

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

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/Jabalpur/Iron Ore -17

Mine code : 30MPR18019

- (i) Name of the Inspecting : **NQ08**) **KATHROJU NAVEEN**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 27-MAR-23
- (v) Prev.inspection date : 09-MAR-18

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **DHAMDHA 4.54HA. IRON ORE**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : JABALPUR
Village : DHAMDHA
Taluka : SIHORA
Post office : GOSALPUR
Pin Code : 483222
FAX No. :
E-mail :
Phone :
- (f) Police Station : Gosalpur
- (g) First opening date : 09-JUL-15
- (h) Weekly day of rest : SUN
2. Address for : 33 jagran Bhawan
correspondance : Press Complex
MP Nagar Bhopal
3. (a) Lease Number : MPR2430
- (b) Lease area : 4.54
- (c) Period of lease : 30
- (d) Date of Expiry : 12-DEC-43
4. Mineral worked : IRON ORE Main
OCHRE Associated
CLAY (OTHERS) Associated
LATERITE Associated

5. Name and Address of the

Lessee : R.M.G.SUPER MINES PVT. LTD.
33, Jagran Bhawan Press
Complex MP Nagar Bhopal
BHOPAL MADHYA PRADESH
Phone:
FAX :

Mining Engineer

Name : Debasis Behera, Full Time
Qualification : BE mining
Appointment/ : 01-JUL-15
Termination date

6. Date of approval of Mining	:	MP modif under 17(3) MCR 2016	09-FEB-17
Plan/Scheme of Mining	:	MP review under 17(1) MCR 2016	26-APR-18

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	14 bore holes proposed for the year 2018-19.	14 bore holes drilled between 02/02/23 to 28/02/2023.	
1b	Exploration over lease area for geological axis 1 or 2	Proposed to bring entire lease area under G1	completed 14 boreholes as proposed.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	Engeotech Consultant, JABALPUR M.P.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not proposed	as proposed in the 2018-19 backlog exploration done and 14 boreholes were drilled and entire area has explored under G1	
1e	Balance reserve as on 01/04/20	6,59,210 T	9,68,051 T	As per thye last approved minng plan the balance reserves available at the mine were 12,90,126 T out of which it is proposed to produce 6,30,916 T of Iron ore till 01.04.2022. the reported productionachieved was 3,22,075T.

1f	General remarks of inspecting officers on geology, exploration etc	The proposed exploration of the 2018-19 year 14 boreholes drilled. during in spection it is observed that the development and production has carried out at unproposed site and pit encroaching the boundary for which violation issued under 11(1).
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Towards north east side of lease area & towards south -west side between pillar no. 6 & 7 covering maximum width of lease area in existing pit.	working done in the south western part of the area where the proposal has not given.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not proposed.	seperate benches observed in lateritte and Iron ore but the excavted lateritte has been dumped on north western part outs ide the lease	
2c	Stripping ratio or ore to OB ratio	Not proposed	About 1:0.20	
2d	Quantity of topsoil generation in m3	Not proposed	No top soil generation observed.	

2e	Quantity of overburden generation in m3	Not proposed	About 20000 tonnes of overburden murum generated.	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			In the approved Mining plan 100% recovery considered but the generated lateritte has been dumping out side the lease boundary for which violtaion under rule 11(1) has issued. location of deveopment also found onthe unproposed site against which violatio nder 11(1) has issued.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	one	
3b	Quantity of ROM mineral production proposed	161032 tonnes Ironore	About 157075 tonnes Ironore	
3c	Recovery of sailable/usable mineral from ROM production	About 85% of ROM	In actual 70% of ROM as 15% waste in form of murum generated other than 15% laterite minor mineral.	
3d	Quantity of mineral reject generation	Not proposed	Mineral reject generation has not found in the mine.	
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed	Nil	
3f	Quantity of sub grade mineral generation.	Not proposed	Subgrade mineral generation has not found.	

3g	Grade of sub grade mineral generation	Not proposed	Not applicable
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanically	Mechanical
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Not applicable
3j	Provision of drilling and blasting in mineral benches	Not proposed	the mineral is being excavated by digging with the excavator
3k	Provision of mining machineries in mineral benches	yes proposed shovel dumper combination	Shovel dumper /tipper combination is being practicing for extraction.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	benc parameters has not been maintained hence formed the highwalls.
3m	Total area covered under excavation/pits	2.30 ha.	about 2.6 ha area has been covered under pit
3n	Ore to OB ratio for the pit/mine during the year.	Not proposed	About 1:0.20
3o	Total area put in use under different heads at the end of year		

3p	Production of ROM mineral during the last five year period as applicable	2017-18-1,71,689T 2018-19-1,53,688T 2019-20-1,55,083T 2020-21-1,61,113T 2021-22-1,61,032T	2017-18-12,800T 2018-19-nil T 2019-20-5,000T 2020-21-1,60,000T 2021-22-1,57,075T
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3q	General remarks of inspecting officers on method of mining etc.		The violation of rule 11(1) pointed out for hight of one bench more than approved proposals .& also waste dumping outside lease area.
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not proposed	waste generated /laterritte not old has been dumping outside the lease area	violation has been issue for dumping the lateritte/OB outside the lease area.
4b	Location of topsoil, OB and mineral reject dumps	Not proposed	waste/lateritte generated has dumped outside the lease area.	
4c	Number of dumps within lease area and outside of lease area	Not proposed	it is observed a large dump ouside the lease area towards the north-western side of the lease.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	dump/stack of lateritte lied outside the lease area.	
4e	Number of active and alive dumps.	Not proposed	one large dump which is integrated by the 03 dumps.	
4f	Number of dead dumps.	Not proposed	Nil	
4g	Number of dumps established.	Not proposed	Nil	

4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed	Nil	
4i	Length of Retaining wall or garland drain all along dumps	Not proposed	Nil	
4j	Number of settling ponds	Not proposed	Nil	
4k	Specific comments of inspecting officer on waste dump management			waste/laterritic material dumped out side the lease area for which violation has been issued.

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.	Not proposed	Not applicable	
5b	Area under backfilling of mined out area	Not proposed	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed	No top soil generation found.	
5d	Total area fully reclaimed and rehabilitated	Not proposed	NA	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Mineral has not exhausted for initiatig the backfilling.

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).	To be submitted	Submitted.	
6b	Area available for rehabilitation (ha) .	Not proposed	NA	
6c	afforestation done (ha).	0.001 ha	0.001 ha	
6d	No. of saplings planted during the year	20 saplings proposed	10 saplinghs were planted.	
6e	Cumulative no .of plants	not proposed	About 100 plants available.	
6f	Any other method of rehabilitation	Not proposed	NA	
6g	Cost incurred on watch and care during the year	Not proposed	about 25000/-	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not proposed	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	Not proposed	Nil	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not proposed	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Not proposed	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Not proposed	NA
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Not proposed	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Env monitoring proposed.	Env monitoring carried out as proposed.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Mineral dispatch	as per the proposal	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical	done as proposed	
7c	Different grade of mineral sorted out at mines.	sorting proposed	as per the proposal	
7d	Any beneficiation process at mines .	Not proposed	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			ROM iiron ore has sorting and dispatching.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	NA	
8b	Concurrent use or storage of topsoil	Not proposed	No topsoil generation found	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed	the wate /lateritte generated has been dmping out side the lease.	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	20 trees proposed	10 saplings planted during the RY.	
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	Proposed	water sprinkling practicing on the haul road for dust suppression.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Some portion of waste has been dumping out side the lease area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR & AR to be submitted online.	Lessee has submitted AR for the year 2021-22	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pits-4.54ha. & waste disposal -.4ha	
9d	Scrutiny of Annual return on afforestation	10 saplings planted.	about 10 saplings within the lease
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not proposed	NA
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM Stock-nil & graded iron ore lumps-9450 T & fines 40553 T	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value & ex mine price is Rs. 639/-t for below 55% Fe & Rs. 656/-t for 55% to 58% Fe. Cost of production Rs. 468.78/t	The details given seems to be almost correct.
9h	Scrutiny of Annual return on fixed assets	Not furnished	Mining machineries found in the site
9k	Scrutiny of Annual return on mining machineries	Backhoe & Dumpers	Backhoe & Dumpers

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

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	05-APR-23			
MCDR17	Rule 31(4)	05-APR-23			
MCDR17	Rule 34(1)	05-APR-23			

Date :

(KATHROJU NAVEEN)

Indian Bureau of Mines