

MCDR INSPECTION REPORT (2023-24)

S. N.	Particulars	Details
1	Name of the Mine	KADATHI MANGANESE MINES
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	FOREST LAND – 12.56 Ha NON FOREST LAND – 0.00 Ha
3	Minecode	40KAR27004
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/21855/2017
5	Name of the lessee, Address, phone, email and fax number	M/s YERRITHATHA MINING COMPANY B. ANOOP KUMAR MANAGING PARTNER B.C.M COMPOUND INFRANTRY ROAD, CANTONMENT BALLARI -583104 KARNATAKA
6	Village	KADATHI
7	Taluk/Mandal	HARAPANAHALLI
8	District	DAVANGERE
9	Pincode	583137
10	State	KARNATAKA
11	Post office	KADATHI POST OFFICE
12	Nearest police station	HALUVAGALU
13	Nearest Railway station	HARIHARA
14	Date of Grant of Mining Lease	2017
15	Date of Execution	18-09-1981
16	Date of opening of Mine	18-01-2018
17	Date of first Renewal, if applicable and its period & expiry	17/09/2031 (deemed extension)
18	Date of second Renewal, if applicable and its period & expiry	-
19	Date of submission of renewal	-

	application if Mining Operations are continuing under deemed extension	
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	B. Anoop Kumar Managing Partner B.C.M Compound Infrantry Road, Cantonment Ballari -583104 Karnataka Email- sriymco@gmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	B M Arjun Mine Agent B.C.M Compound Infrantry Road, Cantonment Ballari -583104 Karnataka Email- sriymco@gmail.com
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	A P MOSES 2 nd cross, Near Shree devi Flourmill Garehatti, Chitradurga Phone number - 8792181237 Date Of Appointment 01-08-2020
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Jagadish Vyas Old Jafar Gunj, Railway Station Road , Chitapur Dist – Gulbarga Phone number - 8197593644 Email – Jaganvyas15@gmail.com Date of Appointment – 14-04-2022
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Yes
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	06-01-2021
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval	06-01-2021

	letter, if any.	
27	Mineral(s) granted in lease and proved for mining	Manganese
28	Method of Mining(Opencast, Underground)	Opencast mining method
29	Category (Fully Mechanized, Others or Manual)	Cat – A, Fully Mechanised
30	Captive/ Non captive	Non captive
31	Date of inspection	03.06.2024
32	Name of accompanying mine officials with designation	Dr. Omkesha Murthy M.G. Regional Mining Geologist

Exploration

S.N	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No backlog	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal for year 2023-24	Nil	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No proposal for year 2023-24	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	G1- 0.96 Ha G2 - 0.00Ha G3- 11.60 Ha	
1e	Balance reserves as on <u>31.03.2024</u>		As per 31.03.2024 111- 2,78,662 tonnes	
1f	General remarks of inspecting officer on geology , exploration etc.	Exploration carried out during the present plan period was not updated and same needs to be updated in the next MP/RUMP approval.		

Development

S.N	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	4-4' to 5-5' N1620234 E589487 to N1620258 E589593	There is deviation in the vertical working benches w.r.t Approved Mining Plan.	Violation already pointed out during previous inspection dated 23.08.2023, the rectification proposals were incorporated in the draft Mining plan, so no fresh violations issued during the present inspection.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Separate benches proposed in OB and mineral. (Overburden - 1 Ore - 2)	As per the proposal maintained	
2c	Stripping ratio or ore to OB ratio	1:0.75 Ore - 18,225 tonnes Waste - 13,754 tonnes	1:1.15 Ore - 17,550 tonnes Waste -	

			20,182 tonnes	
2d	Quantity of topsoil generation in m ³	No Proposal	Nil	
2e	Quantity of overburden generation in m ³	6,877 m ³	10,091 m ³	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Mine development deviation observed w.r.t to approved proposals, violation already pointed out during previous inspection dated 23.08.2023, the rectification proposals were incorporated in the draft Mining plan, so no fresh violations issued during the present inspection.		

Exploitation

S.N	Item	Proposals	Actual work	Remarks
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3a	Number of pits proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	18,225 tonnes	17,550 tonnes	
3c	Recovery of salable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral reject generation and threshold value declared	No proposal	Nil	
3f	Quantity of sub-grade mineral generation	No proposal	Nil	
3g	Grade of sub-grade mineral generation	No proposal	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised crushing and screening	As per approved mining plan	

		proposed.		
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposal	Nil	
3j	Provision of drilling & blasting in mineral benches	Drilling and Blasting proposed.	Drilling and blasting not carried out	
3k	Provision of mining machineries in mineral benches	Proposed	1. Excavator or 2. tipper	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Overburden- 4 m Mineral – 6 m	Maintained the in most of the working benches by and large.	
3m	Total area covered under excavation/pits	0.60 Ha	0.60 Ha	
3n	Ore to OB ratio for the pit/mine during the year	1 : 0.75	1 : 1.15	
3o	Total area put in use under different heads at the end of year	0.95 Ha	0.95 Ha	
3p	Production of ROM mineral during last five-year period, as applicable	2019-20: 18,084 2020-21: 22,580 2021-22: 18,225 2022-23: 18,225 2023-24: 18,225 (in tonnes)	2019-20: 9,850 2020-21: 7,600 2021-22: 17,500 2022-23: 17,200 2023-24: 17,550 (in tonnes)	
3q	General remarks of inspecting officer on method of mining etc.	Method of working as per the approved mining plan followed.		

Solid Waste Management-Dumping

S.N	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Yes	Separate Dumping of Overburden maintained as per the proposals	
4b	Location of topsoil, OB & mineral reject dumps	OB dump - Mineral Reject dump - waste	As per the proposals followed	
4c	Number of dumps within lease area and outside lease area	Within Lease area – 5 Outside lease area – 0	As per the proposals followed	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Waste dump-05 N 1620181 E 589660	Waste dump-05 N 1620181 E 589660	
4e	Number of active & alive dumps	5	3	
4f	Number of dead dumps	2	2	
4g	Number of dumps stabilized	5	5	
4h	Whether Retaining wall or garland drain all along dumps are there	Yes	Yes	
4i	Length of Retaining wall or garland drain all along dump	Retaining wall – 281 m Garland drain - 217 m	Retaining wall – 204 m Garland drain - 204 m	
4j	Number of settling ponds	01	01	
4k	Specific comments of inspecting officer on waste dump	Waste handling and management satisfactory		

	management.	
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Solid Waste Management-Backfilling

S.N	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal	Nil	
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal	Nil	
5d	Total area fully reclaimed & rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	--		

Progressive Mine Closure Plan

S.N	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20.	As per rule	Annual PMCP Report for the year 2022-23 submitted on 27/06/2024	
6b	Area available for rehabilitation (ha)	No proposal	Nil	
6c	Afforestation done (ha)	1.626	As per mining plan and	

			reflected in AR also	
6d	No. of saplings planted during the year	1200	1500 with in lease area	
6e	Cumulative no. of plants	7300	7600	As per AR for the year 2023-24
6f	Any other specific method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch & care during the year	Not specified	Rs 1,50,000	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D)	No proposal	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings	No proposal	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area	No proposal	Nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil	
6l	Compliance on reclamation and rehabilitation by	No proposal	Nil	

	backfilling (v) Any other specific means			
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	No proposal	Nil	
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha)	No proposal	Nil	
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal	Nil	
6p	Compliance of Environmental monitoring (core zone & buffer zone)	Environmental monitoring tests carried out on 12-02-2024	Quarterly environmental monitoring reports received.	
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Afforestation and environmental monitoring aspects were taken care		

Mineral Conservation

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	18,225 tonnes	17,550 tonnes	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanized method using Crusher and Screen unit for sorting	As per proposals in the approved mining plan	
7c	Different grade of	10-14%	As per	

	mineral sorted out at mines	14-18% 18-22% 22-25%	proposals in the approved mining pan	
7d	Any beneficiation process at mines	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Mineral conservation aspects are taken care during the mining operation.		

Environment

S. N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Nil	
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by	No proposal	Nil	

	mining operations (Pits, dumps etc)			
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Not specified	1,500 planted within the lease area	
8g	Survival rate	83.33 %	74.18 %	
8h	Water sprinkling on roads to control airborne dust	Yes	Water tankers deployed control the dust on roads and crushing area	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty of the mine maintained		

Compliance of Rule 45

S. N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	A.R. Submitted up to 27.06.2024		
S. N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mine Manager: A P Moses Mining Engineer: Jagadish	Appointed as per rule	

		Hanuman Vyas Geologist: R Anantha Babu		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under mining - 0.85ha OB Dumping - 1.23ha Infrastructure & Roads including Mineral separation plant-0.69ha Others - 9.79ha	Appears to be correct	
9d	Scrutiny of Annual return on afforestation	1500	Appears to be correct	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	--	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM, 17550T	Appears to be correct	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Cost of production- Rs 1334.89 and Ex-mine price Rs.1684.57 per tonne	Appears to be correct	
9i	Scrutiny of Annual return on fixed assets	Rs. 22510763	Appears to be correct	
9k	Scrutiny of Annual return on	SHOVEL -1 Excavators- 1	Appears to be correct	

	mining machineries	Tippers- 1 Back Hoe-1 Water tanker - 1 JEEP/ TRACTOR-1		
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ओमकेशा मूर्ति एम.जी. | **OMKESHA MURTHY M.G.**
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