

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/JBP/IRON ORE-21

Mine code : 30MPR18023

- (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 : 04-MAR-20
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **GHUGHRIKALA**
- (b) **Registration NO.** : **IBM/766/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : JABALPUR
Village :
Taluka : SIHORA
Post office : TIKARIYA
Pin Code : 483334
FAX No. :
E-mail :
Phone : 07622-404395
- (f) Police Station :
- (g) First opening date : 08-JUN-18
- (h) Weekly day of rest : SUN
2. Address for :
correspondance
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : M/s NIRMALA MINERALS
PATHAK WARD KATNI MADHYA
PRADESH
Phone:N.A
FAX :N.A

Owner : M/s NIRMALA MINERALS
M/s NIRMALA MINERALS PATHAK
WARD KATNI MADHYA PRADESH
Phone: N. A.
FAX : N. A.

Agent : HARSH KAPOOR
PATHAK WARD KATNI
JABALPUR MADHYA PRADESH
Phone:
FAX :

6. Date of approval of Mining :
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	08 BH ,4 CORE,4 DTH	4 DTH IS DONE.	ok
1b	Exploration over lease area for geological axis 1 or 2	G2	G2	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	---	----	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	G2
1f	General remarks of inspecting officers on geology, exploration etc			THE AREA IS IN LORA GROUP IRON ORE.8 BORE HOLES ARE PROPOSED.4 DTH HAVE BEEN DONE.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	PIT1 ,B BLOCK	PIT 1,B BLOCK	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	YES	WASTE,LATERITE, IRON ORE	YES MADE,3MTR,5MTR
2c	Stripping ratio or ore to OB ratio	1:.05,ORE: WASTE	1:.033	
2d	Quantity of topsoil generation in m3	NP	NIL	NO TOP SOIL

2e	Quantity of overburden generation in m3	3430M3	1715M3	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			PIT IS WELL DEVELOPED.IN BENCHES.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	185232	154152.34	
3c	Recovery of sailable/usable mineral from ROM production	YES	YES	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	MECHANISED SCREENS /HEMM	MECHANISED SCREENS /HEMM	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	

3j	Provision of drilling and blasting in mineral benches	NO		NOT DONE
3k	Provision of mining machineries in mineral benches	YES		DONE-30T CLASS EXCAVATOR, TIPPERS -15T-4
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES		BENCH HIEGHT OF 3TO 5MTR MADE.SUITABLE.
3m	Total area covered under excavation/pits	2.1	PIT,	.70 PIT,
3n	Ore to OB ratio for the pit/mine during the year.	1:05		1:033
3o	Total area put in use under different heads at the end of year	PIT-1.5 HECT,DUMP- .80,MINERAL STORE- .25,INFRA-.10		PIT-.70,STORE-.25,INFRA- .10
3p	Production of ROM mineral during the last five year period as applicable	18-19-185232		18-19-154112.
3q	General remarks of inspecting officers on method of mining etc.			MINES HAS BEEN DEVELOPED IN BENCHES.MINING IS IN PROGRESS.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NO TOP SOIL,NO REJECTS.	NO OVERBURDEN IS PUT ON BUND AS PER PLAN.	LATERITE IS STORED.

4b	Location of topsoil, OB and mineral reject dumps	NO TOPSOIL OR REJECT.OB IS ON BUND AND DUMP NEAR BP 5,6	NO TOPSOIL OR REJECT.OB IS ON BUND AND DUMP NEAR BP 5,6	
4c	Number of dumps within lease area and outside of lease area	01 WITHIN LEASE	01 WITHIN LEASE.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NEAR ONE END OF LEASE.	NEAR ONE END OF LEASE.	TEMPORARAY.
4e	Number of active and alive dumps.	01	01	
4f	Number of dead dumps.	NIL	NIL	
4g	Number of dumps established.	1	1	
4h	Whether Retaining wall or garland drain all along dumps are there.	YES ,DRAIN	PROVIDED	
4i	Length of Retaining wall or garland drain all along dumps	-	70MTR	
4j	Number of settling ponds	01	01	
4k	Specific comments of inspecting officer on waste dump management			TEMPORARAY DUMP.VERY LESS QUNTITY IS DUMPED.

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 PROPOSALS	NO PROPOSALS	

5b	Area under backfilling of mined out area	NO PROPOSALS	NO PROPOSALS	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NO TOP SOIL	NO TOP SOIL	
5d	Total area fully reclaimed and rehabilitated	NO PROPOSALS	NO PROPOSALS	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			NO PROPOSALS UNDER THIS HEAD.

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).		NOT SUBMITTED.	
6b	Area available for rehabilitation (ha) .	NO PROPOSALS	NO PROPOSALS	
6c	afforestation done (ha).	NO PROPOSALS	NO PROPOSALS	
6d	No. of saplings planted during the year	NO PROPOSALS	NO PROPOSALS	
6e	Cumulative no .of plants	NO PROPOSALS	NO PROPOSALS	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	-	-	NO PROPOSALS

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	--	--	NO PROPOSALS
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	--	--	NO PROPOSALS
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	--	--	NO PROPOSALS
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	--	--	NO PROPOSALS
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	--	--	NO PROPOSALS
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	--	--	NO PROPOSALS
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	--	--	NO PROPOSALS

6p	Compliance of environmental monitoring (core zone and buffer zone)	YES	BEING DONE	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			NEW MINE.THERE ARE NO PROPOSALS ASAREA IS NOT MATURE FOR PROGRESSIVE CLOSURE.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM DISPATCH	ROM DISPATCH	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NO	NO	
7c	Different grade of mineral sorted out at mines.	NO	NIL	ONLY IMPURTIES STONE,SILICA REMOVED BY HEMM
7d	Any beneficiation process at mines .	NO	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			MINERAL IS SENT TO BUYERS AS PER QUALITY.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	NO TOP SOIL	NOT DONE	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	YES FOR WASTE	MADE FOR WASTE	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NO	NIL	PROPOSALS AFTER 5 YEAR IN CONCEPTUAL.NEW MINE.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	IN FUTURE
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	BASE LINE NOT GIVEN.BARRIER PLANTATATION.	BARRIER PLANTATION IS DONE.(70NOS)	
8g	Survival rate	---	70%	
8h	Water sprinkling on roads to control airborne dust	YES	PROVIDED.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			NEW MINE.WASTE IS PUT IN BOUNDARIES FOR BARRIER PLANTATAION.WATER SPRINKLING IS DONE.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	YES	DONE	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer in charge ANIL VISHWAKARMA Geologist in charge RAJESH JAIN		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	PIT-.635, INFR-.020	GIVEN	
9d	Scrutiny of Annual return on afforestation	271,80%		
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL,NIL,NO REJECT		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NO STOCK MAINTAINED,NIL		
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	EXMINE PRICE:(a) Below 55% - FINES - 405RS/T, (a) Below 55% - LUMPS - 456.57RS/T, COP -389.99, SALE PRICE:LUMPS- 487,FINE-450		
9h	Scrutiny of Annual return on fixed assets	NIL,0		

9k Scrutiny of BACK HOE 1.100 LIST IS GIVEN
Annual return on CUM 1 Non
mining Electrical
machineries Opencast
 DUMPER 20.000
 TONNE 2 Non
 Electrical
 Opencast
 PUMPS (NON-
 ELEC.)
 5000.000 L/MN
 1 Non
 Electrical
 Opencast

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)	12-MAY-20			
MCDR17	Rule 11(1)	12-MAY-20			
MCDR17	Rule 55(1)(1)	12-MAY-20			
MCDR17	Rule 35(1)	12-MAY-20			

Date :

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines