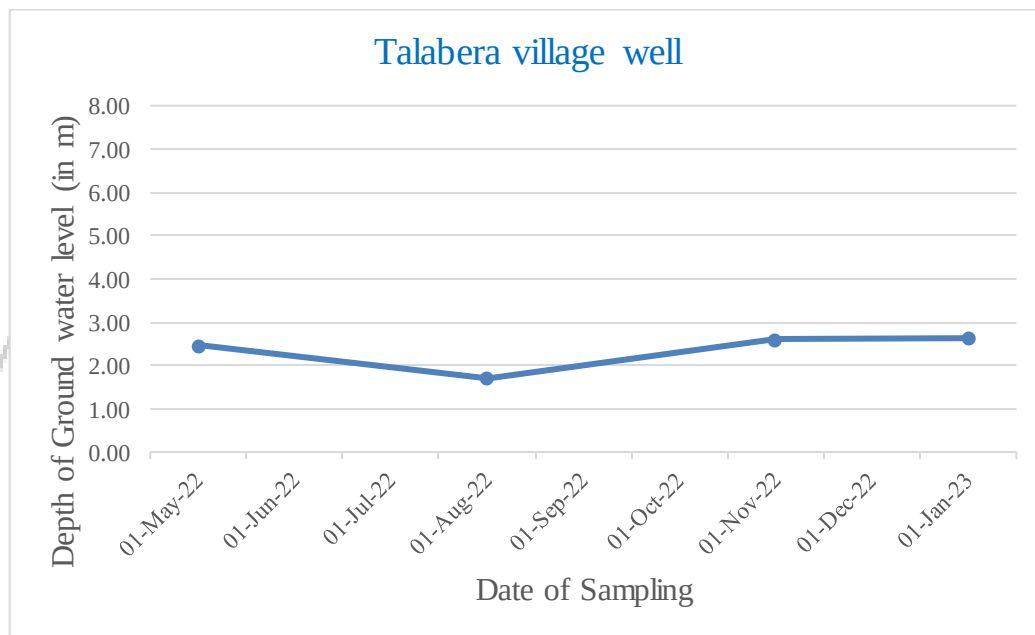


Table:519
Area: Hingula
Project: Balaram OCP
Monitoring Station: Danara village well

Date of sampling	Water level
21-May-22	5.62
11-Aug-22	4.85
26-Nov-22	4.97
06-Jan-23	4.99

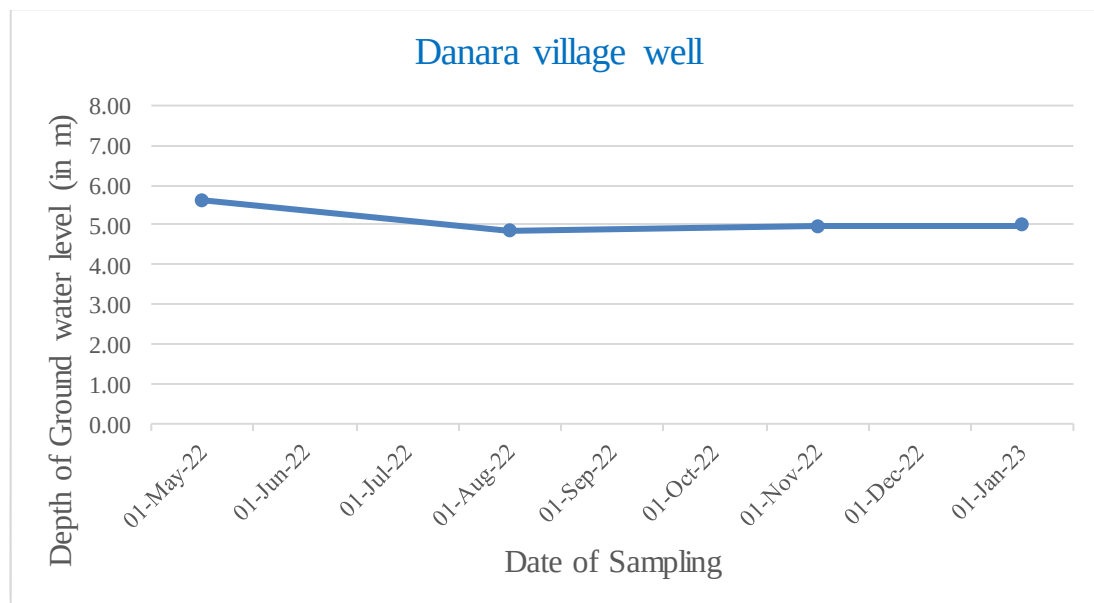


Table:520
Area: Hingula
Project: Balaram OCP
Monitoring Station: Nakeiposi

Date of sampling	Water level
21-May-22	5.10
11-Aug-22	3.25
26-Nov-22	4.12
06-Jan-23	4.15

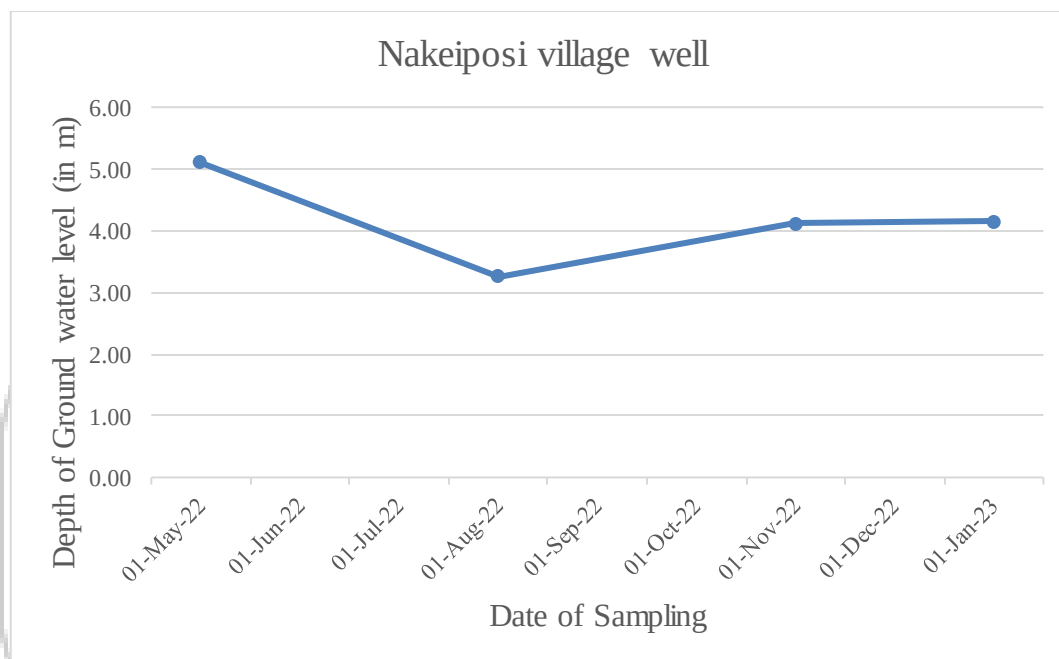
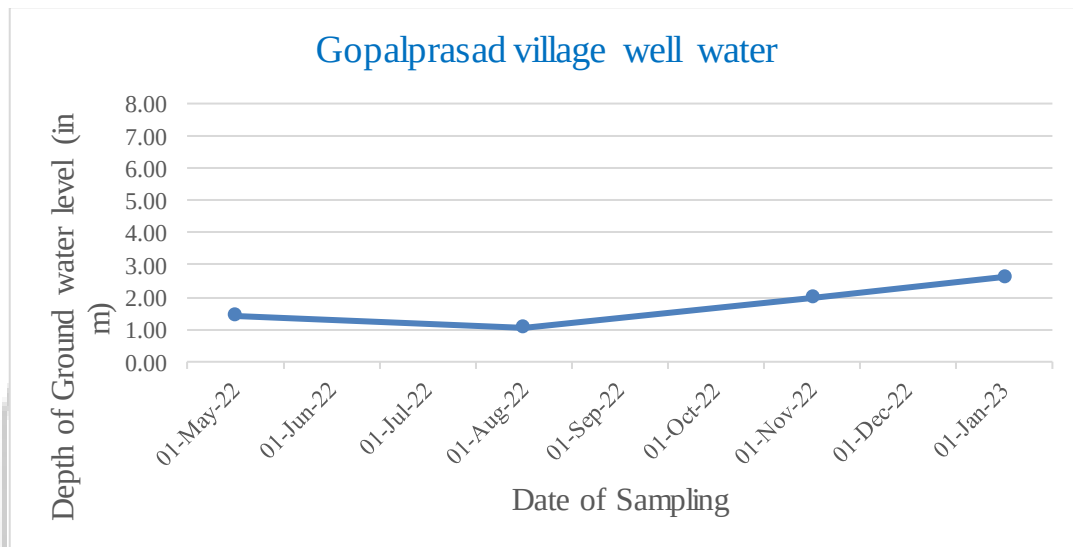


Table:521
Area: Hingula
Project: Hingula OCP
Monitoring Station: Gopalprasad village well water

Date of sampling	Water level
25-May-22	1.43
11-Aug-22	1.05
26-Nov-22	1.98
06-Jan-23	2.63



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Table:522
Area: Hingula
Project: Hingula OCP
Monitoring Station: Kusumpal village well

Date of sampling	Water level
25-May-22	3.30
11-Aug-22	1.45
26-Nov-22	2.31
06-Jan-23	3.66

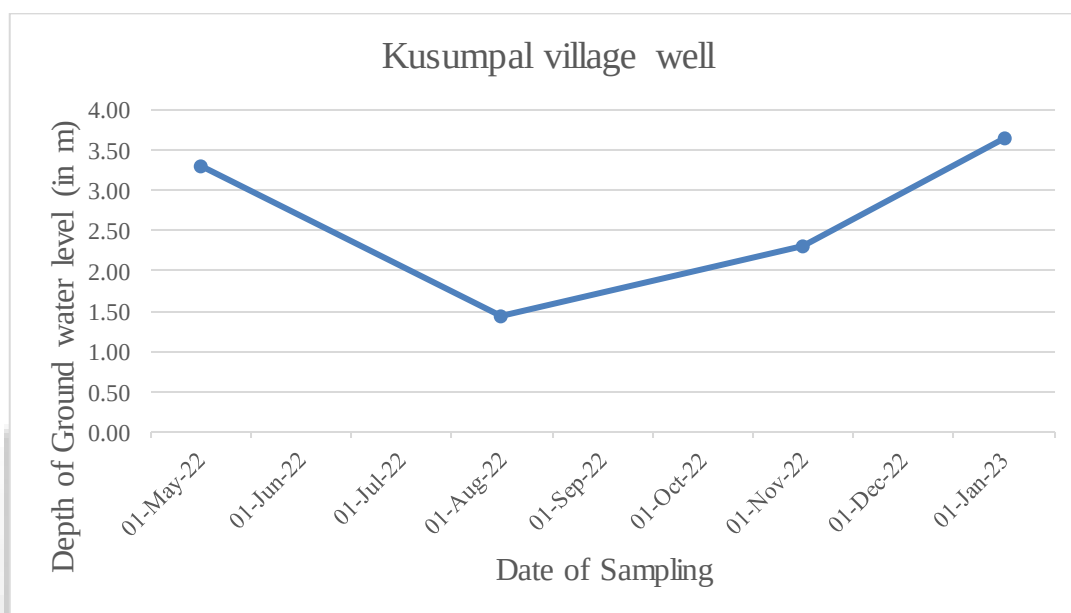
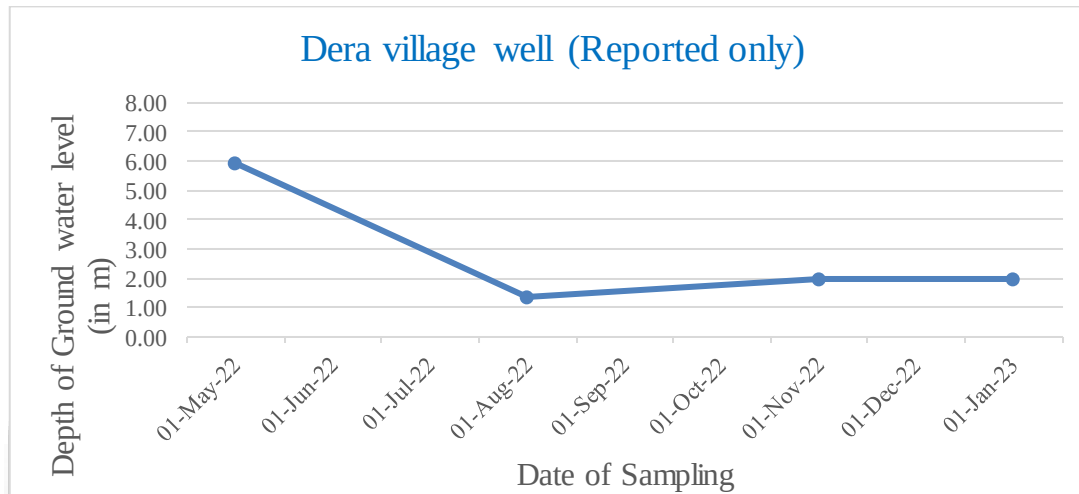


Table:523
Area: Talcher
Project: Talcher Colliery
Monitoring Station: Dera village well (Reported only)

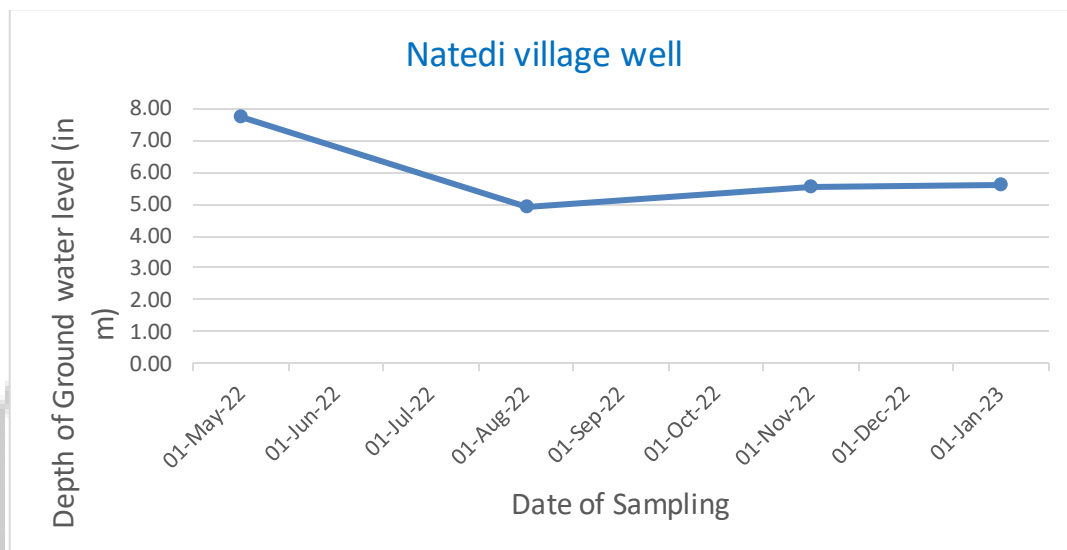
Date of sampling	Water level
21-May-22	5.93
11-Aug-22	1.35
24-Nov-22	1.95
04-Jan-23	1.95



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Table:524
Area: Talcher
Project: Nandira Colliery
Monitoring Station: Natedi village well

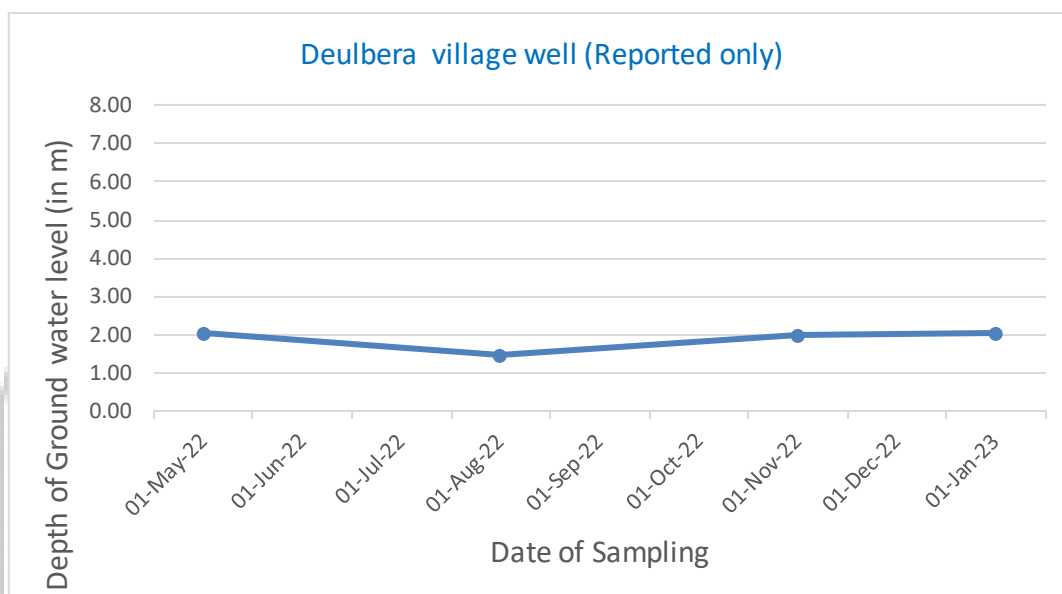
Date of sampling	Water level
21-May-22	7.75
11-Aug-22	4.90
24-Nov-22	5.56
04-Jan-23	5.59



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Table:525
Area: Talcher
Project: Deulbera Colliery
Monitoring Station: Deulbera village well (Reported only)

Date of sampling	Water level
21-May-22	2.05
11-Aug-22	1.45
25-Nov-22	2.01
05-Jan-23	2.05



9.2.4 DRINKING WATER ANALYTICAL RESULTS

Table:526

Project / OCP	Jagannath OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Balanda Colony				
Date of Sampling	16-Apr-2022	14-May-2022	14-Jun-2022	Acceptable	Permissible
Colour(Hazen)	1	1	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	1	1	2	1	5
pH	7.32	7.75	8.40	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	81.6	73.4	270.1	200	600
Total Hardness (Ca CO3)(mg/L)	138	129	205	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	15.42	23.14	29.35	250	1000
Total Dissolve Solid(mg/L)	264	220	358	500	2000
Calcium(mg/L)	40.57	37.32	45.07	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	0.1	0.3
Sulphate(mg/L)	115.1	47.23	0.27	200	400
Nitrate(mg/L)	1.98	4.32	<2	45	No relaxation
Fluoride(mg/L)	0.47	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.06	1.91	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	6.8	5.6	13	—	—
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:527

Project / OCP	Jagannath OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Balanda Colony				
Date of Sampling	14-Jul-2022	13-Aug-2022	12-Sep-2022	Acceptable	Permissible
Colour(Hazen)	1	1	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	2	2	1	5
pH	8.26	7.87	7.69	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	64.5	68.5	69.1	200	600
Total Hardness (Ca CO3)(mg/L)	104	97	125	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	15.42	19.28	21.68	250	1000
Total Dissolve Solid(mg/L)	188	202	216	500	2000
Calcium(mg/L)	30.58	24.47	42.02	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	37.81	28.8	25.36	200	400
Nitrate(mg/L)	<2	<2	<2	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.11	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	6.1	5.8	3.6	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:528

Project / OCP	Jagannath OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Balanda Colony				
Date of Sampling	10-Oct-2022	9-Nov-2022	5-Dec-2022	Acceptable	Permissible
Colour(Hazen)	2	2	3	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	2	2	1	5
pH	7.86	7.53	7.38	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	74.5	70.6	82.3	200	600
Total Hardness (Ca CO3)(mg/L)	117	109	97	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	19.57	15.66	19.57	250	1000
Total Dissolve Solid(mg/L)	228	214	236	500	2000
Calcium(mg/L)	38.95	34.08	27.47	75	200
Copper(mg/L)	<0.03	<0.03	0.04	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	29.47	26.18	32.48	200	400
Nitrate(mg/L)	<2	<2	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.05	0.08	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	<1.8	13	4.00	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:529

Project / OCP	Jagannath OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Balanda Colony				
Date of Sampling	4-Jan-2023	13-Feb-2023	13-Mar-2023	Acceptable	Permissible
Colour(Hazen)	2	2	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	2	2	1	5
pH	7.65	7.33	7.19	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	74.5	67.8	55.1	200	600
Total Hardness (Ca CO3)(mg/L)	108	103	92	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	17.61	15.8	17.77	250	1000
Total Dissolve Solid(mg/L)	222	208	186	500	2000
Calcium(mg/L)	38.63	30.22	27.36	75	200
Copper(mg/L)	0.043	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	0.06	0.1	0.3
Sulphate(mg/L)	25.63	22.36	18.36	200	400
Nitrate(mg/L)	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.088	<0.04	0.24	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	3.6	Absent	Absent	—	—
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:530

Project / OCP	Jagannath OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Jagannath Colony Tap Water				
Date of Sampling	16-Apr-2022	14-May-2022	14-Jun-2022	Acceptable	Permissible
Colour(Hazen)	1	2	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	2	2	1	5
pH	7.35	7.87	8.17	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	69.4	155	68..5	200	600
Total Hardness (Ca CO3)(mg/L)	134	210	140	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	13.5	69.41	15.66	250	1000
Total Dissolve Solid(mg/L)	258	352	334	500	2000
Calcium(mg/L)	40.57	60.04	46.68	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	0.22	<0.04	0.1	0.3
Sulphate(mg/L)	110.3	34.24	83.56	200	400
Nitrate(mg/L)	1.56	1.46	<2	45	No relaxation
Fluoride(mg/L)	0.44	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.08	0.11	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	4.0	4.0	4.5	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:531

Project / OCP	Jagannath OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Jagannath Colony				
Date of Sampling	14-Jul-2022	13-Aug-2022	12-Sep-2022	Acceptable	Permissible
Colour(Hazen)	2	1	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	2	2	1	5
pH	8.20	7.79	7.55	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	60.5	64.5	65.3	200	600
Total Hardness (Ca CO3)(mg/L)	96	105	105	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	15.42	17.35	19.71	250	1000
Total Dissolve Solid(mg/L)	178	194	204	500	2000
Calcium(mg/L)	25.75	24.24	33.94	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	0.04	<0.04	0.1	0.3
Sulphate(mg/L)	33.97	26.34	24.79	200	400
Nitrate(mg/L)	<2	<2	<2	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.38	0.12	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	<1.8	8.1	2.0	—	—
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:532

Project / OCP	Jagannath OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Jagannath Colony				
Date of Sampling	10-Oct-2022	9-Nov-2022	5-Dec-2022	Acceptable	Permissible
Colour(Hazen)	1	2	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	1	1	2	1	5
pH	7.33	7.21	7.46	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	58.8	66.6	74.5	200	600
Total Hardness (Ca CO3)(mg/L)	97	109	77	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	15.66	17.61	15.66	250	1000
Total Dissolve Solid(mg/L)	188	202	218	500	2000
Calcium(mg/L)	32.46	35.71	14.55	75	200
Copper(mg/L)	<0.03	<0.03	0.04	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	27.16	31.48	34.28	200	400
Nitrate(mg/L)	<2	<2	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.122	0.040	0.14	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	2.0	4.5	8.10	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:533

Project / OCP	Jagannath OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Jagannath Colony				
Date of Sampling	4-Jan-2023	13-Feb-2023	13-Mar-2023	Acceptable	Permissible
Colour(Hazen)	3	2	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	2	1	1	5
pH	7.88	7.51	7.27	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	66.6	59.4	50.9	200	600
Total Hardness (Ca CO3)(mg/L)	96	91	80	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	13.69	11.85	13.82	250	1000
Total Dissolve Solid(mg/L)	196	178	148	500	2000
Calcium(mg/L)	30.58	28.63	22.53	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	28.32	24.19	28.36	200	400
Nitrate(mg/L)	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.285	<0.04	0.23	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	5.8	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:534

Project / OCP	Jagannath OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Rakas Village Well Water				
Date of Sampling	16-Apr-2022	14-May-2022	14-Jun-2022	Acceptable	Permissible
Colour(Hazen)	1	1	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	1	1	2	1	5
pH	7.33	8.12	8.28	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	69.4	69.4	137.1	200	600
Total Hardness (Ca CO3)(mg/L)	174	69	152	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	15.42	11.57	45.01	250	1000
Total Dissolve Solid(mg/L)	270	118	232	500	2000
Calcium(mg/L)	50.30	21.09	37.02	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	0.15	0.1	0.3
Sulphate(mg/L)	130.15	13.55	4.11	200	400
Nitrate(mg/L)	1.30	1.01	<2	45	No relaxation
Fluoride(mg/L)	0.49	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.07	<0.04	0.49	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	5.9	2.0	3.6	—	—
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:535

Project / OCP	Jagannath OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Rakas Village Well Water				
Date of Sampling	14-Jul-2022	13-Aug-2022	12-Sep-2022	Acceptable	Permissible
Colour(Hazen)	3	3	3	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	3	3	1	5
pH	8.34	8.19	7.92	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	237.9	254	230.4	200	600
Total Hardness (Ca CO3)(mg/L)	197	209	106	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	142.67	150.38	139.9	250	1000
Total Dissolve Solid(mg/L)	1002	974	906	500	2000
Calcium(mg/L)	69.21	66.26	74.34	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	43.01	35.8	32.91	200	400
Nitrate(mg/L)	26.48	19.37	17.85	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.29	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	<1.8	<1.8	6.1	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:536

Project / OCP	Jagannath OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Rakas Village Well Water				
Date of Sampling	10-Oct-2022	9-Nov-2022	5-Dec-2022	Acceptable	Permissible
Colour(Hazen)	2	2	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	4	4	3	1	5
pH	7.74	7.59	7.77	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	219.5	188.2	168.6	200	600
Total Hardness (Ca CO3)(mg/L)	194	174	270	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	131.12	119.38	107.64	250	1000
Total Dissolve Solid(mg/L)	884	840	808	500	2000
Calcium(mg/L)	68.16	55.18	45.25	75	200
Copper(mg/L)	<0.03	<0.03	0.06	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	38.16	32.78	38.26	200	400
Nitrate(mg/L)	16.26	12.91	15.68	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.04	0.19	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	6.1	6.8	<1.8	—	—
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:537

Project / OCP	Jagannath OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Rakas Village Well Water				
Date of Sampling	4-Jan-2023	13-Feb-2023	13-Mar-2023	Acceptable	Permissible
Colour(Hazen)	2	1	4	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	1	3	1	5
pH	8.03	8.12	8.24	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	152.9	135.7	152.6	200	600
Total Hardness (Ca CO3)(mg/L)	265	266	241	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	93.94	80.97	86.9	250	1000
Total Dissolve Solid(mg/L)	748	692	624	500	2000
Calcium(mg/L)	17.71	87.48	82.09	75	200
Copper(mg/L)	0.045	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	42.36	36.18	32.14	200	400
Nitrate(mg/L)	13.77	14.92	15.76	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.058	<0.04	0.27	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	2.0	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:538

Project / OCP	Ananta OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Ananta Colony				
Date of Sampling	16-Apr-2022	14-May-2022	15-Jun-2022	Acceptable	Permissible
Colour(Hazen)	1	1	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	1	1	1	5
pH	6.59	8.10	8.20	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	77.5	65.3	72.6	200	600
Total Hardness (Ca CO3)(mg/L)	105	65	148	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	19.28	9.64	19.57	250	1000
Total Dissolve Solid(mg/L)	188	98	338	500	2000
Calcium(mg/L)	32.45	19.47	37.02	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	0.1	0.3
Sulphate(mg/L)	56.5	3.14	80.82	200	400
Nitrate(mg/L)	3.49	0.57	<2	45	No relaxation
Fluoride(mg/L)	0.37	<0.30	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	2.07	<0.04	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	3.5	3.7	<1.8	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:539

Project / OCP	Ananta OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Ananta Colony				
Date of Sampling	14-Jul-2022	13-Aug-2022	12-Sep-2022	Acceptable	Permissible
Colour(Hazen)	1	1	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	1	1	1	1	5
pH	8.05	7.91	7.68	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	68.5	76.6	69.1	200	600
Total Hardness (Ca CO3)(mg/L)	68	60	89	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	15.42	17.35	21.68	250	1000
Total Dissolve Solid(mg/L)	148	172	188	500	2000
Calcium(mg/L)	20.92	19.39	25.86	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	21.09	17.05	15.32	200	400
Nitrate(mg/L)	<2	<2	<2	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.21	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	3.5	4.0	<1.8	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:540

Project / OCP	Ananta OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Ananta Colony				
Date of Sampling	10-Oct-2022	9-Nov-2022	5-Dec-2022	Acceptable	Permissible
Colour(Hazen)	1	1	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	2	2	1	5
pH	7.45	7.20	7.09	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	62.7	70.6	86.2	200	600
Total Hardness (Ca CO3)(mg/L)	101	113	93	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	23.48	25.44	23.48	250	1000
Total Dissolve Solid(mg/L)	202	228	242	500	2000
Calcium(mg/L)	29.21	27.59	30.71	75	200
Copper(mg/L)	<0.03	<0.03	0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	18.46	21.86	26.72	200	400
Nitrate(mg/L)	<2	<2	<2	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.05	0.41	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	3.7	5.5	4.00	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:541

Project / OCP	Ananta OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Ananta Colony				
Date of Sampling	4-Jan-2023	13-Feb-2023	13-Mar-2023	Acceptable	Permissible
Colour(Hazen)	3	3	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	3	2	1	5
pH	8.01	7.82	7.46	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	94.1	76.3	67.8	200	600
Total Hardness (Ca CO3)(mg/L)	133	119	108	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	25.44	21.72	19.75	250	1000
Total Dissolve Solid(mg/L)	258	224	188	500	2000
Calcium(mg/L)	46.68	38.17	30.58	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	21.36	23.76	20.78	200	400
Nitrate(mg/L)	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.066	<0.04	0.06	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	3.70	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:542

Project / OCP	Ananta OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Dera Village Tube Well Water				
Date of Sampling	16-Apr-2022	14-May-2022	14-Jun-2022	Acceptable	Permissible
Colour(Hazen)	2	3	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	1	2	2	1	5
pH	6.77	8.33	8.09	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	81.6	159.1	88.7	200	600
Total Hardness (Ca CO3)(mg/L)	182	214	213	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	28.92	30.85	64.58	250	1000
Total Dissolve Solid(mg/L)	336	326	376	500	2000
Calcium(mg/L)	51.93	66.53	46.68	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	0.1	0.3
Sulphate(mg/L)	149.2	24.83	46.85	200	400
Nitrate(mg/L)	11.37	4.47	40.2	45	No relaxation
Fluoride(mg/L)	0.55	<0.30	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.1	0.2	0.29	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	5.6	7.8	6.8	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:543

Project / OCP	Ananta OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Dera Village Tube Well Water				
Date of Sampling	14-Jul-2022	13-Aug-2022	12-Sep-2022	Acceptable	Permissible
Colour(Hazen)	3	2	3	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	3	3	1	5
pH	8.17	8.29	8.08	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	221.8	229.8	207.4	200	600
Total Hardness (Ca CO3)(mg/L)	217	213	230	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	30.85	76.6	29.57	250	1000
Total Dissolve Solid(mg/L)	352	384	368	500	2000
Calcium(mg/L)	74.04	69.49	71.11	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	0.08	<0.04	0.1	0.3
Sulphate(mg/L)	17.94	12.65	11.36	200	400
Nitrate(mg/L)	<2	<2	<2	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.51	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	3.5	2.0	4.0	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:544

Project / OCP	Ananta OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Dera Village Tube Well Water				
Date of Sampling	10-Oct-2022	9-Nov-2022	5-Dec-2022	Acceptable	Permissible
Colour(Hazen)	3	1	3	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	3	3	1	5
pH	7.91	7.63	7.41	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	192.1	184.2	168.6	200	600
Total Hardness (Ca CO3)(mg/L)	214	230	218	200	600
Iron(mg/L)	<0.1	0.21	<0.1	1.0	No relaxation
Chloride(mg/L)	25.44	31.31	27.40	250	1000
Total Dissolve Solid(mg/L)	346	372	334	500	2000
Calcium(mg/L)	63.29	61.67	67.88	75	200
Copper(mg/L)	<0.03	<0.03	0.06	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	16.29	20.58	25.18	200	400
Nitrate(mg/L)	<2	<2	<2	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	<0.04	0.19	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	2.0	3.6	<1.8	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:545

Project / OCP	Ananta OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Dera Village Tube Well Water				
Date of Sampling	4-Jan-2023	13-Feb-2023	13-Mar-2023	Acceptable	Permissible
Colour(Hazen)	3	2	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	2	2	1	5
pH	8.32	8.06	8.01	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	137.2	114.5	101.8	200	600
Total Hardness (Ca CO3)(mg/L)	201	147	133	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	23.48	19.75	15.8	250	1000
Total Dissolve Solid(mg/L)	308	272	238	500	2000
Calcium(mg/L)	24.14	47.71	41.85	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	19.37	14.78	19.31	200	400
Nitrate(mg/L)	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	<0.04	0.15	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	1.80	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:546

Project / OCP	Bharatpur OCP				Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Tap water in Nehru Satabdi Nagar A Type Quarters					
Date of Sampling	14-May-2022	13-Aug-2022	10-Nov-2022	14-Feb-2023	Acceptable	Permissible
Colour(Hazen)	3	2	1	3	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	1	3	2	3	1	5
pH	8.29	7.26	7.44	7.35	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	167.3	173.4	156.8	131.4	200	600
Total Hardness (Ca CO3)(mg/L)	194	185	165	155	200	600
Iron(mg/L)	<0.1	<0.1	0.11	<0.1	1.0	No relaxation
Chloride(mg/L)	32.78	36.63	27.40	21.72	250	1000
Total Dissolve Solid(mg/L)	320	344	322	286	500	2000
Calcium(mg/L)	61.66	56.56	47.08	52.49	75	200
Copper(mg/L)	<0.04	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	0.07	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	22.40	18.36	22.78	26.37	200	400
Nitrate(mg/L)	4.01	<2	<2	<2.0	45	No relaxation
Fluoride(mg/L)	<0.30	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.06	0.08	0.18	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	4.0	<1.8	6.1	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:547

Project / OCP	Bharatpur OCP				Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Tap water in Nehru Satabdi Nagar B Type Quarters					
Date of Sampling	13-Jun-2022	13-Sep-2022	6-Dec-2022	14-Feb-2023	Acceptable	Permissible
Colour(Hazen)	1	2	3	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	1	3	3	2	1	5
pH	7.46	7.29	7.43	7.29	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	60.5	73	90	72.1	200	600
Total Hardness (Ca CO3)(mg/L)	184	194	177	195	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	15.66	19.7	23.48	19.75	250	1000
Total Dissolve Solid(mg/L)	324	340	366	328	500	2000
Calcium(mg/L)	51.51	61.41	35.55	62.03	75	200
Copper(mg/L)	<0.03	<0.03	0.05	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	0.06	<0.04	0.1	0.3
Sulphate(mg/L)	108.2	91.8	78.42	48.03	200	400
Nitrate(mg/L)	<2	<2	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.19	2.33	1.05	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.1	0.05	No relaxation
Boron(mg/L)	<0.1	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	4	3.3	<1.8	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:548

Project / OCP	Bharatpur OCP				Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Tap water in Nehru Satabdi Nagar C Type Quarters					
Date of Sampling	14-May-2022	13-Aug-2022	10-Nov-2022	14-Feb-2023	Acceptable	Permissible
Colour(Hazen)	2	2	1	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	1	2	2	2	1	5
pH	8.15	7.12	7.32	7.21	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	85.7	88.7	78.4	89.0	200	600
Total Hardness (Ca CO3)(mg/L)	133	121	113	107	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	23.14	26.99	17.61	23.7	250	1000
Total Dissolve Solid(mg/L)	230	258	224	258	500	2000
Calcium(mg/L)	38.94	33.94	34.08	28.63	75	200
Copper(mg/L)	<0.04	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	0.07	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	31.25	25.63	28.48	23.91	200	400
Nitrate(mg/L)	4.10	<2	<2	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	1.83	0.16	0.21	0.073	5	15
Total Chromium (mg/L)	0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	8.1	<1.8	4	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:549

Project / OCP	Bharatpur OCP				Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Tap water in Nehru Satabdi Nagar Transit House					
Date of Sampling	13-Jun-2022	13-Sep-2022	6-Dec-2022	14-Feb-2023	Acceptable	Permissible
Colour(Hazen)	2	3	1	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	3	3	1	1	5
pH	7.55	7.37	7.59	7.37	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	64.5	69.1	94.10	80.6	200	600
Total Hardness (Ca CO3)(mg/L)	217	238	177	191	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	17.61	21.68	25.44	23.7	250	1000
Total Dissolve Solid(mg/L)	328	348	378	344	500	2000
Calcium(mg/L)	54.73	53.33	50.10	63.62	75	200
Copper(mg/L)	<0.03	<0.03	0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	115.05	109.1	84.72	39.98	200	400
Nitrate(mg/L)	<2	<2	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.24	2.38	0.83	0.16	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.1	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	5.5	4.0	<1.8	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:550

Project / OCP	Bharatpur OCP				Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Joragadia Village Open Well					
Date of Sampling	14-May-2022	12-Jul-2022	11-Oct-2022	5-Jan-2023	Acceptable	Permissible
Colour(Hazen)	3	1	2	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	3	4	2	1	5
pH	8.21	8.09	8.14	8.21	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	212.2	213.7	207.8	90.2	200	600
Total Hardness (Ca CO3)(mg/L)	106	205	222	76	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	30.85	32.78	43.8	17.61	250	1000
Total Dissolve Solid(mg/L)	324	344	372	170	500	2000
Calcium(mg/L)	64.91	70.82	73	17.85	75	200
Copper(mg/L)	<0.04	<0.03	<0.03	0.036	0.05	1.5
Manganese(mg/L)	<0.07	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	4.14	20.14	28.32	17.36	200	400
Nitrate(mg/L)	4.18	<2	<2	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.12	<0.04	2.16	0.265	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	<1.8	4.0	5.6	3.6	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:551

Project / OCP	Bharatpur OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Time Office, BOCP				
Date of Sampling	16-Apr-2022	14-May-2022	13-Jun-2022	Acceptable	Permissible
Colour(Hazen)	1	2	3	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	3	2	1	5
pH	7.27	8.38	7.50	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	57.1	171.4	177.4	200	600
Total Hardness (Ca CO3)(mg/L)	206	270	201	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	17.35	188.94	33.27	250	1000
Total Dissolve Solid(mg/L)	324	930	318	500	2000
Calcium(mg/L)	17.85	76.27	67.60	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	0.1	0.3
Sulphate(mg/L)	171.45	43.23	19.18	200	400
Nitrate(mg/L)	2.19	2.72	3.20	45	No relaxation
Fluoride(mg/L)	0.51	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.08	0.07	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	<1.8	2.0	3.6	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:552

Project / OCP	Bharatpur OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Time Office, BOCP				
Date of Sampling	12-Jul-2022	13-Aug-2022	13-Sep-2022	Acceptable	Permissible
Colour(Hazen)	1	2	3	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	2	2	1	5
pH	7.74	7.51	7.73	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	104.8	112.9	119	200	600
Total Hardness (Ca CO3)(mg/L)	137	145	165	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	23.14	25.06	29.57	250	1000
Total Dissolve Solid(mg/L)	228	246	268	500	2000
Calcium(mg/L)	28.97	24.24	45.25	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	0.26	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	37.12	32.36	30.21	200	400
Nitrate(mg/L)	<2	<2	<2	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.05	0.17	1.94	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	3.6	7.8	7.8	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:553

Project / OCP	Bharatpur OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Time Office, BOCP				
Date of Sampling	11-Oct-2022	10-Nov-2022	6-Dec-2022	Acceptable	Permissible
Colour(Hazen)	1	2	3	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	2	2	1	5
pH	7.48	7.67	7.73	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	129.4	117.6	104.8	200	600
Total Hardness (Ca CO3)(mg/L)	174	161	137	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	31.31	23.48	19.57	250	1000
Total Dissolve Solid(mg/L)	284	258	242	500	2000
Calcium(mg/L)	50.31	45.44	40.40	75	200
Copper(mg/L)	<0.03	<0.03	0.04	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	28.76	22.64	27.42	200	400
Nitrate(mg/L)	<2	<2	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	2.15	0.06	0.15	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	2.0	2.0	5.8	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:554

Project / OCP	Bharatpur OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Time Office, BOCP				
Date of Sampling	5-Jan-2023	14-Feb-2023	14-Mar-2023	Acceptable	Permissible
Colour(Hazen)	2	3	3	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	2	2	1	5
pH	7.79	7.60	7.71	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	98	84.8	97.5	200	600
Total Hardness (Ca CO3)(mg/L)	169	123	129	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	21.53	17.77	21.72	250	1000
Total Dissolve Solid(mg/L)	264	236	258	500	2000
Calcium(mg/L)	61.17	42.94	35.41	75	200
Copper(mg/L)	0.04	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	36.71	28.39	32.38	200	400
Nitrate(mg/L)	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.125	0.149	0.22	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	6.1	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:555

Project / OCP	Bharatpur OCP				Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Badasinga Village Open Well					
Date of Sampling	14-May-2022	12-Jul-2022	11-Oct-2022	5-Jan-2023	Acceptable	Permissible
Colour(Hazen)	2	1	3	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	3	4	3	1	5
pH	8.21	7.89	7.96	8.18	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	163.2	145.1	156.8	141.1	200	600
Total Hardness (Ca CO3)(mg/L)	230	145	153	153	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	40.49	73.26	82.19	72.41	250	1000
Total Dissolve Solid(mg/L)	390	462	484	432	500	2000
Calcium(mg/L)	63.28	38.63	40.57	40.57	75	200
Copper(mg/L)	<0.04	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	87.3	53.29	51.74	16.96	200	400
Nitrate(mg/L)	3.83	18.76	<2	<2.0	45	No relaxation
Fluoride(mg/L)	<0.30	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	<0.04	1.88	0.049	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	5.6	2.0	3.7	4.5	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:556

Project / OCP	Bharatpur OCP				Indian Drinking Standards Standards (IS-10500):2012	
Monitoring Station	Taleipasi Village Open Well					
Date of Sampling	14-May-2022	13-Aug-2022	10-Nov-2022	14-Feb-2023	Acceptable	Permissible
Colour(Hazen)	1	1	2	3	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	1	1	1	2	1	5
pH	8.24	7.39	7.54	8.08	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	65.3	76.6	82.3	93.3	200	600
Total Hardness (Ca CO3)(mg/L)	65	68	76	103	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	11.57	17.35	21.53	19.75	250	1000
Total Dissolve Solid(mg/L)	108	136	152	202	500	2000
Calcium(mg/L)	19.47	17.78	17.85	34.99	75	200
Copper(mg/L)	<0.04	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	3.57	8.32	10.84	23.08	200	400
Nitrate(mg/L)	1.14	<2	<2	<2	45	No relaxation
Fluoride(mg/L)	<0.30	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.16	0.07	0.13	0.156	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	4.5	2.0	3.7	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:557

Project / OCP	Lingraj OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	GM Office, Lingraj Area				
Date of Sampling	16-Apr-2022	14-May-2022	13-Jun-2022	Acceptable	Permissible
Colour(Hazen)	1	3	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	3	2	1	5
pH	7.44	8.34	7.57	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	61.2	391.7	181.4	200	600
Total Hardness (Ca CO3)(mg/L)	81	403	249	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	11.57	42.42	31.31	250	1000
Total Dissolve Solid(mg/L)	108	642	322	500	2000
Calcium(mg/L)	12.98	64.91	67.6	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	0.21	<0.04	0.1	0.3
Sulphate(mg/L)	13.65	41.52	20.96	200	400
Nitrate(mg/L)	1.18	0.58	3.26	45	No relaxation
Fluoride(mg/L)	0.32	0.40	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.05	0.56	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	3.6	2.0	<1.8	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:558

Project / OCP	Lingraj OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	GM Office, Lingraj Area				
Date of Sampling	13-Jul-2022	12-Aug-2022	13-Sep-2022	Acceptable	Permissible
Colour(Hazen)	1	1	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	2	2	1	5
pH	7.73	7.57	7.69	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	88.7	84.7	88.3	200	600
Total Hardness (Ca CO3)(mg/L)	112	105	101	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	19.28	17.35	15.77	250	1000
Total Dissolve Solid(mg/L)	218	226	244	500	2000
Calcium(mg/L)	28.97	25.86	30.71	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	32.60	22.34	20.37	200	400
Nitrate(mg/L)	<2	<2	<2	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	<0.04	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium (mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	13	5.5	6.8	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:559

Project / OCP	Lingraj OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	GM Office, Lingraj Area				
Date of Sampling	11-Oct-2022	10-Nov-2022	6-Dec-2022	Acceptable	Permissible
Colour(Hazen)	2	2	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	2	2	1	5
pH	7.44	7.69	7.51	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	86.2	94.1	98.0	200	600
Total Hardness (Ca CO3)(mg/L)	97	109	93	200	600
Iron(mg/L)	<0.1	<0.1	0.10	1.0	No relaxation
Chloride(mg/L)	15.65	19.57	21.53	250	1000
Total Dissolve Solid(mg/L)	232	254	276	500	2000
Calcium(mg/L)	29.2	29.21	22.63	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	18.24	24.78	28.42	200	400
Nitrate(mg/L)	<2	<2	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.05	0.22	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	<1.8	1.8	6.10	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:560

Project / OCP	Lingraj OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	GM Office, Lingraj Area				
Date of Sampling	5-Jan-2023	14-Feb-2023	14-Mar-2023	Acceptable	Permissible
Colour(Hazen)	3	2	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	2	2	1	5
pH	8.29	8.14	7.94	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	94.1	84.8	93.3	200	600
Total Hardness (Ca CO3)(mg/L)	120	119	133	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	23.48	17.77	19.75	250	1000
Total Dissolve Solid(mg/L)	264	228	244	500	2000
Calcium(mg/L)	37.02	42.94	41.85	75	200
Copper(mg/L)	0.034	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	38.14	31.82	26.25	200	400
Nitrate(mg/L)	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.137	0.181	0.18	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	4.0	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:561

Project / OCP	Lingraj OCP				Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Balunga Khamar Village Well					
Date of Sampling	14-May-2022	12-Aug-2022	10-Nov-2022	5-Jan-2023	Acceptable	Permissible
Colour(Hazen)	1	3	2	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	3	4	3	1	5
pH	8.06	7.81	7.92	8.04	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	159.1	173.4	168.6	149	200	600
Total Hardness (Ca CO3)(mg/L)	230	213	222	222	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	40.49	46.27	50.88	45.01	250	1000
Total Dissolve Solid(mg/L)	394	426	444	392	500	2000
Calcium(mg/L)	63.28	56.56	53.56	53.55	75	200
Copper(mg/L)	<0.04	<0.03	<0.03	0.044	0.05	1.5
Manganese(mg/L)	<0.07	<0.04	<0.04	0.076	0.1	0.3
Sulphate(mg/L)	5.14	4.36	14.12	23.64	200	400
Nitrate(mg/L)	4.06	<2	<2	<2.0	45	No relaxation
Fluoride(mg/L)	<0.30	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.69	0.40	<0.04	0.081	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	3.6	11	1.8	4.0	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:562

Project / OCP	Lingraj OCP				Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Deulbera Village Well					
Date of Sampling	14-May-2022	12-Aug-2022	10-Nov-2022	5-Jan-2023	Acceptable	Permissible
Colour(Hazen)	3	4	3	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	3	4	3	1	5
pH	8.40	8.22	8.14	7.91	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	391.7	370.9	329.3	297.7	200	600
Total Hardness (Ca CO3)(mg/L)	403	366	344	344	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	42.42	38.56	35.23	33.27	250	1000
Total Dissolve Solid(mg/L)	648	630	608	548	500	2000
Calcium(mg/L)	66.53	67.87	73.03	73.03	75	200
Copper(mg/L)	<0.04	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	0.28	<0.04	<0.04	0.076	0.1	0.3
Sulphate(mg/L)	39.24	32.73	31.46	38.26	200	400
Nitrate(mg/L)	0.61	<2	<2	<2.0	45	No relaxation
Fluoride(mg/L)	0.37	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.75	0.04	<0.04	0.491	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	3.7	6.1	<1.8	2	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:563

Project / OCP		Lingraj OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Talabera Village Well					
Date of Sampling	14-May-2022	12-Aug-2022	10-Nov-2022	5-Jan-2023	Acceptable	Permissible
Colour(Hazen)	2	1	1	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	3	3	3	1	5
pH	8.27	7.98	8.05	8.07	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	187.7	177.4	172.4	145	200	600
Total Hardness (Ca CO3)(mg/L)	210	221	283	283	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	32.78	28.92	27.40	29.35	250	1000
Total Dissolve Solid(mg/L)	440	428	448	402	500	2000
Calcium(mg/L)	56.79	53.33	66.54	66.53	75	200
Copper(mg/L)	<0.04	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.04	<0.04	0.083	0.1	0.3
Sulphate(mg/L)	6.42	4.31	12.76	7.67	200	400
Nitrate(mg/L)	1.17	<2	<2	<2.0	45	No relaxation
Fluoride(mg/L)	0.44	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.08	<0.04	0.09	0.127	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	2.0	4.0	<1.8	6.8	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	<0.005	0.01	No relaxation

Table:564

Project / OCP	Kaniha			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Tube Well at Coal Analysis Lab				
Date of Sampling	6-Apr-2022	11-May-2022	15-Jun-2022	Acceptable	Permissible
Colour(Hazen)	1	2	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	1	2	1	1	5
pH	7.68	8.36	6.94	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	97.9	195.8	88.7	200	600
Total Hardness (Ca CO3)(mg/L)	93	262	156	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	13.5	32.78	62.62	250	1000
Total Dissolve Solid(mg/L)	146	432	370	500	2000
Calcium(mg/L)	27.59	58.42	45.07	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	0.04	0.1	0.3
Sulphate(mg/L)	11.43	11.41	51.09	200	400
Nitrate(mg/L)	2.39	1.12	38.60	45	No relaxation
Fluoride(mg/L)	0.33	<0.30	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.19	0.05	0.37	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	3.7	6.1	6.1	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:565

Project / OCP	Kaniha			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Tube Well at Coal Analysis Lab				
Date of Sampling	12-Jul-2022	10-Aug-2022	14-Sep-2022	Acceptable	Permissible
Colour(Hazen)	3	2	3	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	3	3	1	5
pH	8.19	8.25	8.10	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	197.6	205.6	180.1	200	600
Total Hardness (Ca CO3)(mg/L)	333	354	367	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	179.3	173.52	15.56	250	1000
Total Dissolve Solid(mg/L)	738	712	682	500	2000
Calcium(mg/L)	109.45	103.42	116.36	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	54.79	45.36	40.36	200	400
Nitrate(mg/L)	27.08	26.48	24.21	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.7	0.31	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	6.8	<1.8	<1.8	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:566

Project / OCP	Kaniha			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Tube Well at Coal Analysis Lab				
Date of Sampling	12-Oct-2022	11-Nov-2022	7-Dec-2022	Acceptable	Permissible
Colour(Hazen)	2	2	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	4	4	3	1	5
pH	8.17	7.96	7.73	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	168.6	156.8	145	200	600
Total Hardness (Ca CO3)(mg/L)	348	327	282	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	160.47	146.77	140.9	250	1000
Total Dissolve Solid(mg/L)	656	640	618	500	2000
Calcium(mg/L)	103.87	97.38	79.19	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	36.58	42.92	48.76	200	400
Nitrate(mg/L)	23.93	21.98	18.44	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.335	0.07	0.05	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	4.0	4.5	<1.8	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:567

Project / OCP	Kaniha			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Tube Well at Coal Analysis Lab				
Date of Sampling	6-Jan-2023	15-Feb-2023	15-Mar-2023	Acceptable	Permissible
Colour(Hazen)	2	1	3	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	1	3	1	5
pH	8.24	8.10	7.84	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	133.3	114.5	131.4	200	600
Total Hardness (Ca CO3)(mg/L)	257	262	241	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	127.2	108.62	94.8	250	1000
Total Dissolve Solid(mg/L)	538	484	448	500	2000
Calcium(mg/L)	41.85	65.21	56.34	75	200
Copper(mg/L)	0.042	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	38.92	26.37	31.36	200	400
Nitrate(mg/L)	16.52	14.32	13.66	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.044	0.155	0.13	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	1.8	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:568

Project / OCP	Kaniha			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Jarda Village Well Water				
Date of Sampling	6-Apr-2022	11-May-2022	15-Jun-2022	Acceptable	Permissible
Colour(Hazen)	1	2	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	1	2	1	1	5
pH	7.44	8.25	7.61	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	97.9	159.1	80.6	200	600
Total Hardness (Ca CO3)(mg/L)	93	315	144	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	11.57	40.49	17.61	250	1000
Total Dissolve Solid(mg/L)	142	522	176	500	2000
Calcium(mg/L)	21.09	94.12	25.75	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	0.1	0.3
Sulphate(mg/L)	10.16	35.10	36.30	200	400
Nitrate(mg/L)	1.70	0.66	<2	45	No relaxation
Fluoride(mg/L)	0.31	0.41	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.11	0.06	0.05	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	4	3.7	4	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:569

Project / OCP	Kaniha			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Jarda Village Well Water				
Date of Sampling	12-Jul-2022	10-Aug-2022	14-Sep-2022	Acceptable	Permissible
Colour(Hazen)	2	3	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	3	3	1	5
pH	8.26	8.38	8.19	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	201.6	213.7	184.3	200	600
Total Hardness (Ca CO3)(mg/L)	337	362	379	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	177.38	177.38	169.51	250	1000
Total Dissolve Solid(mg/L)	744	720	688	500	2000
Calcium(mg/L)	112.67	108.27	117.98	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	58.90	50.23	48.36	200	400
Nitrate(mg/L)	28.29	27.08	23.91	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.14	0.23	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	11	3.7	22	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:570

Project / OCP	Kaniha			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Jarda Village Well Water				
Date of Sampling	17-Oct-2022	11-Nov-2022	7-Dec-2022	Acceptable	Permissible
Colour(Hazen)	1	2	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	4	4	3	1	5
pH	8.21	7.98	7.79	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	172.5	160.7	149.0	200	600
Total Hardness (Ca CO3)(mg/L)	356	331	286	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	164.39	148.73	142.86	250	1000
Total Dissolve Solid(mg/L)	668	652	628	500	2000
Calcium(mg/L)	107.11	99	78	75	200
Copper(mg/L)	<0.03	<0.03	0.04	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	40.38	44.56	50.16	200	400
Nitrate(mg/L)	25.16	23.05	19.37	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.250	0.04	0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	13	2.0	<1.8	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:571

Project / OCP	Kaniha			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Jarda Village Well Water				
Date of Sampling	6-Jan-2023	15-Feb-2023	15-Mar-2023	Acceptable	Permissible
Colour(Hazen)	2	3	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	3	3	1	5
pH	8.22	8.14	7.89	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	137.2	118.7	139.9	200	600
Total Hardness (Ca CO3)(mg/L)	261	270	257	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	129.16	110.6	96.77	250	1000
Total Dissolve Solid(mg/L)	546	492	456	500	2000
Calcium(mg/L)	54.73	77.93	82.09	75	200
Copper(mg/L)	0.037	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	47.39	37.38	32.14	200	400
Nitrate(mg/L)	16.78	14.74	13.74	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.062	0.129	0.12	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	1.8	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:572

Project / OCP	Balaram OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Danara Village Borewell Water				
Date of Sampling	15-Apr-2022	13-May-2022	14-Jun-2022	Acceptable	Permissible
Colour(Hazen)	1	1	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	1	1	2	1	5
pH	7.54	8.25	7.23	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	146.9	159.1	104.8	200	600
Total Hardness (Ca CO3)(mg/L)	158	347	231	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	26.99	44.34	19.57	250	1000
Total Dissolve Solid(mg/L)	242	518	294	500	2000
Calcium(mg/L)	51.93	108.72	46.68	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	0.1	0.3
Sulphate(mg/L)	6.03	48.35	61.64	200	400
Nitrate(mg/L)	16.69	0.71	<2	45	No relaxation
Fluoride(mg/L)	0.50	0.47	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.42	0.05	2.55	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	4.0	3.7	4.0	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:573

Project / OCP	Balaram OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Danara Village Borewell Water				
Date of Sampling	13-Jul-2022	12-Aug-2022	15-Sep-2022	Acceptable	Permissible
Colour(Hazen)	2	1	3	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	3	3	1	5
pH	7.62	7.85	7.57	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	161.2	173.4	153.6	200	600
Total Hardness (Ca CO3)(mg/L)	285	326	343	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	82.9	86.76	76.87	250	1000
Total Dissolve Solid(mg/L)	454	472	462	500	2000
Calcium(mg/L)	37.02	30.70	43.64	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	0.64	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	80.82	69.18	65.34	200	400
Nitrate(mg/L)	<2	<2	<2	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	2.03	<0.04	0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	6.8	1.8	9.3	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:574

Project / OCP	Balaram OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Danara Village Borewell Water				
Date of Sampling	11-Oct-2022	11-Nov-2022	7-Dec-2022	Acceptable	Permissible
Colour(Hazen)	2	1	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	3	3	1	5
pH	7.29	7.09	7.18	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	141.1	125.4	109.8	200	600
Total Hardness (Ca CO3)(mg/L)	327	303	153	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	68.5	56.75	46.97	250	1000
Total Dissolve Solid(mg/L)	440	404	372	500	2000
Calcium(mg/L)	64.9	69.79	45.25	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	70.14	62.58	54.36	200	400
Nitrate(mg/L)	<2	<2	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.05	0.36	0.19	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	4.0	2.0	<1.8	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:575

Project / OCP	Balaram OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Danara Village Borewell Water				
Date of Sampling	6-Jan-2023	15-Feb-2023	15-Mar-2023	Acceptable	Permissible
Colour(Hazen)	3	2	3	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	2	2	1	5
pH	8.30	8.15	7.80	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	104.8	89	72.1	200	600
Total Hardness (Ca CO3)(mg/L)	137	151	133	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	41.1	33.57	25.67	250	1000
Total Dissolve Solid(mg/L)	344	306	268	500	2000
Calcium(mg/L)	40.24	52.49	38.63	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	42.36	34.09	29.38	200	400
Nitrate(mg/L)	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.102	0.16	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	1.8	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:576

Project / OCP	Balaram OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Balaram Colony				
Date of Sampling	15-Apr-2022	13-May-2022	14-Jun-2022	Acceptable	Permissible
Colour(Hazen)	1	2	3	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	2	2	1	5
pH	6.63	7.96	7.62	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	89.8	151	185.5	200	600
Total Hardness (Ca CO3)(mg/L)	166	194	201	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	34.7	69.41	33.27	250	1000
Total Dissolve Solid(mg/L)	336	352	336	500	2000
Calcium(mg/L)	53.55	61.66	72.43	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	0.21	<0.04	0.1	0.3
Sulphate(mg/L)	132.55	35.24	19.73	200	400
Nitrate(mg/L)	10.78	1.46	3.61	45	No relaxation
Fluoride(mg/L)	0.59	<0.30	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.19	0.6	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	5.6	<1.8	3.6	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:577

Project / OCP	Balaram OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Balaram Colony				
Date of Sampling	13-Jul-2022	12-Aug-2022	15-Sep-2022	Acceptable	Permissible
Colour(Hazen)	1	1	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	3	3	1	5
pH	7.85	7.98	7.71	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	84.7	92.73	99.8	200	600
Total Hardness (Ca CO3)(mg/L)	169	149	133	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	57.84	61.69	67.01	250	1000
Total Dissolve Solid(mg/L)	374	392	418	500	2000
Calcium(mg/L)	40.24	33.94	42.02	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	0.06	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	37.12	32.64	30.78	200	400
Nitrate(mg/L)	34.04	32.83	29.05	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.53	<0.04	0.18	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	4.5	4.5	4.5	—	—
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:578

Project / OCP	Balaram OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Balaram Colony				
Date of Sampling	11-Oct-2022	11-Nov-2022	7-Dec-2022	Acceptable	Permissible
Colour(Hazen)	4	3	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	4	3	3	1	5
pH	7.56	7.37	7.25	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	90.2	82.3	90.2	200	600
Total Hardness (Ca CO3)(mg/L)	121	109	173	200	600
Iron(mg/L)	<0.1	<0.1	0.10	1.0	No relaxation
Chloride(mg/L)	58.71	50.88	45.01	250	1000
Total Dissolve Solid(mg/L)	398	370	358	500	2000
Calcium(mg/L)	38.95	35.71	58.18	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	0.105	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	27.68	22.86	26.84	200	400
Nitrate(mg/L)	25.62	23.36	17.68	45	No relaxation
Fluoride(mg/L)	<0.2	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.187	0.09	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	5.6	5.6	<1.8	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:579

Project / OCP	Balaram OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Balaram Colony				
Date of Sampling	6-Jan-2023	15-Feb-2023	15-Mar-2023	Acceptable	Permissible
Colour(Hazen)	1	1	4	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	1	2	1	5
pH	8.28	8.03	7.91	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	82.3	72.1	72.1	200	600
Total Hardness (Ca CO3)(mg/L)	177	151	120	200	600
Iron(mg/L)	<0.1	0.162	<0.1	1.0	No relaxation
Chloride(mg/L)	39.1	31.6	27.65	250	1000
Total Dissolve Solid(mg/L)	320	284	246	500	2000
Calcium(mg/L)	43.46	49.30	43.46	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	31.62	27.12	25.14	200	400
Nitrate(mg/L)	16.36	13.58	12.34	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.381	0.14	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	<1.8	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:580

Project / OCP	Balaram OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Nakeipasi Village Bore Well Water				
Date of Sampling	15-Apr-2022	13-May-2022	14-Jun-2022	Acceptable	Permissible
Colour(Hazen)	2	1	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	1	2	1	5
pH	6.73	8.20	7.24	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	122.4	85.7	104.8	200	600
Total Hardness (Ca CO3)(mg/L)	158	109	201	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	28.92	17.35	21.53	250	1000
Total Dissolve Solid(mg/L)	238	188	288	500	2000
Calcium(mg/L)	48.68	25.96	49.90	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	0.05	1.5
Manganese(mg/L)	0.091	<0.07	<0.04	0.1	0.3
Sulphate(mg/L)	6.51	39.38	66.3	200	400
Nitrate(mg/L)	17.12	0.80	<2	45	No relaxation
Fluoride(mg/L)	0.60	<0.30	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.74	0.36	2.59	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	<1.8	5.5	2.0	—	—
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:581

Project / OCP	Balaram OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Nakeipasi Village Bore Well Water				
Date of Sampling	13-Jul-2022	12-Aug-2022	15-Sep-2022	Acceptable	Permissible
Colour(Hazen)	3	1	3	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	2	2	1	5
pH	7.44	7.58	7.29	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	72.6	84.67	69.1	200	600
Total Hardness (Ca CO3)(mg/L)	177	169	194	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	17.35	25.06	21.68	250	1000
Total Dissolve Solid(mg/L)	268	296	278	500	2000
Calcium(mg/L)	41.85	38.78	45.25	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	0.060	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	57.94	52.91	50.36	200	400
Nitrate(mg/L)	<2	<2	<2	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.13	<0.04	2.5	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	3.7	<1.8	2.0	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:582

Project / OCP	Balaram OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Nakeipasi Village Bore Well Water				
Date of Sampling	11-Oct-2022	11-Nov-2022	7-Dec-2022	Acceptable	Permissible
Colour(Hazen)	3	2	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	2	2	1	5
pH	7.43	7.28	4.53	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	78.4	66.6	74.5	200	600
Total Hardness (Ca CO3)(mg/L)	186	170	117	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	25.44	21.53	25.4	250	1000
Total Dissolve Solid(mg/L)	296	274	294	500	2000
Calcium(mg/L)	42.19	43.82	38.79	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	56.23	48.84	51.7	200	400
Nitrate(mg/L)	<2	<2	<2.0	45	No relaxation
Fluoride(mg/L)	<0.2	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	2.27	0.25	0.21	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	4.0	4.0	3.60	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:583

Project / OCP	Balaram OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Nakeipasi Village Bore Well Water				
Date of Sampling	6-Jan-2023	15-Feb-2023	15-Mar-2023	Acceptable	Permissible
Colour(Hazen)	3	1	3	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	1	1	1	5
pH	8.25	8.09	7.71	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	70.6	63.6	55.1	200	600
Total Hardness (Ca CO3)(mg/L)	104	107	84	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	21.53	17.77	21.72	250	1000
Total Dissolve Solid(mg/L)	270	254	186	500	2000
Calcium(mg/L)	30.58	36.58	24.14	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	39.14	33.05	26.86	200	400
Nitrate(mg/L)	<20	<20	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.12	0.21	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	2.0	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:584

Project / OCP	Hingula OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Time Office Water				
Date of Sampling	15-Apr-2022	13-May-2022	14-Jun-2022	Acceptable	Permissible
Colour(Hazen)	1	3	3	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	3	2	1	5
pH	6.63	8.33	7.82	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	49	248.9	76.6	200	600
Total Hardness (Ca CO3)(mg/L)	69	395	144	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	32.78	94.47	17.61	250	1000
Total Dissolve Solid(mg/L)	158	728	228	500	2000
Calcium(mg/L)	19.47	116.83	43.46	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	0.07	<0.04	0.1	0.3
Sulphate(mg/L)	18.25	63.78	63.15	200	400
Nitrate(mg/L)	5.28	27.05	<2	45	No relaxation
Fluoride(mg/L)	0.35	0.50	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.17	1.72	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	<1.8	2.0	3.7	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:585

Project / OCP	Hingula OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Time Office Water				
Date of Sampling	13-Jul-2022	12-Aug-2022	15-Sep-2022	Acceptable	Permissible
Colour(Hazen)	1	2	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	3	3	1	5
pH	8.18	8.05	8.12	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	217.7	209.7	188.2	200	600
Total Hardness (Ca CO3)(mg/L)	177	205	214	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	134.96	131.10	128.1	250	1000
Total Dissolve Solid(mg/L)	686	668	646	500	2000
Calcium(mg/L)	59.56	54.94	61.4	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	0.07	0.04	0.1	0.3
Sulphate(mg/L)	109.6	15.62	13.94	200	400
Nitrate(mg/L)	26.78	25.72	23.3	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	<0.04	0.25	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	5.6	2.0	6.8	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:586

Project / OCP	Hingula OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Time Office Water				
Date of Sampling	11-Oct-2022	11-Nov-2022	7-Dec-2022	Acceptable	Permissible
Colour(Hazen)	2	2	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	4	3	1	5
pH	8.05	7.85	7.67	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	180.3	168.6	145.0	200	600
Total Hardness (Ca CO3)(mg/L)	198	182	258	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	119.38	99.8	88.1	250	1000
Total Dissolve Solid(mg/L)	622	604	576	500	2000
Calcium(mg/L)	66.54	58.43	45.25	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	16.48	18.76	24.42	200	400
Nitrate(mg/L)	21.78	19.98	15.52	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.268	0.04	0.20	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	11.0	13	<1.8	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:587

Project / OCP	Hingula OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Time Office Water				
Date of Sampling	6-Jan-2023	15-Feb-2023	15-Mar-2023	Acceptable	Permissible
Colour(Hazen)	3	2	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	2	3	1	5
pH	7.81	7.58	7.33	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	129.4	101.8	93.3	200	600
Total Hardness (Ca CO3)(mg/L)	249	250	237	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	72.41	61.22	55.3	250	1000
Total Dissolve Solid(mg/L)	486	438	396	500	2000
Calcium(mg/L)	49.90	74.75	66.00	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	28.36	23.19	26.18	200	400
Nitrate(mg/L)	14.26	11.27	10.28	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.077	0.13	0.23	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	2	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:588

Project / OCP	Hingula OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Gopalprasad Village Bore Well Water				
Date of Sampling	15-Apr-2022	13-May-2022	14-Jun-2022	Acceptable	Permissible
Colour(Hazen)	3	3	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	2	2	1	5
pH	7.64	8.40	7.61	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	322.3	253	403.2	200	600
Total Hardness (Ca CO3)(mg/L)	332	395	341	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	90.62	94.47	107.64	250	1000
Total Dissolve Solid(mg/L)	644	734	678	500	2000
Calcium(mg/L)	69.78	137.93	70.82	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	0.1	0.3
Sulphate(mg/L)	4.60	37.95	14.93	200	400
Nitrate(mg/L)	0.75	25.82	<2	45	No relaxation
Fluoride(mg/L)	0.78	0.43	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.32	1.81	0.32	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	5.5	5.6	2.0	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:589

Project / OCP	Hingula OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Gopalprasad Village Bore Well Water				
Date of Sampling	13-Jul-2022	12-Aug-2022	15-Sep-2022	Acceptable	Permissible
Colour(Hazen)	3	2	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	3	3	1	5
pH	8.25	8.09	7.96	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	201.6	189.5	172.8	200	600
Total Hardness (Ca CO3)(mg/L)	329	362	383	200	600
Iron(mg/L)	0.14	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	82.9	77.12	74.9	250	1000
Total Dissolve Solid(mg/L)	494	478	486	500	2000
Calcium(mg/L)	112.67	103.42	122.83	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	0.94	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	78.08	59.12	51.22	200	400
Nitrate(mg/L)	<2	<2	<2	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	2.06	<0.04	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	2.0	3.6	<1.8	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:590

Project / OCP	Hingula OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Gopalprasad Village Bore Well Water				
Date of Sampling	11-Oct-2022	11-Nov-2022	7-Dec-2022	Acceptable	Permissible
Colour(Hazen)	1	1	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	4	4	3	1	5
pH	7.77	7.58	7.31	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	160.7	141.1	121.5	200	600
Total Hardness (Ca CO3)(mg/L)	368	335	169	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	66.54	54.78	46.97	250	1000
Total Dissolve Solid(mg/L)	468	424	398	500	2000
Calcium(mg/L)	113.61	108.74	59.80	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	56.74	50.68	42.84	200	400
Nitrate(mg/L)	<2	<2	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.04	0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	7.8	<1.8	2.0	—	—
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:591

Project / OCP	Hingula OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Gopalprasad Village Bore Well Water				
Date of Sampling	6-Jan-2023	15-Feb-2023	15-Mar-2023	Acceptable	Permissible
Colour(Hazen)	2	2	3	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	2	2	1	5
pH	8.19	7.94	7.72	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	109.8	93.3	106	200	600
Total Hardness (Ca CO3)(mg/L)	157	171	181	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	41.1	33.57	37.52	250	1000
Total Dissolve Solid(mg/L)	368	324	348	500	2000
Calcium(mg/L)	41.85	57.26	54.73	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	38.14	31.91	36.14	200	400
Nitrate(mg/L)	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.171	0.18	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	2.0	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:592

Project / OCP	Hingula OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Kumunda Village Bore Well Water				
Date of Sampling	15-Apr-2022	13-May-2022	14-Jun-2022	Acceptable	Permissible
Colour(Hazen)	2	2	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	2	3	1	5
pH	7.55	8.38	7.84	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	318.2	248.9	266.1	200	600
Total Hardness (Ca CO3)(mg/L)	312	258	437	200	600
Iron(mg/L)	<0.1	<0.1	0.19	1.0	No relaxation
Chloride(mg/L)	88.69	65.55	99.81	250	1000
Total Dissolve Solid(mg/L)	636	446	754	500	2000
Calcium(mg/L)	68.15	58.42	140.04	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	0.18	<0.04	0.1	0.3
Sulphate(mg/L)	5.24	15.41	77.26	200	400
Nitrate(mg/L)	0.64	0.60	36.30	45	No relaxation
Fluoride(mg/L)	0.71	0.36	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.35	0.18	2.2	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	5.6	2.0	3.7	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:593

Project / OCP	Hingula OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Kumunda Village Bore Well Water				
Date of Sampling	13-Jul-2022	12-Aug-2022	15-Sep-2022	Acceptable	Permissible
Colour(Hazen)	3	1	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	2	3	1	5
pH	8.13	7.93	7.69	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	165.3	153.2	161.3	200	600
Total Hardness (Ca CO3)(mg/L)	289	282	298	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	86.76	82.90	80.81	250	1000
Total Dissolve Solid(mg/L)	478	458	474	500	2000
Calcium(mg/L)	107.84	108.27	103.43	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	0.67	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	71.22	49.68	44.78	200	400
Nitrate(mg/L)	<2	<2	<2	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	2.2	0.07	0.29	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	3.7	<1.8	14	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:594

Project / OCP	Hingula OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Kumunda Village Bore Well Water				
Date of Sampling	11-Oct-2022	11-Nov-2022	7-Dec-2022	Acceptable	Permissible
Colour(Hazen)	2	2	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	4	3	3	1	5
pH	7.38	7.14	7.23	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	149	133.3	117.6	200	600
Total Hardness (Ca CO3)(mg/L)	287	267	165	200	600
Iron(mg/L)	<0.1	<0.1	0.3	1.0	No relaxation
Chloride(mg/L)	74.37	64.58	48.92	250	1000
Total Dissolve Solid(mg/L)	454	418	386	500	2000
Calcium(mg/L)	99	79.53	54.95	75	200
Copper(mg/L)	<0.03	<0.03	0.04	0.05	1.5
Manganese(mg/L)	0.07	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	52.18	45.64	39.14	200	400
Nitrate(mg/L)	<2	<2	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.327	0.05	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	5.6	11.0	2.0	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:595

Project / OCP	Hingula OCP			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Kumunda Village Bore Well Water				
Date of Sampling	6-Jan-2023	15-Feb-2023	15-Mar-2023	Acceptable	Permissible
Colour(Hazen)	2	1	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	1	2	1	5
pH	8.33	8.09	7.85	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	101.9	89	76.3	200	600
Total Hardness (Ca CO3)(mg/L)	153	163	145	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	39.1	31.6	27.65	250	1000
Total Dissolve Solid(mg/L)	352	314	278	500	2000
Calcium(mg/L)	51.51	49.30	38.63	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	30.91	26.18	22.36	200	400
Nitrate(mg/L)	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.084	0.17	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	2.0	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:596

Project / OCP	Talcher U/G			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Cn teen Water, GM Office				
Date of Sampling	16-Apr-2022	14-May-2022	15-Jun-2022	Acceptable	Permissible
Colour(Hazen)	1	1	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	1	1	1	1	5
pH	6.86	8.29	7.88	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	102	93.8	84.7	200	600
Total Hardness (Ca CO3)(mg/L)	73	141	112	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	21.21	19.28	17.61	250	1000
Total Dissolve Solid(mg/L)	144	202	178	500	2000
Calcium(mg/L)	22.72	30.83	30.58	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	0.1	0.3
Sulphate(mg/L)	22.06	39.67	33.01	200	400
Nitrate(mg/L)	1.63	0.85	<2	45	No relaxation
Fluoride(mg/L)	0.33	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.04	0.07	0.12	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	13	3.3	4.5	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:597

Project / OCP	Talcher U/G			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Cnteen Water, GM Office				
Date of Sampling	15-Jul-2022	13-Aug-2022	12-Sep-2022	Acceptable	Permissible
Colour(Hazen)	1	2	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	3	3	1	5
pH	8.06	8.21	8.05	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	104.8	120.96	130.6	200	600
Total Hardness (Ca CO3)(mg/L)	149	137	145	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	23.14	28.92	27.59	250	1000
Total Dissolve Solid(mg/L)	274	306	324	500	2000
Calcium(mg/L)	37.02	32.32	42.02	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	62.74	54.82	51.42	200	400
Nitrate(mg/L)	<2	<2	<2	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.32	<0.04	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	2.0	4.0	15	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:598

Project / OCP	Talcher U/G			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Cn teen Water, GM Office				
Date of Sampling	10-Oct-2022	9-Nov-2022	5-Dec-2022	Acceptable	Permissible
Colour(Hazen)	2	2	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	3	3	1	5
pH	7.86	7.68	7.33	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	121.5	129.4	121.5	200	600
Total Hardness (Ca CO3)(mg/L)	141	153	165	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	23.48	27.40	23.48	250	1000
Total Dissolve Solid(mg/L)	316	334	348	500	2000
Calcium(mg/L)	43.82	42.19	46.87	75	200
Copper(mg/L)	<0.03	<0.03	0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	48.76	56.68	62.46	200	400
Nitrate(mg/L)	<2	<2	<2.0	45	No relaxation
Fluoride(mg/L)	<0.2	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	<0.04	0.19	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	4	2.0	2.0	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:599

Project / OCP	Talcher U/G			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Cnteen Water, GM Office				
Date of Sampling	4-Jan-2023	13-Feb-2023	13-Mar-2023	Acceptable	Permissible
Colour(Hazen)	2	2	3	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	2	2	1	5
pH	8.06	7.89	7.66	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	113.7	97.5	106	200	600
Total Hardness (Ca CO3)(mg/L)	153	147	161	200	600
Iron(mg/L)	<0.1	0.106	<0.1	1.0	No relaxation
Chloride(mg/L)	25.44	19.75	23.7	250	1000
Total Dissolve Solid(mg/L)	316	272	294	500	2000
Calcium(mg/L)	54.73	54.08	45.07	75	200
Copper(mg/L)	0.031	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	53.61	44.38	39.78	200	400
Nitrate(mg/L)	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.313	0.292	0.15	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	1.8	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:600

Project / OCP	Talcher U/G			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Canteen , Talcher Colliery				
Date of Sampling	16-Apr-2022	13-May-2022	13-Jun-2022	Acceptable	Permissible
Colour(Hazen)	1	1	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	1	1	1	5
pH	6.81	8.10	7.80	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	28.6	69.4	80.6	200	600
Total Hardness (Ca CO3)(mg/L)	89	173	108	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	15.42	17.35	15.66	250	1000
Total Dissolve Solid(mg/L)	128	274	176	500	2000
Calcium(mg/L)	17.85	42.19	35.41	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	0.1	0.3
Sulphate(mg/L)	23.33	67.20	30.68	200	400
Nitrate(mg/L)	1.56	1.37	<2	45	No relaxation
Fluoride(mg/L)	0.34	<0.30	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.22	0.25	0.35	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	4.0	0.2	6.8	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:601

Project / OCP	Talcher U/G			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Canteen , Talcher Colliery				
Date of Sampling	13-Jul-2022	13-Aug-2022	12-Sep-2022	Acceptable	Permissible
Colour(Hazen)	1	1	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	2	2	1	5
pH	7.95	8.08	7.89	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	88.7	96.8	84.5	200	600
Total Hardness (Ca CO3)(mg/L)	145	145	153	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	23.14	28.92	23.65	250	1000
Total Dissolve Solid(mg/L)	244	278	264	500	2000
Calcium(mg/L)	33.8	30.70	42.02	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	41.78	37.21	34.26	200	400
Nitrate(mg/L)	<2	<2	<2	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.1	<0.04	0.11	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	3.6	2.0	11	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:602

Project / OCP	Talcher U/G			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Canteen , Talcher Colliery				
Date of Sampling	10-Oct-2022	9-Nov-2022	5-Dec-2022	Acceptable	Permissible
Colour(Hazen)	1	2	3	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	2	2	1	5
pH	7.56	7.33	7.49	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	94.1	86.2	78.4	200	600
Total Hardness (Ca CO3)(mg/L)	161	145	93	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	25.44	19.57	15.66	250	1000
Total Dissolve Solid(mg/L)	290	276	254	500	2000
Calcium(mg/L)	48.69	40.57	29.09	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	31.76	26.78	23.57	200	400
Nitrate(mg/L)	<2	<2	<2.0	45	No relaxation
Fluoride(mg/L)	<0.2	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	<0.04	0.16	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	8	3.6	<1.8	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:603

Project / OCP	Talcher U/G			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Canteen , Talcher Colliery				
Date of Sampling	4-Jan-2023	13-Feb-2023	13-Mar-2023	Acceptable	Permissible
Colour(Hazen)	3	2	4	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	2	2	1	5
pH	8.09	7.81	7.89	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	66.6	59.4	63.6	200	600
Total Hardness (Ca CO3)(mg/L)	84	127	141	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	13.69	15.8	19.75	250	1000
Total Dissolve Solid(mg/L)	238	206	178	500	2000
Calcium(mg/L)	25.75	42.94	37.02	75	200
Copper (mg/L)	0.036	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	0.068	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	29.37	24.08	29.63	200	400
Nitrate(mg/L)	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.345	0.132	0.21	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	<1.8	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:604

Project / OCP	Nandira U/G			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Canteen Tap-Water, Nandira Colliery				
Date of Sampling	16-Apr-2022	14-May-2022	15-Jun-2022	Acceptable	Permissible
Colour(Hazen)	2	2	3	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	1	2	1	5
pH	6.83	8.16	7.65	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	69.36	73.4	60.5	200	600
Total Hardness (Ca CO3)(mg/L)	166	190	172	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	17.35	17.35	17.61	250	1000
Total Dissolve Solid(mg/L)	278	268	276	500	2000
Calcium(mg/L)	42.19	38.94	49.9	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	0.1	0.3
Sulphate(mg/L)	124.6	25.83	88.76	200	400
Nitrate(mg/L)	0.54	1.0	<2	45	No relaxation
Fluoride(mg/L)	0.54	<0.30	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	1.61	0.63	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	3.6	<1.8	11	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:605

Project / OCP	Nandira U/G			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Canteen , Nandira Colliery				
Date of Sampling	14-Jul-2022	13-Aug-2022	12-Sep-2022	Acceptable	Permissible
Colour(Hazen)	2	1	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	2	3	1	5
pH	7.77	7.95	7.73	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	64.5	76.6	72.9	200	600
Total Hardness (Ca CO3)(mg/L)	169	189	206	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	19.28	26.99	21.68	250	1000
Total Dissolve Solid(mg/L)	274	304	292	500	2000
Calcium(mg/L)	46.68	40.40	54.95	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	94.50	76.75	71.9	200	400
Nitrate(mg/L)	<2	<2	<2	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.89	<0.04	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	6.1	3.6	8.3	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:606

Project / OCP	Nandira U/G			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Canteen , Nandira Colliery				
Date of Sampling	10-Oct-2022	9-Nov-2022	5-Dec-2022	Acceptable	Permissible
Colour(Hazen)	3	1	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	3	3	1	5
pH	7.98	7.84	7.96	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	86.2	98	110	200	600
Total Hardness (Ca CO3)(mg/L)	214	226	153	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	25.44	27.40	33.27	250	1000
Total Dissolve Solid(mg/L)	316	344	372	500	2000
Calcium(mg/L)	58.42	66.54	50.10	75	200
Copper(mg/L)	<0.03	<0.03	0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	0.07	0.1	0.3
Sulphate(mg/L)	68.47	72.48	76.36	200	400
Nitrate(mg/L)	<2	<2	<2.0	45	No relaxation
Fluoride(mg/L)	<0.2	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.15	0.41	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	4.0	3.7	2.00	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:607

Project / OCP	Nandira U/G			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Canteen , Nandira Colliery				
Date of Sampling	4-Jan-2023	13-Feb-2023	3-Mar-2023	Acceptable	Permissible
Colour(Hazen)	2	2	4	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	2	2	1	5
pH	8.03	7.74	7.59	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	104.8	89	80.6	200	600
Total Hardness (Ca CO3)(mg/L)	145	143	120	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	27.4	23.7	17.77	250	1000
Total Dissolve Solid(mg/L)	334	286	246	500	2000
Calcium(mg/L)	49.90	46.12	35.41	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	60.25	48.19	45.36	200	400
Nitrate(mg/L)	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.042	0.187	0.28	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	<1.8	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:608

Project / OCP	Nandira U/G			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Pit Top Tap Water. Nandira Colliery				
Date of Sampling	16-Apr-2022	14-May-2022	15-Jun-2022	Acceptable	Permissible
Colour(Hazen)	1	2	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	1	2	1	1	5
pH	6.88	7.94	7.72	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	65.3	73.4	56.4	200	600
Total Hardness (Ca CO3)(mg/L)	166	165	168	200	600
Iron(mg/L)	<01	<0.1	<0.1	0.3	No relaxation
Chloride(mg/L)	19.28	32.78	19.57	250	1000
Total Dissolve Solid(mg/L)	272	302	278	500	2000
Calcium(mg/L)	42.19	42.19	41.85	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	<0.07	<0.04	0.1	0.3
Sulphate(mg/L)	117.45	93.34	74.8	200	400
Nitrate(mg/L)	0.77	10.48	<2	45	No relaxation
Fluoride(mg/L)	0.50	<0.30	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	0.05
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.16	0.4	0.88	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	1.0
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	2.0	4.0	6.1	—	—
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:609

Project / OCP	Nandira U/G			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Pit Top, Nandira Colliery				
Date of Sampling	14-Jul-2022	13-Aug-2022	12-Sep-2022	Acceptable	Permissible
Colour(Hazen)	1	1	3	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	2	2	1	5
pH	7.60	7.69	7.47	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	64.5	56.4	61.4	200	600
Total Hardness (Ca CO3)(mg/L)	169	161	181	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	0.3	No relaxation
Chloride(mg/L)	15.42	19.28	15.77	250	1000
Total Dissolve Solid(mg/L)	268	286	268	500	2000
Calcium(mg/L)	41.85	38.78	35.55	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	0.26	<0.04	0.1	0.3
Sulphate(mg/L)	78.08	66.48	61.82	200	400
Nitrate(mg/L)	<2	<2	<2	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	0.05
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.07	0.19	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	1.0
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	2.0	13	3.6	—	—
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:610

Project / OCP	Nandira U/G			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Pit Top, Nandira Colliery				
Date of Sampling	21-Oct-2022	9-Nov-2022	5-Dec-2022	Acceptable	Permissible
Colour(Hazen)	3	3	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	2	3	1	5
pH	7.63	7.41	7.62	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	66.6	86.2	98.0	200	600
Total Hardness (Ca CO3)(mg/L)	194	190	194	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	0.3	No relaxation
Chloride(mg/L)	19.57	23.48	29.35	250	1000
Total Dissolve Solid(mg/L)	282	306	328	500	2000
Calcium(mg/L)	38.95	45.44	66.26	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	58.44	64.38	59.76	200	400
Nitrate(mg/L)	<2	<2	<2.0	45	No relaxation
Fluoride(mg/L)	<0.2	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	0.05
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.16	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	1.0
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	8.1	6.1	3.60	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:611

Project / OCP	Nandira U/G			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Pit Top, Nandira Colliery				
Date of Sampling	4-Jan-2023	13-Feb-2023	13-Mar-2023	Acceptable	Permissible
Colour(Hazen)	3	3	3	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	3	2	1	5
pH	8.06	7.79	7.63	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	86.2	76.3	89	200	600
Total Hardness (Ca CO3)(mg/L)	177	159	145	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	25.44	21.72	25.67	250	1000
Total Dissolve Solid(mg/L)	296	264	226	500	2000
Calcium(mg/L)	49.90	54.08	49.90	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	48.42	38.16	42.97	200	400
Nitrate(mg/L)	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.087	0.08	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	2.0	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:612

Project / OCP	Deulbera U/G			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Deulbera Manager Office				
Date of Sampling	16-Apr-2022	16-May-2022	15-Jun-2022	Acceptable	Permissible
Colour(Hazen)	2	1	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	1	1	1	5
pH	6.55	8.0	7.07	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	155	77.5	96.8	200	600
Total Hardness (Ca CO3)(mg/L)	211	161	128	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	0.3	No relaxation
Chloride(mg/L)	36.63	30.85	21.53	250	1000
Total Dissolve Solid(mg/L)	318	306	214	500	2000
Calcium(mg/L)	55.17	53.55	37.02	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	0.05	1.5
Manganese(mg/L)	0.073	<0.07	<0.04	0.1	0.3
Sulphate(mg/L)	105.55	15.69	33.15	200	400
Nitrate(mg/L)	6.17	10.51	2.07	45	No relaxation
Fluoride(mg/L)	0.60	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	0.05
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.16	0.17	0.07	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	1.0
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	4	3.7	4.0	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:613

Project / OCP	Deulbera U/G			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Deulbera Manager Office				
Date of Sampling	14-Jul-2022	13-Aug-2022	12-Sep-2022	Acceptable	Permissible
Colour(Hazen)	1	1	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	1	2	2	1	5
pH	7.23	7.47	7.59	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	84.7	64.5	69.1	200	600
Total Hardness (Ca CO3)(mg/L)	112	97	113	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	0.3	No relaxation
Chloride(mg/L)	21.21	25.06	29.57	250	1000
Total Dissolve Solid(mg/L)	202	234	254	500	2000
Calcium(mg/L)	27.36	22.62	30.71	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	40.82	35.62	32.67	200	400
Nitrate(mg/L)	<2	<2	<2	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	0.05
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.1	<0.04	0.12	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	1.0
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	5.5	6.8	2.0	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:614

Project / OCP	Deulbera U/G			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Deulbera Manager Office				
Date of Sampling	10-Oct-2022	9-Nov-2022	5-Dec-2022	Acceptable	Permissible
Colour(Hazen)	2	2	3	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	2	2	1	5
pH	7.37	7.53	7.46	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	78.4	66.6	78.4	200	600
Total Hardness (Ca CO3)(mg/L)	125	113	157	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	0.3	No relaxation
Chloride(mg/L)	27.4	21.53	19.57	250	1000
Total Dissolve Solid(mg/L)	268	246	278	500	2000
Calcium(mg/L)	32.46	29.21	54.95	75	200
Copper(mg/L)	<0.03	<0.03	0.05	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	28.76	26.48	34.28	200	400
Nitrate(mg/L)	<2	<2	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	0.05
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.2	0.14	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	1.0
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	<1.8	2.0	5.80	—	—
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:615

Project / OCP	Deulbera U/G			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Deulbera Manager Office				
Date of Sampling	4-Jan-2023	13-Feb-2023	13-Mar-2023	Acceptable	Permissible
Colour(Hazen)	1	1	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	1	3	1	5
pH	8.09	7.93	7.75	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	66.6	63.6	67.8	200	600
Total Hardness (Ca CO3)(mg/L)	149	139	137	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	0.3	No relaxation
Chloride(mg/L)	15.66	13.82	15.8	250	1000
Total Dissolve Solid(mg/L)	256	238	210	500	2000
Calcium(mg/L)	25.75	42.94	41.85	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	38.32	33.78	28.76	200	400
Nitrate(mg/L)	<2.0	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	0.05
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.086	0.14	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	1.0
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	1.8	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:616

Project / OCP	Handhidhwa Colliery			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Pit Top				
Date of Sampling	16-Apr-2022	16-May-2022	15-Jun-2022	Acceptable	Permissible
Colour(Hazen)	1	3	1	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	1	3	2	1	5
pH	6.76	8.27	7.32	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	105.6	261.1	84.7	200	600
Total Hardness (Ca CO3)(mg/L)	121	230	160	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	13.50	69.41	33.27	250	1000
Total Dissolve Solid(mg/L)	142	942	312	500	2000
Calcium(mg/L)	17.85	47.06	45.07	75	200
Copper(mg/L)	<0.04	<0.04	<0.03	0.05	1.5
Manganese(mg/L)	<0.07	0.1	<0.04	0.1	0.3
Sulphate(mg/L)	20.16	1.03	67.4	200	400
Nitrate(mg/L)	1.67	0.89	9.68	45	No relaxation
Fluoride(mg/L)	0.32	0.46	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.06	0.26	0.13	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	3.7	<1.8	3.7	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:617

Project / OCP	Handhidhua Colliery			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Pit Top				
Date of Sampling	14-Jul-2022	13-Aug-2022	12-Sep-2022	Acceptable	Permissible
Colour(Hazen)	1	1	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	2	3	3	1	5
pH	7.44	7.63	7.49	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	72.6	84.7	69.1	200	600
Total Hardness (Ca CO3)(mg/L)	157	177	169	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	32.78	38.56	31.54	250	1000
Total Dissolve Solid(mg/L)	302	328	312	500	2000
Calcium(mg/L)	43.46	43.63	40.40	75	200
Copper (mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	54.7	48.39	44.72	200	400
Nitrate(mg/L)	7.72	7.93	7.01	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.04	0.05	0.15	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	33	4.0	6.1	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:618

Project / OCP	Handhidhua Colliery			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Pit Top				
Date of Sampling	10-Oct-2022	9-Nov-2022	5-Dec-2022	Acceptable	Permissible
Colour(Hazen)	2	1	4	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	3	3	1	5
pH	7.57	7.69	7.43	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	82.3	78.4	66.6	200	600
Total Hardness (Ca CO3)(mg/L)	174	157	169	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	27.4	23.48	17.60	250	1000
Total Dissolve Solid(mg/L)	334	308	290	500	2000
Calcium(mg/L)	42.19	43.82	58.18	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	41.37	36.82	44.36	200	400
Nitrate(mg/L)	6.86	6.57	7.41	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	<0.04	0.15	<0.04	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	2.0	<1.8	2.00	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

Table:619

Project / OCP	Handhidhua Colliery			Indian Drinking Standards (IS-10500):2012	
Monitoring Station	Pit Top				
Date of Sampling	4-Jan-2023	13-Feb-2023	13-Mar-2023	Acceptable	Permissible
Colour(Hazen)	2	3	2	5	15
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Turbidity(NTU)	3	3	2	1	5
pH	8.11	7.98	7.86	6.5-8.5	No relaxation
Total Alkalinity(mg/L)	70.6	59.4	55.1	200	600
Total Hardness (Ca CO3)(mg/L)	165	147	124	200	600
Iron(mg/L)	<0.1	<0.1	<0.1	1.0	No relaxation
Chloride(mg/L)	13.7	15.8	17.77	250	1000
Total Dissolve Solid(mg/L)	264	246	204	500	2000
Calcium(mg/L)	19.32	54.08	35.41	75	200
Copper(mg/L)	<0.03	<0.03	<0.03	0.05	1.5
Manganese(mg/L)	<0.04	<0.04	<0.04	0.1	0.3
Sulphate(mg/L)	27.36	22.19	18.97	200	400
Nitrate(mg/L)	6.95	<2.0	<2.0	45	No relaxation
Fluoride(mg/L)	<0.3	<0.3	<0.3	1	1.5
Arsenic(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Lead(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation
Zinc(mg/L)	0.083	0.866	0.26	5	15
Total Chromium (mg/L)	<0.01	<0.01	<0.01	0.05	No relaxation
Boron(mg/L)	<0.2	<0.2	<0.2	0.5	2.4
Cadmium(mg/L)	<0.001	<0.001	<0.001	0.003	No relaxation
MPN (Index/100 ml)	1.8	Absent	Absent	–	–
Residual Free Chlorine(mg/L)	<0.2	<0.2	<0.2	0.2	1.0
Phenolics(mg/L)	<0.001	<0.001	<0.001	0.001	0.002
Selenium(mg/L)	<0.005	<0.005	<0.005	0.01	No relaxation

9.2.5 PIEZOMETER WATER ANALYTICAL RESULTS

Table:620

Area: Jagannath

Project: Jagannath OCP

Monitoring Station: Piezometer no MTP 04; Inside central nursery (beside golf hut), Jagannath area

Date of Sampling	Ground Water level
26-May-22	4.2
22-Aug-22	3.45
24-Nov-22	4.1
04-Jan-23	4.15

Table:621

Area: Jagannath

Project: Ananta OCP

Monitoring Station: Piezometer no MTP 05; Outside Ananta OCP canteen

Date of Sampling	Ground Water level
26-May-22	29.71
22-Aug-22	26.4
24-Nov-22	29.67
04-Jan-23	29.69

Table:622

Area: Bharatpur

Project: Bharatpur OCP

Monitoring Station: Piezometer no MTP 09; Inside the premises of Joragarhia Panchayat high school

Date of Sampling	Ground Water level
26-May-22	5.36
22-Aug-22	4.8
25-Nov-22	5.17
05-Jan-23	5.19

Table:623

Area: Bharatpur

Project: Bharatpur OCP

Monitoring Station: Piezometer no MTP 10; Inside the premises of Danara high school (reported)

Date of Sampling	Ground Water level
26-May-22	Casing jammed

22-Aug-22	13.45
24-Nov-22	Casing jammed
05-Jan-23	Casing jammed

Table:624

Area: Lingaraj**Project: Lingraj OCP****Monitoring Station: Piezometer no MTP 01; Inside the premises of Mandapal hospital**

Date of Sampling	Ground Water level
26-May-22	11.22
23-Aug-22	10.11
25-Nov-22	11.17
05-Jan-23	11.19

Table:625

Area: Lingaraj**Project: Lingraj OCP****Monitoring Station: Piezometer no MTP 04; Inside central nursery (beside golf hut), Jagannath area (reported)**

Date of Sampling	Ground Water level
26-May-22	4.2
22-Aug-22	3.45
25-Nov-22	4.1
05-Jan-23	4.15

Table:626

Area: Kaniha**Project: Kaniha OCP****Monitoring Station: Piezometer no MTP 18; Inside the premisses of Chellia Prathamiki school**

Date of Sampling	Ground Water level
26-May-22	6.79
23-Aug-22	5.9
24-Nov-22	6.28
06-Jan-23	6.33

Table:627

Area: Kaniha**Project: Kaniha OCP**

Monitoring Station: Piezometer no MTP 19; Outside Golaghar sahi primary school, Bijigol (school constructed by NTPC)

Date of Sampling	Ground Water level
26-May-22	4.28
23-Aug-22	3.25
24-Nov-22	3.98
06-Jan-23	3.99

Table:628

Area: Kaniha

Project: Kaniha OCP

Monitoring Station: Piezometer no MTP 20; Inside the premises of Kansamunda village old site office, MCL

Date of Sampling	Ground Water level
26-May-22	41.7
23-Aug-22	14.05
24-Nov-22	25.68
06-Jan-23	25.72

Table:629

Area: Hingula

Project: Balram OCP

Monitoring Station: Piezometer no MTP 10; Inside the premises of Danara high school

Date of Sampling	Ground Water level
26-May-22	Casing jammed
22-Aug-22	13.45
26-Nov-22	13.45
05-Jan-23	Casing jammed

Table:630

Area: Hingula

Project: Balram OCP

Monitoring Station: Piezometer no MTP 12; In Betianalli village, opposite to Sindhu deori's house

Date of Sampling	Ground Water level
26-May-22	7.17

23-Aug-22	6.45
26-Nov-22	6.98
06-Jan-23	6.99

Table:631

Area: Hingula**Project: Balram OCP****Monitoring Station: Piezometer no MTP 13 ; Inside the premises of Ambapal Natarha high school**

Date of Sampling	Ground Water level
26-May-22	Casing jammed
23-Aug-22	Casing jammed
26-Nov-22	Casing jammed
07-Jan-23	Casing jammed

Table:632

Area: Hingula**Project: Balram OCP****Monitoring Station: Piezometer no MTP 17; Inside the premises of market building (through gramin rojgar yojna), Kandhaberani village**

Date of Sampling	Ground Water level
26-May-22	Depth could not be measured as pump fitted
22-Aug-22	Depth could not be measured as pump fitted
26-Nov-22	Depth could not be measured as pump fitted
06-Jan-23	Pump fitted

Table:633

Area: Hingula**Project: Hingula OCP****Monitoring Station: Piezometer no MTP 14; Inside the premises of Pirakhamam village primary school**

Date of Sampling	Ground Water level
26-May-22	15.14
22-Aug-22	10.05

26-Nov-22	14.01
06-Jan-23	14.03

Table634

Area: Hingula**Project: Hingula OCP****Monitoring Station: Piezometer no MTP 15; Beside Sujan Pradhan's house in Chottaberani village, near nalla.**

Date of Sampling	Ground Water level
26-May-22	7.29
22-Aug-22	5.45
26-Nov-22	6.71
06-Jan-23	6.79

Table:635

Area: Hingula**Project: Hingula OCP****Monitoring Station: Piezometer no MTP 16; Backside of Hingula Mandir VIP guest house**

Date of Sampling	Ground Water level
26-May-22	Depth could not be measured as pump fitted
22-Aug-22	Depth could not be measured as pump fitted
26-Nov-22	Depth could not be measured as pump fitted
06-Jan-23	Pump fitted

Table:636

Area: Talcher**Project: Nandira Colliery****Monitoring Station: Piezometer no MTP 11; Inside the premises of Hingula area office**

Date of Sampling	Ground Water level
26-May-22	8.23
22-Aug-22	7.35
24-Nov-22	8.06
04-Jan-23	8.09

Table:637

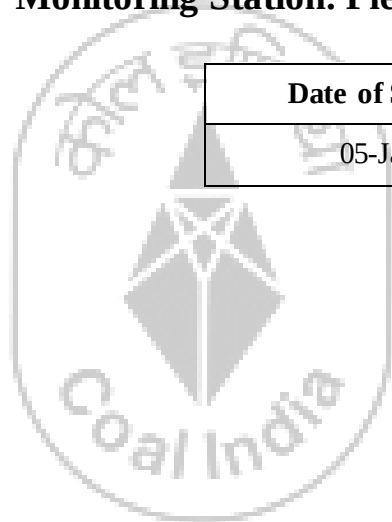
Area: Talcher**Project: Deulbera****Monitoring Station: Piezometer no MTP 01; Inside the premises of Mandapal hospital (Reported only)**

Date of Sampling	Ground Water level
26-May-22	11.22
23-Aug-22	10.11
24-Nov-22	11.17
05-Jan-23	11.19

Table:638

Area: Talcher**Project: Handhidhua Colliery****Monitoring Station: Piezometer no MTP 03; Near Handidua level crossing**

Date of Sampling	Ground Water level
05-Jan-23	Site Damaged



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SECTION 10: NOISE LEVEL MONITORING

To know the background ambient noise level at the project and surrounding environment, noise level were measured at almost all the ambient air monitoring stations for study.

The Day time & Night time average noise level data are given in tabular formats as well as in graphical form for easy interpretation.

Here, the day time means time from 06:00 am to 10:00 pm & night time means time from 10:00 pm to 06:00 am.



Figure 15. Noise Meter used for measurement

10.1: NOISE LEVEL MONITORING RESULTS

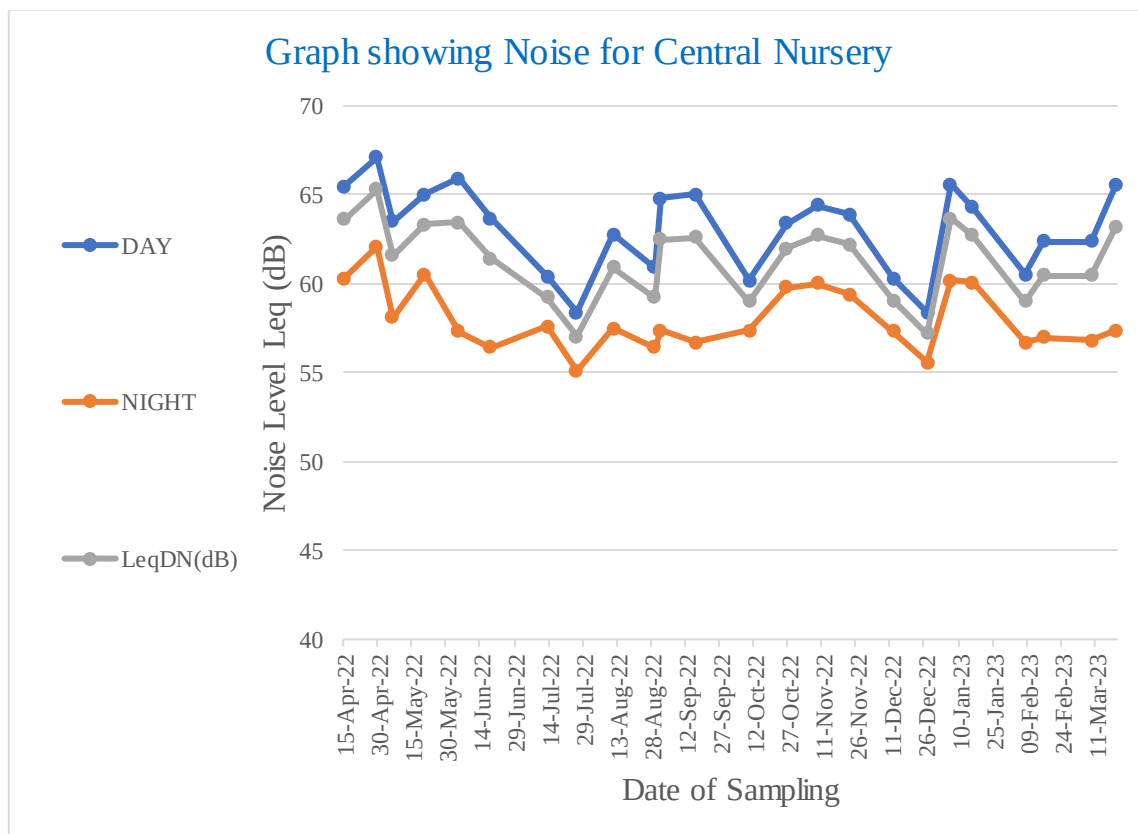
Table:639

Area: Jagannath

Project: Ananta OCP

Monitoring Station: Central Nursery

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
15-Apr-22	65.5	60.3	63.6
29-Apr-22	67.1	62.1	65.3
06-May-22	63.5	58.1	61.6
20-May-22	65	60.5	63.3
04-Jun-22	65.9	57.3	63.5
18-Jun-22	63.7	56.4	61.4
13-Jul-22	60.4	57.6	59.2
26-Jul-22	58.4	55.1	57.1
11-Aug-22	62.8	57.5	60.9
29-Aug-22	60.9	56.4	59.2
01-Sep-22	64.8	57.4	62.5
16-Sep-22	65	56.7	62.6
10-Oct-22	60.2	57.4	59.0
26-Oct-22	63.4	59.8	62.0
09-Nov-22	64.4	60	62.7
23-Nov-22	63.9	59.4	62.2
12-Dec-22	60.3	57.3	59.1
27-Dec-22	58.4	55.6	57.2
06-Jan-23	65.6	60.2	63.7
16-Jan-23	64.3	60.1	62.7
08-Feb-23	60.5	56.7	59.0
16-Feb-23	62.4	57	60.5
09-Mar-23	62.4	56.8	60.4
20-Mar-23	65.6	57.4	63.2
MIN	58.4	55.1	57.1
MAX	67.1	62.1	65.3
MEAN	63.10	58.05	61.3



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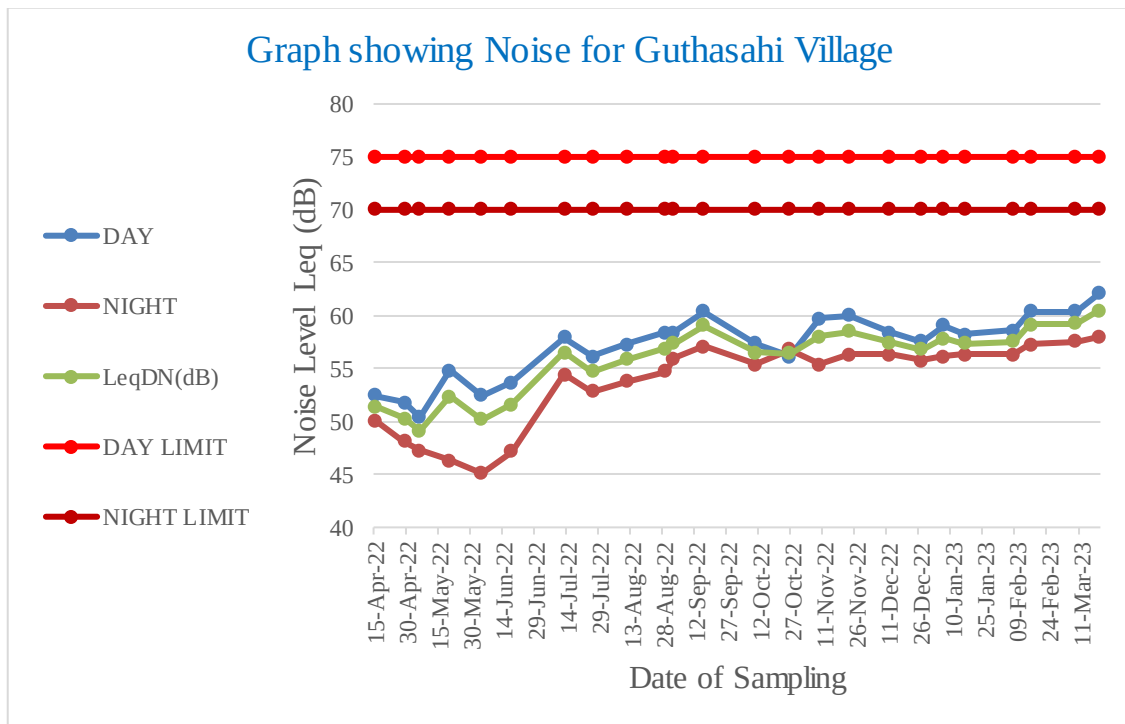
Table:640

Area: Jagannath

Project: Ananta OCP

Monitoring Station: Guthasahi Village

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
15-Apr-22	52.5	50.1	51.5
29-Apr-22	51.8	48.1	50.3
06-May-22	50.4	47.3	49.1
20-May-22	54.8	46.3	52.4
04-Jun-22	52.5	45.1	50.2
18-Jun-22	53.7	47.2	51.6
13-Jul-22	57.9	54.4	56.5
26-Jul-22	56.1	52.8	54.8
11-Aug-22	57.3	53.8	55.9
29-Aug-22	58.4	54.7	56.9
02-Sep-22	58.4	56	57.4
16-Sep-22	60.4	57.1	59.1
10-Oct-22	57.4	55.4	56.5
26-Oct-22	56.1	56.8	56.5
09-Nov-22	59.7	55.4	58.1
23-Nov-22	60	56.3	58.5
12-Dec-22	58.4	56.3	57.5
27-Dec-22	57.6	55.8	56.8
06-Jan-23	59.1	56.11	57.9
16-Jan-23	58.2	56.3	57.4
08-Feb-23	58.6	56.3	57.6
16-Feb-23	60.4	57.3	59.1
09-Mar-23	60.4	57.6	59.2
20-Mar-23	62.1	58	60.5
MIN	50.4	45.1	48.5
MAX	62.1	58.0	60.5
MEAN	57.18	53.77	55.8



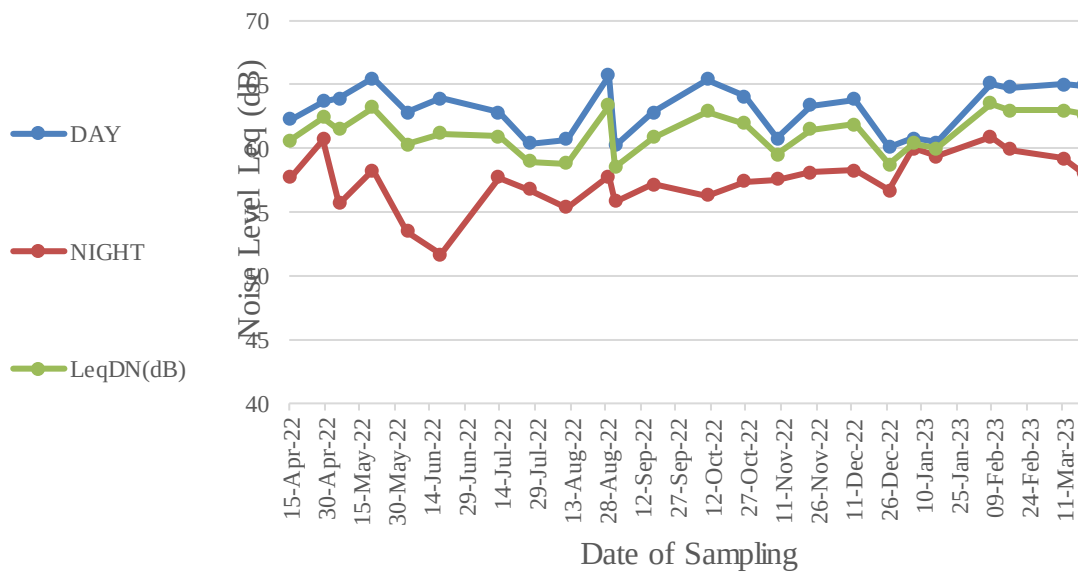
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Table:641
Area: Jagannath
Project: Ananta OCP
Monitoring Station: Near NBVL Station (Reported only)

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
15-Apr-22	62.3	57.7	60.6
29-Apr-22	63.7	60.7	62.5
06-May-22	63.9	55.7	61.5
20-May-22	65.5	58.3	63.2
04-Jun-22	62.8	53.5	60.3
18-Jun-22	63.9	51.7	61.1
13-Jul-22	62.8	57.7	61.0
26-Jul-22	60.4	56.8	59.0
11-Aug-22	60.7	55.4	58.8
29-Aug-22	65.7	57.8	63.3
01-Sep-22	60.2	55.8	58.5
17-Sep-22	62.8	57.2	60.8
10-Oct-22	65.4	56.3	62.9
26-Oct-22	64.1	57.4	61.9
09-Nov-22	60.8	57.6	59.5
23-Nov-22	63.4	58.1	61.5
12-Dec-22	63.8	58.3	61.9
27-Dec-22	60.1	56.7	58.7
06-Jan-23	60.8	60	60.4
16-Jan-23	60.5	59.4	60.0
08-Feb-23	65.1	60.9	63.5
16-Feb-23	64.8	59.9	63.0
11-Mar-23	65	59.2	63.0
20-Mar-23	64.9	58	62.7
MIN	60.1	51.7	57.7
MAX	65.7	60.9	63.9
MEAN	63.06	57.50	61.1

Graph showing Noise for Near NBVL Station (Reported only)



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Table:642

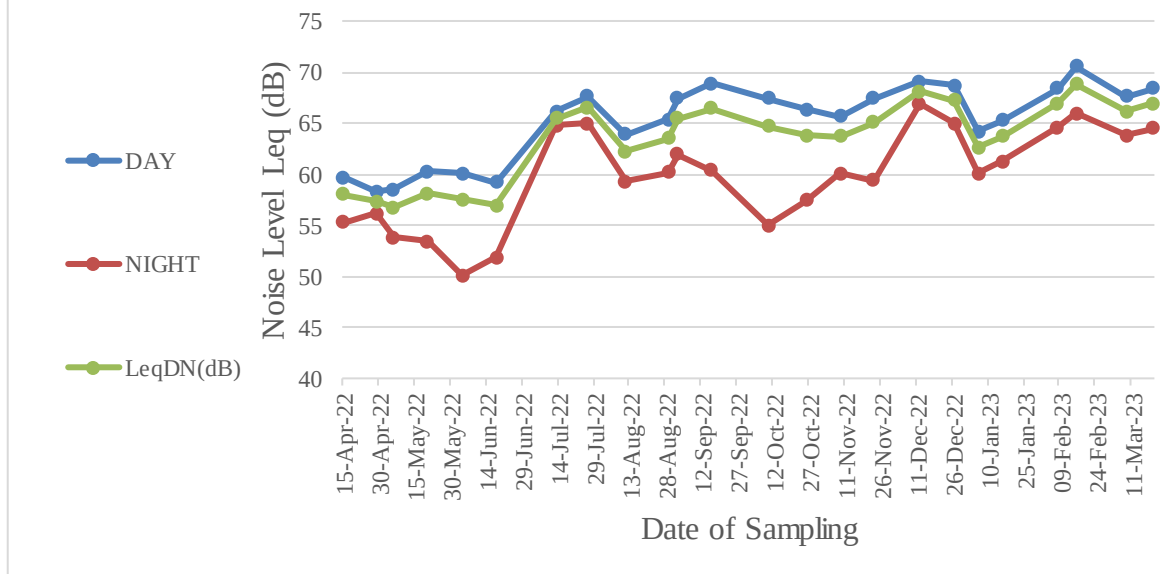
Area: Jagannath

Project: Ananta OCP

Monitoring Station: North East of the Mine

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
15-Apr-22	59.7	55.3	58.0
29-Apr-22	58.3	56.1	57.3
06-May-22	58.5	53.8	56.8
20-May-22	60.3	53.4	58.1
04-Jun-22	60.1	50.1	57.5
18-Jun-22	59.2	51.8	56.9
13-Jul-22	66.1	64.8	65.5
26-Jul-22	67.6	65	66.5
11-Aug-22	63.9	59.3	62.2
29-Aug-22	65.4	60.2	63.5
02-Sep-22	67.4	61.9	65.5
16-Sep-22	68.9	60.4	66.5
10-Oct-22	67.4	55	64.6
26-Oct-22	66.3	57.4	63.8
09-Nov-22	65.6	60.1	63.7
23-Nov-22	67.4	59.4	65.0
12-Dec-22	69.1	66.9	68.1
27-Dec-22	68.7	65	67.2
06-Jan-23	64.2	60.1	62.6
16-Jan-23	65.3	61.2	63.7
08-Feb-23	68.4	64.6	66.9
16-Feb-23	70.5	65.9	68.8
09-Mar-23	67.6	63.8	66.1
20-Mar-23	68.4	64.5	66.9
MIN	58.3	50.1	55.9
MAX	70.5	66.9	69.1
MEAN	65.18	59.83	63.3

Graph showing Noise for North East of the Mine

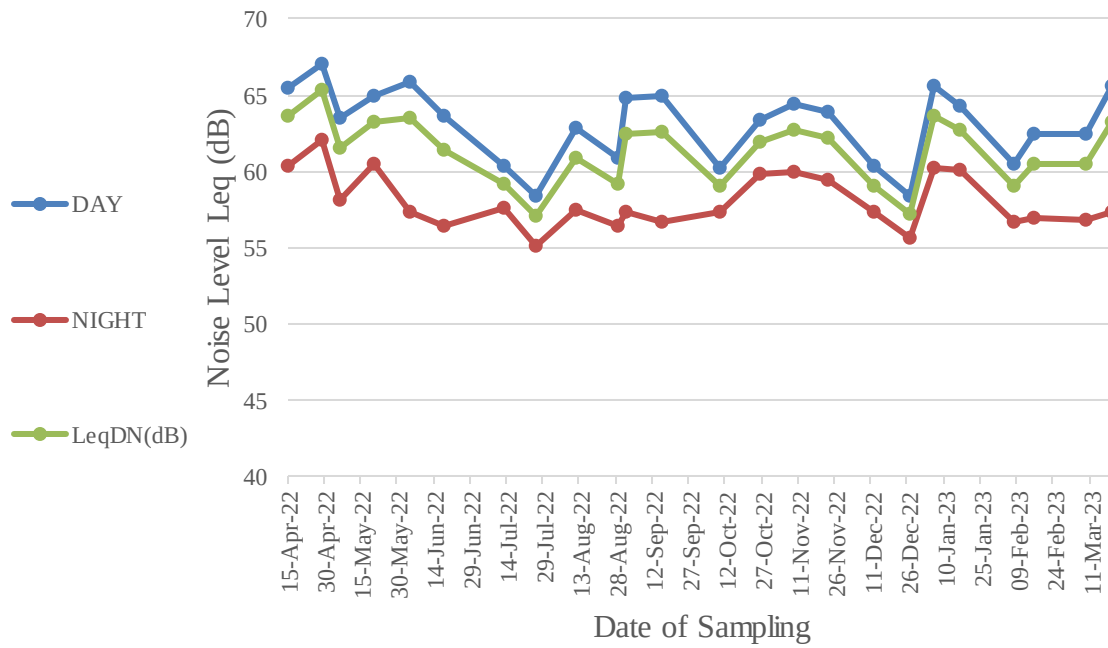


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Table:643
Area: Jagannath
Project: Jagannath OCP
Monitoring Station: Central Nursery (Reported only)

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
15-Apr-22	65.5	60.3	63.6
29-Apr-22	67.1	62.1	65.3
06-May-22	63.5	58.1	61.6
20-May-22	65	60.5	63.3
04-Jun-22	65.9	57.3	63.5
18-Jun-22	63.7	56.4	61.4
13-Jul-22	60.4	57.6	59.2
26-Jul-22	58.4	55.1	57.1
11-Aug-22	62.8	57.5	60.9
29-Aug-22	60.9	56.4	59.2
01-Sep-22	64.8	57.4	62.5
16-Sep-22	65	56.7	62.6
10-Oct-22	60.2	57.4	59.0
26-Oct-22	63.4	59.8	62.0
09-Nov-22	64.4	60	62.7
23-Nov-22	63.9	59.4	62.2
12-Dec-22	60.3	57.3	59.1
27-Dec-22	58.4	55.6	57.2
06-Jan-23	65.6	60.2	63.7
16-Jan-23	64.3	60.1	62.7
08-Feb-23	60.5	56.7	59.0
16-Feb-23	62.4	57	60.5
09-Mar-23	62.4	56.8	60.4
20-Mar-23	65.6	57.4	63.2
MIN	58.4	55.1	57.1
MAX	67.1	62.1	65.3
MEAN	63.10	58.05	61.3

Graph showing Noise for Central Nursery (Reported only)



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Table:644

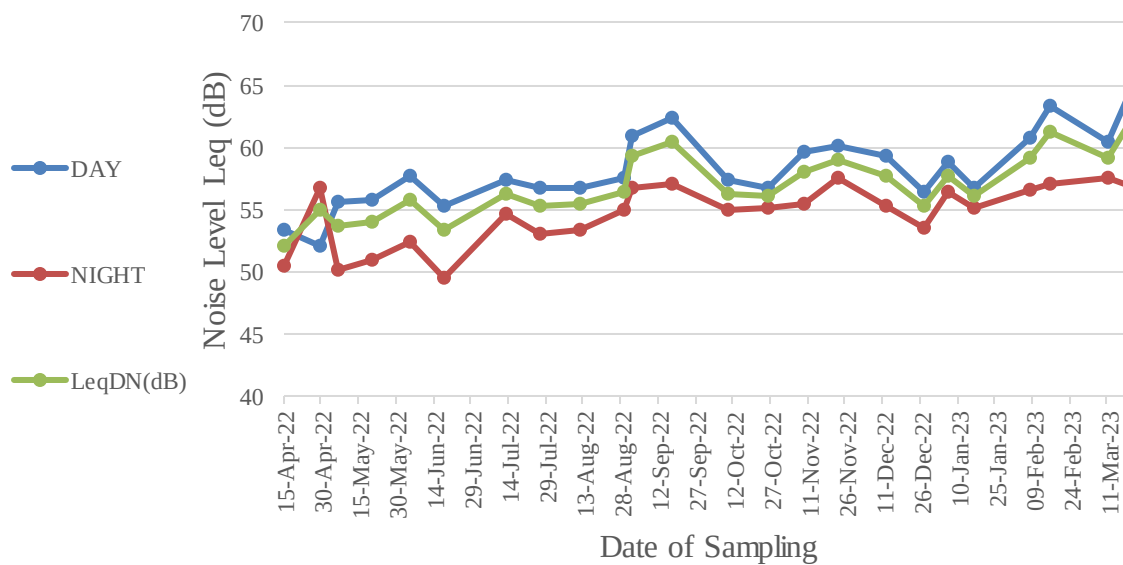
Area: Jagannath

Project: Jagannath OCP

Monitoring Station: CWS Colony, MEETI

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
15-Apr-22	53.3	50.5	52.1
29-Apr-22	52.1	56.7	55.0
06-May-22	55.6	50.1	53.7
20-May-22	55.8	51	54.0
04-Jun-22	57.7	52.4	55.8
18-Jun-22	55.3	49.5	53.3
13-Jul-22	57.4	54.6	56.2
26-Jul-22	56.7	53.1	55.3
11-Aug-22	56.8	53.4	55.4
29-Aug-22	57.6	54.9	56.5
01-Sep-22	60.9	56.7	59.3
17-Sep-22	62.4	57	60.5
10-Oct-22	57.4	54.9	56.3
26-Oct-22	56.8	55.1	56.0
09-Nov-22	59.7	55.4	58.1
23-Nov-22	60.1	57.6	59.0
12-Dec-22	59.3	55.3	57.7
27-Dec-22	56.4	53.6	55.2
06-Jan-23	58.8	56.4	57.8
16-Jan-23	56.8	55.2	56.1
08-Feb-23	60.7	56.6	59.1
16-Feb-23	63.4	57	61.3
11-Mar-23	60.4	57.6	59.2
20-Mar-23	64.4	56.9	62.1
MIN	52.1	49.5	51.0
MAX	64.4	57.6	62.2
MEAN	58.16	54.65	56.7

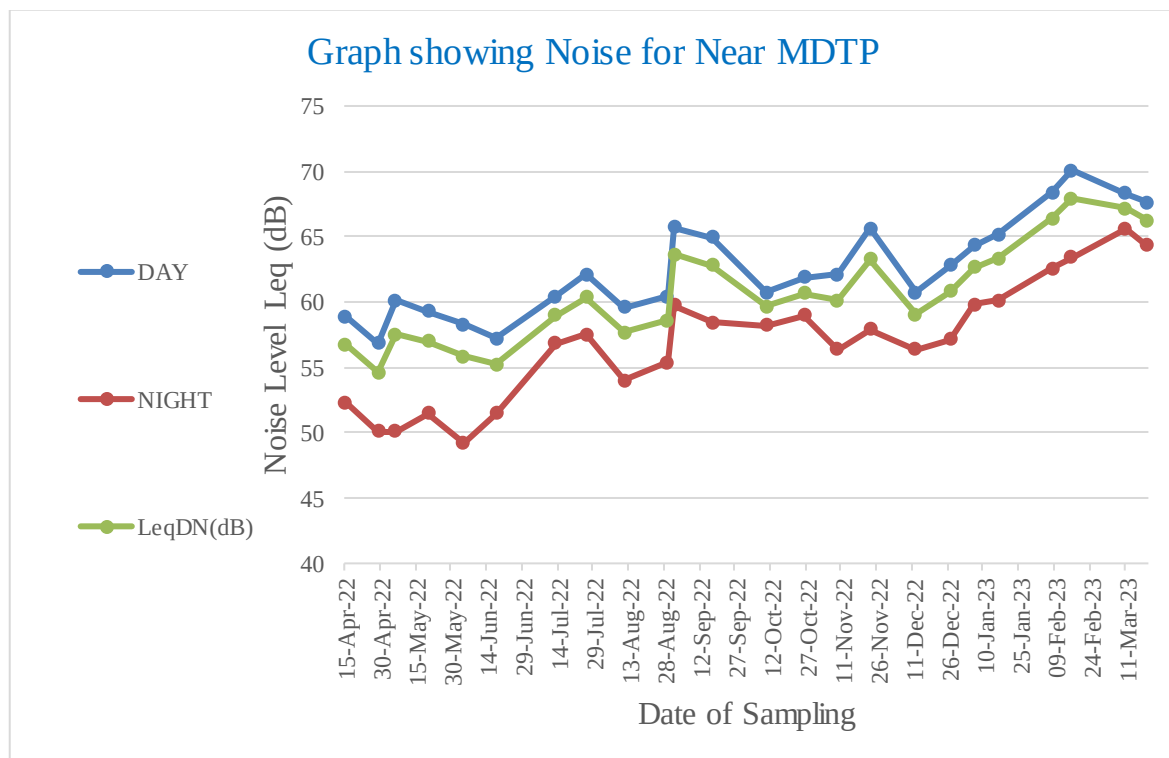
Graph showing Noise for CWS Colony, MEETI



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Table:645
Area: Jagannath
Project: Jagannath OCP
Monitoring Station: Near MDTP

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
15-Apr-22	58.9	52.3	56.7
29-Apr-22	56.8	50.1	54.6
06-May-22	60.1	50.1	57.5
20-May-22	59.3	51.5	57.0
04-Jun-22	58.3	49.2	55.8
18-Jun-22	57.2	51.5	55.2
13-Jul-22	60.4	56.8	59.0
26-Jul-22	62.1	57.5	60.4
11-Aug-22	59.6	54	57.6
29-Aug-22	60.4	55.4	58.6
01-Sep-22	65.7	59.7	63.7
17-Sep-22	64.9	58.4	62.8
10-Oct-22	60.7	58.2	59.6
26-Oct-22	61.9	59	60.7
09-Nov-22	62.1	56.4	60.1
23-Nov-22	65.6	57.9	63.3
12-Dec-22	60.7	56.4	59.1
27-Dec-22	62.8	57.1	60.8
06-Jan-23	64.3	59.8	62.6
16-Jan-23	65.2	60.1	63.4
08-Feb-23	68.4	62.6	66.4
16-Feb-23	70.1	63.4	67.9
11-Mar-23	68.3	65.6	67.2
20-Mar-23	67.6	64.3	66.3
MIN	56.8	49.2	54.5
MAX	70.1	65.6	68.4
MEAN	62.56	56.97	60.6



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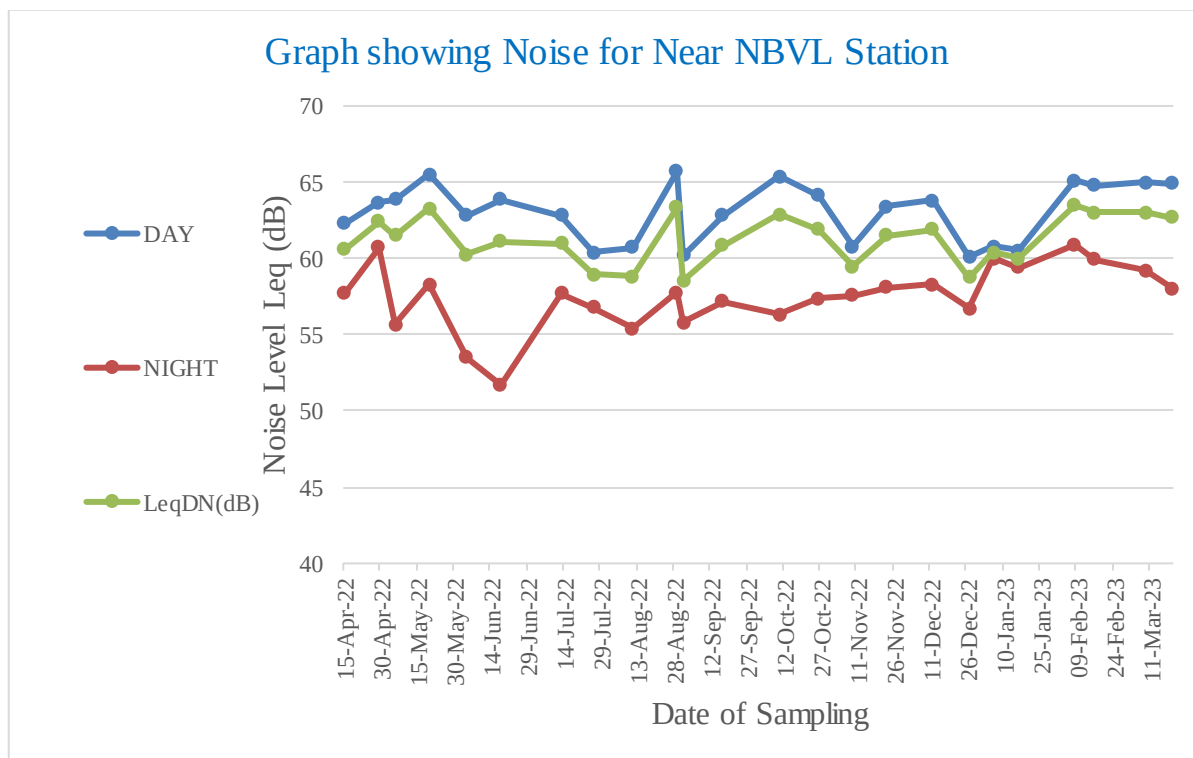
Table:646

Area: Jagannath

Project: Jagannath OCP

Monitoring Station: Near NBVL Station

DATE OF SAMPLING	DAY	NIGHT	LeqDN(dB)
15-Apr-22	62.3	57.7	60.6
29-Apr-22	63.7	60.7	62.5
06-May-22	63.9	55.7	61.5
20-May-22	65.5	58.3	63.2
04-Jun-22	62.8	53.5	60.3
18-Jun-22	63.9	51.7	61.1
13-Jul-22	62.8	57.7	61.0
26-Jul-22	60.4	56.8	59.0
11-Aug-22	60.7	55.4	58.8
29-Aug-22	65.7	57.8	63.3
01-Sep-22	60.2	55.8	58.5
17-Sep-22	62.8	57.2	60.8
10-Oct-22	65.4	56.3	62.9
26-Oct-22	64.1	57.4	61.9
09-Nov-22	60.8	57.6	59.5
23-Nov-22	63.4	58.1	61.5
12-Dec-22	63.8	58.3	61.9
27-Dec-22	60.1	56.7	58.7
06-Jan-23	60.8	60	60.4
16-Jan-23	60.5	59.4	60.0
08-Feb-23	65.1	60.9	63.5
16-Feb-23	64.8	59.9	63.0
09-Mar-23	65	59.2	63.0
20-Mar-23	64.9	58	62.7
MIN	60.1	51.7	57.7
MAX	65.7	60.9	63.9
MEAN	63.06	57.50	61.1

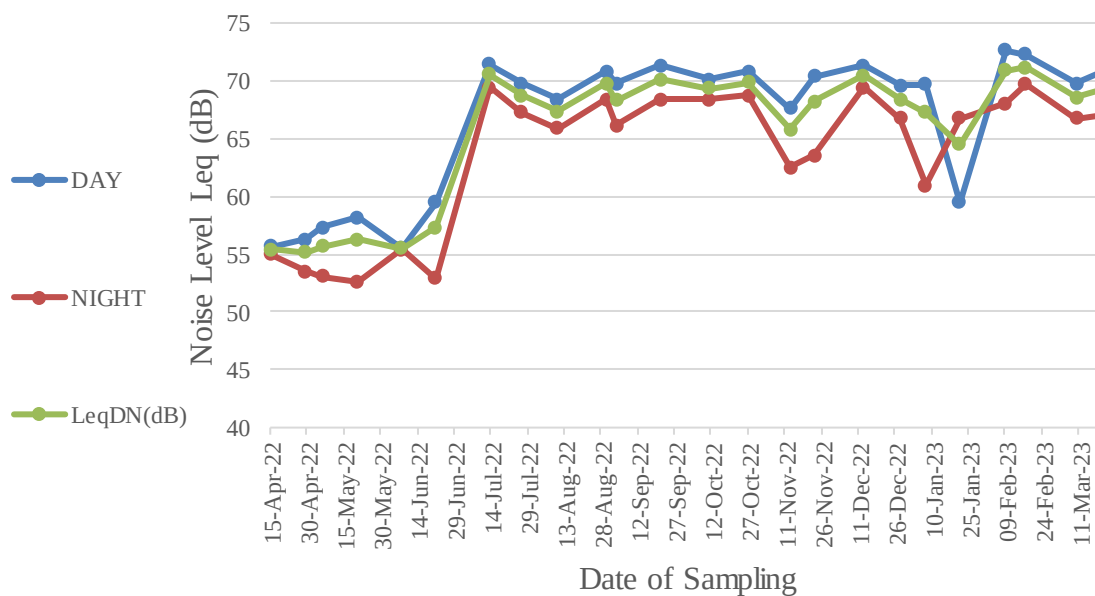


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Table:647
Area: Bharatpur
Project: Bharatpur OCP
Monitoring Station: Near MGR-RLS of Bharatpur

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
15-Apr-22	55.7	55	55.4
29-Apr-22	56.3	53.5	55.1
06-May-22	57.3	53.1	55.7
20-May-22	58.2	52.6	56.2
07-Jun-22	55.5	55.4	55.5
21-Jun-22	59.5	52.9	57.3
13-Jul-22	71.4	69.4	70.5
26-Jul-22	69.8	67.3	68.7
10-Aug-22	68.4	65.9	67.3
30-Aug-22	70.8	68.4	69.8
03-Sep-22	69.8	66.1	68.3
21-Sep-22	71.3	68.4	70.1
11-Oct-22	70.1	68.4	69.3
27-Oct-22	70.8	68.7	69.9
13-Nov-22	67.6	62.5	65.8
23-Nov-22	70.4	63.5	68.2
13-Dec-22	71.3	69.4	70.5
28-Dec-22	69.6	66.7	68.4
07-Jan-23	69.7	60.9	67.2
21-Jan-23	59.5	66.7	64.4
09-Feb-23	72.6	68	70.9
17-Feb-23	72.3	69.7	71.2
10-Mar-23	69.8	66.7	68.5
21-Mar-23	70.8	67	69.3
MIN	55.5	52.6	54.3
MAX	72.6	69.7	71.4
MEAN	66.60	63.59	65.4

Graph showing Noise for Near MGR-RLS of Bharatpur



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Table:648

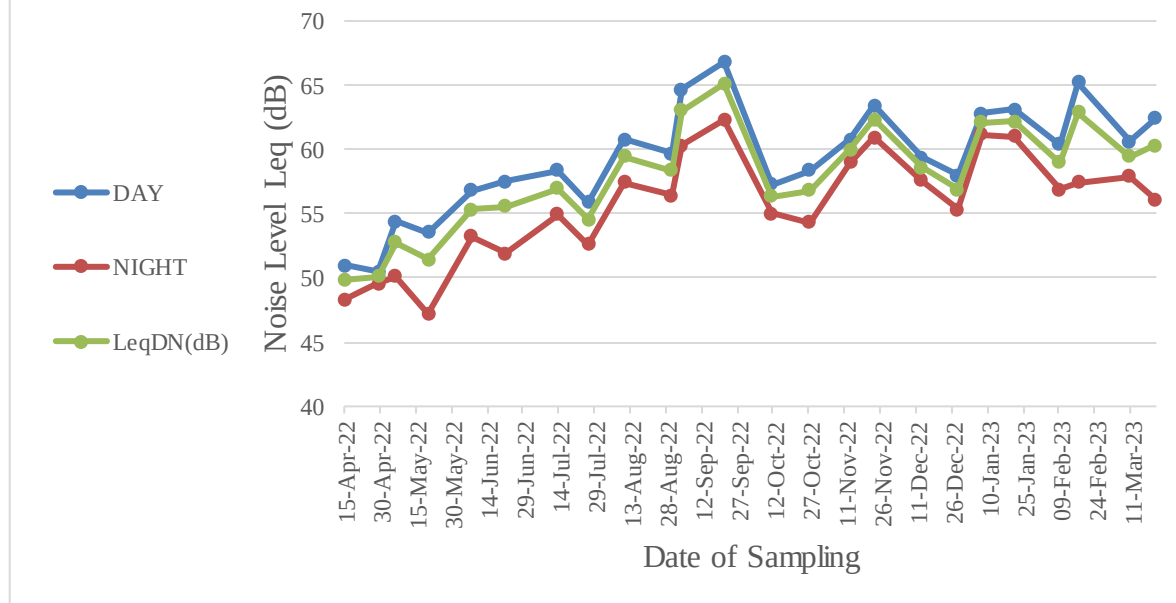
Area: Bharatpur

Project: Bharatpur OCP

Monitoring Station: Near Regional Store

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
15-Apr-22	51	48.3	49.9
29-Apr-22	50.5	49.6	50.1
06-May-22	54.4	50.1	52.8
20-May-22	53.5	47.2	51.4
07-Jun-22	56.8	53.2	55.4
21-Jun-22	57.5	51.9	55.5
13-Jul-22	58.4	54.9	57.0
26-Jul-22	55.9	52.6	54.6
10-Aug-22	60.8	57.4	59.4
30-Aug-22	59.7	56.4	58.4
03-Sep-22	64.7	60.3	63.0
21-Sep-22	66.8	62.3	65.1
11-Oct-22	57.3	55	56.3
27-Oct-22	58.4	54.3	56.8
13-Nov-22	60.8	59	60.0
23-Nov-22	63.4	60.9	62.3
13-Dec-22	59.4	57.6	58.6
28-Dec-22	58	55.3	56.9
07-Jan-23	62.8	61.2	62.1
21-Jan-23	63.1	61	62.2
09-Feb-23	60.4	56.9	59.0
17-Feb-23	65.2	57.4	62.9
10-Mar-23	60.6	57.9	59.5
21-Mar-23	62.4	56.1	60.3
MIN	50.5	47.2	49.2
MAX	66.8	62.3	65.1
MEAN	59.24	55.70	57.8

Graph showing Noise for Near Regional Store



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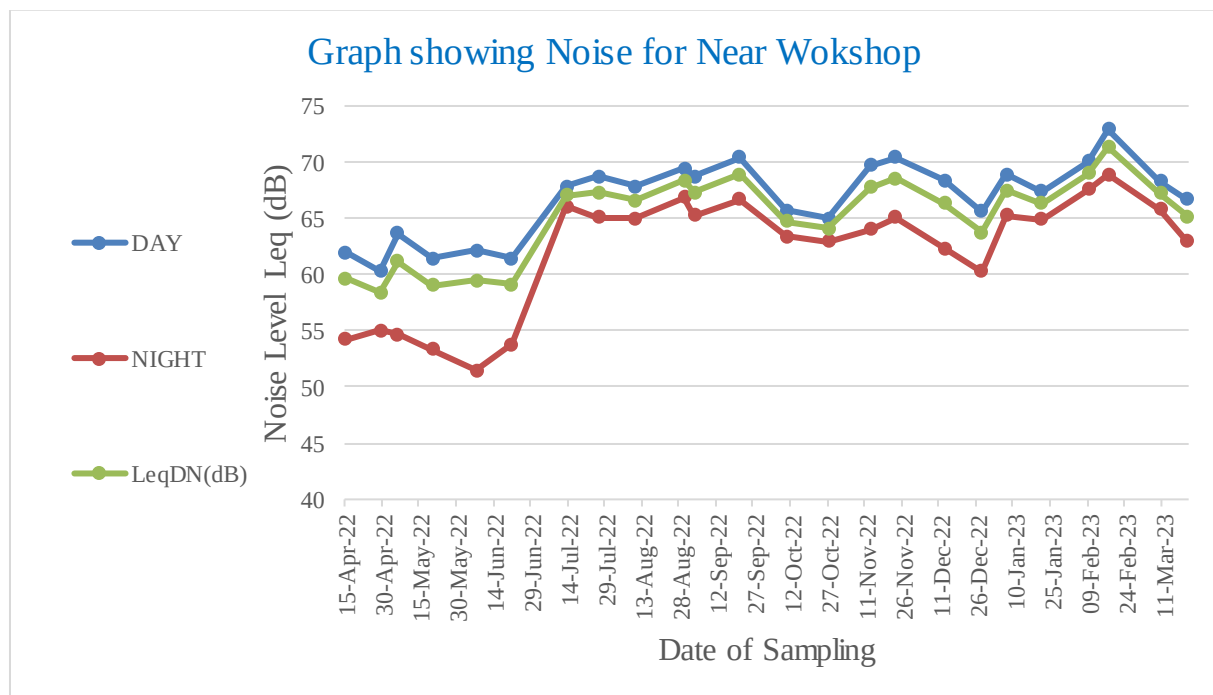
Table:649

Area: Bharatpur

Project: Bharatpur OCP

Monitoring Station: Near Wokshop

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
15-Apr-22	62	54.2	59.7
29-Apr-22	60.3	55	58.4
06-May-22	63.7	54.7	61.2
20-May-22	61.4	53.3	59.0
07-Jun-22	62.1	51.5	59.5
21-Jun-22	61.4	53.8	59.1
13-Jul-22	67.8	66.1	67.0
26-Jul-22	68.7	65.1	67.3
10-Aug-22	67.8	65	66.6
30-Aug-22	69.4	66.9	68.3
03-Sep-22	68.7	65.3	67.3
21-Sep-22	70.4	66.7	68.9
10-Oct-22	65.7	63.4	64.7
27-Oct-22	65	62.9	64.1
13-Nov-22	69.7	64	67.7
23-Nov-22	70.4	65.1	68.5
13-Dec-22	68.4	62.3	66.3
28-Dec-22	65.6	60.3	63.7
07-Jan-23	68.9	65.3	67.5
21-Jan-23	67.4	64.9	66.3
09-Feb-23	70.1	67.6	69.0
17-Feb-23	72.9	68.9	71.3
10-Mar-23	68.3	65.8	67.2
21-Mar-23	66.7	62.9	65.2
MIN	60.3	51.5	57.8
MAX	72.9	68.9	71.3
MEAN	66.78	62.13	65.1

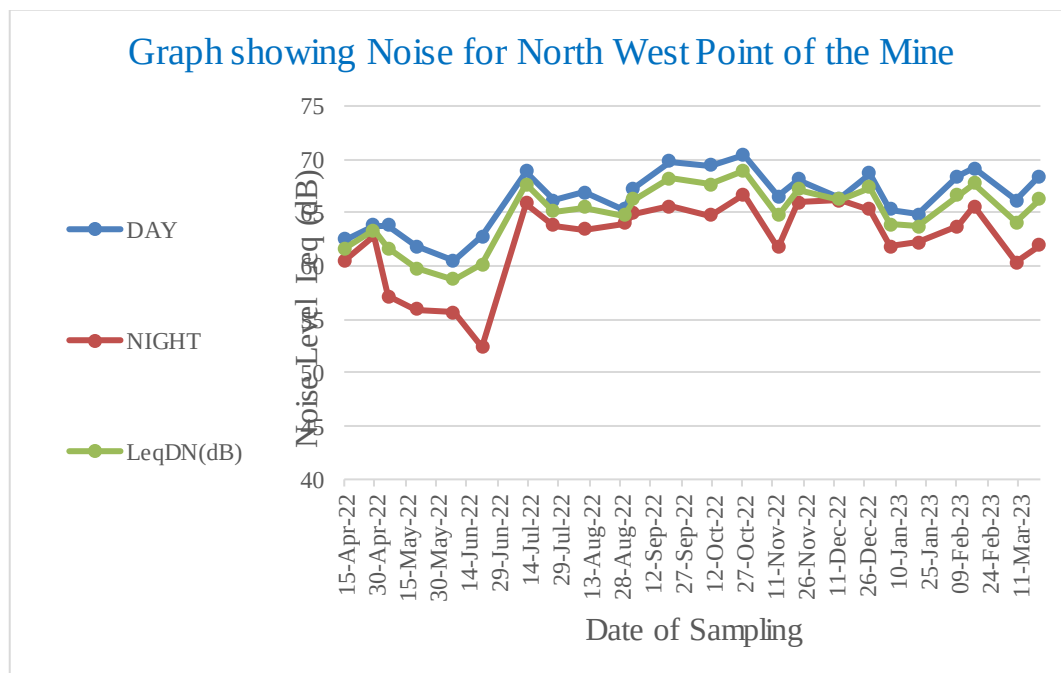


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Table:650
Area: Bharatpur
Project: Bharatpur OCP
Monitoring Station: North West Point of the Mine

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
15-Apr-22	62.5	60.5	61.6
29-Apr-22	63.8	62.9	63.4
06-May-22	63.8	57.1	61.6
20-May-22	61.8	55.9	59.8
07-Jun-22	60.5	55.6	58.7
21-Jun-22	62.8	52.4	60.2
13-Jul-22	68.9	65.9	67.7
26-Jul-22	66.1	63.8	65.1
10-Aug-22	66.9	63.4	65.5
30-Aug-22	65.3	64	64.7
03-Sep-22	67.3	64.9	66.3
21-Sep-22	69.8	65.6	68.2
11-Oct-22	69.4	64.7	67.7
27-Oct-22	70.4	66.7	68.9
13-Nov-22	66.5	61.7	64.7
23-Nov-22	68.1	66	67.2
13-Dec-22	66.3	66.1	66.2
28-Dec-22	68.7	65.3	67.3
07-Jan-23	65.3	61.8	63.9
21-Jan-23	64.8	62.2	63.7
09-Feb-23	68.4	63.7	66.7
17-Feb-23	69.1	65.6	67.7
10-Mar-23	66.1	60.3	64.1
21-Mar-23	68.4	61.9	66.3
MIN	60.5	52.4	58.1
MAX	70.4	66.7	68.9
MEAN	66.29	62.42	64.8



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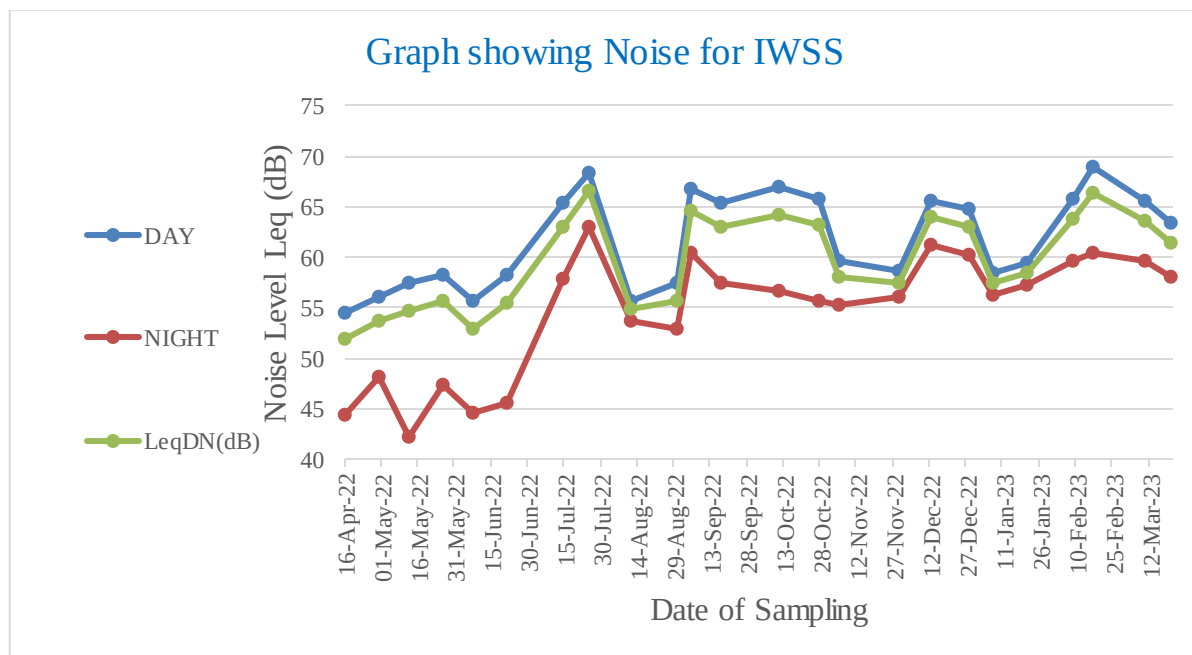
Table:651

Area: Lingaraj

Project: Lingaraj OCP

Monitoring Station: IWSS

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
16-Apr-22	54.5	44.3	51.9
30-Apr-22	56.1	48.2	53.7
12-May-22	57.5	42.3	54.6
26-May-22	58.3	47.3	55.6
07-Jun-22	55.6	44.5	52.9
21-Jun-22	58.2	45.6	55.4
14-Jul-22	65.4	57.8	63.1
25-Jul-22	68.4	63.1	66.5
11-Aug-22	55.7	53.8	54.9
30-Aug-22	57.4	52.9	55.7
05-Sep-22	66.8	60.4	64.7
17-Sep-22	65.3	57.4	62.9
11-Oct-22	66.9	56.7	64.3
27-Oct-22	65.8	55.6	63.2
05-Nov-22	59.7	55.3	58.0
29-Nov-22	58.7	56	57.6
12-Dec-22	65.6	61.3	64.0
28-Dec-22	64.7	60.3	63.0
07-Jan-23	58.4	56.3	57.5
21-Jan-23	59.4	57.3	58.5
09-Feb-23	65.8	59.6	63.7
17-Feb-23	68.9	60.4	66.5
10-Mar-23	65.6	59.7	63.6
21-Mar-23	63.4	58.1	61.5
MIN	54.5	42.3	51.7
MAX	68.9	63.1	66.9
MEAN	61.75	54.76	59.5

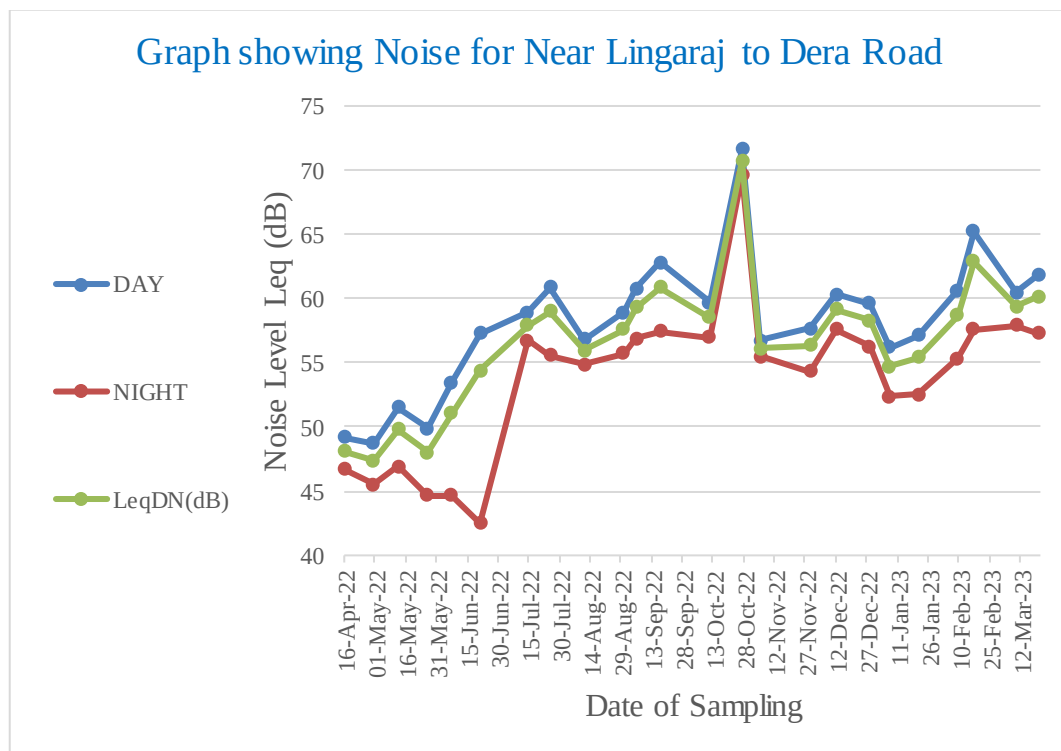


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Table:652
Area: Lingaraj
Project: Lingaraj OCP
Monitoring Station: Near Lingaraj to Dera Road

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
16-Apr-22	49.2	46.7	48.1
30-Apr-22	48.7	45.5	47.4
12-May-22	51.5	46.9	49.8
26-May-22	49.9	44.7	48.0
07-Jun-22	53.5	44.7	51.0
21-Jun-22	57.3	42.5	54.4
14-Jul-22	58.9	56.7	57.9
25-Jul-22	60.9	55.6	59.0
11-Aug-22	56.8	54.9	56.0
30-Aug-22	58.9	55.7	57.6
05-Sep-22	60.8	56.9	59.3
17-Sep-22	62.8	57.4	60.9
11-Oct-22	59.7	57	58.6
27-Oct-22	71.6	69.6	70.7
05-Nov-22	56.7	55.5	56.1
29-Nov-22	57.7	54.3	56.3
12-Dec-22	60.3	57.6	59.2
28-Dec-22	59.6	56.3	58.3
07-Jan-23	56.2	52.4	54.7
21-Jan-23	57.1	52.5	55.4
09-Feb-23	60.6	55.3	58.7
17-Feb-23	65.2	57.6	62.9
10-Mar-23	60.5	57.9	59.4
21-Mar-23	61.9	57.3	60.2
MIN	48.7	42.5	46.6
MAX	71.6	69.6	70.7
MEAN	58.18	53.81	56.5



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Table:653

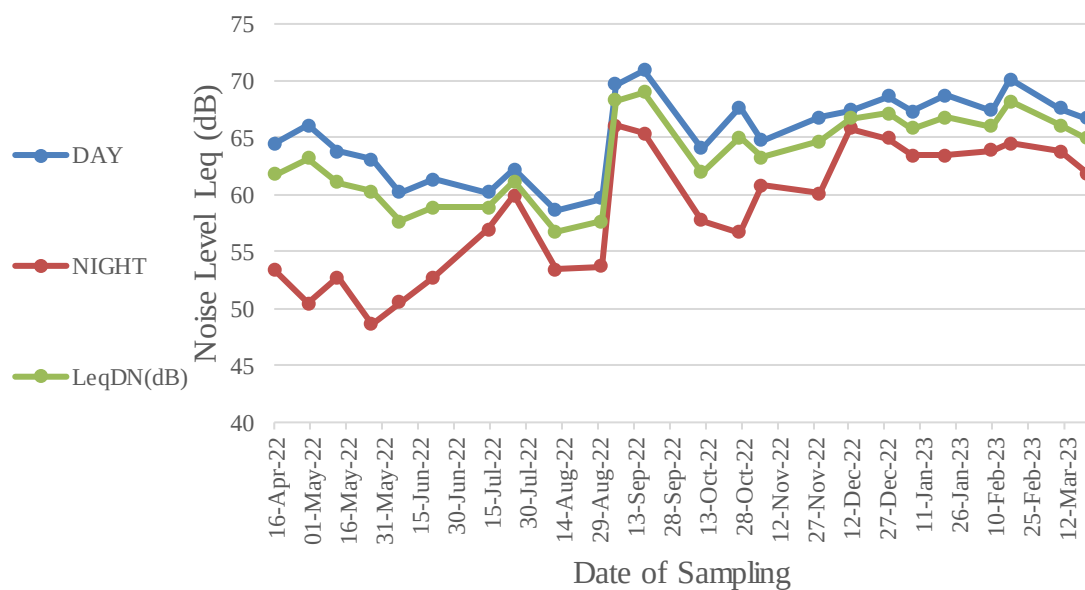
Area: Lingaraj

Project: Lingaraj OCP

Monitoring Station: Near OB Dump No.10 (North Side of the Mine)

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
16-Apr-22	64.5	53.3	61.8
30-Apr-22	66.1	50.4	63.2
12-May-22	63.8	52.7	61.1
26-May-22	63.1	48.6	60.2
07-Jun-22	60.2	50.5	57.6
21-Jun-22	61.3	52.7	58.9
14-Jul-22	60.2	56.9	58.9
25-Jul-22	62.2	59.9	61.2
11-Aug-22	58.6	53.4	56.7
30-Aug-22	59.7	53.7	57.7
05-Sep-22	69.7	66.1	68.3
17-Sep-22	70.9	65.4	69.0
11-Oct-22	64.1	57.7	62.0
27-Oct-22	67.7	56.7	65.0
05-Nov-22	64.8	60.8	63.2
29-Nov-22	66.8	60.1	64.6
12-Dec-22	67.4	65.8	66.7
28-Dec-22	68.6	64.9	67.1
07-Jan-23	67.3	63.4	65.8
21-Jan-23	68.7	63.4	66.8
09-Feb-23	67.4	63.9	66.0
17-Feb-23	70.1	64.5	68.1
10-Mar-23	67.6	63.8	66.1
21-Mar-23	66.7	61.9	64.9
MIN	58.6	48.6	56.0
MAX	70.9	66.1	69.1
MEAN	65.31	58.77	63.2

Graph showing Noise for Near OB Dump No.10 (North Side of the Mine)



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Table:654

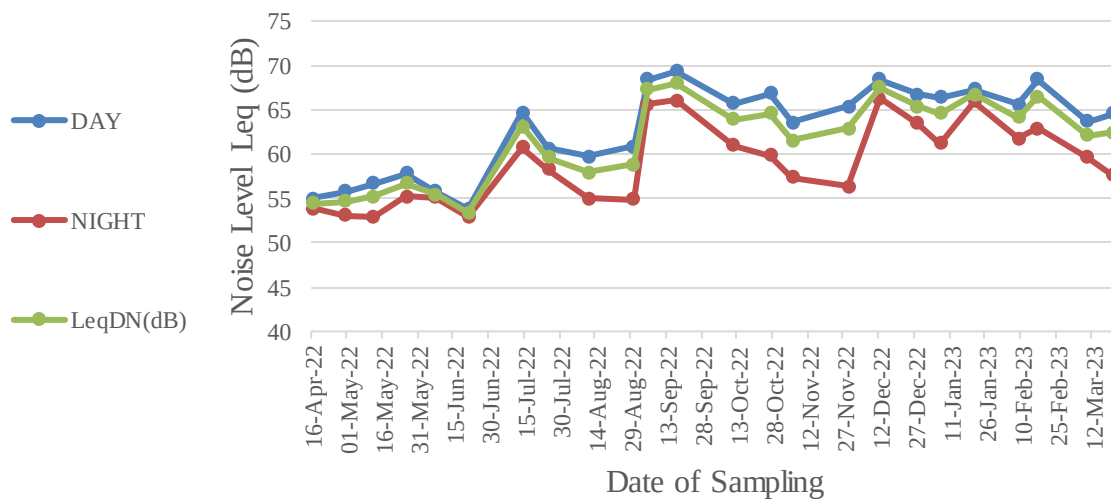
Area: Lingaraj

Project: Lingaraj OCP

Monitoring Station: Near OB Dump No.5 (South Side of the Mine)

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
16-Apr-22	55	53.8	54.4
30-Apr-22	55.8	53.1	54.7
12-May-22	56.7	52.9	55.2
26-May-22	57.8	55.2	56.7
07-Jun-22	55.8	55.1	55.5
21-Jun-22	53.8	52.9	53.4
14-Jul-22	64.7	60.7	63.1
25-Jul-22	60.6	58.2	59.6
11-Aug-22	59.7	55	58.0
30-Aug-22	60.8	54.9	58.8
05-Sep-22	68.4	65.6	67.2
17-Sep-22	69.3	66	68.0
11-Oct-22	65.7	60.9	63.9
27-Oct-22	66.8	59.8	64.6
05-Nov-22	63.6	57.3	61.5
29-Nov-22	65.4	56.3	62.9
12-Dec-22	68.4	66.3	67.5
28-Dec-22	66.7	63.4	65.4
07-Jan-23	66.4	61.2	64.5
21-Jan-23	67.3	65.9	66.7
09-Feb-23	65.6	61.8	64.1
17-Feb-23	68.4	62.9	66.5
10-Mar-23	63.7	59.6	62.1
21-Mar-23	64.6	57.6	62.4
MIN	53.8	52.9	53.4
MAX	69.3	66.3	68.1
MEAN	62.96	59.02	61.4

Graph showing Noise for Near OB Dump No.5 (South Side of the Mine)



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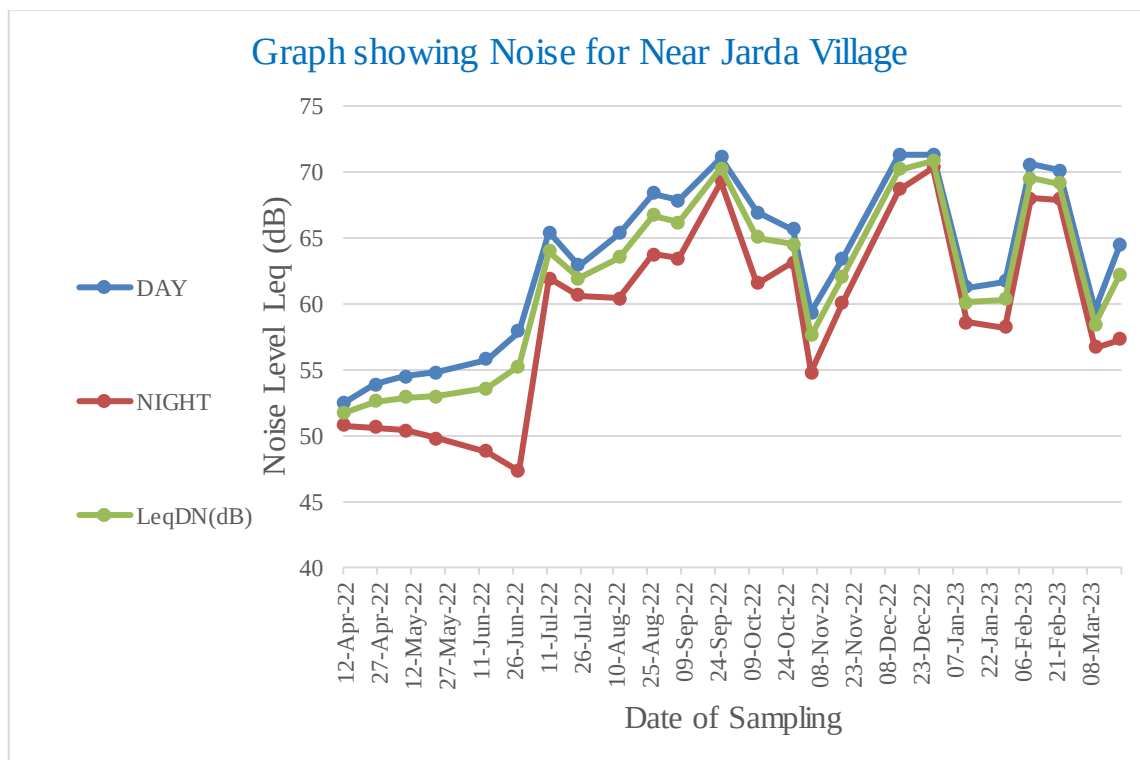
Table:655

Area: Kaniha

Project: Kaniha OCP

Monitoring Station: Near Jarda Village

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
12-Apr-22	52.5	50.8	51.7
26-Apr-22	53.9	50.6	52.6
09-May-22	54.5	50.4	52.9
23-May-22	54.8	49.8	53.0
14-Jun-22	55.8	48.8	53.6
28-Jun-22	57.9	47.3	55.3
12-Jul-22	65.4	61.9	64.0
25-Jul-22	62.9	60.6	61.9
12-Aug-22	65.3	60.4	63.5
27-Aug-22	68.4	63.7	66.7
07-Sep-22	67.8	63.4	66.1
26-Sep-22	71.1	69.3	70.3
12-Oct-22	66.9	61.5	65.0
28-Oct-22	65.6	63.1	64.5
05-Nov-22	59.3	54.8	57.6
19-Nov-22	63.4	60.1	62.1
14-Dec-22	71.3	68.7	70.2
29-Dec-22	71.3	70.3	70.8
13-Jan-23	61.2	58.6	60.1
30-Jan-23	61.7	58.2	60.3
10-Feb-23	70.6	68	69.5
23-Feb-23	70.1	67.9	69.1
11-Mar-23	59.6	56.7	58.4
22-Mar-23	64.5	57.3	62.2
MIN	52.5	47.3	50.6
MAX	71.3	70.3	70.8
MEAN	63.16	59.26	61.6



cmpdi
A Mini Ratna Company

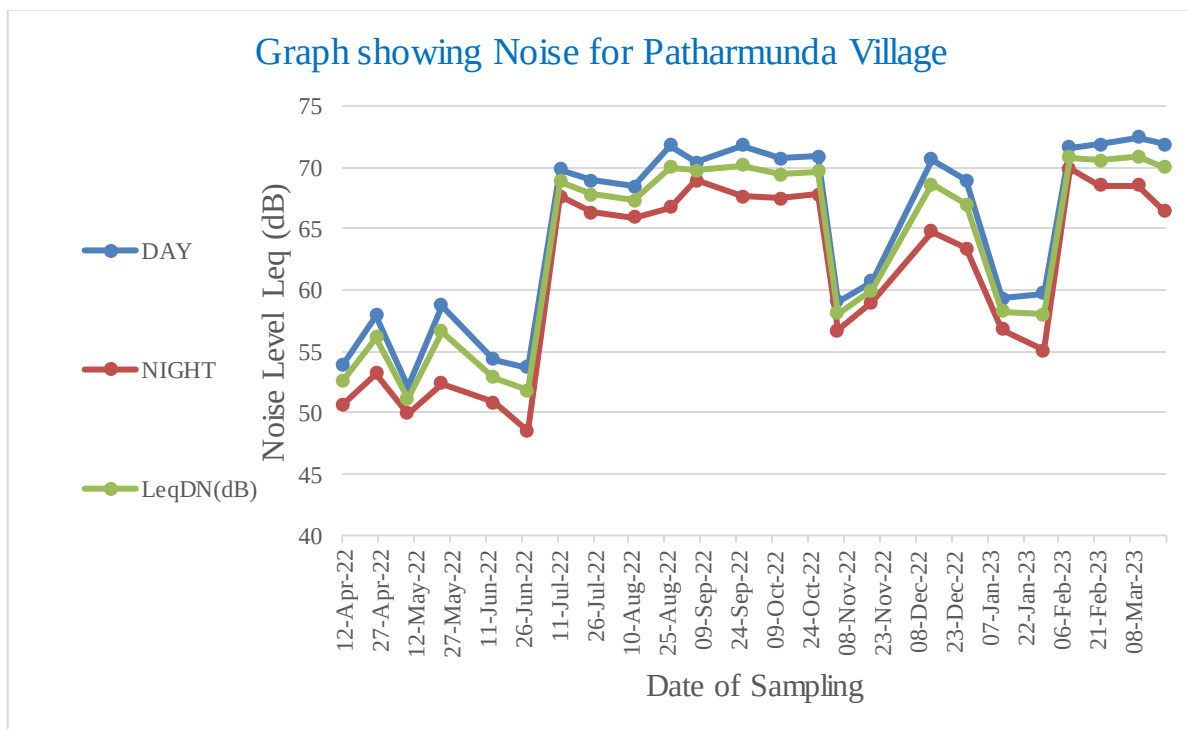
Table:656

Area: Kaniha

Project: Kaniha OCP

Monitoring Station: Patharmunda Village

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
12-Apr-22	53.9	50.7	52.6
26-Apr-22	57.9	53.2	56.2
09-May-22	52.1	49.9	51.1
23-May-22	58.7	52.4	56.6
14-Jun-22	54.3	50.8	52.9
28-Jun-22	53.7	48.5	51.8
12-Jul-22	69.8	67.6	68.8
25-Jul-22	68.9	66.3	67.8
12-Aug-22	68.4	65.9	67.3
27-Aug-22	71.8	66.7	70.0
07-Sep-22	70.4	68.9	69.7
26-Sep-22	71.8	67.6	70.2
12-Oct-22	70.7	67.5	69.4
28-Oct-22	70.9	67.8	69.6
05-Nov-22	59.1	56.7	58.1
19-Nov-22	60.7	59	59.9
14-Dec-22	70.6	64.8	68.6
29-Dec-22	68.9	63.4	67.0
13-Jan-23	59.3	56.8	58.2
30-Jan-23	59.7	55.1	58.0
10-Feb-23	71.6	69.9	70.8
23-Feb-23	71.9	68.5	70.5
11-Mar-23	72.4	68.5	70.9
22-Mar-23	71.9	66.4	70.0
MIN	52.1	48.5	50.7
MAX	72.4	69.9	71.3
MEAN	64.98	61.37	63.5



cmpdi
A Mini Ratna Company

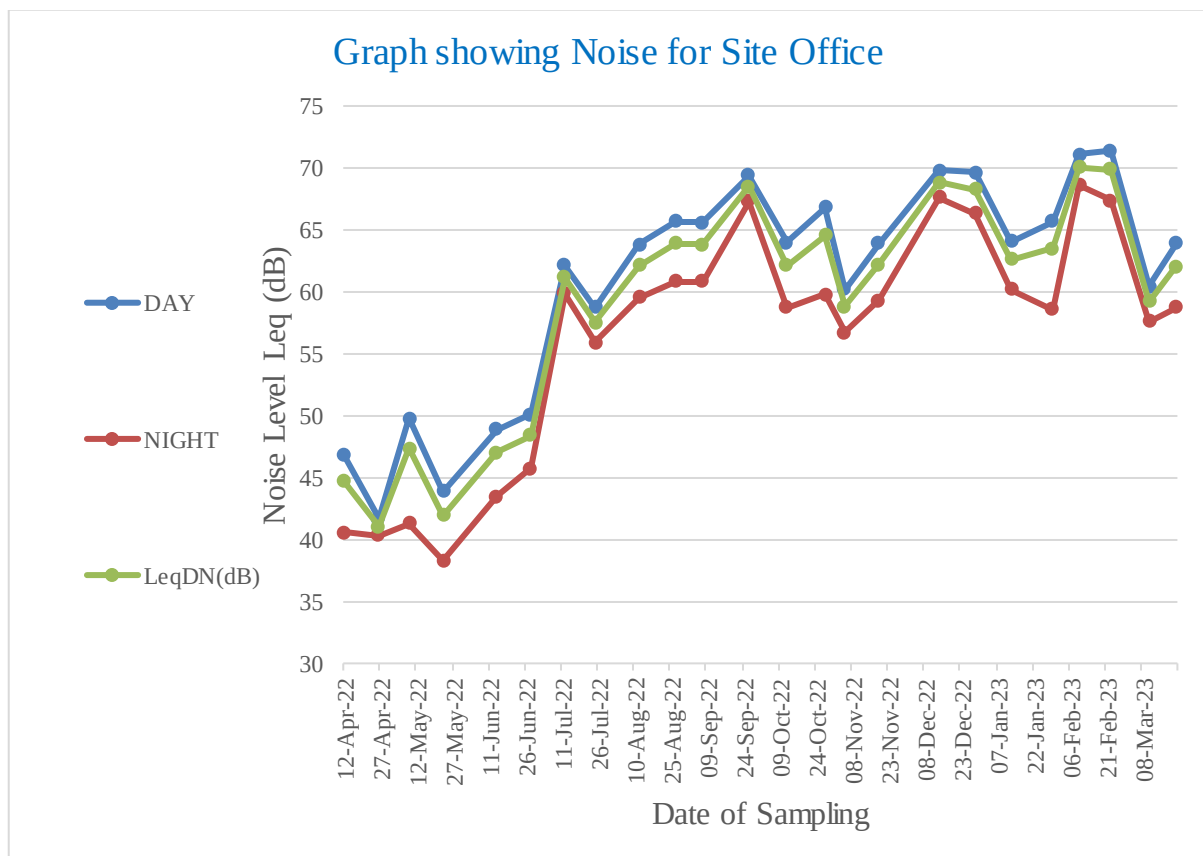
Table:657

Area: Kaniha

Project: Kaniha OCP

Monitoring Station: Site Office

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
12-Apr-22	46.8	40.6	44.7
26-Apr-22	41.7	40.3	41.1
09-May-22	49.8	41.3	47.4
23-May-22	43.9	38.3	41.9
14-Jun-22	48.9	43.5	47.0
28-Jun-22	50.1	45.7	48.4
12-Jul-22	62.1	59.9	61.1
25-Jul-22	58.7	55.9	57.5
12-Aug-22	63.8	59.5	62.2
27-Aug-22	65.7	60.8	63.9
07-Sep-22	65.6	60.8	63.8
26-Sep-22	69.4	67.3	68.5
12-Oct-22	64	58.7	62.1
28-Oct-22	66.8	59.8	64.6
05-Nov-22	60.2	56.7	58.8
19-Nov-22	63.9	59.3	62.2
14-Dec-22	69.8	67.6	68.8
29-Dec-22	69.6	66.3	68.3
13-Jan-23	64.1	60.2	62.6
30-Jan-23	65.7	58.6	63.5
10-Feb-23	71.1	68.6	70.0
23-Feb-23	71.4	67.4	69.8
11-Mar-23	60.4	57.6	59.2
22-Mar-23	63.9	58.7	62.0
MIN	41.7	38.3	40.3
MAX	71.4	68.6	70.2
MEAN	60.73	56.39	59.1



cmpai
A Mini Ratna Company

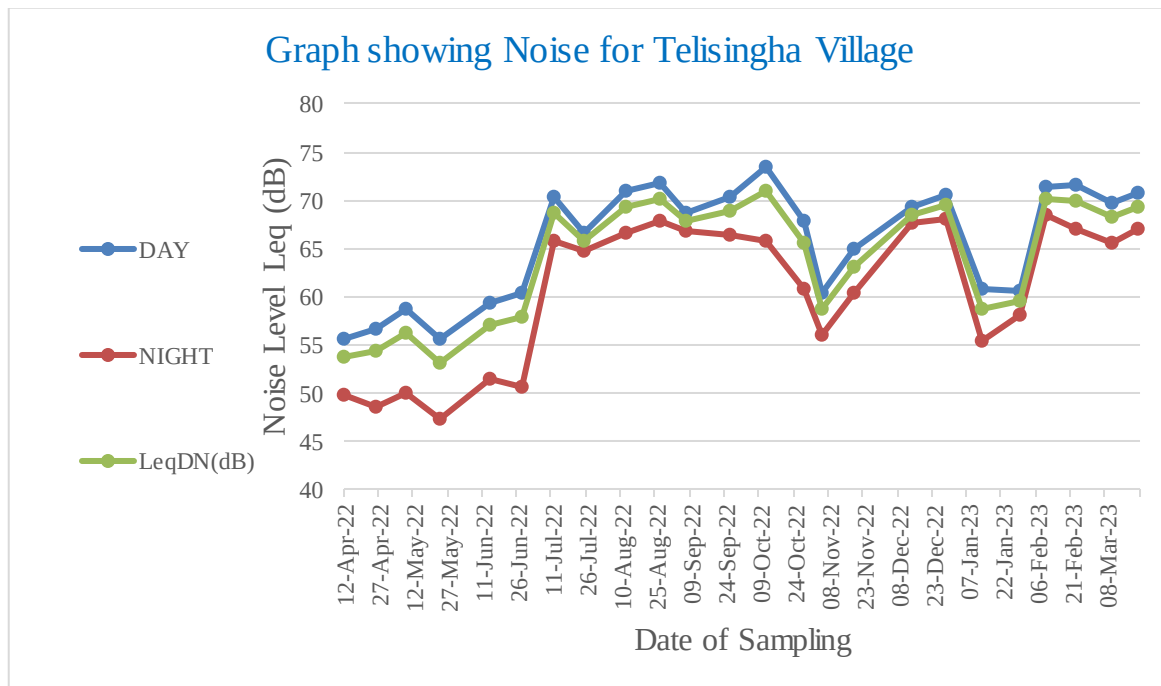
Table:658

Area: Kaniha

Project: Kaniha OCP

Monitoring Station: Telisingha Village

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
12-Apr-22	55.7	49.8	53.7
26-Apr-22	56.7	48.6	54.3
09-May-22	58.7	50.1	56.3
23-May-22	55.6	47.4	53.2
14-Jun-22	59.4	51.5	57.0
28-Jun-22	60.4	50.7	57.8
12-Jul-22	70.4	65.8	68.7
25-Jul-22	66.7	64.8	65.9
12-Aug-22	70.9	66.7	69.3
27-Aug-22	71.7	67.9	70.2
07-Sep-22	68.7	66.9	67.9
26-Sep-22	70.4	66.5	68.9
12-Oct-22	73.4	65.7	71.1
28-Oct-22	67.8	60.9	65.6
05-Nov-22	60.4	56	58.7
19-Nov-22	64.9	60.3	63.2
14-Dec-22	69.3	67.6	68.5
29-Dec-22	70.6	68	69.5
13-Jan-23	60.7	55.4	58.8
30-Jan-23	60.5	58.1	59.5
10-Feb-23	71.4	68.4	70.2
23-Feb-23	71.5	67.1	69.8
11-Mar-23	69.8	65.6	68.2
22-Mar-23	70.8	67.1	69.3
MIN	55.6	47.4	53.2
MAX	73.4	68.4	71.6
MEAN	65.68	60.70	63.9



cmpdi

A Mini Ratna Company

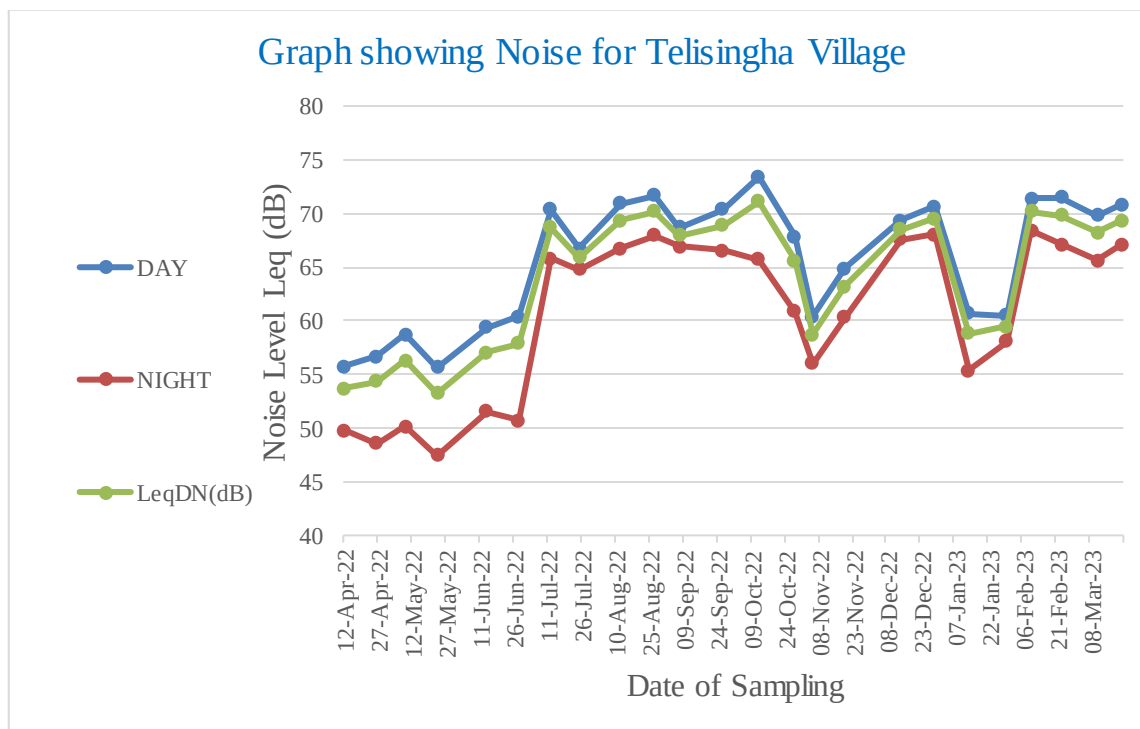
Table:659

Area: Kaniha

Project: Kaniha OCP

Monitoring Station: Telisingha Village

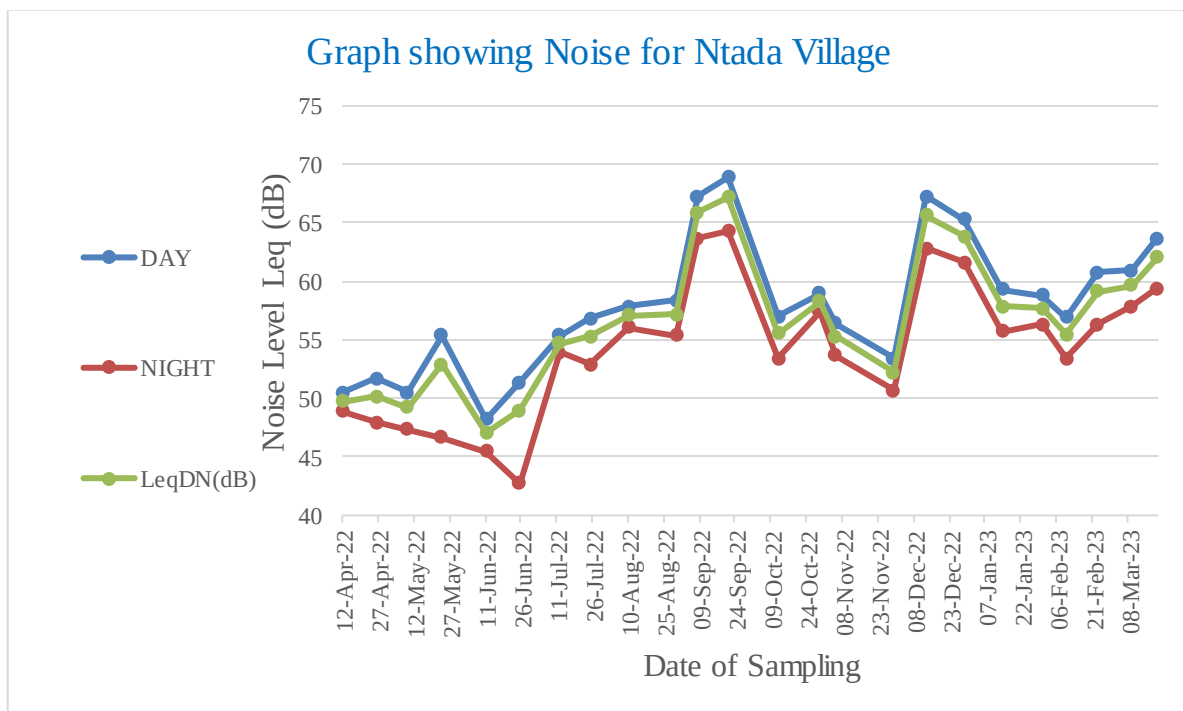
DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
12-Apr-22	55.7	49.8	53.7
26-Apr-22	56.7	48.6	54.3
09-May-22	58.7	50.1	56.3
23-May-22	55.6	47.4	53.2
14-Jun-22	59.4	51.5	57.0
28-Jun-22	60.4	50.7	57.8
12-Jul-22	70.4	65.8	68.7
25-Jul-22	66.7	64.8	65.9
12-Aug-22	70.9	66.7	69.3
27-Aug-22	71.7	67.9	70.2
07-Sep-22	68.7	66.9	67.9
26-Sep-22	70.4	66.5	68.9
12-Oct-22	73.4	65.7	71.1
28-Oct-22	67.8	60.9	65.6
05-Nov-22	60.4	56	58.7
19-Nov-22	64.9	60.3	63.2
14-Dec-22	69.3	67.6	68.5
29-Dec-22	70.6	68	69.5
13-Jan-23	60.7	55.4	58.8
30-Jan-23	60.5	58.1	59.5
10-Feb-23	71.4	68.4	70.2
23-Feb-23	71.5	67.1	69.8
11-Mar-23	69.8	65.6	68.2
22-Mar-23	70.8	67.1	69.3
MIN	55.6	47.4	53.2
MAX	73.4	68.4	71.6
MEAN	65.68	60.70	63.9



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Table:660
Area: Hingula
Project: Balaram OCP
Monitoring Station: Natada Village

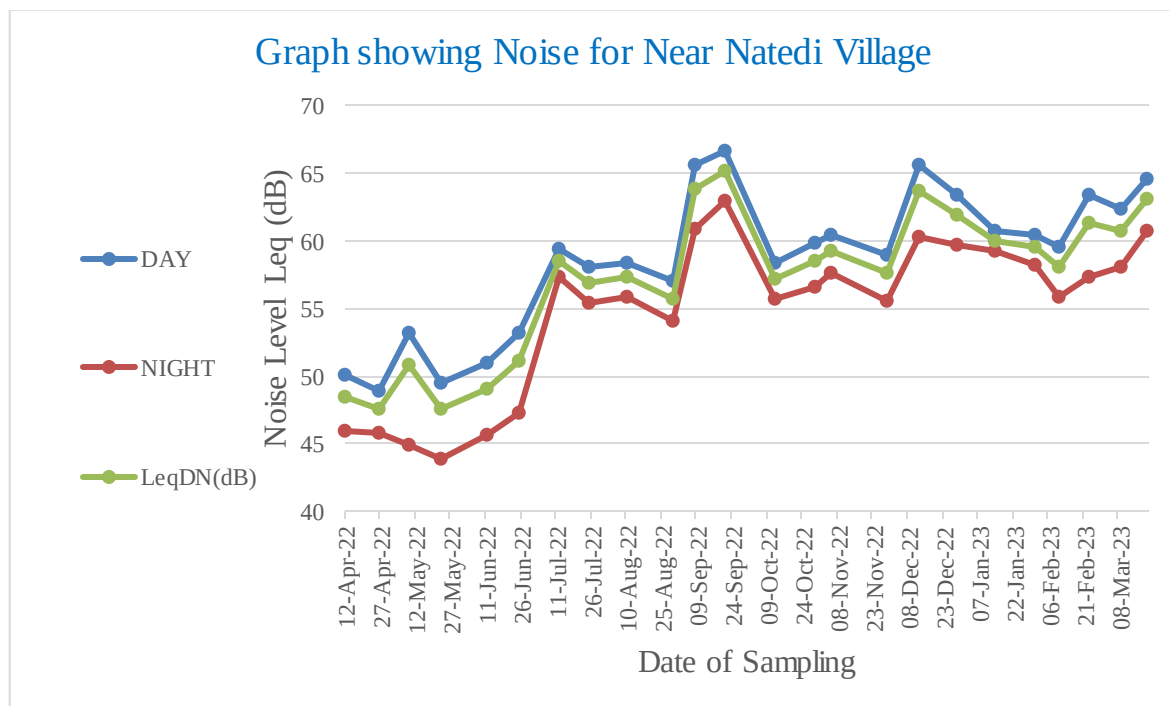
DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
12-Apr-22	50.5	48.9	49.8
26-Apr-22	51.7	47.9	50.2
09-May-22	50.5	47.3	49.2
23-May-22	55.4	46.7	52.9
11-Jun-22	48.2	45.5	47.1
25-Jun-22	51.4	42.7	48.9
12-Jul-22	55.4	53.9	54.7
25-Jul-22	56.8	52.9	55.3
10-Aug-22	57.9	56.1	57.1
30-Aug-22	58.4	55.4	57.2
08-Sep-22	67.3	63.7	65.9
21-Sep-22	68.9	64.3	67.2
12-Oct-22	57	53.4	55.6
29-Oct-22	59	57.4	58.3
05-Nov-22	56.4	53.7	55.3
29-Nov-22	53.4	50.7	52.3
13-Dec-22	67.3	62.8	65.6
29-Dec-22	65.3	61.6	63.8
14-Jan-23	59.3	55.7	57.9
31-Jan-23	58.8	56.3	57.7
10-Feb-23	56.9	53.4	55.5
23-Feb-23	60.8	56.3	59.1
09-Mar-23	60.9	57.9	59.7
20-Mar-23	63.7	59.4	62.1
MIN	48.2	42.7	46.3
MAX	68.9	64.3	67.2
MEAN	57.97	54.33	56.5



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Table:661
Area: Hingula
Project: Balaram OCP
Monitoring Station: Near Natedi Village

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
12-Apr-22	50.1	45.9	48.5
26-Apr-22	48.9	45.8	47.6
09-May-22	53.2	44.9	50.8
23-May-22	49.5	43.9	47.5
11-Jun-22	51	45.6	49.1
25-Jun-22	53.2	47.3	51.2
12-Jul-22	59.4	57.3	58.5
25-Jul-22	58.1	55.4	57.0
10-Aug-22	58.4	55.9	57.3
30-Aug-22	57	54.1	55.8
08-Sep-22	65.6	60.9	63.9
21-Sep-22	66.7	63	65.2
12-Oct-22	58.4	55.7	57.3
29-Oct-22	59.9	56.6	58.6
05-Nov-22	60.4	57.6	59.2
29-Nov-22	59	55.6	57.6
13-Dec-22	65.6	60.3	63.7
29-Dec-22	63.4	59.7	61.9
14-Jan-23	60.7	59.3	60.1
31-Jan-23	60.5	58.2	59.5
10-Feb-23	59.6	55.8	58.1
23-Feb-23	63.4	57.4	61.4
09-Mar-23	62.4	58.1	60.8
20-Mar-23	64.6	60.8	63.1
MIN	48.9	43.9	47.1
MAX	66.7	63.0	65.2
MEAN	58.71	54.80	57.2

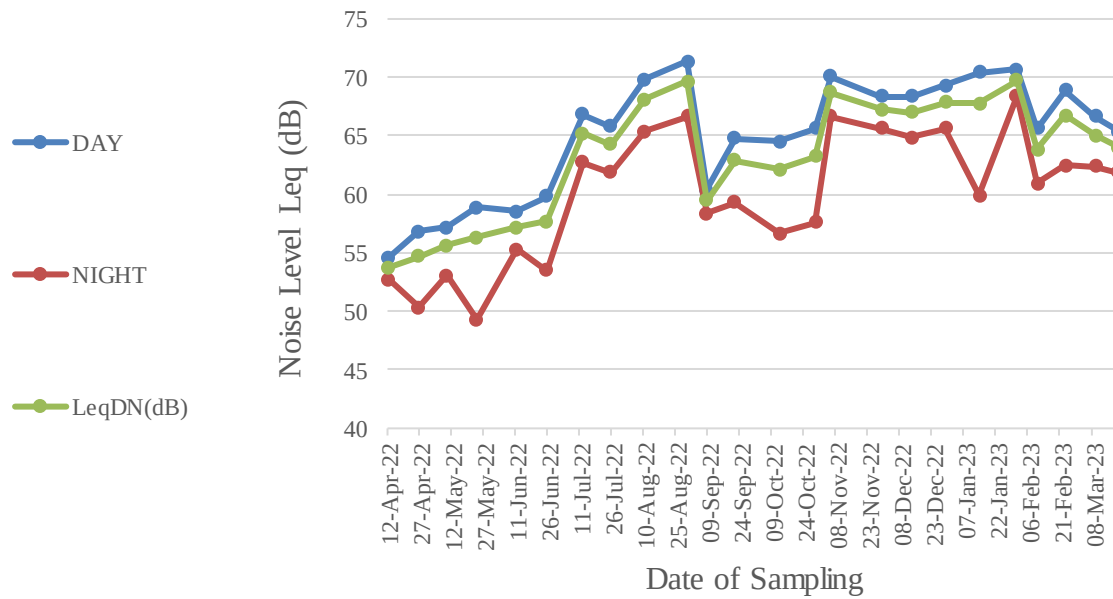


cmpdi
A Mini Ratna Company

Table:662
Area: Hingula
Project: Balaram OCP
Monitoring Station: Near Project Office Balram OCP

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
12-Apr-22	54.6	52.7	53.8
26-Apr-22	56.8	50.3	54.7
09-May-22	57.2	53.1	55.6
23-May-22	58.9	49.3	56.3
11-Jun-22	58.5	55.3	57.2
25-Jun-22	59.8	53.5	57.7
12-Jul-22	66.8	62.7	65.2
25-Jul-22	65.8	61.9	64.3
10-Aug-22	69.8	65.4	68.1
30-Aug-22	71.4	66.7	69.7
08-Sep-22	60.4	58.4	59.5
21-Sep-22	64.8	59.3	62.9
12-Oct-22	64.5	56.7	62.2
29-Oct-22	65.6	57.6	63.2
05-Nov-22	70.1	66.7	68.7
29-Nov-22	68.4	65.6	67.2
13-Dec-22	68.4	64.9	67.0
29-Dec-22	69.3	65.6	67.8
14-Jan-23	70.4	59.9	67.8
31-Jan-23	70.7	68.4	69.7
10-Feb-23	65.6	60.9	63.9
23-Feb-23	68.9	62.5	66.8
09-Mar-23	66.7	62.4	65.1
20-Mar-23	65.4	61.9	64.0
MIN	54.6	49.3	52.7
MAX	71.4	68.4	70.2
MEAN	64.95	60.07	63.2

Graph showing Noise for Near Project Office Balram OCP

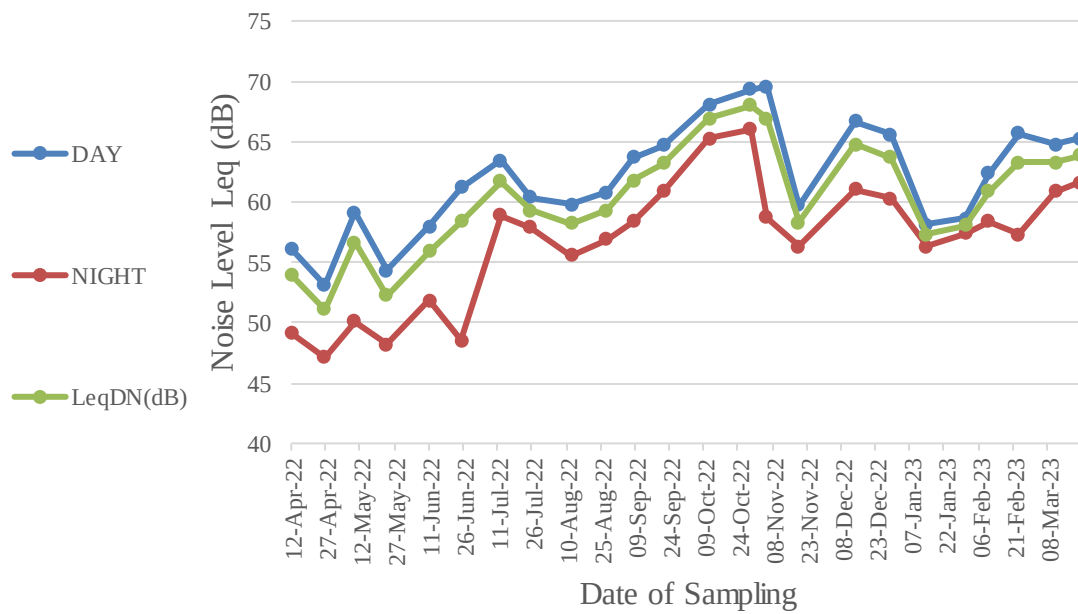


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Table:663
Area: Hingula
Project: Balaram OCP
Monitoring Station: North West of the Mine, Solada Village (Reported only)

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
12-Apr-22	56.1	49.1	53.9
26-Apr-22	53.1	47.1	51.1
09-May-22	59.1	50.1	56.6
23-May-22	54.3	48.2	52.2
11-Jun-22	58	51.8	55.9
25-Jun-22	61.2	48.5	58.4
12-Jul-22	63.4	58.9	61.7
25-Jul-22	60.4	57.9	59.3
12-Aug-22	59.8	55.6	58.2
27-Aug-22	60.8	56.9	59.3
08-Sep-22	63.7	58.4	61.8
21-Sep-22	64.7	60.9	63.2
11-Oct-22	68.1	65.3	66.9
29-Oct-22	69.3	66	68.0
05-Nov-22	69.6	58.7	66.9
19-Nov-22	59.7	56.3	58.3
14-Dec-22	66.7	61	64.7
29-Dec-22	65.6	60.3	63.7
14-Jan-23	58.1	56.3	57.3
31-Jan-23	58.6	57.4	58.0
10-Feb-23	62.4	58.4	60.8
23-Feb-23	65.7	57.3	63.3
11-Mar-23	64.8	60.9	63.3
22-Mar-23	65.3	61.6	63.8
MIN	53.1	47.1	51.1
MAX	69.6	66.0	68.2
MEAN	62.02	56.79	60.1

Graph showing Noise for North West of the Mine, Solada Village (Reported only)



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Table:664

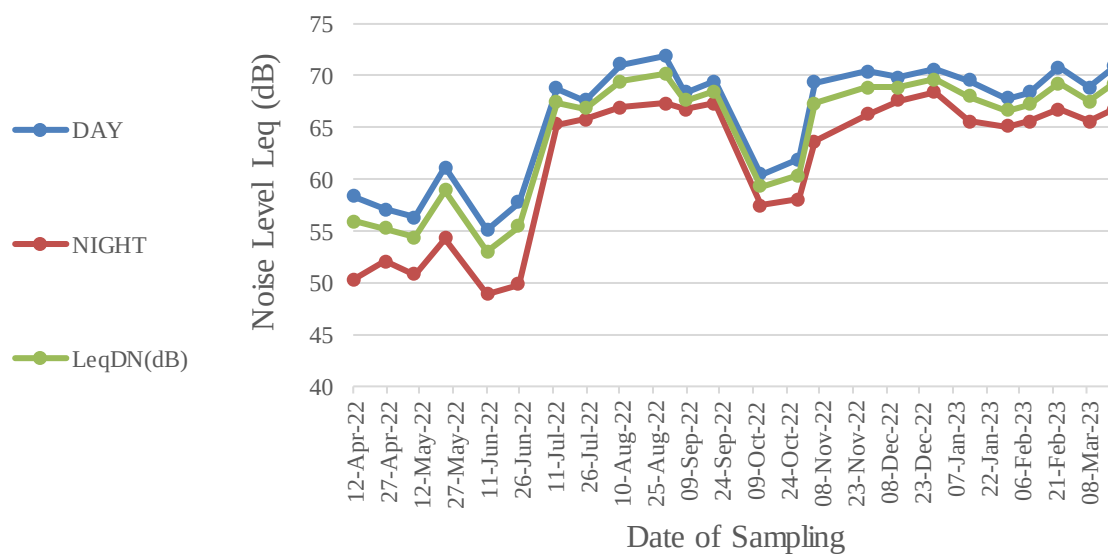
Area: Hingula

Project: Balaram OCP

Monitoring Station: Pump House Near Outsourcing Working Patch

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
12-Apr-22	58.3	50.3	55.9
26-Apr-22	57.1	52.1	55.3
09-May-22	56.3	50.8	54.4
23-May-22	61.1	54.3	58.9
11-Jun-22	55.1	48.9	53.0
25-Jun-22	57.8	49.8	55.4
12-Jul-22	68.8	65.3	67.4
25-Jul-22	67.6	65.8	66.8
10-Aug-22	71.1	66.9	69.5
30-Aug-22	71.9	67.3	70.2
08-Sep-22	68.4	66.7	67.6
21-Sep-22	69.4	67.3	68.5
12-Oct-22	60.5	57.5	59.3
29-Oct-22	61.9	58	60.4
05-Nov-22	69.3	63.6	67.3
29-Nov-22	70.4	66.3	68.8
13-Dec-22	69.8	67.6	68.8
29-Dec-22	70.6	68.4	69.6
14-Jan-23	69.5	65.6	68.0
31-Jan-23	67.8	65.1	66.7
10-Feb-23	68.4	65.6	67.2
23-Feb-23	70.8	66.7	69.2
09-Mar-23	68.9	65.6	67.6
20-Mar-23	70.9	66.7	69.3
MIN	55.1	48.9	53.0
MAX	71.9	68.4	70.5
MEAN	65.90	61.76	64.3
Noise Standard	75	70	

Graph showing Noise for Pump House Near Outsourcing Working Patch

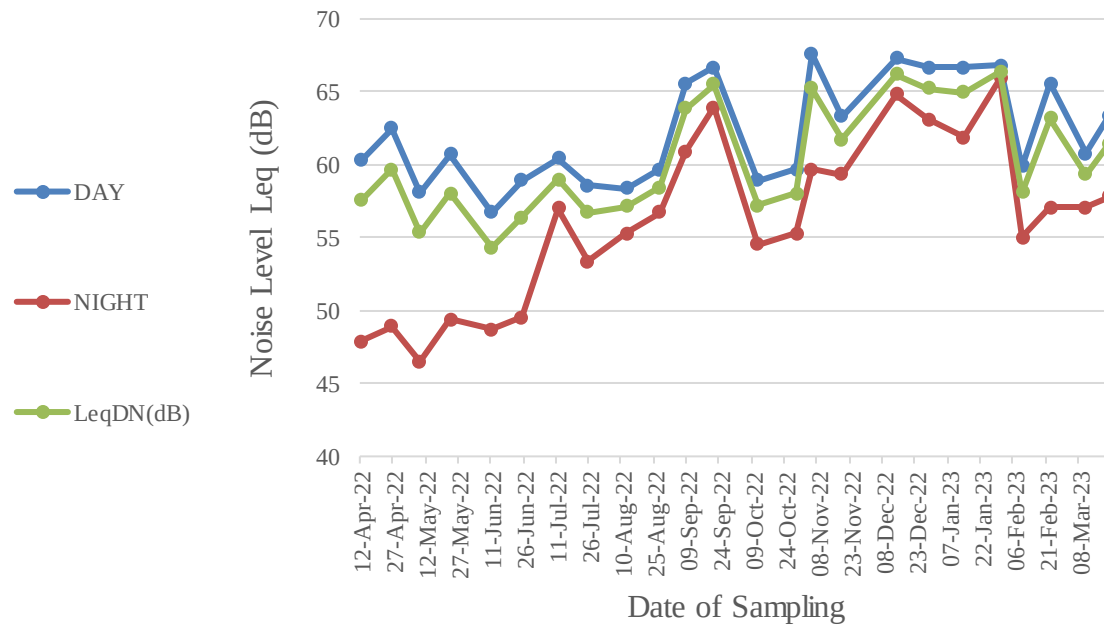


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Table:665
Area: Hingula
Project: Hingula OCP
Monitoring Station: Near Pirakhaman Village

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
12-Apr-22	60.3	47.9	57.5
26-Apr-22	62.5	48.9	59.7
09-May-22	58.1	46.5	55.4
23-May-22	60.7	49.4	58.0
11-Jun-22	56.7	48.7	54.3
25-Jun-22	58.9	49.5	56.4
12-Jul-22	60.4	57	59.0
25-Jul-22	58.6	53.4	56.7
12-Aug-22	58.4	55.3	57.1
27-Aug-22	59.7	56.7	58.5
08-Sep-22	65.6	60.9	63.9
21-Sep-22	66.7	63.9	65.5
11-Oct-22	58.9	54.5	57.2
29-Oct-22	59.7	55.3	58.0
05-Nov-22	67.6	59.7	65.2
19-Nov-22	63.3	59.3	61.7
14-Dec-22	67.3	64.8	66.2
29-Dec-22	66.7	63.1	65.3
14-Jan-23	66.7	61.9	64.9
31-Jan-23	66.8	65.9	66.4
10-Feb-23	59.9	55	58.1
23-Feb-23	65.6	57.1	63.2
11-Mar-23	60.8	57.1	59.3
22-Mar-23	63.4	57.8	61.4
MIN	56.7	46.5	54.1
MAX	67.6	65.9	66.8
MEAN	62.22	56.23	60.2

Graph showing Noise for Near Pirakhman Village

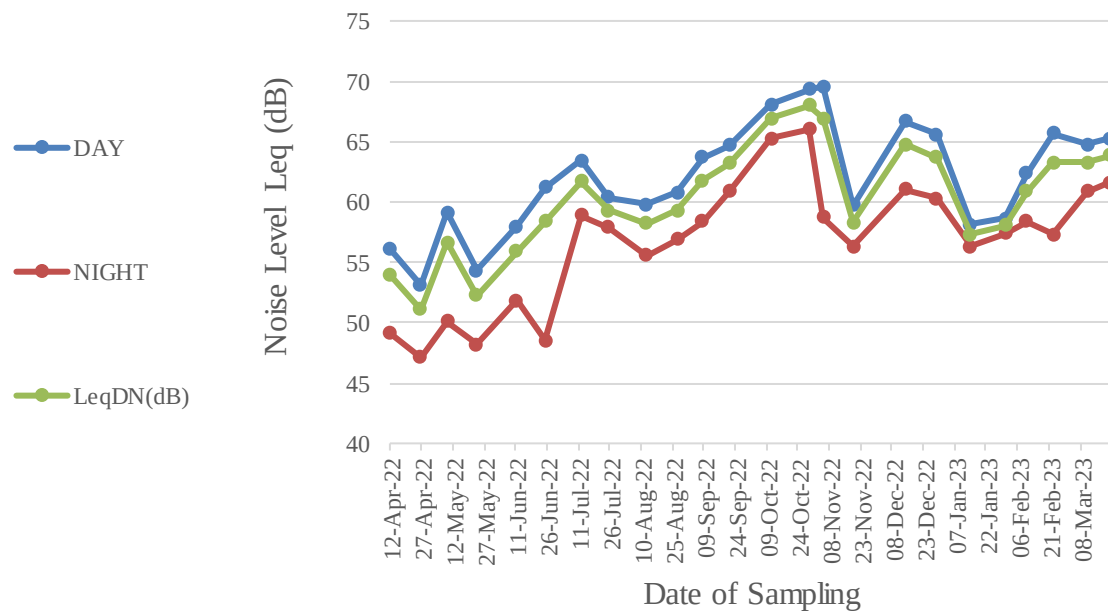


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Table:666
Area: Hingula
Project: Hingula OCP
Monitoring Station: North East of the Mine, Solda Village

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
12-Apr-22	56.1	49.1	53.9
26-Apr-22	53.1	47.1	51.1
09-May-22	59.1	50.1	56.6
23-May-22	54.3	48.2	52.2
11-Jun-22	58	51.8	55.9
25-Jun-22	61.2	48.5	58.4
12-Jul-22	63.4	58.9	61.7
25-Jul-22	60.4	57.9	59.3
12-Aug-22	59.8	55.6	58.2
27-Aug-22	60.8	56.9	59.3
08-Sep-22	63.7	58.4	61.8
21-Sep-22	64.7	60.9	63.2
11-Oct-22	68.1	65.3	66.9
29-Oct-22	69.3	66	68.0
05-Nov-22	69.6	58.7	66.9
19-Nov-22	59.7	56.3	58.3
14-Dec-22	66.7	61	64.7
29-Dec-22	65.6	60.3	63.7
14-Jan-23	58.1	56.3	57.3
31-Jan-23	58.6	57.4	58.0
10-Feb-23	62.4	58.4	60.8
23-Feb-23	65.7	57.3	63.3
11-Mar-23	64.8	60.9	63.3
22-Mar-23	65.3	61.6	63.8
MIN	53.1	47.1	51.1
MAX	69.6	66.0	68.2
MEAN	62.02	56.79	60.1

Graph showing Noise for North East of the Mine, Solda Village

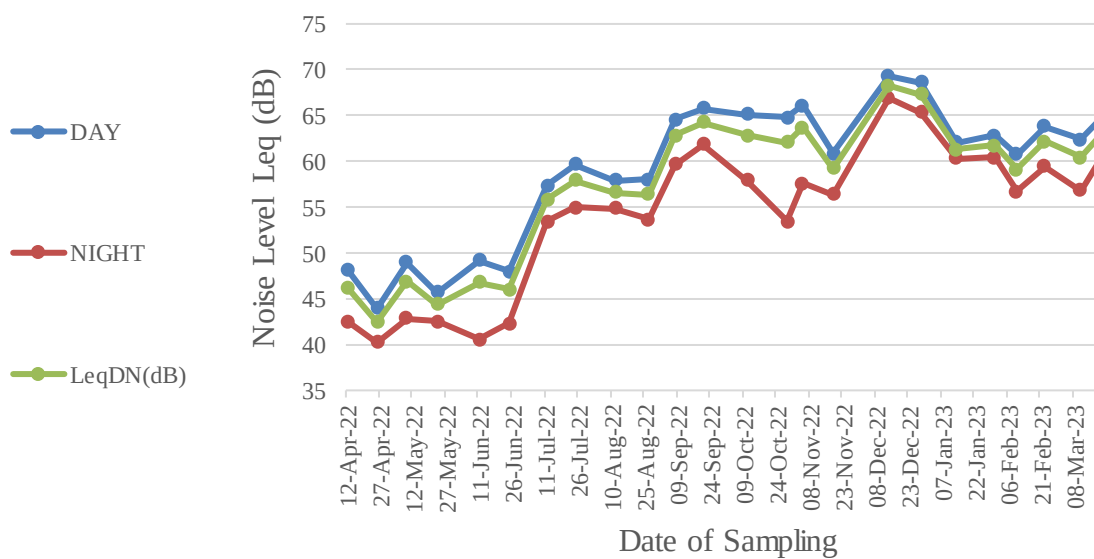


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A Mini Ratna Company

Table:667
Area: Hingula
Project: Hingula OCP
Monitoring Station: North of the Mine, Purnapi Kumunda Village

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
12-Apr-22	48.2	42.5	46.2
26-Apr-22	43.9	40.2	42.4
09-May-22	49	42.8	46.9
23-May-22	45.7	42.5	44.4
11-Jun-22	49.2	40.5	46.7
25-Jun-22	48	42.3	46.0
12-Jul-22	57.4	53.4	55.8
25-Jul-22	59.7	55	58.0
12-Aug-22	57.9	54.8	56.6
27-Aug-22	58	53.7	56.4
08-Sep-22	64.6	59.7	62.8
21-Sep-22	65.8	61.8	64.2
11-Oct-22	65.1	57.9	62.8
29-Oct-22	64.8	53.4	62.1
05-Nov-22	66.1	57.6	63.7
19-Nov-22	60.9	56.4	59.2
14-Dec-22	69.3	66.9	68.3
29-Dec-22	68.6	65.3	67.3
14-Jan-23	62.1	60.3	61.3
31-Jan-23	62.8	60.4	61.8
10-Feb-23	60.7	56.7	59.1
23-Feb-23	63.8	59.4	62.1
11-Mar-23	62.4	56.8	60.4
22-Mar-23	65	60.9	63.4
MIN	43.9	40.2	42.4
MAX	69.3	66.9	68.3
MEAN	59.13	54.22	57.3

Graph showing Noise for North of the Mine, Purnapi
Kumunda Village

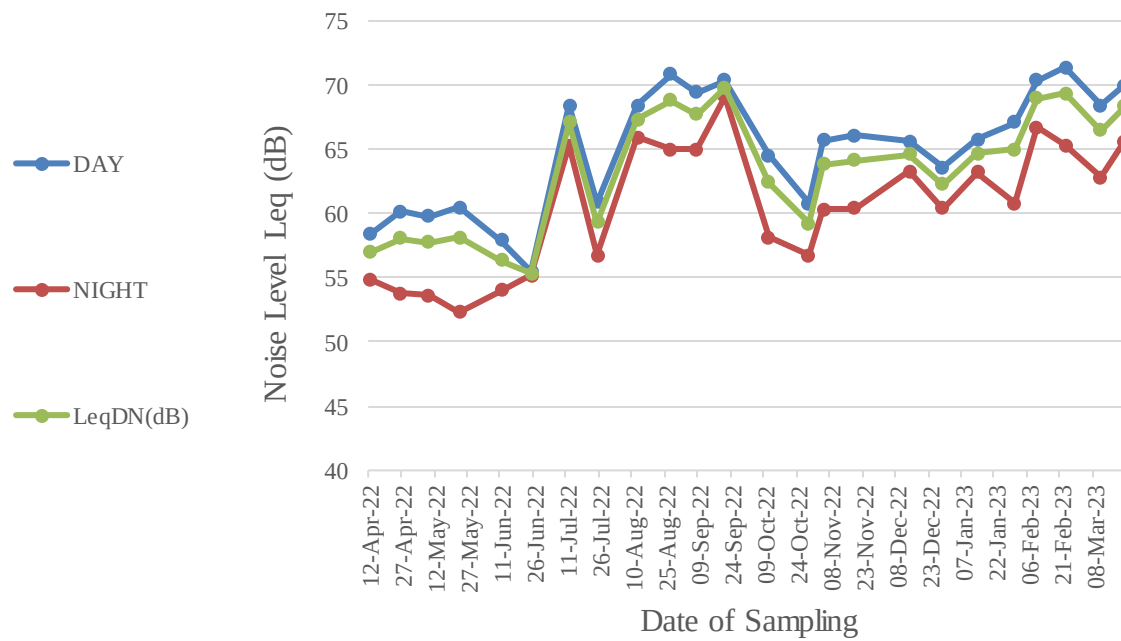


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Table:668
Area: Hingula
Project: Hingula OCP
Monitoring Station: Time Office

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
12-Apr-22	58.4	54.9	57.0
26-Apr-22	60.2	53.8	58.1
09-May-22	59.8	53.6	57.7
23-May-22	60.5	52.3	58.1
11-Jun-22	57.9	54	56.4
25-Jun-22	55.5	55.2	55.4
12-Jul-22	68.4	65.3	67.1
25-Jul-22	60.9	56.7	59.3
12-Aug-22	68.4	65.9	67.3
27-Aug-22	70.8	65	68.8
08-Sep-22	69.4	65	67.7
21-Sep-22	70.4	69.1	69.8
11-Oct-22	64.5	58.1	62.4
29-Oct-22	60.8	56.7	59.2
05-Nov-22	65.7	60.3	63.8
19-Nov-22	66.1	60.4	64.1
14-Dec-22	65.6	63.3	64.6
29-Dec-22	63.6	60.4	62.3
14-Jan-23	65.8	63.2	64.7
31-Jan-23	67.1	60.8	65.0
10-Feb-23	70.4	66.7	68.9
23-Feb-23	71.4	65.3	69.3
11-Mar-23	68.4	62.8	66.4
22-Mar-23	70	65.6	68.3
MIN	55.5	52.3	54.2
MAX	71.4	69.1	70.4
MEAN	65.00	60.60	63.3

Graph showing Noise for Time Office

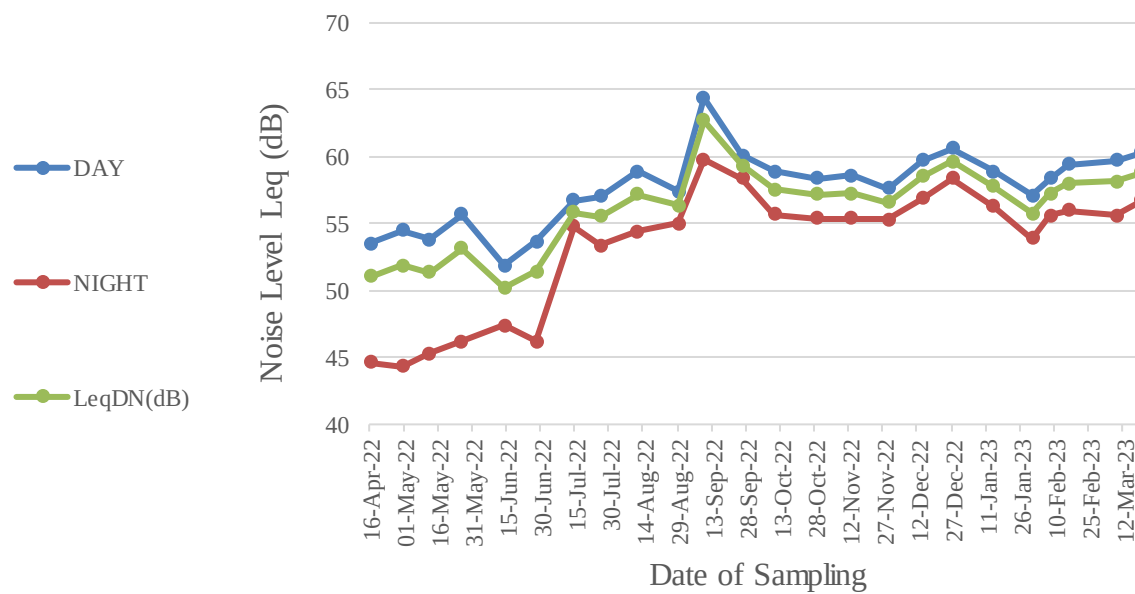


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Table:669
Area: Talcher
Project: Talcher Colliery
Monitoring Station: Near Canteen, Talcher Colliery

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
16-Apr-22	53.5	44.6	51.0
30-Apr-22	54.5	44.3	51.9
12-May-22	53.8	45.3	51.4
26-May-22	55.7	46.2	53.2
14-Jun-22	51.9	47.4	50.2
28-Jun-22	53.7	46.2	51.4
14-Jul-22	56.7	54.8	55.9
26-Jul-22	57	53.4	55.6
11-Aug-22	58.9	54.4	57.2
29-Aug-22	57.4	55	56.4
09-Sep-22	64.4	59.8	62.7
26-Sep-22	60.1	58.4	59.3
10-Oct-22	58.9	55.7	57.6
29-Oct-22	58.4	55.4	57.2
13-Nov-22	58.6	55.4	57.3
29-Nov-22	57.6	55.3	56.6
14-Dec-22	59.7	56.9	58.5
27-Dec-22	60.6	58.4	59.6
14-Jan-23	58.9	56.3	57.8
31-Jan-23	57.1	53.9	55.8
08-Feb-23	58.4	55.6	57.2
16-Feb-23	59.4	56	58.0
09-Mar-23	59.7	55.6	58.1
20-Mar-23	60.3	56.7	58.9
MIN	51.9	44.3	54.3
MAX	64.4	59.8	71.4
MEAN	57.72	53.38	65.4

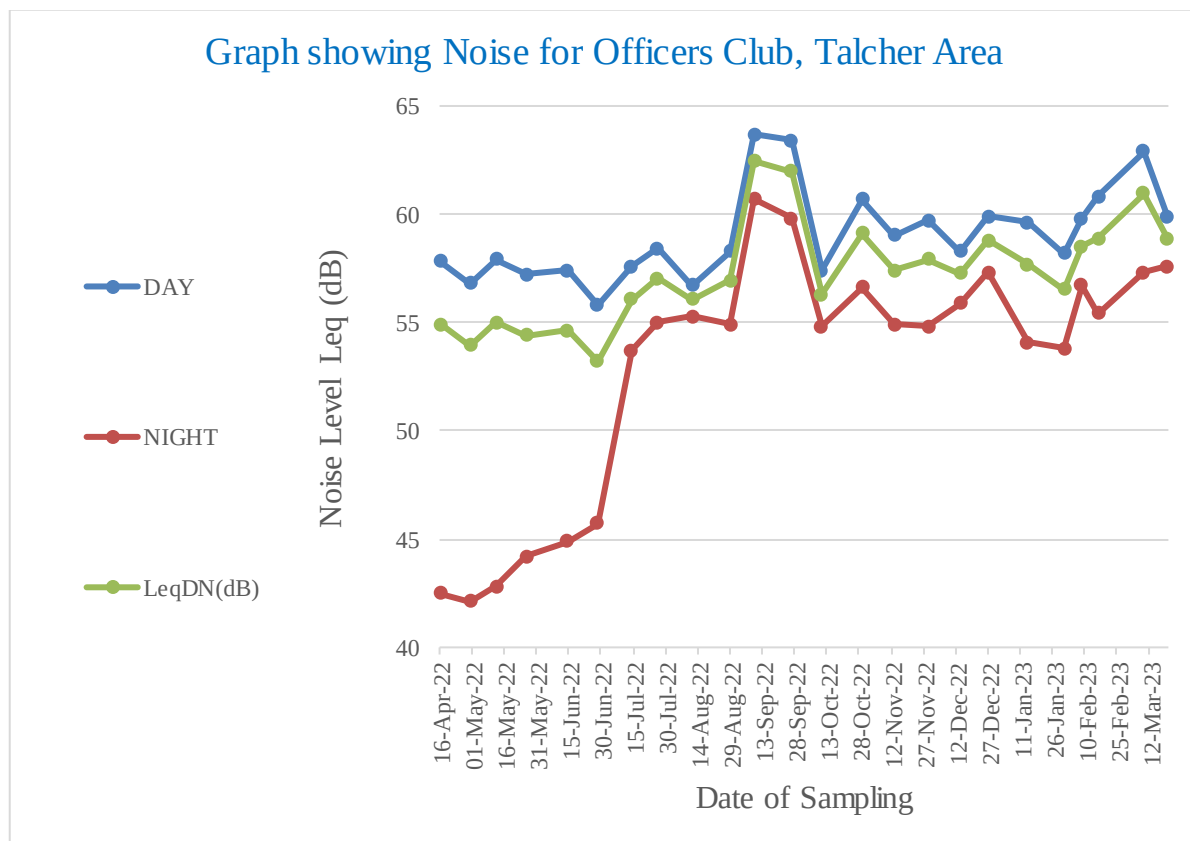
Graph showing Noise for Near Canteen, Talcher Colliery



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Table:670
Area: Talcher
Project: Talcher Colliery
Monitoring Station: Officers Club, Talcher Area

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
16-Apr-22	57.8	42.5	54.9
30-Apr-22	56.8	42.1	53.9
12-May-22	57.9	42.8	55.0
26-May-22	57.2	44.2	54.4
14-Jun-22	57.4	44.9	54.6
28-Jun-22	55.8	45.7	53.2
14-Jul-22	57.6	53.7	56.1
26-Jul-22	58.4	55	57.0
11-Aug-22	56.7	55.3	56.1
29-Aug-22	58.3	54.9	56.9
09-Sep-22	63.7	60.7	62.5
26-Sep-22	63.4	59.8	62.0
10-Oct-22	57.4	54.8	56.3
29-Oct-22	60.7	56.6	59.1
13-Nov-22	59	54.9	57.4
29-Nov-22	59.7	54.8	57.9
14-Dec-22	58.3	55.9	57.3
27-Dec-22	59.9	57.3	58.8
14-Jan-23	59.6	54.1	57.7
31-Jan-23	58.2	53.8	56.5
08-Feb-23	59.8	56.7	58.5
16-Feb-23	60.8	55.4	58.9
09-Mar-23	62.9	57.3	60.9
20-Mar-23	59.9	57.6	58.9
MIN	55.8	42.1	54.3
MAX	63.7	60.7	71.4
MEAN	59.05	52.95	65.4

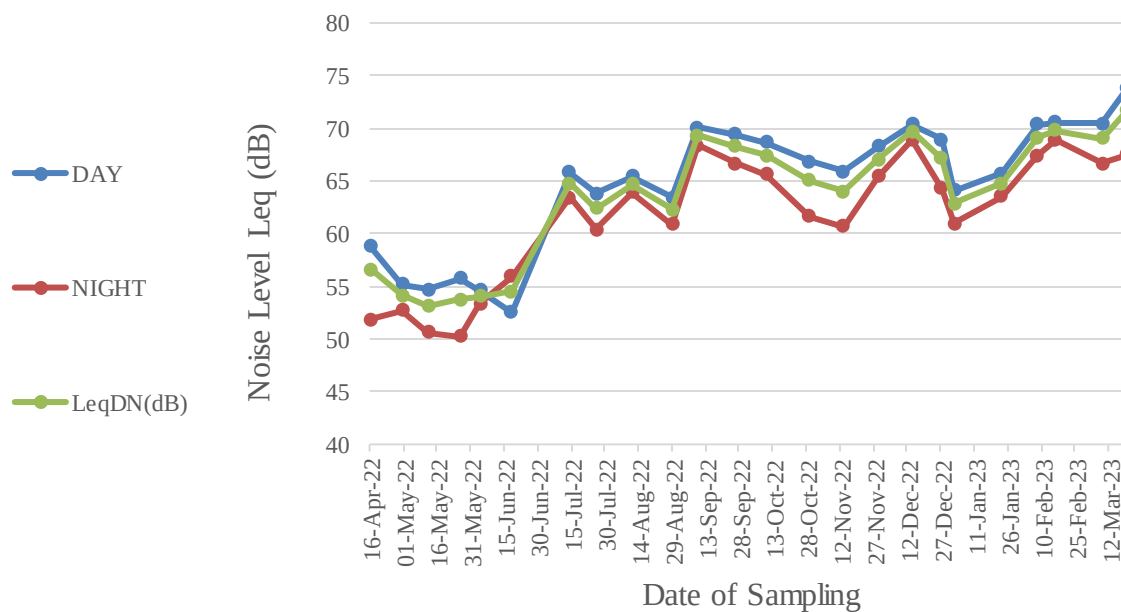


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Table:671
Area: Talcher
Project: Nandira Colliery
Monitoring Station: Sub Station, Nandira Colliery

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
16-Apr-22	58.8	51.9	56.6
30-Apr-22	55.2	52.7	54.1
12-May-22	54.7	50.6	53.1
26-May-22	55.7	50.2	53.8
04-Jun-22	54.6	53.4	54.0
18-Jun-22	52.5	55.9	54.5
14-Jul-22	65.8	63.4	64.8
26-Jul-22	63.8	60.4	62.4
11-Aug-22	65.4	63.9	64.7
29-Aug-22	63.4	60.9	62.3
09-Sep-22	70.1	68.4	69.3
26-Sep-22	69.4	66.7	68.3
10-Oct-22	68.7	65.6	67.4
29-Oct-22	66.9	61.6	65.0
13-Nov-22	65.9	60.7	64.0
29-Nov-22	68.3	65.4	67.1
14-Dec-22	70.4	68.9	69.7
27-Dec-22	68.9	64.3	67.2
02-Jan-23	64.1	61	62.8
23-Jan-23	65.7	63.5	64.7
08-Feb-23	70.4	67.4	69.2
16-Feb-23	70.6	68.9	69.8
09-Mar-23	70.5	66.7	69.0
20-Mar-23	73.8	67.5	71.7
MIN	52.5	50.2	51.5
MAX	73.8	68.9	72.0
MEAN	64.73	61.66	63.5

Graph showing Noise for Sub Station, Nandira Colliery



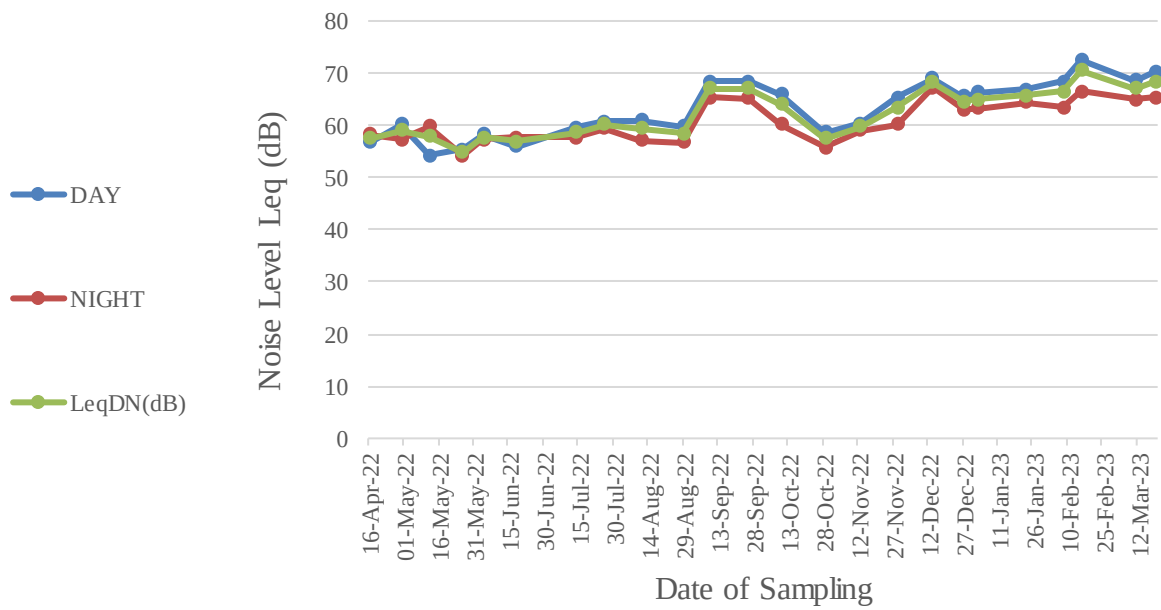
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Table:672

Area: Talcher**Project: Nandira Colliery****Monitoring Station: Project Office**

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
16-Apr-22	56.7	58.2	57.5
30-Apr-22	60.2	57.2	59.0
12-May-22	54.3	59.7	57.8
26-May-22	55.3	54.2	54.8
04-Jun-22	58.2	57.2	57.7
18-Jun-22	56	57.6	56.9
14-Jul-22	59.6	57.6	58.7
26-Jul-22	60.7	59.4	60.1
11-Aug-22	60.9	57.1	59.4
29-Aug-22	59.8	56.7	58.5
09-Sep-22	68.4	65.3	67.1
26-Sep-22	68.4	65.1	67.1
10-Oct-22	65.9	60.1	63.9
29-Oct-22	58.6	55.7	57.4
13-Nov-22	60.4	59.1	59.8
29-Nov-22	65.4	60.1	63.5
14-Dec-22	68.9	67.3	68.2
27-Dec-22	65.6	63.1	64.5
02-Jan-23	66.2	63.2	65.0
23-Jan-23	66.8	64.3	65.7
08-Feb-23	68.4	63.4	66.6
16-Feb-23	72.5	66.4	70.4
11-Mar-23	68.6	64.9	67.1
20-Mar-23	70.3	65.3	68.5
MIN	54.3	54.2	54.3
MAX	72.5	67.3	70.6
MEAN	63.17	60.76	62.1

Graph showing Noise for Project Office

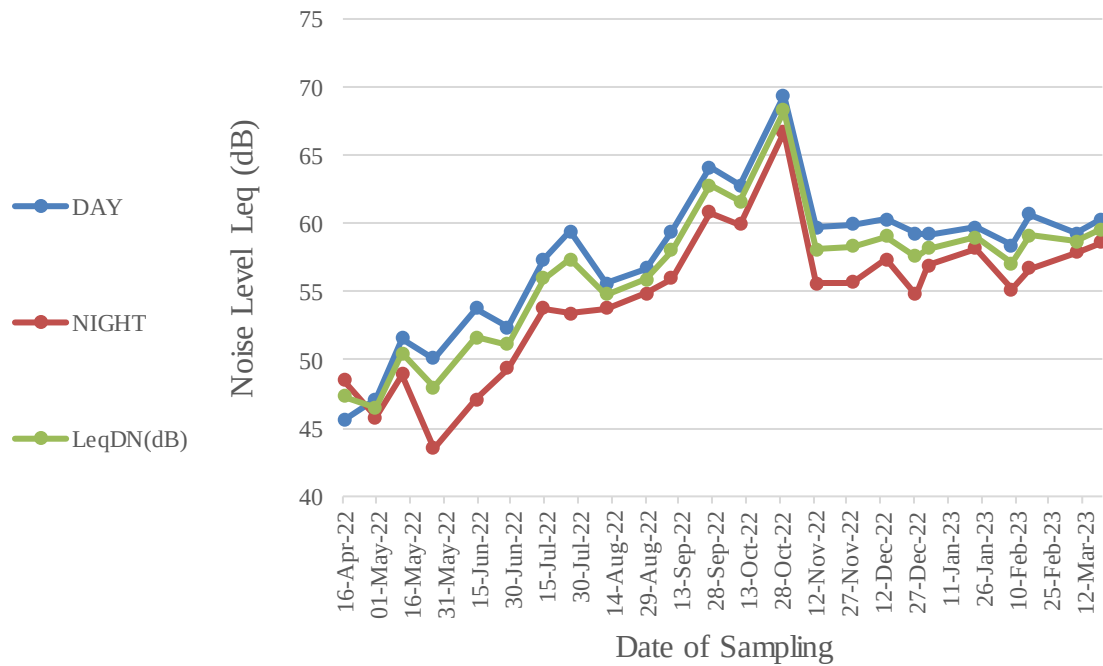


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Table:673
Area: Talcher
Project: Deulbera Colliery
Monitoring Station: Manager's Office

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
16-Apr-22	45.6	48.5	47.3
30-Apr-22	47.1	45.8	46.5
12-May-22	51.6	48.9	50.5
26-May-22	50.1	43.5	47.9
14-Jun-22	53.8	47.1	51.6
28-Jun-22	52.4	49.4	51.2
14-Jul-22	57.4	53.8	56.0
26-Jul-22	59.4	53.4	57.4
11-Aug-22	55.6	53.8	54.8
29-Aug-22	56.7	54.9	55.9
09-Sep-22	59.4	56	58.0
26-Sep-22	64.1	60.8	62.8
10-Oct-22	62.8	59.9	61.6
29-Oct-22	69.4	66.7	68.3
13-Nov-22	59.7	55.6	58.1
29-Nov-22	59.9	55.7	58.3
14-Dec-22	60.3	57.4	59.1
27-Dec-22	59.3	54.8	57.6
02-Jan-23	59.2	56.9	58.2
23-Jan-23	59.7	58.2	59.0
08-Feb-23	58.4	55.2	57.1
16-Feb-23	60.7	56.7	59.1
09-Mar-23	59.3	57.9	58.7
20-Mar-23	60.3	58.6	59.5
MIN	45.6	43.5	44.7
MAX	69.4	66.7	68.3
MEAN	57.59	54.56	56.3

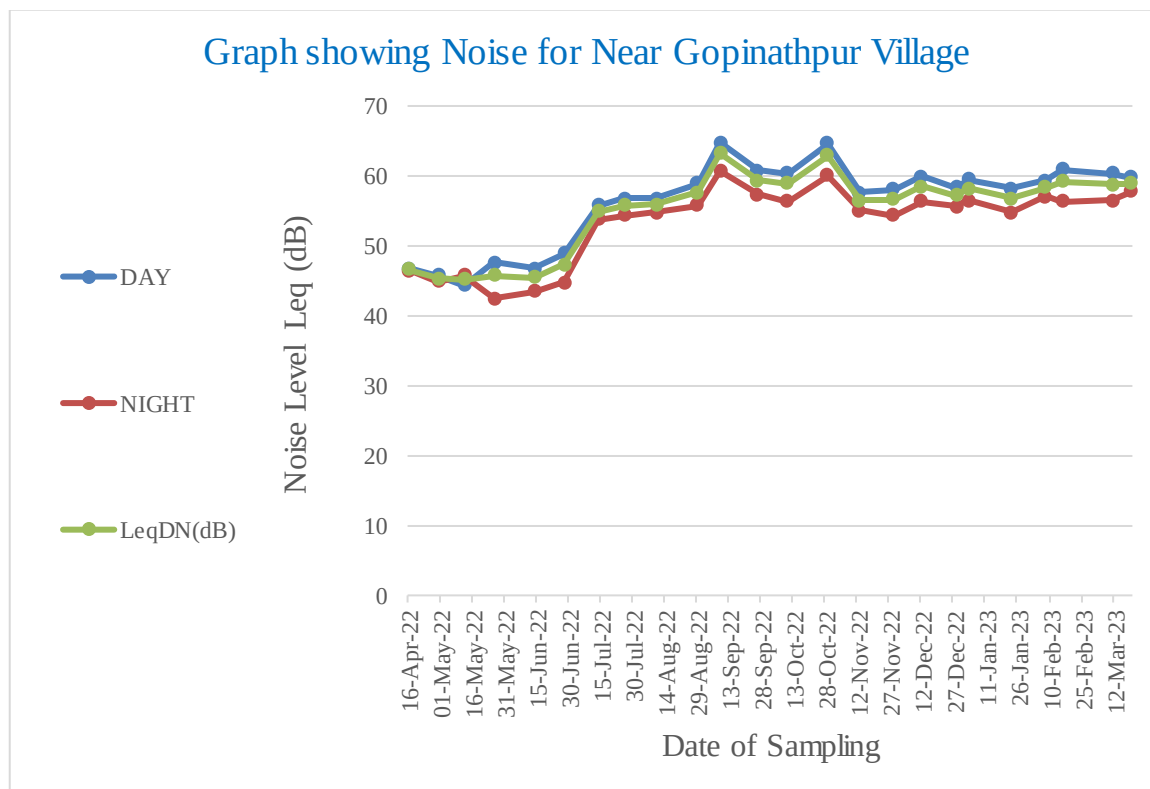
Graph showing Noise for Manager's Office



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Table:674
Area: Talcher
Project: Mandapal Sand Mine
Monitoring Station: Near Gopinathpur Village

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
16-Apr-22	46.8	46.4	46.6
30-Apr-22	45.7	44.9	45.3
12-May-22	44.3	45.8	45.1
26-May-22	47.6	42.5	45.8
14-Jun-22	46.8	43.5	45.5
28-Jun-22	48.9	44.7	47.3
14-Jul-22	55.7	53.8	54.9
26-Jul-22	56.8	54.4	55.8
10-Aug-22	56.8	54.7	55.9
29-Aug-22	58.9	55.7	57.6
09-Sep-22	64.8	60.7	63.2
26-Sep-22	60.8	57.3	59.4
10-Oct-22	60.4	56.4	58.8
29-Oct-22	64.7	60	63.0
13-Nov-22	57.6	55.1	56.5
29-Nov-22	58.1	54.3	56.6
12-Dec-22	59.9	56.3	58.5
28-Dec-22	58.3	55.6	57.2
03-Jan-23	59.5	56.5	58.3
23-Jan-23	58.2	54.8	56.8
08-Feb-23	59.4	57.1	58.4
16-Feb-23	60.9	56.4	59.2
11-Mar-23	60.3	56.5	58.8
20-Mar-23	59.8	57.7	58.9
MIN	44.3	42.5	43.5
MAX	64.8	60.7	63.2
MEAN	56.29	53.38	55.1



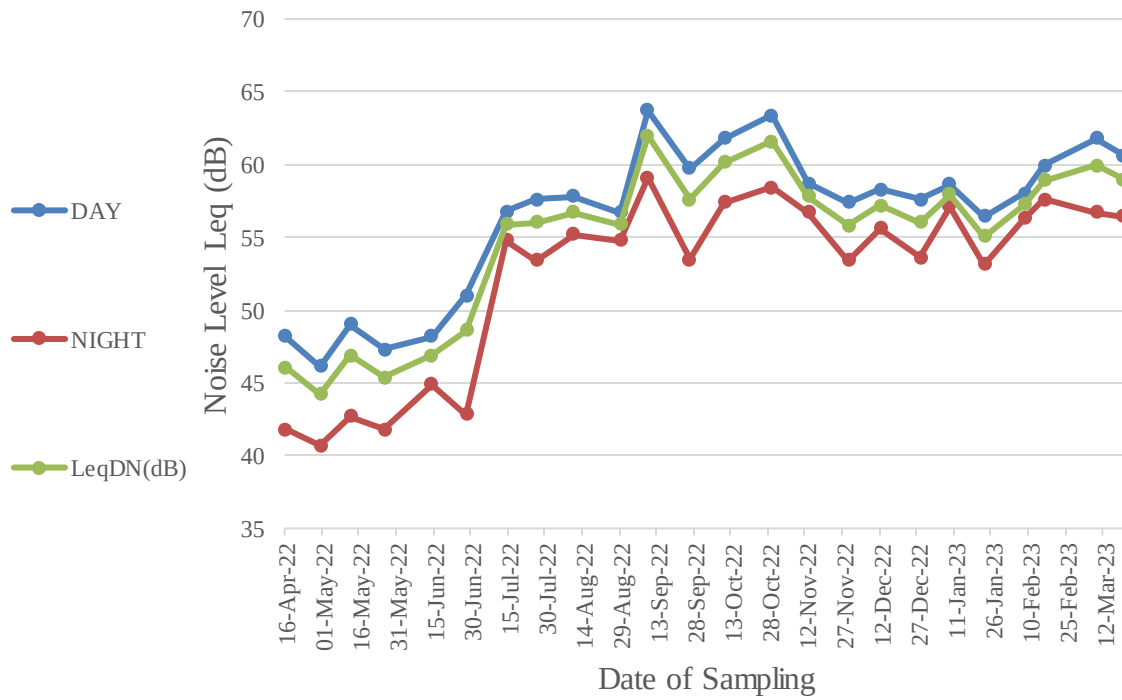
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Table:675

Area: Talcher**Project: Kakudi & Kishoripal Sand Mine****Monitoring Station:** Near Kishoripal Village

DATE OF SAMPLING	DAY	NIGHT	Leq(dB)
16-Apr-22	48.2	41.8	46.1
30-Apr-22	46.1	40.7	44.2
12-May-22	49	42.7	46.9
26-May-22	47.3	41.8	45.4
14-Jun-22	48.2	44.9	46.9
28-Jun-22	51	42.8	48.6
14-Jul-22	56.8	54.8	55.9
26-Jul-22	57.6	53.4	56.0
10-Aug-22	57.8	55.2	56.7
29-Aug-22	56.7	54.8	55.9
09-Sep-22	63.7	59.1	62.0
26-Sep-22	59.7	53.5	57.6
10-Oct-22	61.8	57.4	60.1
29-Oct-22	63.4	58.4	61.6
13-Nov-22	58.7	56.7	57.8
29-Nov-22	57.4	53.4	55.8
12-Dec-22	58.3	55.6	57.2
28-Dec-22	57.6	53.6	56.0
09-Jan-23	58.6	57.1	57.9
23-Jan-23	56.4	53.1	55.1
08-Feb-23	58	56.3	57.2
16-Feb-23	59.9	57.6	58.9
09-Mar-23	61.8	56.7	60.0
20-Mar-23	60.6	56.4	59.0
MIN	46.1	40.7	44.2
MAX	63.7	59.1	62.0
MEAN	56.44	52.41	54.9

Graph showing Noise for Near Kishoripal Village



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