

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

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/JBP/LAT-14

Mine code : 75MPR18019

- (i) Name of the Inspecting : **C004**) **ROBERT SIMON C**
Officer and ID No.
- (ii) Designation : Assistant Controller Mines
- (iii) Accompanying mine : Shri Punit Kumar Dhruv (Mining Engineer)
Official with
Designation
- (iv) Date of Inspection : 22-AUG-23
- (v) Prev.inspection date : 22-JUL-22

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **DEVENDRA NAGAR (6.44 HA)**
- (b) **Registration NO.** : **IBM/10657/2012**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : JABALPUR
Village : DEVNAGAR
Taluka : SIHORA
Post office : GANDHIGRAM
Pin Code : 483222
FAX No. : 9917860358
E-mail : shrikantpandey1969@gmail.c
Phone : 9917860358
- (f) Police Station : SIHORA
- (g) First opening date : 20-MAR-96
- (h) Weekly day of rest : SUN
2. Address for : SHRI INTIZAR HUSAN
correspondance P.O. NAWAGAON, DISTT. MURADABAD (U.P.)
PIN CODE - 244251
3. (a) Lease Number :
- (b) Lease area: 6.44 HA
- (c) Period of lease :50
- (d) Date of Expiry :19/03/46
4. Mineral worked : CLAY (OTHERS) Associated
LATERITE Main
MANGANESE ORE Associated
IRON ORE Associated
BAUXITE Associated

5. Name and Address of the

Lessee : INTIZAR HUSAN
 MOHELLA BARI IMLI, P.O.
 NAWAGAON SADAT ,DISTT
 DISTT. JYOTIBA PHOLY NAGAR
 MORADABAD UTTAR PRADESH
 Phone:
 9917860358
 FAX :N. A.

Owner : INTIZAR HUSAN
 MOHELLA BARI IMLI, P.O.
 NAWAGAON SADAT , DISTT.
 JYOTIBA PHOLY NAGAR (JAYPEE
 NAGAR) (U.P.) 244251
 MORADABAD UTTAR PRADESH
 Phone:
 9917860358
 FAX : N. A.

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	28-JUN-07
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	04-JUN-14
	:	MP review under 17(1) MCR 2016	12-SEP-19

OBSERVATION/COMMENTS OF INSPECTING OFFICERS

EXPLORATION :

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	NA	
1c	Exploration Agency	Not proposed	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Not specified	6.44hect in G2	Violation pointed out under Rule 11(1) of MCDR 2017.
1e	Balance reserves	Not specified	122- 66244t	
1f	General remarks of Inspecting officer on geology, exploration etc.			

Development :

Sl.No.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	For the year 2022-23 it was proposed to carryout development & excavation in Pit 1 between BP & BP-9A and in Pit-3 between BP-2 to BP-3-B.	During it was observed that development was not done in Pit 1 between the coordinates 2584770 N to 2584860 N & 399120 E to 399210 E	Violation pointed out under Rule 11(1) of MCDR 2017.

2b	Separate benches in topsoil overburden and mineral (Rule 15)	Proposed	Maintained	-
2c	Stripping ratio or ore to OB ratio	1:0.45	1:0.45	-
2d	Quantity of topsoil generation in m3			
2e	Quantity of overburden generation in m3	7875	7875	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	For the year 2022-23 it was proposed to carryout development & excavation in Pit 1 between BP & BP-9A and in Pit-3 between BP-2 to BP-3-B, but during it was observed that development was not done in Pit 1 between the coordinates 2584770 N to 2584860 N & 399120 E to 399210 E. Hence Violation pointed out under Rule 11(1) of MCDR 2017.		

Exploitation :

Sl.No.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	1 pits were proposed for production	1 pits	
3b	Quantity of ROM production	17199	17150	
3c	proposed (2022-23) Recovery of Salable/usable mineral from ROM production	80%	80%	
3d	Quantity of mineral reject generation	Nil	Nil	No mineral reject generation
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	No mineral reject generation
3f	Quantity of sub-grade mineral generation	Nil	Nil	No sub-grade mineral generation
3g	Grade of sub-grade mineral generation	Nil	Nil	No sub-grade mineral generation

3h	Manual/Mechanized method adopted for segregation from ROM	manual	manual	
3i	Any analysis or beneficiation study proposed & carried out for sub- grade mineral and reject	Nil	Nil	No sub-grade mineral generation
3j	Provision of drilling & blasting in mineral benches	Nil	Nil	
3k	Provision of mining machineries in mineral benches	Type of machinery Capacity of each type of machinery Unit (in which capacity is reported) No. of machinery Electrical Nonelectrical (specify) Used in opencast underground (specify) BACK HOE 1.000 CUM 1 Non Electrical Opencast DUMPER 25.000 TONNE 2 Non Electrical Opencast	The details of machinery reported in the AR is inconsistent with the actual ones that were observed and pointed out during the inspection	Violation pointed out under Rule 45(7) of MCDR 2017.
3l	Whether height of benches in OB and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	
3m	Total area covered under excavation /pits	Not specified	3.278 ha reported in AR	
3n	Ore to OB ratio for the pit/mine during the year	1:0.45	1:0.45	

3o	Total area put in use under different heads at the end of year	Not specified	Incorrectly reported in AR		Violation pointed out under Rule 45(7) of MCDR 2017.
3p	Production of ROM mineral during last five-year period, as applicable	2018-19 2019-20 2020-21 2021-22 2022-23	0 91191 82593 Nil 17199	0 Nil 12000 Nil 17150	
3q	General remarks of inspecting officer on method of mining etc	For the year 2022-23 it was proposed to carryout development & excavation in Pit 1 between BP & BP-9A and in Pit-3 between BP-2 to BP-3-B, but during it was observed that development was not done in Pit 1 between the coordinates 2584770 N to 2584860 N & 399120 E to 399210 E. Hence Violation pointed out.			

Solid waste management-dumping :

Sl.No.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate dumping of OB proposed	of Separate dumping of OB done	
4b	Location of topsoil, OB & mineral reject dumps	Not proposed	Nil	
4c	Number of Dumps within lease area and outside lease area	1	1 temporary waste dump	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	within UPL	NE part of lease area	
4e	Number of Active & Alive dumps	1	1	
4f	Number of dead dumps	0	0	
4g	Number of dumps established	0	0	
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 dump	Not proposed	Nil	
4j	Number of settling ponds	Not proposed		
4k	Specific comments officer on waste dump management	The waste dump (temporary) is being utilized for backfilling purposes.		

Solid waste management-backfilling :

Sl.No.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Backfilling proposed	Backfilling being carried out	
5b	Area under backfilling of mined out area	0.10 ha	0.059 ha.	Details furnished incorrectly in AR. Violation pointed out under Rule 45(7) of MCDR 2017.
5c	Concurrent use of Topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	Nil	
5d	Total area fully rehabilitated	Not specified	0.059 ha.	Details furnished incorrectly in AR. Violation pointed out under Rule 45(7) of MCDR 2017.
5e	General remarks of inspecting officer on backfilling, reclamation etc	Details in respect of backfilling, reclamation are furnished incorrectly in AR. Violation pointed out under Rule 45(7) of MCDR 2017.		

Progressive mine closer plan

Sl.No.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 26(2). Details should be given in the format as given in Annexure-20	Yes	Annual report on PMCP has been Submitted.	
6b	Management of worked/mined out benches	Nil	NA	
	i)Area available for rehabilitation (Ha)	Nil	NA	
	ii)Afforestation done (ha)	0.1	0.1	
	iii)No. of saplings planted during the year	Not specified for the year	200 approx.	
	iv)Cumulative no. of plants		300 (approx.)	
	v) Any other specific method of rehabilitation	Nil		Nil
vi)	Cost incurred on watch & care during the year	Not specified	NA	
6c	Compliance on reclamation and rehabilitation by backfilling	NA	NA	
	i) Voids available for backfilling (L X B X D)			
	ii)Void filled by waste/tailings			
	iii) Afforestation on the backfilled area			
	iv)Rehabilitationby making water reservoir			
	v) Any other specific means			

6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NA	NA
6e	Compliance of Environment monitoring (core zone & buffer zone)	Environment monitoring proposed	Carried out
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Afforestation being done on green belt.	

Mineral conservation :

Sl.No.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM mineral dispatch proposed	ROM mineral dispatch done	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Along with Manual sorting mechanized screening	As per approved proposal.	
7c	Different grade of mineral sort out at mine	Not specified	Fe content 55 to 58%)	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM mineral dispatch after manual sorting being done in the lease.		

ENVIRONMENT

Sl.No.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Not Proposed	NA	
8b	Concurrent use or storage of topsoil	Not Proposed	NA	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Proposed	NA	
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)	Green belt was proposed to be developed	Around 200 plants has been planted in lease area and surroundings
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Proposed	200 nos (approx..) of saplings planted.
8g	Survival rate	80%	50-70%
8h	Water sprinkling on roads to control airborne dust	yes	Regular Water sprinkling on roads to control airborne dust is in practice by lessee's water tanker.
8i	General remarks of Aesthetic beauty in and around mine area needs inspecting officer improvement on aesthetic beauty in and around mine area		

Compliance of rule 45 :

Sl.No.	Item	Proposals	Actual Work	Remarks
9a	Status of submission of monthly and Annual returns	Returns are submitted online.	Returns are submitted online.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager : N.A 8. Mining Engineer in charge: ih 9. Geologist in charge : rk	The details of Mining Engineer & Geologist is erroneously furnished. Geologist	Violation pointed out under Rule 45(7) - of MCDR 2017. Ranjeeta Markam, MSc (Geo) DOA: 20/09/21 Punit Kumar Dhruve , (BE Mining), DOA 20/09/21

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	<p>Lease area (surface area) utilisation as at the end of year (hectares):</p> <p>Under forest Outside forest Total</p> <p>(i) Already exploited and abandoned by opencast (O-C) mining 0.000 3.278 3.278</p> <p>(ii) Covered under current (O-C) Workings 0.000 3.158 3.158</p> <p>(iii) Reclaimed-rehabilitated 0.000 0.059 0.059</p> <p>(iv) Used for waste disposal 0.000 0.700 0.700</p> <p>(v) Occupied by plant, buildings, residential, welfare buildings and roads 0.000 0.212 0.212</p> <p>(vi) Used for any other purpose (specify) As required 0.000 0.574 0.574</p> <p>(vii) Work done under progressive mine closure plan during the year 0.000 3.158 3.158 0.002</p>	<p>The details wrt to Lease area (surface area) utilisation as at the end of year is incorrectly furnished</p>	<p>Violation pointed out under Rule 45(7) of MCDR 2017.</p>
9d	Scrutiny of Annual return on afforestation	Given	<p>Trees planted- survival rate</p> <p>Description Within lease area Outside lease area</p> <p>i) Number of trees planted during the year 239 0</p> <p>ii) Survival rate in percentage 65 0</p>	

			iii) Total no. of trees at the end of the year 155 0
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Given	Opening stock : 0.010 T Production : 17150 (Iron Ore) Fines); Despatches:217 666.320 T Closing stock : 16483.69 T
9g	Scrutiny of Annual return on sale value, Ex Mine price & production costs	Not given	The Cost of production table & the overall table is furnished incorrectly. Violation pointed out under Rule 45(7) of MCDR 2017.
9i	Scrutiny of Annual return on Fixed assets	Nil	Nil
9k	Scrutiny of Annual return on mining Machineries	Given	The details wrt to the type of Machinery deployed during the year is incorrectly furnished. Violation pointed out under Rule 45(7) of MCDR 2017.

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
Rule 11(1)	20-NOV-23	09-FEB-24			
Rule 12	20-NOV-23	09-FEB-24			
Rule 31(4)	20-NOV-23	09-FEB-24			
Rule 33	20-NOV-23	09-FEB-24			
Rule 45(7)	20-NOV-23		Rule 45(7)	26-FEB-24	

(ROBERT SIMON C)

Indian Bureau of Mines