

MCDR INSPECTION REPORT**1.0 GENERAL**

SN	Particulars	Details
1	Name of inspecting office & designation	Shri Ejaj Ahmad Khan, Assistant Mining Geologist, Indian Bureau of Mines, Hyderabad
2	Accompanying Mine Official with Designation	Owner representative (Shri K.U. Jenekar, Q. P) and Shri Ganesh, Mine Supervisor.
3	Date of inspection	10-12-2024
4	Name of the Mine	Kumbazari Manganese Mine
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	25.65 ha
6	Mine Code	40APR01017
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/1014/2011
8	Name of the lessee, Address, phone, email and fax number	Shri Suresh Agarwal H No. 4-2-164/4, Sri Ranisatiji Colony, Gandhi Chowk Adilabad, Telangana-504001
9	Village	Kumbazari
10	Taluka / Mandal / District	Mandal- Adilabad, Dist-Adilabad
11	State	Telangana
12	Post office & PIN	Kumbhazari -504001
13	Nearest police station	Adilabad
14	Nearest Railway station	Adilabad
15	Date of Grant of Mining Lease	30-10-2007
16	Date of Execution & Date of Expiry	25-07-2009 & 24-07-2029
17	Date of opening of Mine	01-11-2010
18	Date of first Renewal, if applicable and its period & expiry	Not Applicable
19	Date of second Renewal, if applicable and its period & expiry	Not Applicable
20	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable
21	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Not Applicable
22	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Nil
23	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Nil
24	Name of the Mining Engineer, Qualification and total experience with Address, phone,	Not appointed

File No.

	email, fax number and date of appointment in mine	
25	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Not appointed, Violation issued.
26	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Scheme of Mining Plan approved: 27-10-2008 For the period: 2008-09 to 2013-14 MMP approved on 27-04-2018 for the period of 27-04-2018 to 31-03-2019
27	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Review of Mining Plan approved: 03-03-2020 For the period 1-04-2019 to 31-03-2024 Review of Mining Plan approved: 25-09-2024 For the period 1-04-2024 to 31-03-2029
28	Mineral(s) granted in lease and proved for mining	Manganese
29	Method of Mining(Opencast, Underground)	Opencast
30	Category (Fully Mechanised, Others or Manual)	A-Mechanised
31	Captive/Non Captive	Non Captive
32	Existing EC Limit and validity	4500 tonnes upto life of mine
33	Status of Financial Assurance as per rule 27 of MCDR, 2017	Financial assurance of Rs 10,00,000/- is submitted which is valid up to 30/09/2029

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –

1.0 Exploration

SN	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
1a	Backlog of previous year	No Proposal	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	No Proposal	4 new trial pits and trenches have been made.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Till date, only 5.0 ha area have been explored under G1 level.	10.62 ha area needs to explored under G1 level. Proposal have been given in recently approved Review

File No.

				Mining plan F.Y 2024-25.
1e	Balance reserves as on 01.04.2024 (in Million Tonnes)	As per approved RMP documents dated 25.09.2024, Resource and reserve estimation as on 01.04.2023 Under (111): 80095.98 Tonnes Under (211): 2077.74 Tonnes	As per approved Review Mining Plan, Under (111): 0. 80095.98 Tonnes Under (211): 2077.74 Tonnes	
1f	General remarks of inspecting officer on geology, exploration etc.	Geology of the lease area belonging to Penganga bed of Pakhal series equivalent to super group of rocks of upper Cuddapha of upper Protorozoic age which is predominantly consists of siliceous limestone, shaly limestone dipping towards north west side. Mangnese occurs as irregular thin bands (20cm -70cm) which is intercalated with siliceous and shaly limestones.		

2.0 Development

SN	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
2a	Location of development w.r.t. lease area (Range in UTM/Local Coordinate/Plot No./Location)	N2177980-2178110 E249845-249930	No development	Violation pointed out.
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Topsoil: 0.75m OB/Ore:1.5m	-do-	
2c	Stripping ratio or ore to OB ratio	1:0.6	-do-	
2d	Quantity of topsoil generation in m ³	1400 m ³	-do-	
2e	Quantity of overburden generation in m ³	Nil	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	No mining activity carried out during F.Y 2023-24 due to unable to get surface right agreement from patta owners.		

3.0 Exploitation

SN	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
3a	Number of pits proposed for production	One	No mining activity during the year	Surface rights agreements could not be obtained from patta owners.
3b	Quantity of ROM mineral production proposed	5040 Metric Tonnes	Nil	
3c	Recovery of salable/usable mineral from ROM production	3528 Tonnes	Nil	
3d	Quantity of mineral reject generation	1512 Tonnes	Nil	

File No.

3e	Grade of mineral reject generation and threshold value declared	Below 10% i.e. below threshold value	Nil	
3f	Quantity of sub-grade mineral generation	504 tonnes	Nil	
3g	Grade of sub-grade mineral generation	10 to 20% Mn	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No	No	
3j	Provision of drilling & blasting in mineral benches	Jackhammer drilling machine of 33 mm diameter proposed to be used & blasting is being carried out using ANFO with detonators	Nil	
3k	Provision of mining machineries in mineral benches	Ploclain 110 (JCB)	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3 meter height of OB benches proposed	Nil	
3m	Total area covered under excavation/pits	0.20 ha	Nil	
3n	Ore to OB ratio for the pit/mine during the year	1:3.46 tonne/m ³	NA	
3o	Total area put in use under different heads at the end of year	Area under Pit- 1.51 ha Road 0.21 ha Top soil 0.14 ha & Mineral storage 0.09	Area under pit 0.23 ha Reclaimed 0.22 ha Road 0 ha Top soil 0 ha & Mineral storage 0.09 ha	
3p	Production of ROM mineral during last five-year period, as applicable (in Metric Tonnes)	F.Y. 2019-20: 605 Tonnes F.Y. 2020-21: 3024 Tonnes F.Y. 2021-22: 3024 Tonnes F.Y. 2022-23: 3024 Tonnes F.Y. 2023-24: 3024 Tonnes	F.Y. 2019-20: 0 Tonnes F.Y. 2020-21: 0 Tonnes F.Y. 2021-22: 216.5 Tonnes F.Y. 2022-23: 332 Tonne F.Y. 2023-24: 0 Tonnes	
3q	General remarks of inspecting officer on method of mining etc.	No mining activity carried out during F.Y 2023-24 due to unable to get surface right agreement from patta owners.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	Foot wall side of New Pit	No mining activity have been carried out.	Surface rights agreements could not be obtained from patta owners.
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	Eastern side of New pit	Nil	
4c	Number of dumps within lease area and outside lease area	1 (D2)	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	No proposal	Nil	
4e	Number of active & alive dumps	1	Nil	Small waste dump located around Pit-1
4f	Number of dead dumps	No proposal	Nil	
4g	Number of dumps stabilised	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal	Nil	
4i	Length of Retaining wall or garland drain all along dump	No proposal	Nil	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer	The waste material will be progressively utilised for backfilling of mined out area and topsoil spread for cotton cultivation.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Full extraction of ore before backfilling	Nil	

File No.

5b	Area under backfilling of mined out area	0.20 ha	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Topsoil is stacked properly and utilized for cultivation	Nil	
5d	Total area fully reclaimed & rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	The pit is not mined out up to its ultimate pit limit to start backfilling.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23. Details should be given in the format as given in Annexure-20.	To be submitted up to 1 st July of next proposed year.	Submitted on 10-06-2024 With Annual Return	
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	i) Area proposed for rehabilitation – Nil ha ii) Afforestation proposed- 0.05 ha iii) No of sapling Proposed – 50 iv) Cumulative No of Plants – 350 v) Estimated Cost – Rs 2000	i) Rehabilitation done- Nil ha ii) Afforestation done- 0 ha iii) No of sapling done – Nil vi) Cumulative No of Plants – 6 v) Cost incurred on watch & care – Nil	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	i) Voids available for backfilling (L X B X D) 0.20 ha ii) Void filled by waste/tailings -0.20 ha iii) Afforestation on the backfilled area - 50 iv) Rehabilitation by making water reservoir -0 v) Any other specific means – Reclamation & rehabilitation of land by levelling with top soil & make it suitable for cultivation- 0 ha	i) Voids available for backfilling (L X B X D) 0 ha ii) Void filled by waste/tailings -0 ha iii) Afforestation on the backfilled area - 0 iv) Rehabilitation by making water reservoir -0 v) Any other specific means – Reclamation & rehabilitation of land by levelling with top soil & make it suitable for cultivation- 0 ha	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation	No proposal	Nil	

File No.

	ii) Area rehabilitated (ha) iii) Method of rehabilitation			
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Monitoring is to be done	Monitoring is being carried out	
6f	General remarks of inspecting officer on PMCP compliance & progressive	The Mine was not working during F.Y 2023-24 due to unable to get surface right agreement from patta owners.		

7.0 Mineral Conservation

SN	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM generated is to be sorted and sized manually & dispatched	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Grade wise sorting and sizing is to be carried out manually to obtain required grade	Nil	
7d	Any beneficiation process at mines	No proposed	nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The Mine was not working during F.Y 2023-24 due to unable to get surface right agreement from patta owners.		

8.0 Environment

SN	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	Top soil proposed to be removed and stacked it separately for utilisation	Nil	
8b	Concurrent use or storage of topsoil	Proposal to restore the top soil temporarily and to be utilized for spreading over backfilled area	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	No generation of mineral reject is anticipated further no separate dumps for waste is proposed as it is	Nil	

File No.

		utilized for backfilling		
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Waste generated was proposed to backfill for restoring the land to its original use	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Mined out area is being backfilled by waste and levelled. The top soil to be spread on top layer and restore to ground level bring utilized.	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	Additional plantation of 50 saplings to be planted.	Nil	
8g	Survival rate	50%	NA	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling arrangement to be done to suppress the dust generation	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Cotton cultivation found around mining lease area.		

9.0 Compliance of Rule 45

S. N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted upto – Nov 2024 A.R. submitted upto- Year 2023-24	Return are submitted in 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	Mining Engg- Nil Geologist- Nil	No Mining Engineer & Geologist in the mine.	Violation pointed out.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Already Exploited & abundant 0.22 Under current work 0.23	Exploited & abundant 0.22 Under current work 0.23	
9d	Scrutiny of Annual return on Afforestation	0 plants	0 plants	
9e	Scrutiny of Annual return	Mineral reject – nil	Nil	

File No.

	on mineral reject generation (Grade & quantity)			
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Below 25% Mn-355.965 tonnes	Stock present in mining lease area	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	EMP Below 25% Mn= 0 Production cost = Rs 0	Nil	
9i	Scrutiny of Annual return on fixed assets	0	0	
9k	Scrutiny of Annual return on mining machineries	Nil	Nil	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - **Rule 11(1), 34A (2), 55(1)(3)(i) of MCDR,2017**

Ejaj Ahmad Khan
(Assistant Mining Geologist)