

MCDR INSPECTION REPORT (2023-24)

S. N.	Particulars	Details
1	Name of the Mine	Jiginehalla Manganese Mine (ML No.2482)
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total lease area : 22.45 Ha as per lease deed and 24.82 Ha as per CEC Sketch Forest Area : 22.45 Ha (as per lease deed) and 24.82 Ha (as per CEC sketch) Non-Forest area: Nil
3	Mine code	40KAR03015
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/6513/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Marwa Mining Company Door No:687, 13 th . Ward,"UMER MANZIL", Kudligi, Dist :Ballari, State: Karnataka Pin Code-583135 Ph. No. 08392-240084/240085 Fax No. 08392-240462; Email : marwaminingcompany@gmail.com
6	Village	Jiginehalli
7	Taluk/Mandal	Sandur
8	District	Ballari
9	Pincode	583135
10	State	Karnataka
11	Post office	Sandur
12	Nearest police station	Sandur
13	Nearest Railway station	Swamihall/Yeshwanthnagar
14	Date of Grant of Mining Lease	05/07/1980
15	Date of Execution	27/04/2007
16	Date of opening of Mine	05.07.1980
17	Date of first Renewal, if applicable and its period & expiry	27.09.2004
18	Date of second Renewal, if applicable and its period & expiry	10.12.2021
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	Shri D. Abdulwaris, S/O. D.M Umer Sab, Ward:29, 1 st . Cross, Rajiv Nagar, Hospet. Vijayanagara Dist. Pin: 583201

21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Pavan Kumar C/o Priyadarshini Complex, Station Road, Hospet- 583201. Ph No: 9902789787 Email : pavan_kalagara@yahoo.com
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Venkata Rao K., Dip. in Mining with First class Mines Manager Certificate. C/O Priyadarshini Complex, Station Road, Hospet- 583201 Ph No: 7893384666 Email:kandimallavenkatarao@gmail.com 01.07.2024
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Anil Kumar Reddy B.E. Mining 10.08.2024
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Y.V. Sanjay Das (M.Sc Geology) Total Experience: 10 Years 1 Month. Ph No.- 9000234677 Email- sanjaydasv@yahoo.com
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Letter no. 279/375/93/BNG dated 12/04/2022
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Letter no. 279/375/93/BNG dated 12/04/2022
27	Mineral(s) granted in lease and proved for mining	Manganese ore
28	Method of Mining(Open cast, Underground)	Open-cast Mine.
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
30	Captive/ Non captive	Non-Captive
31	Date of inspection	04.12.2024
32	Name of accompanying mine officials with designation	Venkata Rao K -Manager Anil Kumar Reddy.S - Mining Engineer Sanjay Das Y.V - Geologist Nagaraju T - Surveyor

1. Exploration

S.N	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Year 2022-23 : 11 No. of boreholes with a total meterage of 280m and 08 nos. of exploratory pits.	The proposed drilling and pitting not carried out.	Violation pointed out under Rule 11(1) of MCDR, 2017 for not carrying out the proposed exploration.
1b	Exploration over lease area for Geological axis 1 or 2.	G-1 : 14.23Ha G2: 3.27Ha G3: 4.95Ha	G-1 : 14.23Ha G2: 3.27Ha G3: 4.95Ha No exploration carried out during 2023-24.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No proposal	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	7.6 Ha	
1e	Balance reserves as on <u>01.04.2024</u>	Mn Ore 3522451 tonnes (as per approved Mining plan)	Mn Ore 3522451 tonnes (as on 01/04/2024)	No change in Reserves due to No mining operation carried till sept. 2024.
1f	General remarks of inspecting officer on geology, exploration etc.	The lease area is fully comprised of Manganese Float Ore for the established varying depths from 5-23m thickness as evidenced by pit/ Trial pits and DTH boreholes. Exploration status G-1 : 14.23Ha; G2: 3.27Ha and G3: 4.95Ha. Lessee has not undertaken the proposed exploration of 2022-23 (backlog), hence, violation pointed out under Rule 11(1) of MCDR, 2017.		

2. Development

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	N1657495 to N165780 & E667402 to E667708	Nil	The proposed Production & Development not carried out due to delay in getting Statutory Clearances.
2b	Separate benches in topsoil, overburden	Only in mineral (Float ore deposit)	Nil	Operations commenced

	and mineral (Rule 15)			lately in Sep-2024 owing to delay in getting permissions
2c	Stripping ratio or ore to OB ratio	0.28 : 1 (No OB but intercalated waste)	Nil	
2d	Quantity of topsoil generation in m3	No Proposal	Nil	
2e	Quantity of overburden generation in m3	38272 m ³	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The proposed Production & Development for the year 2023-24 not carried out due to delay in getting Statutory Clearances. Mining operations resumed from September 2024 after getting the Forest Clearance and other approvals.		

3. Exploitation

S.N	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	Pit 1 (Central to North)	Nil	The proposed Production & Development not carried out due to delay in getting Statutory Clearances.
3b	Quantity of ROM mineral production proposed	268800 tonnes	Nil	The proposed Production not carried out due to delay in getting Statutory Clearances.
3c	Recovery of salable/usable mineral from ROM production	100%	Nil	
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	Not applicable	

3h	Manual / Mechanized method adopted for segregating from ROM	Only dry crushing & screening	Nil	Production not carried out due to awaited clearances.
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposals	Nil	
3j	Provision of drilling & blasting in mineral benches	Drilling & blasting proposed in hard strata wherever encounter.	Nil	
3k	Provision of mining machineries in mineral benches	Proposed mining machineries in mineral benches Back Hoe 1.0 cum 2Nos, Wheel Loader 1.70 cum – 2 nos. Tipper 16.000 cum – 6 Water Tanker 10KL-2 Drill Machine (BVB25)-115mm dia-1	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed bench Height – 3.0m Width - 10m	Nil	
3m	Total area covered under excavation/pits	7.66Ha. at the end of plan period 2023-24	2.95 Ha	Excavation proposed from 2022-23 to 2023-24 not carried out due to Statutory Clearances.
3n	Ore to OB ratio for the pit/mine during the year	0.28 : 1 (No OB but intercalated waste)	Nil	
3o	Total area put in use under different heads at the end of year	Area under Mining – 7.66 Ha, Dumping- 2.04 Ha Mineral Storage – 0.7 Ha Mob. Plants & Weigh bridge-0.4Ha Infrastructure- 0.02 Roads – 0.5 Ha Safety Zone -1.54	No change in area due to Mining operations not commenced	

		Others Mining - 8.35Ha		
3p	Production of ROM mineral during last five-year period, as applicable	2020-21: 0 2021-22: 0 2022-23: 2.68,800 T 2023-24: 2,68,800 T	2020-21: -0 2021-22: 0 2022-23: 0 2023-24: 0	No Mining Operations carried out till Sept. 2024 due to awaited Statutory Clearances
3q	General remarks of inspecting officer on method of mining etc.	The proposed Production & Development for the year 2023-24 not carried out due to delay in getting Statutory Clearances. Mining operations resumed from September 2024 after getting the Forest Clearance and other approvals.		

4. Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No Proposal	Nil	
4b	Location of topsoil, OB & mineral reject dumps	No proposal	Nil	
4c	Number of dumps within lease area and outside lease area	2	2	Dead dumps
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Inactive dumps 16,57,300-16,57,560 Northing & 66,74,10- 66,72,50 Easting Active Dump: 1657500-1657820 Northing & 667680- 667780 Easting	Within UPL	Both dumps are located within the ML. over an extent o 2.77Ha area
4e	Number of active & alive dumps	One active dump(AD1) proposed	One active dump(AD1) proposed	
4f	Number of dead dumps	One dead dump (ID1)	One dead dump located at North western side of the ML	Stabilized with Plantation and toe walls
4g	Number of dumps stabilized	1 Inactive dump (ID1)	Both are inactive and stabilized with plantation and Toe walls & Garland drains	Both dumps are stabilized with plantation and toe walls& Garland drains
4h	Whether Retaining wall or garland drain all along dumps are	Retaining wall & garland drain proposed all along	Retaining wall & garland drains are built and	Retaining wall & Garland Drain are constructed

	there	the dump in the past.	maintained.	as per the R&R plan in the past.
4i	Length of Retaining wall or garland drain all along dump	Retaining wall : 119m Garland Drain : 210m	Total 945m RW and 950m Garland drain constructed along toe of the dumps as per R & R plan.	Retaining wall & Garland Drain constructed as per Earlier proposals. RW-1=205 mtrs RW-2= 375mtrs RW-3=365 mtrs Total= 945 mtrs GD1=205 mtrs GD2=375 mtrs GD3=370mtrs Total= 950 mtrs
4j	Number of settling ponds	No proposals	Nil	
4k	Specific comments of inspecting officer on waste dump management.	The mine was non-working from many years due to Statutory clearances. The mining operations resumed from Sept. 2024. However, lessee has constructed proposed Retaining wall along the toe of the dumps as per the approved R & R plan and as per Mining plan proposal.		

5. 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	South pit 8000 m2 area (Concurrent back filling)	Nil	Mining operations not carried due to awaited statutory clearances
5b	Area under backfilling of mined out area	South pit 8000 m2 area Concurrent back filling)	Nil	Mining operations not carried due to awaited statutory clearances
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	Lessee has proposed concurrent backfilling in the float ore mined out area. The proposed backfilling not achieved due to awaited Statutory Clearances.		

6. Progressive Mine Closure Plan

S.N.	Item	Proposals	Actual work	Remarks
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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.	Annual report on PMCP to be submitted before 1st July every year.	Not Submitted	No Operations carried out till Sept 2024
6b	Area available for rehabilitation (ha)	No proposal	NIL	
6c	Afforestation done (ha)	(0.51Ha) Gap filling Area	Gap filling done in safety zone & inactive portion of active dump (0.66Ha).	
6d	No. of saplings planted during the year	600nos. gap plantation	Safety zone= 450 saplings Dump=100 Agave -1000 Nos.	Figures given as reported by lessee team during inspection. Avenue (Outside ML area) =500 saplings
6e	Cumulative no. of plants	600 Saplings	WML: Agave -1000 Nos. Saplings - 550Nos. OML: Agave -500 Nos. Saplings .	
6f	Any other specific method of rehabilitation	No proposal	NIL	
6g	Cost incurred on watch & care during the year	No Proposal	Rs. 9,60,000/-	Cost incurred towards Workers, watchman & Water tanks
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D)	No proposal	NIL	Only concurrent backfilling proposed
6i	Compliance on reclamation and rehabilitation by	No proposal	NIL	

	backfilling (ii) Void filled by waste/tailings			
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 backfilling (v) Any other specific means	No proposal	NIL	
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 proposed in core zone & buffer zone	Nil	Carried out after Sept. 2024 after resumption of Mining operations.
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations	The proposed concurrent backfilling in the mined-out area has not been achieved, as mining operations have not resumed due to pending statutory clearances. However, the lessee has undertaken plantation work		

7. Mineral Conservation

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Dry crushing & Screening plant.	Nil	Mining operations not carried during the year due to

				awaited statutory clearances
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Grade wise sorting proposed Mechanically with help of Crusher & Screening plant.	Nil	Mining operations not carried during the year due to awaited statutory clearances
7c.	Different grade of mineral sorted out at mines	10% to 22% Mn	Nil	
7d.	Any beneficiation process at mines	No proposal	Nil	
7e.	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Lessee has proposed float ore mining with manual sorting of ore, no beneficiation proposed. However, in the RUMP document submitted lessee has proposed wet beneficiation process (washing) to identify the waste and ore mineral.		

8. 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	Waste generated Proposed for concurrent backfilling.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Waste generated Proposed for concurrent backfilling.	Nil	Mining operations not carried during the year due to awaited statutory clearances
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Waste generated Proposed for concurrent backfilling.	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	600 nos.	3500 nos.	Gap filling, Inactive dump

8g	Survival rate	70%	75%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling proposed on roads to control airborne dust	Water sprinkling will be done regularly on roads to control airborne dust	No operations during the year under consideration-2023-24.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The lease area and adjacent area covered with good vegetation. The mine was not in operation from many year. Lessee commenced the operation from Sept 2024 after obtaining the Statutory clearances. Aesthetic beauty around the mines areas is good.		

9. Compliance of Rule 45

S. N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	Annual Returns submitted on 13/06/2024 Monthly Return upto Nov 2023 submitted.		Monthly and Annual returns submitted within stipulated time
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	Nil	During inspection Mines Manager, Mining Engineer were present.	Mine was non-working from many years due to awaited statutory clearance. Commenced operation from Sept 2024.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Under Pit : 20Ha Waste dump: 0.5Ha Reclaimed-Rehabilitated: 1.5Ha	Not correctly reported.	Area under pit: 1.91Ha Area under dump: 3.23Ha Reclaimed area : nil
9d	Scrutiny of Annual return on afforestation	3500 no. of plants	Appears to be correct.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity).	Nil	Nil	No production during the year 2023-24
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM : Nil Graded ore: Mn below	Appears to be correct.	

		25% 3177 tonnes		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Nil	Nil	
9i	Scrutiny of Annual return on fixed assets	Nil	Nil	
9k	Scrutiny of Annual return on mining machineries	Water tanker : 01	Appears to be correct.	

Details of violations observed during current inspection and compliance position of violation pointed out					
<u>Violation observed</u>			<u>Show cause position</u>		
Rule No.	Issued on	Compliance on	Rule No.	Issued on	Compliance on
11(1) of MCDR	04/02/2025	23/04/2025	--	--	--

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