

Annexure-V

Summary of Environmental Monitoring (Air, Noise, Surface Water & Ground Water) for the period October 2021 to March 2022

Project Name & Address : M/s Gara Pelma Sector-III Coal Block,
At Bajramuda, Tehsil- Tamnar, District- Raigarh,
Chhattisgarh.

Monitoring Period : October 2021 to March 2022

Testing Protocol/Method : As per CPCB/SPCB/MoEF&CC/IS-5182

Name of Monitoring Location : Village - Milupara

AMBIENT AIR QUALITY MONITORING RESULTS

Sampling Dates	PM 2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	Ni (ng/m^3)	As (ng/m^3)	Cd ($\mu\text{g}/\text{m}^3$)	Hg (ng/m^3)
October 2021	44.80	79.25	18.80	8.74	0.69	BDL	BDL	BDL	BDL
November 2021	43.95	74.51	21.38	10.66	0.71	BDL	BDL	BDL	BDL
December 2021	41.83	73.09	20.00	9.88	0.62	BDL	BDL	BDL	BDL
January 2022	45.69	83.41	22.59	11.25	0.77	BDL	BDL	BDL	BDL
February 2022	42.585	81.83	21.45	10.65	0.67	BDL	BDL	BDL	BDL
March 2022	46.48	84.28	23.10	8.65	0.72	BDL	BDL	BDL	BDL
Average	44.22	79.4	21.22	9.97	0.7	BDL	BDL	BDL	BDL
Maximum	46.48	84.28	23.1	11.25	0.77	BDL	BDL	BDL	BDL
Minimum	41.83	73.09	18.8	8.65	0.67	BDL	BDL	BDL	BDL
Standard	60	100	80	80	04	20	06	--	--

BDL- Below Detection Limit.

For GPIII CL



M Anand
Dy. Manager - Environment


ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMDC, CSPGCL
GHARGHODA

Project Name & Address : M/s Gara Pelma Sector-III Coal Block,
At Bajramuda, Tehsil- Tamnar, District- Raigarh,
Chhattisgarh.

Monitoring Period : October 2021 to March 2022

Testing Protocol/Method : As per CPCB/SPCB/MoEF&CC/IS-5182

Name of Monitoring Location : Village - Khamariya

AMBIENT AIR QUALITY MONITORING RESULTS

Sampling Dates	PM 2.5 (µg/m ³)	PM10 (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)	CO (mg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Cd (µg/m ³)	Hg (ng/m ³)
October 2021	42.76	73.79	20.98	9.73	0.70	BDL	BDL	BDL	BDL
November 2021	43.31	76.44	20.29	9.88	0.78	BDL	BDL	BDL	BDL
December 2021	42.83	76.72	22.30	11.16	0.67	BDL	BDL	BDL	BDL
January 2022	47.29	87.42	22.93	12.00	0.78	BDL	BDL	BDL	BDL
February 2022	42.42	83.20	21.26	10.735	0.73	BDL	BDL	BDL	BDL
March 2022	48.31	85.62	25.48	9.03	0.79	BDL	BDL	BDL	BDL
Average	44.49	80.53	22.21	10.42	0.74	BDL	BDL	BDL	BDL
Maximum	48.31	87.42	25.48	12	.79	BDL	BDL	BDL	BDL
Minimum	42.42	73.79	20.29	9.03	0.67	BDL	BDL	BDL	BDL
Standard	60	100	80	80	04	20	06	--	--

BDL- Below Detection Limit.

For GPIII CL



M Anand
Dy. Manager - Environment

ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMDC, CSPGCL
GHARGHODA

Project Name & Address : M/s Gara Pelma Sector-III Coal Block,
At Bajramuda, Tehsil- Tamnar, District- Raigarh,
Chhattisgarh.

Monitoring Period : October 2021 to March 2022

Testing Protocol/Method : As per CPCB/SPCB/MoEF&CC/IS-5182

Name of Monitoring Location : Village - Dholnara

AMBIENT AIR QUALITY MONITORING RESULTS

Sampling Dates	PM 2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	Ni (ng/m^3)	As (ng/m^3)	Cd ($\mu\text{g}/\text{m}^3$)	Hg (ng/m^3)
October 2021	42.94	73.90	19.68	8.61	0.70	BDL	BDL	BDL	BDL
November 2021	48.03	80.41	18.99	9.24	0.74	BDL	BDL	BDL	BDL
December 2021	44.23	75.33	22.49	11.46	0.67	BDL	BDL	BDL	BDL
January 2022	46.96	86.84	21.86	11.05	0.71	BDL	BDL	BDL	BDL
February 2022	45.1625	85.17	21.7875	10.97	0.76	BDL	BDL	BDL	BDL
March 2022	47.61	85.11	25.07	9.51	0.76	BDL	BDL	BDL	BDL
Average	45.82	81.13	21.65	10.14	0.72	BDL	BDL	BDL	BDL
Maximum	48.03	86.84	25.07	11.46	0.76	BDL	BDL	BDL	BDL
Minimum	42.94	73.9	18.99	8.61	0.67	BDL	BDL	BDL	BDL
Standard	60	100	80	80	04	20	06	--	--

BDL- Below Detection Limit.

For GPIII CL



M Anand
Dy. Manager - Environment


ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMD, CSPGCL
GHARGHODA

Project Name & Address : M/s Gara Pelma Sector-III Coal Block,
At Bajramuda, Tehsil- Tamnar, District- Raigarh,
Chhattisgarh.

Monitoring Period : October 2021 to March 2022

Testing Protocol/Method : As per CPCB/SPCB/MoEF&CC/IS-5182

Name of Monitoring Location : Village - Rodapalli

AMBIENT AIR QUALITY MONITORING RESULTS

Sampling Dates	PM 2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	Ni (ng/m^3)	#As (ng/m^3)	Cd ($\mu\text{g}/\text{m}^3$)	#Hg (ng/m^3)
October 2021	42.24	73.35	18.43	9.03	0.68	BDL	BDL	BDL	BDL
November 2021	47.90	79.21	20.94	9.78	0.76	BDL	BDL	BDL	BDL
December 2021	42.93	76.78	22.12	11.21	0.64	BDL	BDL	BDL	BDL
January 2022	46.29	86.45	22.29	11.68	0.72	BDL	BDL	BDL	BDL
February 2022	44.1875	84.0875	21.01	10.43	0.73	BDL	BDL	BDL	BDL
March 2022	46.52	86.95	25.86	8.85	0.71	BDL	BDL	BDL	BDL
Average	45.01	81.14	21.78	10.16	0.71	BDL	BDL	BDL	BDL
Maximum	47.9	86.95	25.86	11.68	0.76	BDL	BDL	BDL	BDL
Minimum	42.24	73.35	18.43	8.85	0.64	BDL	BDL	BDL	BDL
Standard	60	100	80	80	04	20	06	--	--

BDL- Below Detection Limit.

For GPIII CL



M Anand
Dy. Manager - Environment

ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (CwI) CMD, CSFGCL
GHARGHODA

Project Name & Address : M/s Gara Pelma Sector-III Coal Block,
At Bajramuda, Tehsil- Tamnar, District- Raigarh,
Chhattisgarh.

Monitoring Period : October 2021 to March 2022

Testing Protocol/Method : As per CPCB/SPCB/MoEF&CC/IS-5182

Name of Monitoring Location : Village - Near Mine Pit Office

AMBIENT AIR QUALITY MONITORING RESULTS

Sampling Dates	PM 2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	Ni (ng/m^3)	As (ng/m^3)	Cd ($\mu\text{g}/\text{m}^3$)	Hg (ng/m^3)
October 2021	45.75	79.67	21.30	9.40	0.73	BDL	BDL	BDL	BDL
November 2021	50.43	80.49	20.53	9.96	0.78	BDL	BDL	BDL	BDL
December 2021	45.08	76.54	22.94	11.73	0.64	BDL	BDL	BDL	BDL
January 2022	46.53	82.68	22.89	11.88	0.74	BDL	BDL	BDL	BDL
February 2022	44.60	84.875	22.56	11.18	0.76	BDL	BDL	BDL	BDL
March 2022	47.85	83.47	25.47	8.57	0.73	BDL	BDL	BDL	BDL
Average	46.71	81.29	22.62	10.45	0.73	BDL	BDL	BDL	BDL
Maximum	50.43	84.87	25.47	11.88	0.78	BDL	BDL	BDL	BDL
Minimum	44.6	76.54	20.53	8.57	0.64	BDL	BDL	BDL	BDL
Standard	60	100	80	80	04	20	06	--	--

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For GPIII CL



M Anand
Dy. Manager - Environment


ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMD, CSPGCL
GHARGHODA

Project Name & Address : M/s Gara Pelma Sector-III Coal Block,
At Bajramuda, Tehsil- Tamnar, District- Raigarh,
Chhattisgarh.

Monitoring Period : October 2021 to March 2022

Testing Protocol/Method : As per CPCB/SPCB/MoEF&CC/IS-5182

Name of Monitoring Location : Village - Near Contractor Camp

AMBIENT AIR QUALITY MONITORING RESULTS

Sampling Dates	PM 2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	Ni (ng/m^3)	As (ng/m^3)	Cd ($\mu\text{g}/\text{m}^3$)	Hg (ng/m^3)
October 2021	43.75	74.73	18.38	8.65	0.68	BDL	BDL	BDL	BDL
November 2021	45.38	81.38	26.01	8.63	0.80	BDL	BDL	BDL	BDL
December 2021	42.53	77.84	22.73	11.58	0.63	BDL	BDL	BDL	BDL
January 2022	45.15	83.58	20.85	11.05	0.71	BDL	BDL	BDL	BDL
February 2022	44.07	84.11	22.125	10.81	0.79	BDL	BDL	BDL	BDL
March 2022	45.86	85.91	26.48	8.50	0.75	BDL	BDL	BDL	BDL
Average	44.46	81.26	22.76	9.87	0.73	BDL	BDL	BDL	BDL
Maximum	45.86	85.91	26.48	11.58	0.8	BDL	BDL	BDL	BDL
Minimum	42.53	74.73	18.38	8.5	0.63	BDL	BDL	BDL	BDL
Standard	60	100	80	80	04	20	06	--	--

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Dy. Manager - Environment

ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civl) CMDc, CSPGCL
GHARGHODA

Project Name & Address : M/s Gara Pelma Sector-III Coal Block,
At Bajramuda, Tehsil- Tamnar, District- Raigarh,
Chhattisgarh.

Monitoring Period : October 2021 to March 2022

Testing Protocol/Method : As per CPCB/SPCB/MoEF&CC/IS-5182

Name of Monitoring Location : Village - Sakti

AMBIENT AIR QUALITY MONITORING RESULTS

Sampling Dates	PM 2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	Ni (ng/m^3)	As (ng/m^3)	Cd ($\mu\text{g}/\text{m}^3$)	Hg (ng/m^3)
October 2021	43.16	74.16	19.80	9.54	0.70	BDL	BDL	BDL	BDL
November 2021	45.20	77.01	20.36	9.78	0.75	BDL	BDL	BDL	BDL
December 2021	43.48	78.01	18.68	9.36	0.64	BDL	BDL	BDL	BDL
January 2022	41.66	75.64	19.45	10.20	0.70	BDL	BDL	BDL	BDL
February 2022	44.42	84.40	21.68	11.95	0.76	BDL	BDL	BDL	BDL
March 2022	45.36	82.41	21.60	8.43	0.73	BDL	BDL	BDL	BDL
Average	43.88	78.61	20.26	9.88	0.71	BDL	BDL	BDL	BDL
Maximum	45.36	84.4	21.68	11.95	0.76	BDL	BDL	BDL	BDL
Minimum	41.66	74.16	18.68	8.43	0.64	BDL	BDL	BDL	BDL
Standard	60	100	80	80	04	20	06	--	--

BDL- Below Detection Limit.

For GPIII CL



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Dy. Manager - Environment

ASSISTANT MANAGER
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O/o SE (Civil) CMD, CSPGCL
GHARGHODA

Project Name & Address : M/s Gara Pelma Sector-III Coal Block,
At Bajramuda, Tehsil- Tamnar, District- Raigarh,
Chhattisgarh.

Monitoring Period : October 2021 to March 2022

Testing Protocol/Method : As per CPCB/SPCB/MoEF&CC/IS-5182

Name of Monitoring Location : Village - Banjikhoh

AMBIENT AIR QUALITY MONITORING RESULTS

Sampling Dates	PM 2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	Ni (ng/m^3)	As (ng/m^3)	Cd ($\mu\text{g}/\text{m}^3$)	Hg (ng/m^3)
October 2021	41.84	72.94	19.58	9.41	0.69	BDL	BDL	BDL	BDL
November 2021	45.20	76.46	19.47	9.69	0.72	BDL	BDL	BDL	BDL
December 2021	43.06	73.54	21.74	10.89	0.73	BDL	BDL	BDL	BDL
January 2022	41.58	75.38	18.45	10.00	0.66	BDL	BDL	BDL	BDL
February 2022	45.40	85.40	21.56	10.86	0.78	BDL	BDL	BDL	BDL
March 2022	46.14	83.13	24.65	7.99	0.74	BDL	BDL	BDL	BDL
Average	43.87	77.81	20.91	9.81	0.72	BDL	BDL	BDL	BDL
Maximum	46.14	85.4	24.65	10.89	0.78	BDL	BDL	BDL	BDL
Minimum	41.58	72.94	18.45	7.99	.66	BDL	BDL	BDL	BDL
Standard	60	100	80	80	04	20	06	--	--

BDL- Below Detection Limit.

For GPIII CL



M Anand
Dy. Manager - Environment


ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMDG, CSFGCL
GHARGHODA

Project Name & Address : M/s Gara Pelma Sector-III Coal Block,
At Bajramuda, Tehsil- Tamnar, District- Raigarh,
Chhattisgarh.

Monitoring Period : October 2021 to March 2022

Testing Protocol/Method : As per CPCB/SPCB/MoEF&CC/IS-5182

Name of Monitoring Location : Village - Kolam

AMBIENT AIR QUALITY MONITORING RESULTS

Sampling Dates	PM 2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	Ni (ng/m^3)	As (ng/m^3)	Cd ($\mu\text{g}/\text{m}^3$)	Hg (ng/m^3)
October 2021	42.91	73.28	21.38	10.01	0.72	BDL	BDL	BDL	BDL
November 2021	44.98	76.52	19.98	9.70	0.71	BDL	BDL	BDL	BDL
December 2021	45.15	75.46	21.18	10.70	0.69	BDL	BDL	BDL	BDL
January 2022	40.49	74.55	19.65	10.83	0.61	BDL	BDL	BDL	BDL
February 2022	43.13	83.61	21.92	11.21	0.74	BDL	BDL	BDL	BDL
March 2022	44.63	84.42	26.17	8.81	0.72	BDL	BDL	BDL	BDL
Average	43.55	77.97	21.71	10.21	0.7	BDL	BDL	BDL	BDL
Maximum	45.15	84.42	26.17	11.21	0.74	BDL	BDL	BDL	BDL
Minimum	40.49	73.28	19.65	8.81	0.61	BDL	BDL	BDL	BDL
Standard	60	100	80	80	04	20	06	--	--

BDL- Below Detection Limit.

For GPIII CL



M Anand
Dy. Manager - Environment

ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMD, CSPGCL
GHARGHODA

Project Name & Address : M/s Gara Pelma Sector-III Coal Block,
At Bajramuda, Tehsil- Tamnar, District- Raigarh,
Chhattisgarh.

Monitoring Period : October 2021 to March 2022

Testing Protocol/Method : As per CPCB/SPCB/MoEF&CC/IS-5182

Name of Monitoring Location : Village - Dholnara Office

AMBIENT AIR QUALITY MONITORING RESULTS

Sampling Dates	PM 2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)	Ni (ng/m^3)	As (ng/m^3)	Cd ($\mu\text{g}/\text{m}^3$)	Hg (ng/m^3)
October 2021	43.12	73.49	21.62	9.64	0.70	BDL	BDL	BDL	BDL
November 2021	44.08	75.89	18.83	9.12	0.71	BDL	BDL	BDL	BDL
December 2021	44.19	76.44	21.29	10.89	0.63	BDL	BDL	BDL	BDL
January 2022	44.30	83.58	21.16	12.05	0.70	BDL	BDL	BDL	BDL
February 2022	42.62	82.70	21.20	10.80	0.79	BDL	BDL	BDL	BDL
March 2022	44.74	81.53	25.49	10.98	0.82	BDL	BDL	BDL	BDL
Average	43.84	78.94	21.6	10.58	0.73	BDL	BDL	BDL	BDL
Maximum	44.74	83.58	25.49	12.05	0.82	BDL	BDL	BDL	BDL
Minimum	42.62	73.49	18.83	9.12	0.63	BDL	BDL	BDL	BDL
Standard	60	100	80	80	04	20	06	--	--

BDL- Below Detection Limit.

For GPIII CL



M Anand
Dy. Manager - Environment


ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMDC, C&PGCL
GHARGHODA

Project Name : **M/s Gara Pelma Sector-III Coal Block,
At Bajramuda, Tehsil- Tamnar, District- Raigarh,
Chhattisgarh.**

Testing Protocol/Method : **As per CPCB/SPCB/ MoEF & CC/ IS-9989**

Sampling Village : **Village - Milupara**

Monitoring Period : **October 2021 to March 2022**

NOISE LEVEL MONITORING RESULTS

Month of Monitoring	Date	Day Time		Night Time	
		L-min	L-max	L-min	L-max
October 2021	07-10-2021	44.1	53.1	35.7	43.3
	13-10-2021	45.6	52.2	35.1	42.6
	14-10-2021	45.2	51.7	32.5	41.8
	20-10-2021	47.3	54.9	33.4	42.7
	21-10-2021	46.9	53.8	38.3	44.5
	27-10-2021	47.5	54.2	34.9	43.2
	28-10-2021	42.9	53.5	32.9	42.6
November 2021	03-11-2021	46.8	54.9	37.5	44.7
	04-11-2021	43.2	53.2	35.2	42.1
	10-11-2021	45.3	54.3	36.1	43.2
	11-11-2021	42.3	51.6	33.9	41.4
	17-11-2021	45.7	53.3	35.3	44.3
	18-11-2021	44.3	52.4	32.1	43.4
	24-11-2021	44.9	54.2	31.9	41.1
	25-11-2021	44.3	54.8	33.1	44.2

For GPIII CL



M Anand
Dy. Manager - Environment

ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMD, CSPGCL
GHARGHODA

Month of Monitoring	Date	Day Time		Night Time	
		L-min	L-max	L-min	L-max
December 2021	01-12-2021	45.2	53.4	35.3	44.6
	02-12-2021	43.6	51.8	32.5	43.3
	08-12-2021	47.3	54.7	31.9	41.5
	09-12-2021	46.7	52.3	35.5	43.2
	15-12-2021	44.8	53.4	36.4	42.5
	16-12-2021	45.7	52.8	38.8	44.5
	22-12-2021	44.9	52.9	32.1	41.8
	23-12-2021	46.4	54.2	33.5	42.6
	29-12-2021	45.3	51.4	36.1	44.1
	30-12-2021	46.5	53.7	34.5	42.9
January 2022	01-01-2022	45.5	54.8	34.4	42.4
	03-01-2022	44.5	53.6	37.6	44.3
	08-01-2022	46.7	52.4	35.3	43.6
	10-01-2022	44.4	51.5	36.5	42.8
	15-01-2022	45.6	54.7	31.3	44.9
	17-01-2022	41.4	53.6	33.7	42.7
	22-01-2022	43.4	52.5	34.1	43.8
	24-01-2022	48.2	54.6	33.6	41.7
	29-01-2022	43.4	52.3	35.6	43.1
	31-01-2022	45.5	53.7	38.8	44.8

For GPIII CL



M Anand
Dy. Manager - Environment

ASSISTANT MANAGER
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O/o SE (Civil) CMDC, CSPGCL
GHARGHODA

Month of Monitoring	Date	Day Time		Night Time	
		L-min	L-max	L-min	L-max
February 2022	01-02-2022	44.2	53.8	39.2	43.7
	02-02-2022	42.8	51.7	37.4	43.2
	08-02-2022	43.5	52.2	38.0	44.5
	09-02-2022	44.5	54.1	36.4	43.1
	15-02-2022	45.3	54.8	38.4	43.5
	16-02-2022	42.2	53.9	37.1	43.0
	22-02-2022	42.5	52.1	31.2	42.5
	23-02-2022	43.8	54.6	33.1	42.8
March 2022	03-03-2022	47.5	54.2	36.2	40.1
	04-03-2022	45.6	53.4	38.4	42.9
	10-03-2022	46.8	52.4	39.5	43.8
	11-03-2022	47.3	51.4	36.3	44.7
	17-03-2022	44.5	54.3	37.4	44.5
	18-03-2022	45.7	52.4	34.2	41.4
	24-03-2022	46.2	54.6	36.4	43.2
	25-03-2022	39.7	52.1	36.2	44.3
Average		45	53.3	35.3	43.1

For GPIII CL



M Anand
Dy. Manager - Environment

ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMDC, CSPGCL
GHARGHODA

Project Name : M/s Gara Pelma Sector-III Coal Block,
At Bajramuda, Tehsil- Tamnar, District- Raigarh,
Chhattisgarh.

Testing Protocol/Method : As per CPCB/SPCB/ MoEF & CC/ IS-9989
Sampling Village : Village - Khamariya
Monitoring Period : October 2021 to March 2022

NOISE LEVEL MONITORING RESULTS

Month of Monitoring	Date	Day Time		Night Time	
		L-min	L-max	L-min	L-max
October 2021	06-10-2021	41.8	52.5	35.6	41.2
	07-10-2021	44.3	51.9	32.6	42.6
	13-10-2021	43.8	53.8	37.2	44.7
	14-10-2021	45.2	54.3	35.6	43.6
	20-10-2021	43.5	53.2	31.4	42.4
	21-10-2021	46.3	54.7	30.3	41.5
	27-10-2021	41.4	50.4	36.2	43.3
	28-10-2021	42.3	54.3	33.3	42.4
November 2021	03-11-2021	46.3	53.5	35.9	44.3
	04-11-2021	46.7	54.3	34.3	43.2
	10-11-2021	46.4	51.5	34.1	41.2
	11-11-2021	44.7	52.1	36.7	42.2
	17-11-2021	42.1	54.8	33.5	44.8
	18-11-2021	42.9	51.3	34.7	43.7
	24-11-2021	44.4	53.1	35.6	42.6

For GPIII CL



M Anand
Dy. Manager - Environment


ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMD, C&PGCL
GHARGHODA

	25-11-2021	42.6	50.7	32.1	43.8
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Month of Monitoring	Date	Day Time		Night Time	
		L-min	L-max	L-min	L-max
December 2021	01-12-2021	46.4	53.2	32.4	42.1
	02-12-2021	44.3	51.6	31.7	43.4
	08-12-2021	46.5	52.3	30.3	41.2
	09-12-2021	45.8	54.2	38.5	43.7
	15-12-2021	43.6	53.8	39.6	44.4
	16-12-2021	46.8	51.5	37.9	42.8
	22-12-2021	45.4	52.7	35.5	41.5
	23-12-2021	42.1	50.3	34.6	42.2
	29-12-2021	46.4	51.1	36.4	43.1
	30-12-2021	44.3	54.6	37.7	44.4
January 2022	01-01-2022	43.5	54.2	33.9	42.2
	03-01-2022	42.9	52.2	34.8	43.6
	08-01-2022	41.8	51.5	32.7	42.2
	10-01-2022	44.3	51.9	31.6	42.6
	15-01-2022	45.8	53.8	32.2	40.7
	17-01-2022	45.2	54.3	35.6	44.6
	22-01-2022	42.5	53.2	36.4	43.4
	24-01-2022	46.3	51.7	34.3	44.5
	29-01-2022	44.4	54.4	33.2	43.3
	31-01-2022	46.3	53.3	32.5	44.4

For GPIII CL



M Anand
Dy. Manager - Environment

ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civl) CMD, CSPGCL
GHARGHODA

Month of Monitoring	Date	Day Time		Night Time	
		L-min	L-max	L-min	L-max
February 2022	01-02-2022	43.9	52.2	37.2	41.6
	02-02-2022	42.6	51.1	36.8	44.8
	08-02-2022	45.5	54.8	34.4	43.4
	09-02-2022	44.5	53.6	30.6	41.3
	15-02-2022	46.7	54.4	35.3	42.6
	16-02-2022	44.4	53.5	33.5	43.8
	22-02-2022	41.6	52.7	34.3	44.3
	23-02-2022	43.4	53.6	35.7	41.7
March 2022	03-03-2022	44.8	53.3	35.2	43.7
	04-03-2022	43.4	51.3	36.8	44.4
	10-03-2022	41.9	52.6	39.1	42.5
	11-03-2022	42.6	51.7	37.4	44.6
	17-03-2022	39.6	53.9	38.5	43.1
	18-03-2022	44.5	54.4	35.4	41.9
	24-03-2022	43.8	49.9	36.2	42.5
	25-03-2022	41.7	52.6	38.1	43.5
Average		44.12	52.84	34.91	43.03

Project Name : M/s Gara Pelma Sector-III Coal Block,

For GPIII CL



M Anand
Dy. Manager - Environment

ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMD, CSPGCL
GHARGHODA

**At Bajramuda, Tehsil- Tamnar, District- Raigarh,
Chhattisgarh.**

Testing Protocol/Method : As per CPCB/SPCB/ MoEF & CC/ IS-9989
 Sampling Village : Village - Dholnara
 Monitoring Period : October 2021 to March 2022

NOISE LEVEL MONITORING RESULTS

Month of Monitoring	Date	Day Time		Night Time	
		L-min	L-max	L-min	L-max
October 2021	06-10-2021	43.2	51.9	34.3	43.4
	07-10-2021	45.1	53.9	31.5	41.6
	13-10-2021	42.5	54.2	37.4	42.4
	14-10-2021	41.2	52.7	36.3	44.5
	20-10-2021	46.4	54.4	35.2	41.3
	21-10-2021	44.2	53.1	33.4	43.5
	27-10-2021	43.1	54.7	36.2	44.6
	28-10-2021	41.6	52.2	36.7	44.8
November 2021	03-11-2021	45.8	54.8	32.8	43.1
	04-11-2021	44.2	52.5	35.7	44.2
	10-11-2021	45.2	54.2	32.5	41.8
	11-11-2021	42.8	51.4	34.1	44.9
	17-11-2021	43.2	53.7	35.9	43.7
	18-11-2021	43.9	54.3	35.2	44.5
	24-11-2021	41.4	52.4	33.3	43.4
	25-11-2021	43.2	52.9	32.4	42.4

Month of Monitoring	Date	Day Time	Night Time
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For GPIII CL



M Anand
Dy. Manager - Environment

ASSISTANT MANAGER
 (ENVIRONMENT)
 O/o SE (Civil) CMDG, CSPGCL
 GHARGHODA

		L-min	L-max	L-min	L-max
December 2021	01-12-2021	46.8	53.5	34.7	44.3
	02-12-2021	44.6	54.4	31.5	42.7
	08-12-2021	46.2	51.2	36.6	41.6
	09-12-2021	45.7	54.6	37.4	42.5
	15-12-2021	43.8	52.9	36.2	44.7
	16-12-2021	46.4	51.4	38.5	43.4
	22-12-2021	45.6	53.8	37.7	44.6
	23-12-2021	47.3	54.6	33.9	44.5
	29-12-2021	46.8	53.5	32.7	41.3
	30-12-2021	44.6	54.4	31.5	42.7
January 2022	01-01-2022	40.4	51.6	31.9	42.5
	03-01-2022	43.6	54.5	40.7	41.6
	08-01-2022	42.7	52.3	32.9	43.5
	10-01-2022	44.5	53.5	37.5	44.9
	15-01-2022	45.3	52.4	32.6	42.6
	17-01-2022	41.6	51.2	32.2	42.3
	22-01-2022	42.4	52.4	31.4	41.6
	24-01-2022	43.2	53.2	32.6	43.5
	29-01-2022	43.6	54.6	35.5	44.2
	31-01-2022	44.8	54.4	31.5	42.7

Month of Monitoring	Date	Day Time		Night Time	
		L-min	L-max	L-min	L-max
February 2022	01-02-2022	43.4	54.5	37.1	43.6
	02-02-2022	41.2	52.6	33.6	41.7
	08-02-2022	43.4	52.9	35.6	44.6
	09-02-2022	45.5	54.7	33.8	42.8

For GPIII CL



M Anand
Dy. Manager - Environment

ASSISTANT MANAGER
(ENVIRONMENT)
D/o SE (Civil) CMDC, CSFGCL
GHARGHODA

	15-02-2022	47.5	54.2	34.9	43.5
	16-02-2022	42.9	51.2	34.9	44.6
	22-02-2022	41.8	52.5	31.6	42.2
	23-02-2022	44.3	51.9	32.6	43.1
March 2022	03-03-2022	44.2	54.8	39.2	43.7
	04-03-2022	42.8	52.7	37.4	43.2
	10-03-2022	43.5	52.0	38.0	44.0
	11-03-2022	44.5	53.1	36.4	43.1
	17-03-2022	45.3	54.4	38.4	43.5
	18-03-2022	42.2	50.9	37.1	43.0
	24-03-2022	42.5	52.1	37.2	42.5
	25-03-2022	46.2	54.7	38.3	43.6
Average		44	53.21	34.97	43.24

Project Name : M/s Gara Pelma Sector-III Coal Block,
At Bajramuda, Tehsil- Tamnar, District- Raigarh,
Chhattisgarh.

Testing Protocol/Method : As per CPCB/SPCB/ MoEF & CC/ IS-9989
Sampling Village : Village - Rodapalli
Monitoring Period : October 2021 to March 2022

NOISE LEVEL MONITORING RESULTS

Month of Monitoring	Date	Day Time		Night Time	
		L-min	L-max	L-min	L-max
October 2021	06-10-2021	44.6	53.9	34.5	44.2
	07-10-2021	43.7	54.7	33.6	43.4
	13-10-2021	46.8	53.2	33.5	42.3
	14-10-2021	42.5	51.4	34.1	44.5

For GPIII CL



M Anand
Dy. Manager - Environment

ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMD, CSPGCL
GHARGHODA

	20-10-2021	42.1	53.1	32.9	43.6
	21-10-2021	45.4	54.2	30.5	40.2
	27-10-2021	41.5	52.1	32.2	43.5
	28-10-2021	42.1	51.4	31.5	42.7
November 2021	03-11-2021	47.8	53.1	34.7	44.2
	04-11-2021	46.2	51.2	32.1	43.9
	10-11-2021	42.8	54.8	35.2	44.8
	11-11-2021	45.1	52.8	31.8	41.9
	17-11-2021	41.3	50.2	33.5	42.3
	18-11-2021	43.6	53.6	34.9	43.5
	24-11-2021	41.4	52.4	35.6	44.3
	25-11-2021	43.3	54.3	32.4	43.4

Month of Monitoring	Date	Day Time		Night Time	
		L-min	L-max	L-min	L-max
December 2021	01-12-2021	46.3	54.2	36.8	44.3
	02-12-2021	47.6	53.3	37.1	42.2
	08-12-2021	48.2	54.7	39.1	43.2
	09-12-2021	47.4	52.3	39.6	40.3
	15-12-2021	46.3	52.9	36.8	41.8
	16-12-2021	45.3	54.2	37.3	40.3
	22-12-2021	45.7	53.1	38.3	43.2
	23-12-2021	44.2	53.4	36.9	43.9
	29-12-2021	45.3	51.2	36.8	41.3
	30-12-2021	46.6	50.3	37.1	42.2
January 2022	01-01-2022	41.2	52.5	33.9	41.7
	03-01-2022	42.5	53.4	35.1	43.5

For GPIII CL



M Anand
Dy. Manager - Environment

ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMD, CSPGCL
GHARGHODA

	08-01-2022	43.2	54.8	35.8	44.4
	10-01-2022	44.3	52.3	32.7	41.6
	15-01-2022	43.5	54.7	31.5	42.4
	17-01-2022	42.6	52.5	32.6	43.6
	22-01-2022	41.5	50.9	31.8	44.6
	24-01-2022	42.9	53.5	36.5	41.7

Month of Monitoring	Date	Day Time		Night Time	
		L-min	L-max	L-min	L-max
February 2022	01-02-2022	44.8	53.8	31.2	43.7
	02-02-2022	45.2	54.3	33.6	42.6
	08-02-2022	41.5	52.2	35.4	44.4
	09-02-2022	43.3	53.7	36.3	44.8
	15-02-2022	45.4	54.4	32.2	42.3
	16-02-2022	43.8	52.3	33.3	43.4
	22-02-2022	40.4	51.6	31.9	41.5
	23-02-2022	41.6	52.5	36.7	44.6
March 2022	03-03-2022	43.5	54.6	34.5	43.9
	04-03-2022	46.8	50.8	37.2	43.7
	10-03-2022	47.1	53.4	40.5	44.5
	11-03-2022	42.4	53.9	37.6	44.9
	17-03-2022	43.1	54.7	36.4	41.7
	18-03-2022	45.6	52.6	38.5	42.3
	24-03-2022	41.5	54.9	33.9	44.5
	25-03-2022	43.8	54.6	36.1	42.8
Average		44.09	53.1	34.88	43.09

For GPIII CL



M Anand
Dy. Manager - Environment

ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civii) CMDC, CSPGCL
GHARGHODA

Project Name : **M/s Gara Pelma Sector-III Coal Block,
At Bajramuda, Tehsil- Tamnar, District- Raigarh,
Chhattisgarh.**

Testing Protocol/Method : **As per CPCB/SPCB/ MoEF & CC/ IS-9989**
Sampling Village : **Village - Near Mine Pit Office**
Monitoring Period : **October 2021 to March 2022**

NOISE LEVEL MONITORING RESULTS

Month of Monitoring	Date	Day Time		Night Time	
		L-min	L-max	L-min	L-max
October 2021	01-10-2021	47.6	60.4	39.3	49.6
	02-10-2021	45.8	71.5	40.1	48.5
	08-10-2021	48.1	58.6	37.5	47.9
	09-10-2021	49.5	63.2	39.6	50.1
	15-10-2021	47.6	61.4	38.6	49.5
	16-10-2021	48.5	66.5	42.9	53.6
	22-10-2021	49.3	59.6	37.5	49.5
	23-10-2021	46.6	57.9	40.6	52.8
	29-10-2021	49.8	60.4	44.2	53.8
	30-10-2021	47.5	61.2	36.2	46.3
November 2021	05-11-2021	44.2	53.2	34.3	42.9
	06-11-2021	43.3	52.5	35.5	43.2
	12-11-2021	42.3	51.6	36.9	44.3
	13-11-2021	41.7	52.3	33.3	42.2
	19-11-2021	45.4	53.8	32.1	41.2

For GPIII CL



M Anand
Dy. Manager - Environment


ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMD, CSPGCL
GHARGHODA

	20-11-2021	51.7	54.1	35.4	43.2
	26-11-2021	45.5	52.7	35.8	44.5
	27-11-2021	43.4	54.6	31.8	40.1

Month of Monitoring	Date	Day Time		Night Time	
		L-min	L-max	L-min	L-max
December 2021	03-12-2021	45.8	54.8	37.8	49.3
	04-12-2021	42.1	58.3	35.1	50.5
	10-12-2021	45.3	60.2	37.5	43.8
	11-12-2021	43.2	60.4	38.5	48.3
	17-12-2021	42.5	60.7	40.7	48.2
	18-12-2021	44.2	53.4	37.5	48.6
	24-12-2021	42.3	58.4	35.2	48.9
	25-12-2021	44.1	60.6	36.4	42.6
January 2022	04-01-2022	42.6	62.5	38.9	49.3
	05-01-2022	54.3	63.7	36.3	48.6
	11-01-2022	53.6	59.7	39.1	51.1
	12-01-2022	47.3	65.2	41.8	59.5
	18-01-2022	51.1	70.2	50.2	61.9
	19-01-2022	56.3	68.6	38.7	49.8
	25-01-2022	48.4	66.5	39.5	50.7
	26-01-2022	52.6	67.9	40.3	49.4

Month of Monitoring	Date	Day Time		Night Time	
		L-min	L-max	L-min	L-max
February 2022	03-02-2022	51.5	61.2	41.5	55.6

For GPIII CL



M Anand
Dy. Manager - Environment


ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMD, C5FGCL
GHARGHODA

	04-02-2022	52.3	63.6	44.2	58.5
	10-02-2022	56.1	64.5	43.2	52.6
	11-02-2022	59.6	70.5	48.5	59.2
	17-02-2022	58.5	68.5	41.9	57.5
	18-02-2022	53.2	61.4	46.3	60.6
	24-02-2022	55.2	66.5	45.7	56.2
	25-02-2022	53.3	67.4	50.5	58.2
March 2022	05-03-2022	63.7	73.4	54.3	60.9
	06-03-2022	64.4	72.6	57.7	63.1
	12-03-2022	62.6	74.3	56.1	64.8
	13-03-2022	64.9	71.1	55.2	61.4
	19-03-2022	60.5	73.7	56.4	64.1
	20-03-2022	63.7	74.8	54.6	63.7
	26-03-2022	60.8	71.7	55.8	62.6
27-03-2022	63.8	73.2	59.5	62.3	
Average		50.75	62.9	42.13	52.10

Project Name : **M/s Gara Pelma Sector-III Coal Block,
At Bajramuda, Tehsil- Tamnar, District- Raigarh,
Chhattisgarh.**

Testing Protocol/Method : **As per CPCB/SPCB/ MoEF & CC/ IS-9989**
Sampling Village : **Village – Near Contractor Camp**
Monitoring Period : **October 2021 to March 2022**

NOISE LEVEL MONITORING RESULTS

Month of Monitoring	Date	Day Time		Night Time	
		L-min	L-max	L-min	L-max
October 2021	01-10-2021	46.3	53.7	36.3	48.6

For GPIII CL



M Anand
Dy. Manager - Environment

ASSISTANT MANAGER
 (ENVIRONMENT)
 O/o SE (Civil) CMD, C&FGL
 GHARGHODA

	02-10-2021	43.6	59.7	35.1	51.1
	08-10-2021	47.3	65.2	34.8	48.5
	09-10-2021	47.1	70.2	40.2	48.9
	15-10-2021	49.3	68.6	35.7	49.8
	16-10-2021	48.4	66.5	39.5	46.7
	22-10-2021	46.6	59.9	40.3	49.4
	23-10-2021	42.7	53.7	32.1	48.3
	29-10-2021	45.5	65.7	35.8	46.2
	30-10-2021	47.4	62.6	37.3	49.1
November 2021	05-11-2021	46.8	54.4	31.6	42.4
	06-11-2021	42.9	53.2	32.8	43.1
	12-11-2021	41.8	51.9	33.1	42.8
	13-11-2021	43.5	52.8	36.5	44.2
	19-11-2021	42.4	51.2	35.2	43.9
	20-11-2021	44.2	54.8	34.8	44.6
	26-11-2021	45.1	53.2	32.3	41.8
	27-11-2021	42.7	51.5	31.2	41.1

Month of Monitoring	Date	Day Time		Night Time	
		L-min	L-max	L-min	L-max
December 2021	03-12-2021	46.4	64.1	36.4	48.4
	04-12-2021	44.8	60.2	38.4	47.2
	10-12-2021	43.6	56.7	37.3	49.2
	11-12-2021	48.2	57.4	35.6	45.3
	17-12-2021	45.7	59.5	36.8	47.5
	18-12-2021	46.8	63.4	35.4	46.8
	24-12-2021	45.7	60.2	37.9	46.2

For GPIII CL



M Anand
Dy. Manager - Environment

ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMDC, CSPGCL
GHARGHODA

	25-12-2021	44.2	57.4	37.4	48.5
January 2022	04-01-2022	51.7	63.7	48.1	59.3
	05-01-2022	53.5	65.7	45.8	57.2
	11-01-2022	57.4	62.6	53.3	65.1
	12-01-2022	52.1	53.8	51.5	65.3
	18-01-2022	49.9	59.3	44.7	55.7
	19-01-2022	55.4	61.1	45.6	59.6
	25-01-2022	48.6	69.7	44.1	58.2
	26-01-2022	47.8	63.5	42.8	56.1

Month of Monitoring	Date	Day Time		Night Time	
		L-min	L-max	L-min	L-max
February 2022	03-02-2022	52.6	62.9	42.6	57.5
	04-02-2022	55.8	67.9	48.6	60.1
	10-02-2022	58.6	64.2	44.2	57.5
	11-02-2022	52.6	70.4	49.8	61.7
	17-02-2022	57.5	68.5	45.6	57.8
	18-02-2022	59.6	67.5	44.5	57.5
	24-02-2022	53.1	68.9	42.6	59.6
	25-02-2022	57.5	69.5	49.6	58.5
March 2022	05-03-2022	63.2	71.7	59.4	60.9
	06-03-2022	68.7	70.6	55.3	62.3
	12-03-2022	62.5	72.4	55.7	64.4
	13-03-2022	62.5	74.2	58.4	63.5
	19-03-2022	62.3	73.1	54.9	64.7
	20-03-2022	62.6	70.8	57.5	62.6
	26-03-2022	65.6	69.4	57.2	64.1
	27-03-2022	62.1	72.3	58.4	62.2

For GPIII CL



M Anand
Dy. Manager - Environment


 ASSISTANT MANAGER
 (ENVIRONMENT)
 O/o SE (Civ) CMD, CSPGCL
 GHARGHODA

Average		51.04	62.82	42.6	53.22
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Project Name : M/s Gara Pelma Sector-III Coal Block,
At Bajramuda, Tehsil- Tamnar, District- Raigarh,
Chhattisgarh.

Testing Protocol/Method : As per CPCB/SPCB/ MoEF & CC/ IS-9989
Sampling Village : Village - Sakti
Monitoring Period : October 2021 to March 2022

NOISE LEVEL MONITORING RESULTS

Month of Monitoring	Date	Day Time		Night Time	
		L-min	L-max	L-min	L-max
October 2021	01-10-2021	41.3	52.7	34.3	44.3
	02-10-2021	40.1	50.1	33.3	42.1
	08-10-2021	45.3	52.8	31.2	41.8
	09-10-2021	44.8	53.1	34.7	44.2
	15-10-2021	46.2	51.2	34.1	43.9
	16-10-2021	42.8	54.8	32.2	42.8
	22-10-2021	45.1	51.8	33.8	41.9
	23-10-2021	45.4	53.9	32.6	40.5
	29-10-2021	41.3	52.2	30.5	41.3
	30-10-2021	44.6	53.6	36.9	44.5
	November 2021	05-11-2021	45.7	54.1	33.2
06-11-2021		42.5	52.9	35.8	44.5
12-11-2021		43.4	53.8	32.5	43.2
13-11-2021		44.8	54.8	36.3	44.9
19-11-2021		43.5	52.4	31.9	42.9

For GPIII CL



M Anand
Dy. Manager - Environment

ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMD, CSFGCL
GHARGHODA

	20-11-2021	40.4	51.5	34.4	41.3
	26-11-2021	41.2	53.8	32.6	40.8
	27-11-2021	45.5	54.4	33.7	42.8
December 2021	03-12-2021	42.2	50.9	35.7	42.8
	04-12-2021	44.3	53.3	33.2	41.7
	10-12-2021	43.1	52.7	32.4	42.4
	11-12-2021	42.2	52.1	31.1	40.8
	17-12-2021	44.3	51.2	34.6	42.9
	18-12-2021	43.6	54.8	35.3	40.2
	24-12-2021	45.6	54.3	36.2	44.6
	25-12-2021	46.2	54.1	37.8	44.9
January 2022	04-01-2022	44.2	54.5	35.7	44.2
	05-01-2022	41.2	53.2	31.5	41.8
	11-01-2022	42.8	52.4	34.1	43.2
	12-01-2022	41.5	51.7	35.9	44.7
	18-01-2022	43.2	54.3	35.2	44.6
	19-01-2022	45.2	53.4	33.3	42.6
	25-01-2022	43.6	51.8	32.5	41.3
	26-01-2022	42.3	53.7	33.9	43.5
February 2022	03-02-2022	45.5	54.6	31.9	41.2
	04-02-2022	42.6	52.5	32.9	42.3
	10-02-2022	46.3	53.7	36.3	44.6
	11-02-2022	43.6	51.7	35.1	43.1
	17-02-2022	47.3	54.2	34.8	42.5
	18-02-2022	44.1	53.2	40.2	41.9
	24-02-2022	42.3	51.6	35.7	44.8
	25-02-2022	41.4	51.5	31.5	42.7

For GPIII CL



M Anand
Dy. Manager - Environment

A.F.
ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMD, CSPGCL
GHARGHODA

March 2022	05-03-2022	43.9	56.2	37.5	41.6
	06-03-2022	42.0	56.1	36.8	44.8
	12-03-2022	40.5	53.6	35.8	45.2
	13-03-2022	42.0	52.8	33.2	40.1
	19-03-2022	43.2	57.4	37.4	45.3
	20-03-2022	40.7	55.7	35.9	44.7

Project Name : **M/s Gara Pelma Sector-III Coal Block,
At Bajramuda, Tehsil- Tamnar, District- Raigarh,
Chhattisgarh.**

Testing Protocol/Method : **As per CPCB/SPCB/ MoEF & CC/ IS-9989**

Sampling Village : **Village - Banjikhola**

Monitoring Period : **October 2021 to March 2022**

	26-03-2022	44.2	56.3	32.6	43.1
	27-03-2022	41.4	58.2	34.1	41.0
	Average	43.41	53.43	34.28	42.9

NOISE LEVEL MONITORING RESULTS

Month of Monitoring	Date	Day Time		Night Time	
		L-min	L-max	L-min	L-max
October 2021	03-10-2021	42.4	50.4	32.6	41.3
	04-10-2021	41.3	51.3	31.4	40.4
	10-10-2021	43.2	52.2	33.3	42.9
	11-10-2021	44.3	54.7	36.1	43.6
	17-10-2021	42.3	52.5	35.5	41.2

For GPIII CL



M Anand
Dy. Manager - Environment

(Signature)
ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMD, CSPGCL
GHARGHODA

	18-10-2021	41.3	53.5	33.9	43.3
	24-10-2021	43.7	54.3	34.3	44.2
	25-10-2021	42.4	51.5	30.1	41.8
	31-10-2021	41.7	52.1	32.4	43.2
November 2021	01-11-2021	45.1	54.2	35.4	44.8
	07-11-2021	42.3	52.6	33.8	43.5
	08-11-2021	42.8	53.8	31.6	42.8
	14-11-2021	46.5	54.9	32.5	41.6
	15-11-2021	43.6	52.3	33.4	43.9
	21-11-2021	45.4	54.1	34.6	43.3
	22-11-2021	42.5	52.9	33.4	42.7
	28-11-2021	42.9	53.1	36.7	44.8
	29-11-2021	45.7	54.7	34.4	43.2

Month of Monitoring	Date	Day Time		Night Time	
		L-min	L-max	L-min	L-max
December 2021	06-12-2021	43.6	53.2	36.4	44.6
	07-12-2021	44.7	53.1	36.2	42.7
	13-12-2021	45.9	53.2	34.3	43.9
	14-12-2021	46.2	51.1	33.1	42.2
	20-12-2021	42.6	52.2	31.2	41.6
	21-12-2021	41.3	52.8	32.2	43.3
	27-12-2021	47.1	53.1	33.7	44.1
	28-12-2021	44.2	52.8	34.9	44.5
January 2022	06-01-2022	41.7	51.3	33.5	43.5
	07-01-2022	44.8	54.4	33.9	44.5
	13-01-2022	43.7	52.3	32.8	42.5

For GPIII CL



M Anand
Dy. Manager - Environment


ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMDC, CSPGCL
GHARGHODA

	14-01-2022	44.9	53.9	31.1	41.8
	20-01-2022	42.4	51.2	33.5	43.8
	21-01-2022	41.3	52.4	34.1	44.8
	27-01-2022	45.5	54.7	34.5	43.5
	28-01-2022	43.4	53.2	32.4	41.1
February 2022	05-02-2022	42.5	51.4	32.1	41.1
	07-02-2022	46.2	54.8	35.8	44.4
	12-02-2022	43.3	52.3	40.7	42.6
	14-02-2022	41.5	53.7	32.5	41.4
	19-02-2022	42.6	51.5	31.6	42.6
	21-02-2022	44.5	53.9	32.6	43.8
	26-02-2022	43.9	53.5	30.5	40.7
	28-02-2022	45.2	54.8	33.3	42.3
March 2022	01-03-2022	43.8	53.9	33.4	42.3
	02-03-2022	42.3	54.7	36.5	43.4
	07-03-2022	44.6	52.6	35.4	44.3
	08-03-2022	46.3	54.3	38.1	44.5
	14-03-2022	42.1	51.8	38.8	42.5
	15-03-2022	41.6	53.5	36.7	43.9
	21-03-2022	40.8	54.6	35.8	44.7
	22-03-2022	42.2	53.7	32.7	40.8
	28-03-2022	42.7	52.9	39.0	42.8
	29-03-2022	44.7	53.2	32.7	44.5
	Average	43.53	53.10	34.07	43.03

Project Name : M/s Gara Pelma Sector-III Coal Block,

For GPIII CL



M Anand
Dy. Manager - Environment

ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMD, CSFGCL
GHARGHODA

**At Bajramuda, Tehsil- Tamnar, District- Raigarh,
Chhattisgarh.**

Testing Protocol/Method : As per CPCB/SPCB/ MoEF & CC/ IS-9989
 Sampling Village : Village - Kolam
 Monitoring Period : October 2021 to March 2022

NOISE LEVEL MONITORING RESULTS

Month of Monitoring	Date	Day Time		Night Time	
		L-min	L-max	L-min	L-max
October 2021	03-10-2021	45.1	54.2	33.3	42.4
	04-10-2021	41.7	51.5	31.2	41.2
	10-10-2021	40.3	50.8	33.6	43.5
	11-10-2021	42.8	53.8	37.8	44.7
	17-10-2021	41.5	52.4	34.9	42.9
	18-10-2021	43.4	54.5	31.4	43.3
	24-10-2021	40.2	51.8	32.6	41.8
	25-10-2021	41.5	50.4	33.7	42.5
	31-10-2021	43.4	53.9	34.8	43.8
November 2021	01-11-2021	42.4	53.1	32.2	43.8
	07-11-2021	44.2	54.3	35.6	44.2
	08-11-2021	40.3	51.7	31.4	42.3
	14-11-2021	41.8	52.6	36.2	44.1
	15-11-2021	40.9	51.9	34.5	43.7
	21-11-2021	40.5	52.7	31.9	40.6
	22-11-2021	46.9	54.2	34.6	43.9
	28-11-2021	41.7	52.5	33.1	42.2
	29-11-2021	40.1	50.1	36.3	42.8

Month of Monitoring	Date	Day Time	Night Time
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For GPIII CL



M Anand
Dy. Manager - Environment

(Signature)
ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil), CMD, CSPGCL
GHARGHODA

		L-min	L-max	L-min	L-max
December 2021	06-12-2021	44.7	53.2	34.9	43.9
	07-12-2021	42.3	53.9	36.4	44.6
	13-12-2021	44.4	54.1	37.5	43.5
	14-12-2021	43.7	52.2	37.1	43.1
	20-12-2021	41.2	50.6	35.2	43.7
	21-12-2021	42.3	53.7	33.2	42.8
	27-12-2021	41.3	51.6	31.5	41.9
	28-12-2021	44.3	54.8	34.6	43.6
January 2022	06-01-2022	44.3	54.6	34.7	43.4
	07-01-2022	41.5	51.3	31.3	42.2
	13-01-2022	40.8	50.2	35.5	44.7
	14-01-2022	43.6	53.2	36.6	44.4
	20-01-2022	44.8	54.5	32.9	42.8
	21-01-2022	42.4	51.7	31.5	41.5
	27-01-2022	43.1	53.3	32.6	42.3
	28-01-2022	41.4	52.2	34.4	44.1

Month of Monitoring	Date	Day Time		Night Time	
		L-min	L-max	L-min	L-max
February 2022	05-02-2022	42.6	53.6	32.9	43.5
	07-02-2022	41.5	51.5	34.5	44.9
	12-02-2022	43.5	52.6	32.6	42.6
	14-02-2022	45.6	54.5	32.2	42.3
	19-02-2022	42.4	51.9	31.4	41.6
	21-02-2022	42.2	53.5	32.6	43.5
	26-02-2022	43.6	54.6	33.5	42.2
	28-02-2022	41.2	52.7	33.9	41.7

For GPIII CL



M Anand
Dy. Manager - Environment


ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMD, CSFGCL
GHARGHODA

March 2022	01-03-2022	42.7	53.9	35.6	44.6
	02-03-2022	44.6	54.2	33.4	42.8
	07-03-2022	49.4	53.6	34.7	43.2
	08-03-2022	47.6	54.2	32.4	41.8
	14-03-2022	46.7	51.4	34.8	44.3
	15-03-2022	42.4	52.4	37.7	43.5
	21-03-2022	45.9	54.3	35.4	41.5
	22-03-2022	47.2	52.5	33.2	43.7
	28-03-2022	43.1	50.7	36.4	42.6
	29-03-2022	48.3	52.1	30.6	42.9
Average		43.18	52.8	33.98	43.07

Project Name : M/s Gara Pelma Sector-III Coal Block,
At Bajramuda, Tehsil- Tamnar, District- Raigarh,
Chhattisgarh.

Testing Protocol/Method : As per CPCB/SPCB/ MoEF & CC/ IS-9989

Sampling Village : Village – Dholnara Office

Monitoring Period : October 2021 to March 2022

NOISE LEVEL MONITORING RESULTS

Month of Monitoring	Date	Day Time		Night Time	
		L-min	L-max	L-min	L-max
October 2021	03-10-2021	43.5	52.7	35.8	41.2
	04-10-2021	41.4	51.6	37.3	42.1
	10-10-2021	42.8	53.4	31.6	43.4
	11-10-2021	44.9	54.2	32.8	40.1
	17-10-2021	41.8	50.8	33.1	41.4
	18-10-2021	42.4	51.7	34.7	42.4
	24-10-2021	46.5	54.8	36.5	41.2
	25-10-2021	44.4	54.2	35.2	43.9

For GPIII CL



M Anand
Dy. Manager - Environment

ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMDC, CSPGCL
GHARGHODA

	31-10-2021	43.2	53.3	34.8	44.2
November 2021	01-11-2021	42.2	52.7	32.8	43.6
	07-11-2021	45.5	53.5	35.3	44.6
	08-11-2021	44.7	50.7	30.7	41.2
	14-11-2021	40.1	51.6	33.5	42.7
	15-11-2021	42.2	53.8	35.2	43.8
	21-11-2021	41.9	52.3	31.6	40.7
	22-11-2021	43.4	54.4	32.4	43.8
	28-11-2021	41.3	50.3	34.8	44.3
	29-11-2021	44.3	54.8	35.6	44.9

Month of Monitoring	Date	Day Time		Night Time	
		L-min	L-max	L-min	L-max
December 2021	06-12-2021	44.8	52.6	31.2	41.9
	07-12-2021	46.7	54.1	36.3	44.8
	13-12-2021	42.2	52.4	34.6	43.7
	14-12-2021	41.6	51.6	37.5	44.2
	20-12-2021	40.8	50.8	32.7	42.1
	21-12-2021	43.4	51.1	35.1	44.5
	27-12-2021	42.2	50.7	33.8	43.6
	28-12-2021	44.5	53.4	34.1	43.2
January 2022	06-01-2022	44.3	54.6	31.7	41.4
	07-01-2022	41.8	51.5	32.7	42.3
	13-01-2022	42.6	54.4	33.5	43.7
	14-01-2022	43.2	53.2	34.6	43.8
	20-01-2022	45.7	44.6	36.4	44.5
	21-01-2022	43.8	52.9	32.2	42.7

For GPIII CL



M Anand
Dy. Manager - Environment

ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMD, CSPGCL
GHARGHODA

	27-01-2022	45.4	54.4	34.5	44.4
	28-01-2022	41.6	52.8	32.8	43.6

Month of Monitoring	Date	Day Time		Night Time	
		L-min	L-max	L-min	L-max
February 2022	05-02-2022	40.3	51.7	37.9	44.1
	07-02-2022	41.7	52.3	31.5	41.8
	12-02-2022	42.8	53.4	30.9	40.7
	14-02-2022	45.7	54.3	32.8	42.5
	19-02-2022	40.1	50.9	35.1	44.2
	21-02-2022	45.4	54.2	33.5	43.5
	26-02-2022	42.3	51.4	31.1	42.6
	28-02-2022	43.5	52.7	34.5	43.5
March 2022	01-03-2022	43.1	54.6	38.4	42.2
	02-03-2022	47.5	53.4	35.2	43.1
	07-03-2022	45.2	53.1	36.3	44.3
	08-03-2022	40.5	50.4	39.2	42.5
	14-03-2022	46.4	52.2	37.7	43.2
	15-03-2022	42.5	54.1	37.8	44.3
	21-03-2022	46.8	53.7	34.7	44.1
	22-03-2022	45.6	53.6	35.2	42.5
	28-03-2022	42.7	51.3	33.8	44.2
	29-03-2022	46.1	54.2	34.7	41.3
Average		43.45	52.64	34.38	43.05

For GPIII CL



M Anand
Dy. Manager - Environment

ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civ) CMDC, CSPGCL
GHARGHODA

SURFACE WATER QUALITY MONITORING AT KELO RIVER UPSTREAM AND DOWNSTREAM

Month	pH (at 25 °C)	Turbidity	Total Hardness as CaCO ₃	Calcium as Ca	Alkalinity as CaCO ₃	Chloride as Cl	Magnesium as Mg	Total Dissolved Solids	Total Suspended solids	Dissolved Oxygen
Unit		NTU	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Desirable limit	6.5-8.5	1	200	75	200	250	30	500		
Limit in the absence of Alternate Source	No relaxation	5	600	200	600	1000	100	2000		
November 2021	7.55	20.25	254.5	69.94	199.1	50.77	19.44	386.25	32.14	6.85
January 2022	7.52	22	238	66.98	197.88	50.77	17.23	369.5	30.95	6.48

Month	Sulphate as SO ₄	Fluoride as F	COD	Conductivity	Nitrate as NO ₃	Sodium as Na	Potassium as K	Iron as Fe	Boron	Zinc as Zn	Copper as Cu	Total Coliform	Fecal Coliform
Unit	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	MPN/100ml	MPN/100ml
Desirable limit	200	1			45			0.3	0.5	5	0.05		
Limit in the absence of Alternate Source	400	1.5			No relaxation			No relaxation	1	15	1.5		

For GPIII CL



M Anand
Dy. Manager - Environment


ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMD, CSFGCL
GHARGHODA

November 2021	25.04	1.39	22.48	643.75	14.95	30.31	9.03	0.31	0.32	0.36	0.22	548.75	329.5
January 2022	22.22	1.32	23.8	616	13.99	28.05	8.56	0.29	0.3	0.33	0.19	497.75	300

GROUND WATER QUALITY MONITORING

Month	pH (at 25 °C)	Total Hardness as CaCO ₃	Calcium as Cu	Alkalinity as CaCO ₃	Chloride as Cl	Magnesium as Mg	Total Dissolved Solids	Sulphate as SO ₄	Fluoride as F	Nitrate as NO ₃	Iron as Fe	Zinc as Zn	Copper as Cu
Unit		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Desirable limit	6.5 to 8.5	200	75	200	250	30	500	200	1	45	0.3	5	0.05
Limit in the absence of Alternate Source	No relaxation	600	200	600	1000	100	2000	400	1.5	No relaxation	No relaxation	15	15
November 2021	7.51	137.8	43.05	101.65	33.08	7.38	204.1	9.79	0.33	7.02	0.16	0.17	0.11
January 2022	7.49	121.18	38.53	97.19	30.44	6.09	198.9	9.26	0.32	6.81	0.16	0.19	0.11

For GPIII CL



M Anand
Dy. Manager - Environment

A.F.
ASSISTANT MANAGER
(ENVIRONMENT)
O/o SE (Civil) CMDC, CSPGCL
GHARGHODA

For GPIII CL



M Anand
Dy. Manager - Environment

For GPIII CL



M Anand
Dy. Manager - Environment