

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/JPR-185/FE-16

Mine code : 30RAJ13016

- (i) Name of the Inspecting : 1() A K JATOLIA
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri Manish Kumar Verma, Geologist, Shri Manish Khand
Official with
Designation
- (iv) Date of Inspection : 23-FEB-24
- (v) Prev.inspection date : 04-FEB-22

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : LUKHANA
- (b) **Registration NO.** : IBM/16578/2013
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : RAJASTHAN
District : JAIPUR
Village : Luhakana
Taluka : Virat Nagar
Post office : Luhakana Khurd
Pin Code : 303119
FAX No. : 01413024821
E-mail : kediaminerals@rediffmail.co
Phone : 9414072192
- (f) Police Station : Virat Nagar
- (g) First opening date : 01-SEP-13
- (h) Weekly day of rest : SUN
2. Address for : F-109 Venkateshwar Tower Central spine,
correspondance Jaipur-302023
Rajasthan
3. (a) Lease Number : RAJ4463
- (b) Lease area : 4.46
- (c) Period of lease : 50
- (d) Date of Expiry : 23-SEP-62
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : SH. MANOJ KEDIA
 109, Venketeswer tawor,
 Central spain, Vidhyanagar
 JAIPUR RAJASTHAN
 Phone:
 FAX :

Owner : SH. MANOJ KEDIA
 109, Venketeswer tawor,
 Central spain, Vidhyanagar
 JAIPUR RAJASTHAN
 Phone:
 FAX :

Mining Engineer

Name : Ragwandera Singh, Full Time
 Qualification :
 Appointment/ : 01-FEB-22
 Termination date

Geologist

Name : Sri Manish Kumar, Full Time
 Qualification : M.Sc. Geology.
 Appointment/ : 10-FEB-22
 Termination date

Geologist

Name : R.K. Pathak, Full Time
 Qualification : M.Sc. Geology
 Appointment/ : 09-FEB-22
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining : MP review under 17(1) MCR 2016 11-MAY-17
 MP review under 17(1) MCR 2016 16-MAR-22

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	Not applicable	Nil
1b	Exploration over lease area for geological axis 1 or 2	05 nos of BHs with 178 m drill has been proposed during year 2022-23	05 nos of BHs with 178 m drill has been carried out during the year 2022-23	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No specific proposal	Not reported	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Not applicable	Nil
1e	Balance reserve as on 01/04/20	Reserve and Resource as on 01/04/2022, 343675 tonnes reserve and 94996 tonnes resources.	Reserve and Resource as on 01/04/2023, 338794 tonnes reserve and 94996 tonnes resources.	Nil
1f	General remarks of inspecting officers on geology, exploration etc			Reserve and Resource as on 01/04/2023, 338794 tonnes reserve and 94996 tonnes resources.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Development has been proposed between Id 435-445	Observed as per as per proposal.	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal of top soil removal. Separate removal of waste and mineral.	No top soil generation. Separate removal of waste and mineral.	Nil
2c	Stripping ratio or ore to OB ratio	1:2.81 Tonnes / Cum	1:0.30Tonnes / Cum	Nil

2d	Quantity of topsoil generation in m3	No proposal	None	Nil
2e	Quantity of overburden generation in m3	22950 Cum OB has been proposed during the year.	1500 Cum OB has been carried out during the year.	1500 Cum quantity of Overburden has been produced during the year 2022-23 against the proposal of 22950 Cum quantity of Overburden. Hence, Violation under rule 11(1) of MCDR 2017 has been issued.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Development has been proposed through opencast method.	Development has been carried out as per proposed method.	Nil

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One.	One.	Nil
3b	Quantity of ROM mineral production proposed	8160 tonnes	4881 tonnes	Nil
3c	Recovery of sailable/usable mineral from ROM production	100 %	100 %	Nil
3d	Quantity of mineral reject generation	No proproposal	No generated	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable as no proposal	Not applicable	Nil
3f	Quantity of sub grade mineral generation.	No proposal	Not applicable	Nil
3g	Grade of sub grade mineral generation	Not applicable as no proposal	Not applicable	Nil

3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Not applicable	Nil
3j	Provision of drilling and blasting in mineral benches	Yes,proposed	As per proposal	Nil
3k	Provision of mining machineries in mineral benches	Yes,proposed	As per proposal	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes,proposed	As per proposal	Nil
3m	Total area covered under excavation/pits	1.22 Ha	0.9 Ha	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:7.30	1:0.30	Due to less OB generated during the year 2022-23.
3o	Total area put in use under different heads at the end of year	1.88 Ha.	1.19 Ha.	Nil
3p	Production of ROM mineral during the last five year period as applicable	2018-19 :24336 tonnes, 2019-20 :24960 tonnes, 2020-21 :27005 tonnes, 2021-22 :28800 tonnes 2022-23 : 8160 tonnes	2018-19 : 0 tonnes, 2019-20 : 53 tonnes, 2020-21 : 241 tonnes, 2021-22 :1552 tonnes 2022-23 : 4881 tonnes	Nil
3q	General remarks of inspecting officers on method of mining etc.			PMCP Compliance found satisfactory.

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal of top soil and mineral reject generation.OB/IB proposed to dump separately.	No top soil and mineral reject generation. Waste generated has been dumped on earmarked area.	Nil
4b	Location of topsoil, OB and mineral reject dumps	Near boundary pillar C.	As per proposal.	Nil
4c	Number of dumps within lease area and outside of lease area	Four dump has been proposed within lease area.	One	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	Nil
4e	Number of active and alive dumps.	Four	One	Nil
4f	Number of dead dumps.	No proposal	None	Nil
4g	Number of dumps established.	No proposal.	None	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes proposed	It has not been carried out as per proposal.	Violation under rule 11(1) of MCDR 2017 has been issued for not carrying out Retaining wall and Garland Drain as per proposal.
4i	Length of Retaining wall or garland drain all along dumps	145 m-Garland Drain, 145 m - Retaining Wall	Not carried out as per proposal	Violation under rule 11(1) of MCDR 2017 has been issued for not carrying out Retaining wall and Garland Drain as per proposal.
4j	Number of settling ponds	No proposal	Not applicable	Nil
4k	Specific comments of inspecting officer on waste dump management			Violation under rule 11(1) of MCDR 2017 has been issued for not carrying out Retaining wall and Garland Drain as per proposal.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposal of backfilling during RY.	Backfilling in exhausted Pit-2 has been carried out	Nil
5b	Area under backfilling of mined out area	No proposal	0.194 ha area has been backfilled during the year	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal of top soil removal.	No top soil encountered during mining.	Nil
5d	Total area fully reclaimed and rehabilitated	No specific proposal	0.194 Ha. area has been reclaimed and rehabilitated during the year.	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			0.194 Ha. area has been reclaimed and rehabilitated during the year.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	As per rule 26 of MCDR, 2017 holder of mining lease shall submit PMCP before 1st day of July every year.	PMCP Report has been submitted timely.	Nil
6b	Area available for rehabilitation (ha) .	0.05 hecatre.	0.05 hecatre.	NIL.
6c	afforestation done (ha).	0.05 hecatre.	0.05 hecatre.	NIL.
6d	No. of saplings planted during the year	50 nos of sapling has been proposed during the year.	80 nos of sapling has been carried out during the year.	Nil
6e	Cumulative no .of plants	No specific proposal	Not reported	Nil

6f	Any other method of rehabilitation	No proposal	None	Nil
6g	Cost incurred on watch and care during the year	No proposal	Not applicable	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Not applicable	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	1500 Cum waste has been backfilled during the year.	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal.	Not applicable.	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No Proposal.	Not applicable.	NIL.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No any other specific proposal.	Not applicable.	NIL.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	50 nos of saplings.	80 nos of saplings.	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.05 hecatre.	0.05 hecatre.	Nil

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation.	Plantation.	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Provision for monitoring of environment parameter has been given.	Environment monitoring parameters are found to be within permissible limit.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PMCP compliance is found satisfactory.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade-wise sorting within lease area.	Grade-wise sorting has been carried out.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual.	Manual.	Nil
7c	Different grade of mineral sorted out at mines.	No specific proposal.	Not applicable as no proposal.	Nil
7d	Any beneficiation process at mines .	No beneficiation process at the mine.	Not applicable as no beneficiation process at the mine.	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No proposal of any beneficiation.	Not applicable as no proposal.	Nil

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of top soil removal.	No top soil patch encountered during mining.	Nil
8b	Concurrent use or storage of topsoil	No proposal	None	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Seperate dumps for OB, waste rock, rejects and fine have been proposed	No top soil, rejects have been generated during the reporting year.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Simultaneous backfilling by waste rocks.	No top soil, rejects have been generated during the reporting year. But 1500 Cum waste has been backfilled during the year.	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	An area of 0.05 hecatre has been proposed for reclamation.	As reported during site inspection an area of around 0.05 hecatre has been reclaimed.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Planation with 50 numbers of saplings has been proposed.	Plantation with 80 numbers of saplings within lease area.	Nil
8g	Survival rate	No specific proposal.	About 40% as reported	Nil
8h	Water sprinkling on roads to control airborne dust	Water spraying has been proposed on the roads.	Water sprinkling has been observed on the date of inspection.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty of the mine is maintained.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Annual & monthly return should be submitted as per rule 45 of MCDR 2017.	Annual Return and Monthly Return have been submitted.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details given	Found to be in order	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details given.	Found to be correct.	Nil
9d	Scrutiny of Annual return on afforestation	80 Numbers of trees reported during the year.	Found to be correct.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil Mineral reject has been reported.	Found to be in order.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM Stock - 17134.720 tonnes, Opening Stock of Graded Ore- 15685.530 tonnes, and Closing Stock of Graded Ore- 15961.510 tonnes	Found to be in order.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value- 1485.67 Rs./Tonne, Ex-Mine Price - 1485.67 Rs./Tonne, and COP-684.18 Rs./ Tonne	Appears to be in order.	Nil
9h	Scrutiny of Annual return on fixed assets	The value of fixed asset furnished is Rs 111086	The information furnished found in order.	Nil
9k	Scrutiny of Annual return on mining machineries	01 Shovel and 01 Jeep /Tractor	The information furnished found to correct.	Nil

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

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	28-MAR-24			
MCDR17	Rule 11(1)	28-MAR-24			

Date :**(A K JATOLIA)**

Indian Bureau of Mines