

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/JABALPUR/IRONORE-18

Mine code : 30MPR18018

- (i) Name of the Inspecting : **SQ23**) **SANDEEP KUMAR SINGH**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 28-FEB-20
- (v) Prev.inspection date : 07-DEC-16

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **HRIDEYANAGAR IRONORE 4.67**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : JABALPUR
Village : HRIDEYANAGAR
Taluka : SIHORA
Post office : HRIDEYANAGAR
Pin Code : 483222
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date : 01-DEC-14
- (h) Weekly day of rest : SUN
2. Address for :
correspondance
3. (a) Lease Number : MPR2432
- (b) Lease area : 4.67
- (c) Period of lease : 20
- (d) Date of Expiry : 18-MAR-34
4. Mineral worked : IRON ORE Main
LATERITE Associated
MANGANESE ORE Associated

5. Name and Address of the

Lessee : SHRIKANT PANDEY
50, GANDHIR\GRANM
(BURHAGAR) TEHSIL-SIHORA
DISTT. JABALPUR (M.P.)
JABALPUR MADHYA PRADESH
Phone:09425800763
FAX :NA

Owner : SHRIKANT PANDEY
50, GANDHIR\GRANM
(BURHAGAR) TEHSIL-SIHORA
DISTT. JABALPUR (M.P.)
JABALPUR MADHYA PRADESH
Phone: NA
FAX : NA

6. Date of approval of Mining : MP review under 17(1) MCR 2016 11-DEC-18
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	NIL
1b	Exploration over lease area for geological axis 1 or 2	05	05	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	Entire area G2	-
1e	Balance reserve as on 01/04/20	reserve as on 01-04-2019	FOR IRON ORE IN TONS 122 - 157255 T 222 - 166303 332- 332058 FOR MANGANESE ORE IN TONS 122 -11058 222 -35189 332 -49447	
1f	General remarks of inspecting officers on geology, exploration etc			Mahakaushal group of rocks lower to middle petrozoic age, majaor litho units ore chart, fireclay. ochre, laterite,BIF, Marble, quartzite, ortho quartzite phylitte.About 1.5 mtr laterite & then 1 to 4 mtr iron ore with Mn.Three mineralised zone seen in exploration 3 pits & 5 BH done in past.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	zone 1 (pit 1) and zone 2 (pit 2)	zone 1 and zone 2	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	waste & ore	waste & ore	intercalated waste & overlying waste
2c	Stripping ratio or ore to OB ratio	0.72 : 1	-	T:T Mineral waste
2d	Quantity of topsoil generation in m3	nil	nil	
2e	Quantity of overburden generation in m3	8441 m3	4110 m3	waste
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			mining is done from two zone iron ore low grade upto 100% mn ore z ore with manganeses ore recovery = 20% benches of ht upto 4 mtr, 3 mtr, 1 mtr formed as per lithology.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	02	02	
3b	Quantity of ROM mineral production proposed	23430, IO, 3376 mN	5500T 3200T	Iron ore mn
3c	Recovery of sailable/usable mineral from ROM production	yes	yes	iron ore = 100%-ROM Mn ore- 20% rest waste
3d	Quantity of mineral reject generation	No prop.	nil	

3e	Grade of mineral rejects generation and threshold value declared.	nil	nil
3h	Manual / Mechanised method adopted for segregating from ROM	manual	manual
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	nil	nil
3j	Provision of drilling and blasting in mineral benches	not proposed	not done
3k	Provision of mining machineries in mineral benches	not proposed	nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes manual	yes manual
3o	Total area put in use under different heads at the end of year	1:1	1:0.9
3p	Production of ROM mineral during the last five year period as applicable	2018-19 20054 T 3376 T	8500T 3200T

3q	General remarks of inspecting officers on method of mining etc.	magnese ore is recovered.Iron ore is mined(low grade) bench ht upto 4 mtr maintained. manual mining is proposed.
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4b	Location of topsoil, OB and mineral reject dumps	waste and minor mineral	waste and minor mineral	temporary dump
4c	Number of dumps within lease area and outside of lease area	01	01	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NE CORNER	NE CORNER	TEMPORARY DUMPS
4e	Number of active and alive dumps.	01	01	
4g	Number of dumps established.	01	01	
4h	Whether Retaining wall or garland drain all along dumps are there.	YES	YES	
4i	Length of Retaining wall or garland drain all along dumps		70 m	
4k	Specific comments of inspecting officer on waste dump management			waste is backfilled in barrier zone (manganese 9 th) and stacked in temporary dump in north eastern side of lease.

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.	NA	NA	
5b	Area under backfilling of mined out area	75	75	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NP	NP	
5d	Total area fully reclaimed and rehabilitated	NP	NA	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Only very small barrier zone backfilling is planned in eastern boundary zone (75 m2)

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6b	Area available for rehabilitation (ha) .			NP for mined out benches
6c	afforestation done (ha).	NP		
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D		PIT AREA 1.3 HECT.	

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	75 M2	75 M2	Barrier zone
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NP	NP	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NP	NP	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	100 Nos	100 Nos	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NP	nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	YES	Done	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			barrier plantation is being done @ 100Nos / year on 900m2 area.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	no	no
7b	Method of grade- wise mineral sorting i.e. manual or mechanical.	no proposal	nil

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes done		yes done
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager			information not given
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.			o/c working _1 hect dumps= 0.06
9d	Scrutiny of Annual return on afforestation			100 Nos planted
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)			no rejects generated

9f	Scrutiny of Annual return on ROM stock and/or graded ore	Rom= 6842.915 14419 Mn ore =4059.805 T
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	EX MINE = 700 RS /T Mn ore EX MINE = 500 RS /T IRON ORE
9h	Scrutiny of Annual return on fixed assets	FA = Details not given
9k	Scrutiny of Annual return on mining machineries	air compressor

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 26(2)	19-MAY-20	MCDR17	Rule 26(2)	19-MAY-20 17-FEB-21
MCDR17	Rule 45(1)	19-MAY-20	MCDR17	Rule 45(1)	19-MAY-20 17-FEB-21
MCDR17	Rule 35(1)	19-MAY-20	MCDR17	Rule 35(1)	19-MAY-20 17-FEB-21
MCDR17	Rule 31(4)	19-MAY-20	MCDR17	Rule 31(4)	19-MAY-20 17-FEB-21

Date :

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines