

ANNEXURE-VI

BLOCK NAME-LAMER-PANGA BLOCK-A (G-3) GRAPHITE BLOCK <u>Summerized Litholog</u>	
Borehole No. :LPA/G3/01	Date of commencement :05.02.2024
Latitude : 20°04'45.988"	Date of closing :10.03.2024
Longitude : 83°29'16.451"	Azimuth : 320°
RL of collar (m) : 270.607	Rig No. : DYNA-35-01
Inclination angle of borehole : 45°	Size of core: HQ3
Total Depth (m) :50.00	Type of drilling: Wet(Triple tube)
Casing Depth (m) :5.85	Drilling Agency : Mining Associates Private Limited

DRILL RUN DETAILS					Rock Description	CHEMICAL ANALYSIS RESULTS			
From (m)	To (m)	Length (m)	Rec. Length (m)	Rec. (%)		Fixed Carbon %	Volatile Matter (%)	Ash %	Moisture (%)
0.00	3.50	3.50	1.43	40.86	Granite gneiss	0.03	3.48	95.20	1.29
3.50	4.00	0.50	0.00	0.00	Core loss				
4.00	15.10	11.10	9.89	89.10	Granite gneiss	0.12	2.76	96.05	1.07
15.10	21.60	6.50	6.16	94.77	Graphite bearing granite gneiss	2.70	4.04	91.33	1.94
21.60	27.80	6.20	6.04	97.39	Graphite bearing granite gneiss	6.84	4.10	88.00	1.06
27.80	29.10	1.30	1.26	96.92	Granite gneiss	0.27	0.95	98.40	0.38
29.10	30.73	1.63	1.56	95.71	Graphite bearing granite gneiss	8.70	3.69	86.78	0.83
30.73	31.50	0.77	0.74	96.10	Granite gneiss	0.23	2.49	96.61	0.67
31.50	33.00	1.50	1.47	98.00	Graphite bearing granite gneiss	2.16	2.18	95.13	0.53
33.00	37.30	4.30	4.01	93.23	Graphite bearing granite gneiss	11.58	4.00	82.83	1.59
37.30	44.30	7.00	6.83	97.57	Granite gneiss	0.52	1.25	96.86	1.38
44.30	45.70	1.40	1.34	95.71	Graphite bearing granite gneiss	2.51	3.87	91.72	1.90
45.70	50.00	4.30	4.20	97.67	Graphite bearing granite gneiss	7.13	3.43	88.66	0.78
Borehole closed at 50.00 m									

Notes: On the basis of the containing of FC% the graphite bearing rocks are divided into two ranges i.e. (2 -5)% and above 5% FC.

Logged by: Bhupati Kumar Nayak

BLOCK NAME-LAMER-PANGA BLOCK-A (G-3) GRAPHITE BLOCK <u>Summerized Litholog</u>	
Borehole No. :LPA/G3/02	Date of commencement : 20.04.2024
Latitude : 20°04'52.006"	Date of closing : 01.05.2024
Longitude : 83°29'19.342"	Azimuth : 320°
RL of collar (m) : 268.186	Rig No. : DYNA-50-CR-01
Inclination angle of borehole: 45°	Size of core: HQ3
Total Depth (m) :50.00	Type of drilling: Wet(Trippl tube)
Casing Depth (m) :2.80	Drilling Agency : Mining Associates Private Limited

DRILL RUN DETAILS					Rock Description	CHEMICAL ANALYSIS RESULTS			
From (m)	To (m)	Length (m)	Rec. Length (m)	Rec. (%)		Fixed Carbon %	Volatile matters (%)	Ash %	Moisture (%)
0.00	1.00	1.00	0.34	34.00	Granite gneiss	0.07	4.98	92.83	2.12
1.00	2.00	1.00	0.80	80.00	Graphitic schist	1.01	6.02	90.96	2.00
2.00	3.00	1.00	0.60	60.00	Graphite bearing granite gneiss	3.03	7.60	86.73	2.64
3.00	5.20	2.20	0.75	34.09	Granite gneiss	0.88	6.50	89.27	3.35
5.20	9.70	4.50	3.33	74.00	Graphite bearing granite gneiss	4.41	5.74	86.03	3.82
9.70	11.70	2.00	0.46	23.00	Graphitic schist	1.43	3.16	93.04	2.37
11.70	16.30	4.60	3.09	67.17	Granite gneiss	0.68	5.18	91.91	2.23
16.30	24.10	7.80	7.57	97.05	Graphite bearing granite gneiss	8.62	5.40	83.64	2.34
24.10	26.80	2.70	2.29	84.81	Graphite bearing granite gneiss	2.97	8.72	81.80	6.52
26.80	44.60	17.80	16.27	91.40	Graphite bearing granite gneiss	5.84	6.37	84.78	3.00
44.60	45.60	1.00	0.97	97.00	Granite gneiss	0.96	6.38	88.70	3.96
45.60	50.00	4.40	4.19	95.23	Graphite bearing granite gneiss	3.62	4.12	90.82	1.44
Borehole closed at 50.00 m									

Notes: On the basis of the containing of FC% the graphite bearing rocks are divided into two ranges i.e. (2 -5)% and above 5% FC.

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BLOCK NAME-LAMER-PANGA BLOCK-A (G-3) GRAPHITE BLOCK <u>Summerized Litholog</u>	
Borehole No. :LPA/G3/03	Date of commencement : 08.02.2024
Latitude : 20°05'5.619"	Date of closing : 15.02.2024
Longitude : 83°29'33.909"	Azimuth : 310°
RL of collar (m) : 288.246	Rig No. : DYNA-35-02
Inclination angle of borehole : 50°	Size of core: HQ3
Total Depth (m) :35.00	Type of drilling: Wet(Triple tube)
Casing Depth (m) :3.00	Drilling Agency : Mining Associates Private Limited

DRILL RUN DETAILS					Rock Description	CHEMICAL ANALYSIS RESULTS			
From (m)	To (m)	Length (m)	Rec. Length (m)	Rec. (%)		Fixed Carbon %	Volatile Matter (%)	Ash %	Moisture (%)
0.00	35.00	35.00	32.89	93.97	Granite gneiss	0.19	0.81	98.79	0.22
Borehole closed at 35.00 m									

Logged by: Bhupati Kumar Nayak

BLOCK NAME-LAMER-PANGA BLOCK-A (G-3) GRAPHITE BLOCK <u>Summerized Litholog</u>	
Borehole No. :LPA/G3/04	Date of commencement : 01.04.2024
Latitude : 20°05'0.734"	Date of closing : 07.04.2024
Longitude : 83°29'29.694"	Azimuth : 310°
RL of collar (m) : 320.371	Rig No. : DYNA-50-CR-01
Inclination angle of borehole : 45°	Size of core: HQ3
Total Depth (m) :35.00	Type of drilling: Wet(Triple tube)
Casing Depth (m) :3.80	Drilling Agency : Mining Associates Private Limited

DRILL RUN DETAILS					Rock Description	CHEMICAL ANALYSIS RESULTS			
From (m)	To (m)	Length (m)	Rec. Length (m)	Rec. (%)		Fixed Carbon %	Volatile Matter (%)	Ash %	Moisture (%)
0.00	35.00	35.00	31.96	91.31	Granite gneiss	0.09	1.03	98.19	0.69
Borehole closed at 35.00 m									

Logged by: Bhupati Kumar Nayak

BLOCK NAME-LAMER-PANGA BLOCK-A (G-3) GRAPHITE BLOCK <u>Summerized Litholog</u>	
Borehole No. :LPA/G3/05	Date of commencement : 07.02.2024
Latitude : 20°04'35.31"	Date of closing : 06.04.2024
Longitude : 83°29'06.503"	Azimuth : 310°
RL of collar (m) : 306.985	Rig No. : DYNA-35-01
Inclination angle of borehole : 50°	Size of core: HQ3
Total Depth (m) :60.00	Type of drilling: Wet(Triple tube)
Casing Depth (m) :3.75	Drilling Agency : Mining Associates Private Limited

DRILL RUN DETAILS					Rock Description	CHEMICAL ANALYSIS RESULTS			
From (m)	To (m)	Length (m)	Rec. Length (m)	Rec. (%)		Fixed Carbon %	Volatile Matter (%)	Ash %	Moisture (%)
0.00	1.10	1.10	0.50	45.45	Granite gneiss	0.92	4.26	93.06	1.77
1.10	6.60	5.50	3.17	57.64	Graphite bearing granite gneiss	9.60	4.35	75.64	1.32
6.60	10.60	4.00	2.91	72.75	Graphite bearing granite gneiss	2.42	3.40	92.59	1.59
10.60	12.10	1.50	1.10	73.33	Granite gneiss	0.18	6.38	90.50	2.94
12.10	13.60	1.50	1.32	88.00	Graphite bearing granite gneiss	11.78	3.56	83.05	1.60
13.60	16.86	3.26	2.69	82.52	Graphitic schist	1.28	2.14	95.07	1.51
16.86	20.45	3.59	2.80	77.99	Graphite bearing granite gneiss	9.54	3.54	85.27	1.65
20.45	22.60	2.15	1.87	86.98	Graphitic schist	1.25	3.15	93.94	1.66
22.60	39.30	16.70	15.50	92.81	Graphite bearing granite gneiss	13.58	3.11	82.26	1.04
39.30	41.00	1.70	1.63	95.88	Graphitic schist	1.34	1.18	97.11	0.37
41.00	60.00	19.00	18.37	96.68	Graphite bearing granite gneiss	10.62	2.85	85.70	0.83
Borehole closed at 60.00 m									

Notes: On the basis of the containing of FC% the graphite bearing rocks are divided into two ranges i.e. (2 -5)% and above 5% FC.

Logged by: Bhupati Kumar Nayak

BLOCK NAME-LAMER-PANGA BLOCK-A (G-3) GRAPHITE BLOCK <u>Summerized Litholog</u>	
Borehole No. :LPA/G3/06	Date of commencement : 10.02.2024
Latitude : 20°04'41.889"	Date of closing : 03.04.2024
Longitude : 83°29'11.172"	Azimuth : 310°
RL of collar (m) : 279.961	Rig No. : DYNA-35-02
Inclination angle of borehole : 50°	Size of core: HQ3
Total Depth (m) :45.00	Type of drilling: Wet(Triple tube)
Casing Depth (m) :3.50	Drilling Agency : Mining Associates Private Limited

DRILL RUN DETAILS					Rock Description	CHEMICAL ANALYSIS RESULTS			
From (m)	To (m)	Length (m)	Rec. Length (m)	Rec. (%)		Fixed Carbon %	Volatile Matter (%)	Ash %	Moisture (%)
0.00	2.20	2.20	0.58	26.36	Granite gneiss	0.47	5.38	92.27	1.87
2.20	3.60	1.40	0.60	42.86	Graphite bearing granite gneiss	3.34	5.08	90.04	1.54
3.60	18.79	15.19	13.55	89.20	Granite gneiss	0.22	1.48	97.74	0.56
18.79	24.10	5.31	4.79	90.21	Graphite bearing granite gneiss	3.22	6.30	88.10	2.38
24.10	25.10	1.00	0.81	81.00	Granite gneiss	0.24	2.74	95.23	1.79
25.10	26.05	0.95	0.85	89.47	Graphite bearing granite gneiss	3.45	3.26	91.15	2.15
26.05	27.85	1.80	1.47	81.67	Granite gneiss	0.08	1.70	97.24	0.99
27.85	42.85	15.00	13.20	87.99	Graphite bearing granite gneiss	3.16	3.78	91.47	1.59
42.85	45.00	2.15	1.78	82.56	Graphite bearing granite gneiss	5.63	4.31	88.24	1.81
Borehole closed at 45.00 m									

Notes: On the basis of the containing of FC% the graphite bearing rocks are divided into two ranges i.e. (2 -5)% and above 5% FC.

Logged by: Bhupati Kumar Nayak

BLOCK NAME-LAMER-PANGA BLOCK-A (G-3) GRAPHITE BLOCK <u>Summerized Litholog</u>	
Borehole No. :LPA/G3/07	Date of commencement : 09.04.2024
Latitude : 20°05'32.538"	Date of closing : 16.04.2024
Longitude : 83°28'58.792"	Azimuth : 310°
RL of collar (m) : 305.257	Rig No. : DYNA-50-CR-01
Inclination angle of borehole : 45°	Size of core: HQ3
Total Depth (m) : 35.00	Type of drilling: Wet(Trippl tube)
Casing Depth (m) : 8.50	Drilling Agency : Mining Associates Private Limited

DRILL RUN DETAILS					Rock Description	CHEMICAL ANALYSIS RESULTS			
From (m)	To (m)	Length (m)	Rec. Length (m)	Rec. (%)		Fixed Carbon %	Volatile Matter (%)	Ash %	Moisture (%)
0.00	1.50	1.50	0.00	0.00	Core loss				
1.50	5.50	4.00	3.12	78.00	Graphitic schist	1.47	4.02	92.45	2.07
5.50	8.00	2.50	2.24	89.60	Granite gneiss	0.40	3.37	94.44	1.80
8.00	12.10	4.10	3.61	88.05	Graphitic schist	1.53	2.95	93.49	2.03
12.10	15.20	3.10	2.54	81.94	Graphite bearing granite gneiss	6.83	3.82	87.08	2.26
15.20	17.10	1.90	1.34	70.53	Granite gneiss	0.43	3.28	95.21	1.09
17.10	18.10	1.00	0.97	97.00	Graphitic schist	1.72	5.11	91.00	2.18
18.10	29.50	11.40	9.16	80.35	Granite gneiss	0.34	1.03	98.11	0.52
29.50	30.50	1.00	0.93	93.00	Graphitic schist	1.06	3.56	94.36	1.02
30.50	32.00	1.50	1.41	94.00	Granite gneiss	0.73	4.19	93.28	1.80
32.00	33.00	1.00	0.60	60.00	Graphitic schist	1.07	3.70	93.76	1.47
33.00	35.00	2.00	1.47	73.50	Granite gneiss	0.69	4.24	92.85	2.22
Borehole closed at 35.00 m									

Notes: On the basis of the containing of FC% the graphite bearing rocks are devided into two ranges i.e. (2 -5)% and above 5% FC.



Logged by: Bhupati Kumar Nayak

BLOCK NAME-LAMER-PANGA BLOCK-A (G-3) GRAPHITE BLOCK <u>Summerized Litholog</u>	
Borehole No. :LPA/G3/08	Date of commencement : 05.04.2024
Latitude : 20°05'27.376"	Date of closing : 11.04.2024
Longitude : 83°28'53.65"	Azimuth : 310°
RL of collar (m) : 284.657	Rig No. : DYNA-35-02
Inclination angle of borehole : 45°	Size of core: HQ3
Total Depth (m) :35.00	Type of drilling: Wet(Triple tube)
Casing Depth (m) :5.90	Drilling Agency : Mining Associates Private Limited

DRILL RUN DETAILS					Rock Description	CHEMICAL ANALYSIS RESULTS			
From (m)	To (m)	Length (m)	Rec. Length (m)	Rec. (%)		Fixed Carbon %	Volatile Matter (%)	Ash %	Moisture (%)
0.00	24.00	24.00	19.39	80.79	Granite gneiss	0.10	3.69	94.14	2.06
24.00	24.50	0.50	0.00	0.00	Core loss				
24.50	35.00	10.50	8.92	84.95	Charnockite	0.18	3.00	94.86	1.96
Borehole closed at 35.00 m									

Logged by: Bhupati Kumar Nayak

BLOCK NAME-LAMER-PANGA BLOCK-A (G-3) GRAPHITE BLOCK <u>Summerized Litholog</u>	
Borehole No. :LPA/G3/09	Date of commencement : 08.04.2024
Latitude : 20°05'37.292"	Date of closing : 13.04.2024
Longitude : 83°29'2.782"	Azimuth : 310°
RL of collar (m) : 323.254	Rig No. : DYNA-35-01
Inclination angle of borehole : 45°	Size of core: HQ3
Total Depth (m) :35.00	Type of drilling: Wet(Triple tube)
Casing Depth (m) : 6.30	Drilling Agency : Mining Associates Private Limited

DRILL RUN DETAILS					Rock Description	CHEMICAL ANALYSIS RESULTS			
From (m)	To (m)	Length (m)	Rec. Length (m)	Rec. (%)		Fixed Carbon %	Volatile Matter (%)	Ash %	Moisture (%)
0.00	17.40	17.40	15.06	86.55	Granite gneiss	0.35	2.99	95.04	1.62
17.40	18.40	1.00	0.97	97.00	Graphitic schist	1.30	5.43	88.24	5.02
18.40	22.40	4.00	3.77	94.25	Graphite bearing granite gneiss	2.43	5.56	88.69	3.33
22.40	35.00	12.60	12.31	97.70	Granite gneiss	0.78	2.15	95.74	1.33
Borehole closed at 35.00 m									

Notes: On the basis of the containing of FC% the graphite bearing rocks are divided into two ranges i.e. (2 -5)% and above 5% FC.

Logged by: Bhupati Kumar Nayak

BLOCK NAME-LAMER-PANGA BLOCK-A (G-3) GRAPHITE BLOCK <u>Summerized Litholog</u>	
Borehole No. :LPA/G3/10	Date of commencement : 21.02.2024
Latitude : 20°04'54.364"	Date of closing : 05.04.2024
Longitude : 83°29'22.780"	Azimuth : 310°
RL of collar (m) : 316.993	Rig No. : DYNA-50H-01
Inclination angle of borehole : 50°	Size of core: HQ3
Total Depth (m) :115.00	Type of drilling: Wet(Triple tube)
Casing Depth (m) : 3.00	Drilling Agency : Mining Associates Private Limited

DRILL RUN DETAILS					Rock Description	CHEMICAL ANALYSIS RESULTS			
From (m)	To (m)	Length (m)	Rec. Length (m)	Rec. (%)		Fixed Carbon %	Volatile Matter (%)	Ash %	Moisture (%)
0.00	2.30	2.30	1.88	81.74	Granite gneiss	0.50	8.14	87.36	4.00
2.30	3.20	0.90	0.83	92.22	Graphite bearing granite gneiss	3.77	5.34	89.40	1.49
3.20	5.55	2.35	1.97	83.83	Charnockite	0.09	1.91	96.20	1.80
5.55	6.30	0.75	0.61	81.33	Graphite bearing granite gneiss	3.15	4.11	91.00	1.74
6.30	7.20	0.90	0.82	91.11	Charnockite	0.05	2.93	94.90	2.12
7.20	9.20	2.00	1.9	95.00	Graphite bearing granite gneiss	6.49	5.43	85.35	2.74
9.20	16.80	7.60	7.17	94.34	Graphite bearing granite gneiss	2.92	3.98	91.20	1.90
16.80	19.80	3.00	2.97	99.00	Charnockite	0.43	0.73	98.40	0.44
19.80	22.80	3.00	2.95	98.33	Graphitic schist	1.10	1.96	96.20	0.74
22.80	25.80	3.00	2.94	98.00	Graphite bearing granite gneiss	3.34	3.18	92.05	1.44
25.80	27.50	1.70	1.65	97.06	Graphite bearing granite gneiss	6.47	3.35	88.96	1.22
27.50	33.50	6.00	5.76	96.00	Graphite bearing granite gneiss	2.91	3.89	91.85	1.35
33.50	34.50	1.00	0.98	98.00	Graphitic schist	1.58	1.87	95.96	0.60
34.50	35.50	1.00	0.97	97.00	Granite gneiss	0.23	0.72	98.58	0.46
35.50	37.10	1.60	1.43	89.37	Graphite bearing granite gneiss	5.59	3.07	90.54	0.80
37.10	39.10	2.00	1.92	96.00	Granite gneiss	0.49	0.29	99.07	0.15

39.10	69.20	30.10	29.32	97.41	Graphite bearing granite gneiss	6.68	3.77	88.57	0.99
69.20	70.50	1.30	1.27	97.69	Granite gneiss	0.95	1.66	97.10	0.29
70.50	71.50	1.00	0.98	98.00	Graphite bearing granite gneiss	4.79	2.19	92.80	0.22
71.50	109.00	37.50	36.24	96.64	Graphite bearing granite gneiss	7.74	2.57	89.04	0.65
109.00	112.20	3.20	3.12	97.50	Granite gneiss	0.14	0.94	98.44	0.47
112.20	115.00	2.80	2.77	98.93	Graphite bearing granite gneiss	2.31	3.00	93.80	0.89
Borehole closed at 115.00 m									

Notes: On the basis of the containing of FC% the graphite bearing rocks are divided into two ranges i.e. (2 -5)% and above 5% FC.

Logged by: Bhupati Kumar Nayak

BLOCK NAME-LAMER-PANGA BLOCK-A (G-3) GRAPHITE BLOCK <u>Summerized Litholog</u>	
Borehole No. :LPA/G3/11	Date of commencement : 15.04.2024
Latitude : 20°05'33.292"	Date of closing : 01.05.2024
Longitude : 83°29'07.649"	Azimuth : 310°
RL of collar (m) : 369.934	Rig No. : DYNA-35-01
Inclination angle of borehole : 55°	Size of core: HQ3 and NQ3
Total Depth (m) :77.00	Type of drilling: Wet(Tripple tube)
Casing Depth (m) :22.00	Drilling Agency : Mining Associates Private Limited

DRILL RUN DETAILS					Rock Description	CHEMICAL ANALYSIS RESULTS			
From (m)	To (m)	Length (m)	Rec. Length (m)	Rec. (%)		Fixed Carbon %	Volatile Matter (%)	Ash %	Moisture (%)
0.00	3.20	3.20	1.46	45.63	Soil	0.07	6.09	89.96	3.88
3.20	19.90	16.70	14.61	87.49	Granite gneiss	0.20	1.92	96.24	1.64
19.90	20.50	0.60	0.58	96.67	Graphite bearing granite gneiss	2.31	5.37	88.48	3.84
20.50	22.30	1.80	1.67	92.78	Granite gneiss	0.06	1.05	98.05	0.84
22.30	25.50	3.20	3.07	95.94	Graphite bearing granite gneiss	5.93	3.51	88.56	2.00
25.50	30.50	5.00	4.68	93.60	Granite gneiss	0.13	1.08	98.41	0.38
30.50	32.50	2.00	1.96	98.00	Graphite bearing granite gneiss	5.26	2.53	90.90	1.31
32.50	43.10	10.60	9.71	91.60	Granite gneiss	0.32	0.40	99.14	0.14
43.10	45.60	2.50	2.46	98.40	Graphite bearing granite gneiss	3.21	1.15	95.45	0.20
45.60	47.80	2.20	2.08	94.55	Granite gneiss	0.52	0.51	98.71	0.26
47.80	48.80	1.00	0.97	97.00	Graphite bearing granite gneiss	2.09	1.65	96.06	0.20
48.80	49.80	1.00	0.97	97.00	Granite gneiss	0.88	1.16	97.50	0.46
49.80	51.80	2.00	1.98	98.90	Graphite bearing granite gneiss	2.11	2.15	95.00	0.75
51.80	52.80	1.00	0.99	99.00	Graphite bearing granite gneiss	6.77	2.25	89.63	1.35
52.80	53.40	0.60	0.55	91.67	Graphitic schist	1.45	1.33	96.59	0.62
53.40	54.50	1.10	0.99	90.00	Granite gneiss	0.93	0.58	98.20	0.29
54.50	55.30	0.80	0.78	97.50	Graphite bearing granite gneiss	4.04	1.93	93.11	0.91
55.30	56.40	1.10	1.05	95.45	Granite gneiss	0.40	0.51	98.86	0.24

56.40	59.40	3.00	2.70	90.00	Graphite bearing granite gneiss	5.39	3.28	156.10	1.89
59.40	61.40	2.00	1.85	92.50	Graphitic schist	1.63	1.94	95.55	0.89
61.40	62.40	1.00	0.96	96.00	Granite gneiss	0.96	2.65	95.60	0.79
62.40	64.40	2.00	1.86	93.00	Graphitic schist	1.40	1.89	95.96	0.75
64.40	67.40	3.00	2.65	88.33	Graphite bearing granite gneiss	3.48	2.87	92.13	1.52
67.40	71.70	4.30	4.04	93.95	Graphitic schist	1.24	3.00	94.70	1.06
71.70	73.90	2.20	2.07	94.09	Graphite bearing granite gneiss	2.98	3.40	92.30	1.32
73.90	75.00	1.10	1.05	95.45	Graphitic schist	1.43	3.83	93.30	1.44
75.00	77.00	2.00	1.66	83.00	Graphite bearing granite gneiss	2.40	5.21	90.30	2.10
Borehole closed at 77.00 m									

Notes: On the basis of the containing of FC% the graphite bearing rocks are divided into two ranges i.e. (2 -5)% and above 5% FC.



Logged by: Bhupati Kumar Nayak

BLOCK NAME-LAMER-PANGA BLOCK-A (G-3) GRAPHITE BLOCK <u>Summerized Litholog</u>	
Borehole No. :LPA/G3/12	Date of commencement : 20.04.2024
Latitude : 20°05'30.433"	Date of closing : 02.05.2024
Longitude : 83°29'01.417"	Azimuth : 310°
RL of collar (m) : 353.179	Rig No. : DYNA-35-02
Inclination angle of borehole : 60°	Size of core: HQ3
Total Depth (m) : 62.00	Type of drilling: Wet(Triple tube)
Casing Depth (m) : 3.00	Drilling Agency : Mining Associates Private Limited

DRILL RUN DETAILS					Rock Description	CHEMICAL ANALYSIS RESULTS			
From (m)	To (m)	Length (m)	Rec. Length (m)	Rec. (%)		Fixed Carbon %	Volatile Matter (%)	Ash %	Moisture (%)
0.00	5.10	5.10	3.78	74.12	Soil	0.24	3.22	94.51	2.03
5.10	7.70	2.60	2.28	87.69	Granite gneiss	0.40	0.93	97.88	0.79
7.70	8.10	0.40	0.35	87.50	Charnockite	0.24	0.30	99.15	0.31
8.10	11.50	3.40	3.05	89.71	Granite gneiss	0.08	1.23	98.18	0.51
11.50	14.50	3.00	2.82	94.00	Graphite bearing granite gneiss	8.32	3.11	86.97	1.60
14.50	17.10	2.60	2.34	90.00	Graphite bearing granite gneiss	2.67	4.24	91.08	2.00
17.10	18.60	1.50	1.33	88.67	Granite gneiss	0.53	2.20	96.07	1.21
18.60	19.60	1.00	0.97	97.00	Graphite bearing granite gneiss	5.01	3.98	88.60	2.41
19.60	22.20	2.60	2.50	96.15	Granite gneiss	0.66	2.72	95.23	1.39
22.20	23.30	1.10	1.08	98.18	Graphite bearing granite gneiss	4.60	4.71	88.00	2.69
23.30	24.00	0.70	0.68	97.14	Granite gneiss	0.23	1.33	97.80	0.64
24.00	30.60	6.60	6.33	95.91	Graphite bearing granite gneiss	6.26	3.84	88.25	1.65
30.60	33.00	2.40	2.29	95.42	Granite gneiss	0.40	2.87	94.65	2.08
33.00	35.00	2.00	1.89	94.50	Graphite bearing granite gneiss	3.65	5.12	89.02	2.22
35.00	36.50	1.50	1.38	92.00	Graphite bearing granite gneiss	14.32	4.17	80.04	1.47
36.50	37.60	1.10	0.93	84.55	Graphite bearing granite gneiss	2.73	5.16	90.54	1.57
37.60	41.80	4.20	3.74	89.05	Granite gneiss	0.97	4.56	91.99	2.48

41.80	51.00	9.20	8.72	94.78	Graphite bearing granite gneiss	2.86	4.79	89.35	3.01
51.00	51.60	0.60	0.53	88.33	Granite gneiss	0.14	1.62	95.87	2.37
51.60	54.40	2.80	2.66	95.00	Charnockite	0.06	0.42	98.92	0.60
54.40	57.00	2.60	2.10	80.77	Granite gneiss	0.04	1.30	96.99	1.66
57.00	61.00	4.00	3.72	93.00	Graphitic schist	1.70	4.04	92.53	1.74
61.00	62.00	1.00	0.95	95.00	Granite gneiss	0.09	0.33	98.68	0.91
Borehole closed at 62.00 m									

Notes: On the basis of the containing of FC% the graphite bearing rocks are divided into two ranges i.e. (2 -5)% and above 5% FC.



Logged by: Bhupati Kumar Nayak

BLOCK NAME-LAMER-PANGA BLOCK-A (G-3) GRAPHITE BLOCK <u>Summerized Litholog</u>	
Borehole No. :LPA/G3/13	Date of commencement : 12.04.2024
Latitude : 20°05'25.33"	Date of closing : 04.05.2024
Longitude : 83°28'56.878"	Azimuth : 310°
RL of collar (m) : 333.327	Rig No. : DYNA-50-CR-07
Inclination angle of borehole : 55°	Size of core: HQ3
Total Depth (m) :71.00	Type of drilling: Wet(Tripple tube)
Casing Depth (m) :4.00	Drilling Agency : Mining Associates Private Limited

DRILL RUN DETAILS					Rock Description	CHEMICAL ANALYSIS RESULTS			
From (m)	To (m)	Length (m)	Rec. Length (m)	Rec. (%)		Fixed Carbon %	Volatile Matter (%)	Ash %	Moisture (%)
0.00	3.90	3.90	2.22	56.92	Soil	0.12	3.64	94.30	1.94
3.90	17.80	13.90	12.43	89.42	Granite gneiss	0.12	3.68	94.38	1.82
17.80	18.80	1.00	0.96	96.00	Graphite bearing granite gneiss	3.56	3.51	91.50	1.43
18.80	20.80	2.00	1.86	93.00	Graphite bearing granite gneiss	5.08	6.10	86.70	2.13
20.80	29.80	9.00	8.66	96.22	Granite gneiss	0.41	1.85	96.98	0.76
29.80	31.10	1.30	1.16	89.23	Graphite bearing granite gneiss	3.48	5.16	89.30	2.06
31.10	32.10	1.00	0.98	98.00	Granite gneiss	0.70	3.98	93.20	2.12
32.10	33.10	1.00	0.92	92.00	Graphitic schist	1.44	4.37	91.80	2.39
33.10	34.00	0.90	0.88	97.78	Granite gneiss	0.54	3.22	94.70	1.54
34.00	35.00	1.00	0.99	99.00	Graphite bearing granite gneiss	2.02	5.95	89.10	2.93
35.00	36.00	1.00	0.88	88.00	Granite gneiss	0.22	1.81	97.00	0.97
36.00	38.00	2.00	1.73	86.50	Graphite bearing granite gneiss	2.85	4.76	89.40	3.00
38.00	44.60	6.60	5.96	90.30	Graphitic schist	1.44	3.30	93.72	1.54
44.60	47.50	2.90	2.70	93.10	Graphite bearing granite gneiss	2.05	5.39	90.97	1.59
47.50	49.40	1.90	1.82	95.79	Graphitic schist	1.00	5.94	89.53	3.53
49.40	53.80	4.40	4.23	96.14	Graphite bearing granite gneiss	7.16	5.93	84.57	2.33
53.80	55.00	1.20	1.09	90.83	Granite gneiss	0.75	5.47	90.80	2.98
55.00	58.00	3.00	2.81	93.67	Graphite bearing granite gneiss	5.65	5.87	86.07	2.42
58.00	59.60	1.60	1.53	95.62	Granite gneiss	0.98	4.40	91.79	2.83
59.60	60.60	1.00	0.95	95.00	Graphite bearing quartzite	2.31	5.19	89.90	2.60
60.60	62.00	1.40	1.32	94.29	Graphite bearing quartzite	5.54	4.94	87.19	2.33

62.00	64.00	2.00	1.85	92.50	Graphitic schist	1.31	5.11	90.95	2.64
64.00	65.00	1.00	0.95	95.00	Granite gneiss	0.68	5.11	91.80	2.41
65.00	66.00	1.00	0.94	94.00	Graphitic schist	1.86	5.37	89.10	3.67
66.00	67.00	1.00	0.95	95.00	Granite gneiss	0.72	4.26	92.20	2.82
67.00	68.00	1.00	0.96	96.00	Graphitic schist	1.46	5.95	89.50	3.09
68.00	71.00	3.00	1.81	60.33	Graphite bearing granite gneiss	2.35	6.08	88.93	2.64
Borehole closed at 71.00 m									

Notes: On the basis of the containing of FC% the graphite bearing rocks are devided into two ranges i.e. (2 -5)% and above 5% FC.

Logged by: Bhupati Kumar Nayak

BLOCK NAME-LAMER-PANGA BLOCK-A (G-3) GRAPHITE BLOCK	
<u>Summerized Litholog</u>	
Borehole No. :LPA/G3/14	Date of commencement : 08.02.2024
Latitude : 20°05'20.615"	Date of closing : 14.02.2024
Longitude : 83°28'52.244"	Azimuth : 310°
RL of collar (m) : 264.486	Rig No. : DYNA-50H-01
Inclination angle of borehole : 45°	Size of core: HQ3
Total Depth (m) :42.00	Type of drilling: Wet(Triple tube)
Casing Depth (m) :5.90	Drilling Agency : Mining Associates Private Limited

DRILL RUN DETAILS					Rock Description	CHEMICAL ANALYSIS			
From (m)	To (m)	Length (m)	Rec. Length (m)	Rec. (%)		Fixed Carbon %	Volatile Matter (%)	Ash %	Moisture (%)
0.00	11.30	11.30	9.67	85.58	Soil	0.20	5.73	89.49	4.58
11.30	15.80	4.50	3.77	83.78	Granite gneiss	0.10	2.66	94.43	2.80
15.80	17.80	2.00	1.80	90.00	Graphitic schist	1.54	5.01	88.15	5.31
17.80	19.80	2.00	1.77	88.50	Graphite bearing granite gneiss	3.05	5.01	87.30	4.64
19.80	21.30	1.50	1.13	75.33	Granite gneiss	0.22	5.63	90.50	3.65
21.30	36.90	15.60	14.29	91.60	Graphite bearing granite gneiss	2.54	5.44	89.98	2.05
36.90	38.00	1.10	1.07	97.27	Graphitic schist	1.25	2.99	94.41	1.36
38.00	42.00	4.00	3.84	96.00	Quartzite	0.15	1.20	97.88	0.77
Borehole closed at 42.00 m									

Notes: On the basis of the containing of FC% the graphite bearing rocks are divided into two ranges i.e. (2 -5)% and above 5% FC.

Logged by: Bhupati Kumar Nayak

BLOCK NAME-LAMER-PANGA BLOCK-A (G-3) GRAPHITE BLOCK <u>Summerized Litholog</u>	
Borehole No. :LPA/G3/15	Date of commencement : 05.02.2024
Latitude : 20°05'35.282"	Date of closing : 08.04.2024
Longitude : 83°29'05.939"	Azimuth : 310°
RL of collar (m) : 338.832	Rig No. : DYNA-50-CR-07
Inclination angle of borehole : 50°	Size of core: HQ3
Total Depth (m) :59.00	Type of drilling: Wet(Triple tube)
Casing Depth (m) :3.00	Drilling Agency : Mining Associates Private Limited

DRILL RUN DETAILS					Rock Description	CHEMICAL ANALYSIS RESULTS			
From (m)	To (m)	Length (m)	Rec. Length (m)	Rec. (%)		Fixed Carbon %	Volatile Matter (%)	Ash %	Moisture (%)
0.00	1.00	1.00	0.00	0.00	Core loss				
1.00	4.10	3.10	1.61	51.94	Soil	0.33	4.61	93.43	1.63
4.10	7.80	3.70	2.29	61.89	Granite gneiss	0.60	5.12	92.20	2.08
7.80	23.80	16.00	13.59	84.94	Graphite bearing granite gneiss	2.45	5.81	89.67	2.08
23.80	24.80	1.00	0.87	87.00	Graphitic schist	1.53	4.09	92.06	2.32
24.80	29.00	4.20	3.85	91.67	Granite gneiss	0.06	0.50	98.68	0.76
29.00	30.00	1.00	0.87	87.00	Graphite bearing granite gneiss	2.53	2.17	94.36	0.94
30.00	31.00	1.00	0.97	97.00	Graphite bearing granite gneiss	5.50	2.89	91.00	0.61
31.00	32.00	1.00	0.94	94.00	Graphite bearing granite gneiss	4.47	3.11	91.03	1.38
32.00	33.50	1.50	1.42	94.67	Graphitic schist	1.47	1.54	95.94	1.06
33.50	34.50	1.00	0.94	94.00	Graphite bearing granite gneiss	2.15	3.66	91.50	2.68
34.50	35.50	1.00	0.96	96.00	Graphite bearing granite gneiss	6.18	5.78	84.89	3.16
35.50	42.00	6.50	5.94	91.38	Graphite bearing granite gneiss	3.22	4.63	89.27	2.88
42.00	44.50	2.50	2.32	92.80	Graphite bearing granite gneiss	6.83	5.30	85.34	2.54
44.50	46.00	1.50	1.40	93.33	Graphite bearing granite gneiss	3.26	6.85	86.06	3.82
46.00	51.50	5.50	5.14	93.45	Graphite bearing granite gneiss	6.25	5.64	86.00	2.12
51.50	52.50	1.00	0.89	89.00	Graphite bearing granite gneiss	2.25	5.74	89.70	2.31
52.50	53.50	1.00	0.94	94.00	Graphite bearing granite gneiss	7.07	3.11	88.20	1.62
53.50	54.00	0.50	0.45	90.00	Graphite bearing granite gneiss	2.26	4.13	92.40	1.21
54.00	55.00	1.00	0.93	93.00	Graphitic schist	1.10	5.79	90.80	2.31
55.00	59.00	4.00	3.20	80.00	Granite gneiss	0.12	2.59	95.30	1.99
Borehole closed at 59.00 m									

Notes: On the basis of the containing of FC% the graphite bearing rocks are divided into two ranges i.e. (2 -5)% and above 5% FC.



Logged by: Bhupati Kumar Nayak

BLOCK NAME-LAMER-PANGA BLOCK-A (G-3) GRAPHITE BLOCK
Summerized Litholog

Borehole No. :LPA/G3/16	Date of commencement : 10.04.2024
Latitude : 20°05'15.575"	Date of closing : 18.04.2024
Longitude : 83°28'47.651"	Azimuth : 310°
RL of collar (m) : 245.134	Rig No. : DYNA-50-H-01
Inclination angle of borehole : 45°	Size of core: HQ3
Total Depth (m) :42.00	Type of drilling: Wet(Triple tube)
Casing Depth (m) : 3.00	Drilling Agency : Mining Associates Private Limited

DRILL RUN DETAILS					Rock Description	CHEMICAL ANALYSIS RESULTS			
From (m)	To (m)	Length (m)	Rec. Length (m)	Rec. (%)		Fixed Carbon %	Volatile Matter (%)	Ash %	Moisture (%)
0.00	2.00	2.00	1.34	67.00	Soil	0.06	5.88	91.40	2.66
2.00	4.40	2.40	1.54	64.17	Granite gneiss	0.07	3.02	95.12	1.79
4.40	10.40	6.00	5.68	94.67	Graphite bearing granite gneiss	2.81	4.67	90.05	2.47
10.40	21.60	11.20	10.48	93.57	Granite gneiss	0.30	2.79	95.50	1.41
21.60	22.60	1.00	0.97	97.00	Graphitic schist	1.42	3.94	93.30	1.34
22.60	25.60	3.00	2.87	95.67	Graphite bearing granite gneiss	3.51	4.68	90.23	1.58
25.60	29.00	3.40	2.97	87.35	Graphitic schist	1.39	3.01	93.93	1.67
29.00	30.00	1.00	0.91	91.00	Granite gneiss	0.42	3.37	95.70	0.51
30.00	31.00	1.00	0.90	90.00	Graphitic schist	1.57	5.98	91.60	0.85
31.00	32.00	1.00	0.89	89.00	Graphite bearing granite gneiss	3.98	4.89	89.50	1.63
32.00	33.00	1.00	0.82	82.00	Granite gneiss	0.88	3.57	94.60	0.95
33.00	34.00	1.00	0.94	94.00	Graphitic schist	1.12	2.87	94.70	1.31
34.00	37.00	3.00	2.84	94.67	Graphite bearing granite gneiss	4.21	4.51	89.93	1.35
37.00	42.00	5.00	4.62	92.40	Granite gneiss	0.31	2.00	97.02	0.67
Borehole closed at 42.00 m									

Notes: On the basis of the containing of FC% the graphite bearing rocks are divided into two ranges i.e. (2 -5)% and above 5% FC.



Logged by: Bhupati Kumar Nayak

BLOCK NAME-LAMER-PANGA BLOCK-A (G-3) GRAPHITE BLOCK <u>Summerized Litholog</u>	
Borehole No. :LPA/G3/17	Date of commencement : 22.04.2024
Latitude : 20°05'40.181"	Date of closing : 01.05.2024
Longitude : 83°29'10.319"	Azimuth : 310°
RL of collar (m) : 274.989	Rig No. : DYNA-50-H-01
Inclination angle of borehole : 45°	Size of core: HQ3
Total Depth (m) :35.00	Type of drilling: Wet(Triple tube)
Casing Depth (m) :3.00	Drilling Agency : Mining Associates Private Limited

DRILL RUN DETAILS					Rock Description	CHEMICAL ANALYSIS RESULTS			
From (m)	To (m)	Length (m)	Rec. Length (m)	Rec. (%)		Fixed Carbon %	Volatile Matter (%)	Ash %	Moisture (%)
0.00	0.40	0.40	0.00	0.00	Core loss				
0.40	6.80	6.40	5.00	78.13	Soil	0.16	7.06	89.10	3.68
6.80	10.80	4.00	3.36	84.00	Granite gneiss	0.35	4.48	93.90	1.27
10.80	14.80	4.00	3.74	93.50	Graphitic schist	1.21	6.41	87.90	4.48
14.80	35.00	20.20	18.07	89.46	Granite gneiss	0.53	4.45	92.58	2.44
Borehole closed at 35.00 m									

Logged by: Bhupati Kumar Nayak