

**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	Gollaghat Manganese Mine
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	43.43 ha
6	Mine Code	40APR01013
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/1014/2011
8	Name of the lessee, Address, phone, email and fax number	Sri Suresh Agarwal H No. 4-2-164/4, Sri Ranisatiji Colony, Gandhi Chowk Adilabad, Telangana-504001
9	Village	Gollaghat
10	Taluka / Mandal / District	Taluka- Bheempur, Dist-Adilabad
11	State	Telangana
12	Post office & PIN	Gollaghat -504001
13	Nearest police station	Adilabad
14	Nearest Railway station	Adilabad
15	Date of Grant of Mining Lease	17-02-2007
16	Date of Execution & Date of expiry	21-03-2007 & 20-03-2027
17	Date of opening of Mine	21-03-2007
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	Not appointed as mine operation are suspended wide order of suspension dated: 08/11/2012
23	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Not appointed as mine operation are suspended wide order of suspension dated: 08/11/2012

**File No.**

24	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Not appointed as mine operation are suspended wide order of suspension dated: 08/11/2012
25	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Not appointed as mine operation are suspended wide order of suspension dated: 08/11/2012
26	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Fresh under rule 22 MCR1960 MP approved on 02-02-2006. Modification of approved Mining plan on 09-02-2009. MP review under 17(1) MCR 2016 approved on 03-05-2018. Valid for 2018-19 to 2021-22
27	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	MP review under 17(2) MCR 2016 approved on 20-12-2023 for period of 2022-23 to 2026-27
28	Mineral(s) granted in lease and proved for mining	Manganese
29	Method of Mining(Open cast, Underground)	Open cast
30	Category (Fully Mechanised, Others or Manual)	B-Mechanised
31	Captive/Non Captive	Non Captive
32	Existing EC Limit and validity	3500 tonnes up to 20-03-2027
33	Status of Financial Assurance as per rule 27 of MCDR, 2017	Financial assurance of Rs 13,95,000/- is submitted which is valid up to 31/03/2027

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	Nil	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No proposal	Not reported	
1d	Balance area to be explored to bring Geological axis in 1 or 2	There are proposal to convert 39.43 Ha the mining lease area to G1 level of exploration during FY-2026-27	Not achieved. Mining operations are suspended wide Order of suspension dated:08/11/2012	Only 4.0 ha area are explored under G1 level of

**File No.**

				exploration rest of area needs to explored under G1 level.
1e	Balance reserves as on 01.04.2023 (in tonnes)	As per approved RMP documents dated 20.12.2024, Resource and reserve estimation as on 01.04.2023  Under (111): 54734.40 Tonnes  Under (331): 311.60 Tonnes	Balance reserves and resources as on 01/04/2024  Under (111): 56808.00 Tonnes  Under (331): 311.60 Tonnes	Average grade: Mn 28.26%-31.14% SiO2 18.11%-20.07% Fe 2.25%-2.72% P 0.091% - 0.108%
1f	General remarks of inspecting officer on geology, exploration etc.	The Mining operations are suspended vide Order of suspension dated: 08/11/2012. The geology of the lease area is belonging to litho-stratigraphic succession of penganga Formation which consists thin bands of shaly/silicious limestone. The manganese ore occurs as thin layers intercalated within the limestone and more or less in horizontal in nature of thickness ranges from 0.50 to 0.6 meter.		

**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)	N2190468-2190508 E233021-233047	Not achieved. Mining operations are suspended vide Order of suspension dated : 08/11/2012	
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Topsoil: 01 nos. OB/Waste: 01 nos. Mineral/Ore: 01 nos.	-do-	
2c	Stripping ratio or ore to OB ratio	1: 0.0067	-do-	
2d	Quantity of topsoil generation in m3	93 m <sup>3</sup>	-do-	
2e	Quantity of overburden generation in m3	23 m <sup>3</sup>	-do-	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The mining operations are suspended vide Order of suspension dated : 08/11/2012		

**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	Not achieved. Mining operations are	

**File No.**

			suspended vide Order of suspension dated : 08/11/2012	
3b	Quantity of ROM mineral production proposed	3456 Metric Tonnes	-do-	
3c	Recovery of salable/usable mineral from ROM production	2073.60 Tonnes	-do-	
3d	Quantity of mineral reject generation	1382.40 Tonnes	-do-	
3e	Grade of mineral reject generation and threshold value declared	Below 10% i.e. below threshold value	-do-	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	Nil	Nil	
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	Hydraulic Excavator Tata Hitachi 1.2 m <sup>3</sup> capacity	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	Not achieved. Mining operations are suspended vide Order of suspension dated : 08/11/2012	
3m	Total area covered under excavation/pits	0.10 ha	-do-	
3n	Ore to OB ratio for the pit/mine during the year	1: 0.02	-do-	
3o	Total area put in use under different heads at the end of year	Under current work 0.08 ha Under mineral Storage-0.06 Under Top Soil- 0.01	-do-	

**File No.**

		Used for waste disposal- 2.3 ha Used for Road 1.7 ha		
3p	Production of ROM mineral during last five-year period, as applicable (in Metric Tonnes)	Yr-2019-20: 6885 Metric Tonnes Yr-2020-21: 6795 Metric Tonnes Yr-2021-22: 6615 Metric Tonnes Yr-2022-23: 0 Metric Tonne Yr-2023-24: 3456 Metric Tonnes	Yr- 2019-20: 0 Metric Tonnes Yr- 2020-21: 0 Metric Tonnes Yr- 2021-22: 80 Metric Tonnes (reported in annual return) Yr-2022-23: 0 Metric Tonne Yr- 2023-24: 0 Metric Tonnes	80 metric tonnes of ore recovered during pitting and trenching process.
3q	General remarks of inspecting officer on method of mining etc.	The Mining operations are suspended vide Order of suspension dated : 08/11/2012.		

**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)	No separate dumps were proposed as the mining operations proposed with simultaneously backfilling of dumps. The top soil proposed to temporarily dump on southern side to be utilized over backfilled area	Nil	
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	No waste dump proposed, it will be proposed to backfilled in mined out pit. For top soil separate storage is marked on SW side of the area.	Nil	
4c	Number of dumps within lease area and outside lease area	Nil	5 Dead dumps.	Waste Dump are formed during the course of development

**File No.**

				of canal
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	No proposal waste will be utilized for backfilling of mined out area	Nil	
4e	Number of active & alive dumps	No proposal	Nil	
4f	Number of dead dumps	Nil	5 Dead dumps.	
4g	Number of dumps stabilised	No proposal	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	Waste Dump are formed during the course of development of canal.		

**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	
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)	Top soil is to be spread in a proper manner over backfilled area so that the land is restored to its near to the original condition	Nil	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No area of the mine is excavated upto the 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	To be submitted up to 1 <sup>st</sup> July of next proposed year.	Submitted on 10-06-2024 With Annual Return	

**File No.**

	the format as given in Annexure-20.			
6b	<p>Management of worked/mined out benches</p> <p>i) Area available for rehabilitation (ha)</p> <p>ii) Afforestation done (ha)</p> <p>iii) No. of saplings planted during the year</p> <p>iv) Cumulative no. of plants</p> <p>v) Any other specific method of rehabilitation</p> <p>vi) Cost incurred on watch &amp; care during the year</p>	<p>i) Area proposed for rehabilitation – Nil ha</p> <p>ii) Afforestation proposed- 0.02 ha</p> <p>iii) No of sapling Proposed – 60</p> <p>iv) Cumulative No of Plants – 60</p> <p>v) Estimated Cost – Rs 10000</p>	<p>i) Rehabilitation done- Nil ha</p> <p>ii) Afforestation done- 0 ha</p> <p>iii) No of sapling done – Nil</p> <p>vi) Cumulative No of Plants – 0</p> <p>v) Cost incurred on watch &amp; care – Nil</p>	
6c	<p>Compliance on reclamation and rehabilitation by backfilling</p> <p>i) Voids available for backfilling (L X B X D)</p> <p>ii) Void filled by waste/tailings</p> <p>iii) Afforestation on the backfilled area</p> <p>iv) Rehabilitation by making water reservoir</p> <p>v) Any other specific means</p>	No proposal	Nil	
6d	<p>Compliance of Rehabilitation of waste land within lease</p> <p>i) Afforestation</p> <p>ii) Area rehabilitated (ha)</p> <p>iii) Method of rehabilitation</p>	No proposal	Nil	
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	Nil		

**7.0 Mineral Conservation**

SN	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
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**File No.**

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	Beneficiation process has not been proposed in the earlier approved Review Mining Plan.		

**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 plate 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 utilized for backfilling	Nil	
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	Nil	



**File No.**

		and restore to ground level bring utilized.		
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	Vegetation and agricultural field found in and around the 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	Not appointed as mine operation are suspended wide order of suspension dated:08/11/2012	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Under current work 0.05 ha Used for waste disposal- 2.3 ha Used for Road 1.7 ha	Under current work 0.05 ha Used for waste disposal- 2.3 ha Used for Road 1.7 ha	
9d	Scrutiny of Annual return on Afforestation	0 plants	0 plants	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Mineral reject – nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Below 25% Mn 116.700 tonnes	Below 25% Mn 116.700 tonnes stock present.	

**File No.**

9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex. MP Below 25% Mn= 0 Production cost = Rs 0	Nil	
9i	Scrutiny of Annual return on fixed assets	Nil	Nil	
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: .

**Ejaj Ahmad Khan**  
**(Assistant Mining Geologist)**