

MCDR INSPECTION REPORT**General:**

Sl.No.	Particulars	Details
1	Name of the Mine	Gandabahali Graphite Mine
	Name of Inspecting Officer with Designation	Shri Sujit Kumar Jena, JMG
	Date of Inspection	12.12.2024
2	Total Lease Area(Ha) with breakup of Non- forest and forest land	Forest Land = Nil Non Forest Land = 20.234 Ha. Total Lease area = 20.234 Ha.
3	Mine code	28ORI24003
4	IBM Registration Number under rule 45 of MCDR,2017	IBM/4400/2011
5	Name of the Lessee, Address, Phone ,email and fax number	Sri Pramod Kumar Agrawal, Shantikunj, Farm Road, PO-Modipara, Dist.-Sambalpur-768002 (Odisha) Mail id.-pratysh_agi@hotmail.com Ph: (0663) 2403251, Fax-(0663) 2533374
6	Village	Gandabahali
7	Taluka / Mandal	Sinapali
8	District	Nuapada
9	Pin code	766118
10	State	Odisha
11	Post office	Sinapali
12	Nearest Police station	Sinapali
13	Nearest Railways Station	Kantabanji
14	Date of Grant of Mining lease	25.08.1997
15	Date of Execution	04.10.1997
16	Date of opening of mine	11.10.1997
17	Date of expiry	03.10.2017
18	Name of Nominated Owner with Address, phone email fax number and date appointment	Sri Pramod Kumar Agrawal, Shantikunj, Farm Road, PO-Modipara, Dist.-Sambalpur-768002 (Odisha) Mail id.-pratysh_agi@hotmail.com Ph: (0663) 2403251, Fax-(0663) 2533374
19	Name of the mine Agent with Address, Phone email, fax number and date of appointment	Subash Chandra Jayasingh Shantikunj, Farm Road, PO-Modipara, Dist.-Sambalpur-768002 Mail id.-jaisingh_agi@hotmail.com Mob: 9437345854
20	Name of the Mines Manager with Address, Phone email fax number and Date of appointment in Mines	Sri Binay Kumar Nayak, Gandabahali Graphite Mine, PO- Gandabahali, P.S. Sinapali, Dist.-Nuapada Date of Appointment: 31.03.2021 Mob: 8895579651
21	Name of the Mining Engineer, Qualification And total experience with Address, phone, Email fax number and date of appointment in	Sri Binay Kumar Nayak, Gandabahali Graphite Mine, PO- Gandabahali, P.S. Sinapali, Dist.-Nuapada

	mine	Date of Appointment: 31.03.2021 Mob: 8895579651
22	Name of the Geologist, Qualification And total experience with Address, phone, Email fax number and date of appointment in mine	Bikram Keshari Sahoo, Msc. Geology PO- Gandabahali, P.S. Sinapali, Dist. Nuapada. Mobile No-9937771817, E-mail bikramkesharisahoo534@gmail.com Date of Appointment: 28.08.2021
23	Date of Approval of Review of Mining Plan /Modified Mining Plan with five –Year period and specific condition in approval letter, if any	16.12.2019 (Review of mining plan) 2020-21 to 2024-25
24	Mineral(s) granted in lease and approved for mining	Graphite
25	Method of Mining (opencast Underground)	Opencast
26	Category (Full Mechanized, others or Manual)	OTFM
27	Captive /Non Captive	Non-Captive
28	Present EC Capacity	11520 MT

Exploration :--

Sl.No	Items	Proposals FY 2023-24	Actual work	Remarks
1a	Backlog of previous year (2021-22)	18	Nil	
1b	Exploration over lease Area for Geological axis 1 or 2.	Nil	Nil	
1c	Exploration agency & Expenditure in Lakh Rupees during the year	Self	Nil	
1d	Balance area to be explored to bring Geological axis 1 or 2	Nil	Nil	
1e	Balance reserves as on 01.04.2024	88,735	Nil	Mineral Reserve- 82334 MT Remaining Resource - 6401 MT Total = 88735 MT
				Mining Operation has stopped from October 2017 due to want of Renewal.

Development :---

Sl.No.	Items	Proposals FY 2023-24	Actual work	Remarks
2a	Location of development w.r.t lease area	2228305N, 678441E to 2228026N, 678305E	Nil	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Separate benches in topsoil, overburden and mineral	Nil	
2c	Striping ration or ore to OB ratio	1:5.3	Nil	
2d	Quantity of top soil	Nil	Nil	

	generation in m ³			
2e	Quantity of overburden generation in m ³	61656	Nil	
				Mining Operation has stopped from October 2017 due to want of Renewal.

Exploitation :--

Sl.No.	Item	Proposals FY 2023-24	Actual work	Remarks
3a	Number of pits proposed for production	1	Nil	
3b	Quantity of ROM mineral production proposed	11520	Nil	
3c	Recovery of saleable/usable mineral from ROM production	NA	Nil	
3d	Quantity of mineral reject generation	1713	Nil	
3e	Grade of mineral reject generation and threshold value declared	Cut of grade 5% Threshold value 2%	Nil	
3f	Quantity of sub-grade mineral generation	1713	Nil	
3g	Grade of sub-grade mineral generation	Cut of grade 5% Threshold value 2%	Nil	
3h	Manual/Mechanized method adopted for segregating from ROM	Semi-Mechanised	Nil	
3i	Any analysis or beneficiation study proposed & carried out for sub-grademineral and reject	Nil	Nil	
3j	Provision of drilling & blasting in mineral benches	Nil	Nil	
3k	Provision of mining machineries in mineral benches	Shovel and Dumper Combination Proposed	Nil	
3l	Where height of the benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Nil	
3m	Total area covered under excavation/pits	7.821	Nil	
3n	Ore to OB ratio for the pit/mine during the year	1:5.3	Nil	
3o	Total area put in use under different heads at the end of year	Pit-7.524 MS-1.969 Dump-2.948	Nil	
3p	Production of ROM mineral during the last five year period as applicable	2019-20 = 11520 2020-21 = 11520 2021-22 = 11520	Nil	

		2022-23 = 11520 2023-24 = 11520		
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Solid Waste Management Dumping :--

Sl.No.	Item	Proposals FY 2023-24	Actual work	Remarks
4a	Separate dumping of top soil, OB & Mineral reject (Rule 32,33).	Separate dumping of top soil, OB & Mineral reject.	Nil	
4b	Location of Topsoil, OB & mineral reject dumps	OB-2227826N-2228256N to 678318E-678536E Ore-2228307N-2228397 to 678328E-678371E	Nil	
4c	Number of dumps within lease area and out side lease area	1	Nil	
4d	Location of dumps w.r.t ultimate pit limit (Rule 16)	OB-2227826N-2228256N to 678318E-678536E	Nil	
4e	Number of active & alive dumps	1	Nil	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilized	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Yes	Nil	
4i	Length of Retaining wall or garland drain all along dump	440x1.5x1.5m	Nil	
4j	Number of settling ponds	1	Nil	

Solid Waste Management –Backfilling :

Sl.No.	Item	Proposals FY 2023-24	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling.	NA	Nil	
5b	Area under back filling of mined out area	NA	Nil	
5c	Concurrently use of top soil for restoration or rehabilitation of mined out area (KRule-32)	NA	Nil	
5d	Total area fully reclaimed & rehabilitated	NA	Nil	

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals FY 2023-24	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and Correctly-Rule 26(2).Hard copy same provided)	Yes	Nil	
6b	Management of worked/mined out benches. I)Area available for rehabilitation (ha) ii) Afforestation done(ha) iii) No.of saplings planted during the year. iv)Cumulative no.of plants v) Any other specific method of rehabilitation vi) Cost incurred on Watch & care during the year	0.270 Nil 300 1200 NA 54,000/-	Nil	
6c	Compliance on reclamation and rehabilitation by backfilling (i)Void available for backfilling(LXBXD). (ii)Void filled by waste /tailings. (iii)Afforestation on the backfilling area (iv) Rehabilitation by making water reservoir. v)(Any other specific means	NA	Nil	
6d	Compliance of Rehabilitation of waste land within lease (i) Afforestation (ii)Area rehabilitation (ha) (iii) Method of rehabilitation	300 0.270 Plantation	Nil	
6e	Compliance of Environmental monitoring(core Zone & buffer Zone)	Monitoring Quarterly	Nil	

Mineral Conservation:--

Sl.No.	Item	Proposals FY 2023-24	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Mineral dispatch proposed	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual sorting	Nil	
7c	Different grade of mineral sorted out at mines	Sorting together	Nil	
7d	Any beneficiation process at	Yes	Nil	

	mines			
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Environment:---

Sl.No..	Item	Proposals FY 2023- 24	Actual work	Remarks
8a	Separate removal and utilization of top-soil(Rule32)	Separate removal of top-soil proposed	Nil	
8b	Concurrent use or storage of top-soil	Concurrent use or storage of top-soil proposed	Nil	
8c	Separate dumps for overburden, waste rock, reject and fines (Rule 33)	Separate dumps for overburden, waste rock, reject and fines	Nil	
8d	Use of overburden, waste rock reject and fines dumps for restoring the land to its original use	NA	Nil	
8e	Phased restoration, reclamation and Rehabilitation of lands affected by mining operations(pits, dumps etc)	NA	Nil	
8f	Baseline information on existence of plantation & additional plantation done(Rule 41)	Year wise proposal of plantation	Nil	
8g	Survival rate	60%	Nil	
8h	Water sprinkling on roads to control airborne dust	Yes	Nil	

Compliance of Rule 45.

Sl.No.	Item	Proposals FY 2023-24	Actual Work	Remarks
9a	Status of submission of monthly and Annual returns	M.R.Submitted -Nil A.R Submitted -Nil		Mining Operation has stopped from October 2017 due to want of Renewal.
S.N	Item	Details GIVEN in A.R	Actual in field	
9b	Scrutiny of Annual return for information on mining Engineer. Geologist and manager	Nil	Nil	
9c	Scrutiny of Annual return	Nil	Nil	

	on land use pattern for area under pits reclaimed area, dumps etc.			
9d	Scrutiny of Annual return on Afforestation	Nil	Nil	
9e	Scrutiny Annual return on mineral reject generation (Grade & quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil	
9g	Scrutiny of Annual return on sale value, Ex Mineral price & production cost etc.	Nil	Nil	
9h	Scrutiny of Annual return on fixed assets	Nil	Nil	
9i	Scrutiny of Annual return on mining machineries	Nil	Nil	

Date: 28.03.25
Bhubaneswar

Sujit Kumar Jena
Junior Mining Geologist