

# INSPECTION DATASHEET For The Year 2024-25

## General

S.N.	Particulars	Details
1	Name of the Mine	Silua Jhansi Iron Ore <b>Mine</b>
	Date of Inspection:	13/09/2024
	Name of Inspecting Officer	Shri Raghubir Sharan Garg, ACOM
2	Total Lease Area (Ha) with breakup of non-forest and forest land	4.56 Hect.
3	Mine code	30MPR18024
4	IBM Registration Number under rule 45 of MCDR, 1988	Reg. No. IBM/548/2011
5	Last Inspection Details	Insp. officer – Shri Robert C. Simon, ACOM Date of Insp. – 13/03/2024 V. Letter dated 19/06/2024 for rule – 11(1),12,31(4),33, 34A(2) &45(7) Reply letter dated 31/07/2024 Compliance considered on 14/08/2024 on all the pointed-out rules except rule 45(7).
6	Mine official present during the inspection	Shri J.N.Patnaik, Mining Engineer of the mine
7	Name of the Lease, Address, Phone, email and fax no	M/s Khatri Minerals & Mining Co. 365, South Moti Nala, Hanumantal, Jabalpur, M.P. 482002 <b>Email</b> khatriminerals@gmail.com M.No. 9425860243 Fax No. NA
8	Village	Silua
9	Taluka/Mandal	Sihora
10	District	Jabalpur
11	Pin code	483222
12	State	Madhya Pradesh
13	Post Office	Silua
14	Nearest Police Station	Gosalpur
15	Nearest Railway Station	Gosalpur
16	Date of Grant of Mining Lease	29/12/2016
17	Date of Execution	09/01/2017(lease period upto 08/01/2067-50 years lease period.
18	Date of opening of Mine	06/07/2018
19	Date of First Renewal, if applicable and its period & expiry	NA
20	Date of Second Renewal, if applicable and its period & expiry	NA
21	Date of third Renewal, if applicable and its period & expiry	NA
21	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
22	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	<b>Nominated Owner:</b> M/s Khatri Minerals & Mining Co. Address: M/s Khatri Minerals & Mining Co. 365, South Moti Nala, Hanumantal, Jabalpur, M.P. 482002

		<b>Email</b> khatriminerals@gmail.com M.No. 9425860243 Fax No. NA Date of Appointment: NA
	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Agent- Not appointed Date of Appointment: NA
23	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	M. Manager not appointed Date of Appointment: NA
	Name of the Geologist, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Rohit Kanojiya, Msc(Geo), Part time Address,Phone: No.,Fax No. & email address As stated above Date of Appointment: 20/05/2020
25	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri J.N.Patnaik, Diploma in Mining Engineer, Experience -12 years, part time Address, Phone: No.,Fax No. & email address As stated above Date of Appointment: 01/09/2020
26	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes,
27	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	03/05/2016(MP) Period 2016-17 to 2020-21
28	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	24/06/2021(RMP) period 2021-22 to 2025-26
29	Mineral(s) granted in lease and approved for Mining	Iron Ore
30	Method of Mining (Opencast, Underground)	Open cast
	Category (Fully Mechanized, Others or Manual)	Fully Mechanised
	Captive/Non-Captive	Non-Captive

### Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	None	NA	Based on additional exploration reassessment of reserves are to be carried out by the lessee. During discussion it is came in notice that GSR will be submitted after rainy season
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	Entire lease area was considered explored under G1 level based on additional exploration which is in progress in current year 2024-25 after pointing out violation based on last inspection dated 13/03/2024.	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	NOT proposed.	NOT applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	NOT proposed.	NOT applicable	
1e	Balance reserves as on 01.04.2024	122-48400 tone	122- 49094one	
1f	General remarks of Inspecting officer on geology, exploration	Entire lease area supposed to be considered under G1 level after completion of out of additional exploration for which notice of		

	etc.	borehole drilling in form I received in the office. Due to heavy rain in the region borehole drilling work postponed till end of current monsoon. Based Additional exploration reassessment of reserves are to be carried out after completion of envisaged boreholes.
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### Development

S.N	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	N 2584528 – N 2584592 E 406131 – E 406228	Actual working is lagging accordingly violation was pointed out based on inspection dated 13/03/2024.	Mining operation in the mine was found closed on the date of inspection.
2b	Separate benches in top soil overburden and mineral (Rule 15)	1.No Soil bench 2.No OB bench 3.Iron ore benches 1 no of 5m height	As per approved proposal	Further, pit was found water logged .
2c	Stripping ratio or ore to OB ratio	1:0.57	1:0.6323	Deviation regarding lagging of pit advancement was pointed out along with other deviations vide letter dated 19/06/24 and clarification given by the lessee was found acceptable.
2d	Quantity of top soil generation in m <sup>3</sup>	Nil	Nil	
2e	Quantity of overburden generation in m <sup>3</sup>	5217	5217	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Pit was found not advanced upto the proposed coordinates. Pit orientation was observed as per approved proposals. Pit was found developed for achieving the envisaged production. Mining operation in the lease area was found closed. Pit was also found water logged.		

### Exploitation

S.N	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	01	01	-
3b	Quantity of ROM mineral production proposed (2023-24)	9043tones ROM	ROM-8950tone	-
3c	Recovery of Salable/usable mineral from ROM production	40%	As per approved proposal	-
3d	Quantity of mineral reject generation	Nil	Nil	-
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	-
3f	Quantity of sub-grade mineral generation	Nil	Nil	-
3g	Grade of sub-grade mineral generation	Nil	Nil	-
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanised method proposed	As per approved proposal	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	Nil	

3j	Provision of drilling & blasting in mineral benches	Not proposed	Not required	-
3k	Provision of mining machineries in mineral benches	Rock drill nil Excavator: 01 no.1.0cum bucket capacity Transportation: Dumpers 02 nos. water tanker 01 no.	Rock drill nil Excavator: 01 no.1.2cum bucket capacity Transportation: Dumpers 03 nos. water tanker 01 no.	There are common mining machineries between two adjoining leases of the company.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	As per approved proposal.	
3m	Total area covered under excavation /pits	1.73 Hectare	1.2hect.	-
3n	Ore to OB ratio for the pit/mine during the year	1:0.21	1:0.21	-
3o	Total area put in use under different heads at the end of year	3.3778 Hectare	About 3.0hect	-
3p	Production of ROM mineral during the last five-year period as applicable	2019-20	14195	13000
		2020-21	18361	750
		2021-22	4368	4365
		2022-23	10998	10400
		2023-24	9043	8950
3q	General remarks of inspecting officer on method of mining etc	Open cast mechanised mine working proposed by using Excavator/JCB & dumper combination without drilling & blasting.		

### **Solid Waste Management-Dumping**

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of top soil, OB & mineral reject (Rule 32,33)	Not proposed	NA	
4b	Location of topsoil, OB & mineral reject dumps	Not proposed	NA	Top soil not generated.
4c	Number of Dumps within lease area and outside lease area	Within the lease area as well as outside lease area-Nil	One old dump of 47mX37mX4-6m lies near BP no. 4 lies within the lease area outside lease area-Nil	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	Old dump partly lies within UPL and partly outside UPL..	After reaching at ultimate pit depth accumulated waste dumps will be rehandled &

				utilised in backfilling of mined out area, it will be shifted
4e	Number of Active & Alive dumps	Active-& Inactive-Nil	Active-& Inactive-Nil	As per proposal utilized in backfilling.
4f	Number of dead dumps	Nil	Nil	Nil
4g	Number of dumps established	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	Proposed	As per proposal	
4i	Length of Retaining wall or garland drain all along dump	79m	70m	
4j	Number of settling ponds	01	01	-
4k	Specific comments of inspecting officer on waste dump management	Only one old dump lies partly within UPL. After reaching at UPL depth it will be rehandled and utilized in backfilling of mined out area.		

#### **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	Not proposed	As per approved proposal OB is utilized in proposed backfilling.	Nil
5b	Area under backfilling of mined out area	0.05hect	As per proposal	Backfilling found started.
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	NA	Nil
5d	Total area fully reclaimed & rehabilitated	Not Proposed	NA	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc.	Area not matured for backfilling and reclamation. Only reclamation / backfilling of old excavation found in progress as per approved proposal in year before the reviewing year.		

#### **Progressive Mine Closer 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		PMCP report and UAV survey (KML file) not found attached with the AR,2023-24	Violation of rule 45(7) pointed out through violation dated 18/09/2024
6b	Management of worked/mined out benches			

	i) Area available for rehabilitation (Ha)	Not specified	NA	-.
	ii) Afforestation done (ha)	Not proposed	NA	
	iii) No. of saplings planted during the year	Not proposed	NA	
	iv) Cumulative no. of plants	Not proposed	NA	
	v) Any other specific method of rehabilitation	NA	NA	Nil
	vi) Cost incurred on watch & care during the year	Not proposed.	NA	Nil
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L*B*D) ii) Void filled by waste/tailings iii) Afforestation on the backfilling iv) Rehabilitation by making water reservoir v) Any other specific means	0.05hect 0.05hect Not proposed Not proposed Not proposed	0.05hect 0.005hect NA NA NA	None Old pit
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	Not specified 0.018 plantation	20 no. 0.015 Plantation	Green belt area.
6e	Compliance of Environment monitoring (core zone & buffer zone)	Yes	Yes	Nil
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Periodic monitoring is being carried out by outsourced consultant.		

### Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Dispatch proposed with mineral processing through magnetic separator	As per approved proposal.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Magnetic separator	As per approved proposal.	Nil
7c	Different grade of mineral sort out at mine	+60% Fe content	As per approved proposal.	-

7d	Any beneficiation process at mines	Dispatch proposed with mineral processing through magnetic separator	As per approved proposal.	Nil
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	There is no issue related with mineral conservation aspect as mineral processing unit is already installed( Magnetic Separator) within lease area. And entire mineral from the lease area as well as from the adjoining lease area take place after mineral processing. .		

### Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Not Proposed	As per proposal	Partly top soil utilized for plantation purpose.
8b	Concurrent use or storage of topsoil	Not Proposed	As per proposal	Nil
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Not Proposed	As per proposal	There is only old dump within lease area.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposed.	As per proposal	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposed old pit of 0.05hect during 2023-24	As per proposal although in totality phased reclamation of old pit is found lagging.	Matter discussed in the field and advised to adhere on the approved proposals.
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Not specified	Plantation done in the lease area	
8g	Survival rate	80%	70%	Nil
8h	Water sprinkling on roads to control airborne dust	Water sprinkling is proposed by water tanker	Reportedly regular water sprinkling is done by water tanker	Water is required for dust suppression
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mine area is moderate and needs further improvement.		

### Compliance of Rule 45

S.N	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	MR of Aug-24 and AR of 2023-24	MR as well as AR for 2023-24 found submitted.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Name of the Mining Engineer: Shri J.N.Patnaik, ME and Shri Rohit Kanojiya , Geologist	Shri J.N.Patnaik accompanied to inspecting officer during inspection.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use as per Annual return <b>2023-24</b> Current working: 0.942ha. OB/waste dump: 0.427 ha. Occupied by plant .. etc. 0.567 Green Belt: 0.09 ha. Progressive mine closure plan-0.00hect.	Reporting of land use pattern observed on lower side particularly in account of current working. Matter discussed with the mining engineer and advised to take care while filing of AR.
9d	Scrutiny of Annual return on Afforestation	Afforestation as per AR 20saplings planted in the lease area with survival rate of 80%.	Sapling found ok but survival rate is slightly less i.e 70%
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	No any mineral reject generated during the year.	OK
9f	Scrutiny of Annual return on ROM stock and/or grade ore	ROM closing stock -Nil Graded Iron ore Fines of 45 to 51 Fe content 26998tone	As per MR of August,24 Graded Iron ore Fines of 45 to 51 Fe content 26190tone which was verified during inspection.
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex mine Price & sale value both are: Rs.1236/-- per ton, Cost of production = Rs. 835-per tone	In calculation of cost of production royalty, DMF, NMET amounts have not been taken into account properly. Further, along with royalty dead rent also has taken into account which is not correct. Necessary. Deficiency pointed out through violation of 45(7)
9i	Scrutiny of Annual return on Fixed assets	Fixed assets – Rs. 0/-	Matter discussed with the mining engineer and advised to take care while filing of AR.
9k	Scrutiny of Annual return on mining Machineries	Front end Loader - 1(1.2cum bucket capacity) Dumper 16 TONNE - Two Dumper 10 tonner -One Pump (NON-ELEC.) - One Water tanker-2000L-One	OK



Details of violations observed during current inspection and compliance position of earlier violation pointed out:-

1. Rule 27(2) letter dated 18/09/2024
2. Rule 31(4) letter dated 18/09/2024
3. Rule 34A letter dated 18/09/2024
4. Rule 45(7) letter dated 18/09/2024

Date: 24/09/2024

Name:- Raghubir Sharan Garg  
Designation: Assistant Controller of Mines