

MCDR-MIFLOFE/8/2023-JBP-IBM_RO_JBP
INDIAN BUREAU OF MINES

MINERALS DEVELOPEMMENT AND REGULATION DIVISION

I/7959/2023

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/JBP/LAT-9

Mine code : 75MPR18010

- (i) Name of the Inspecting : C004) ROBERT SIMON C
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Nitin Sharma (Lessee)
Official with
Designation
- (iv) Date of Inspection : 03-MAR-22
- (v) Prev.inspection date : 06-FEB-18

PART-I : GENERAL INFORMATION

1. (a) Mine Name : DHAMKI
- (b) Registration NO. :
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
- State : MADHYA PRADESH
- District : JABALPUR
- Village : DHAMKI
- Taluka : SIHORA
- Post office : GANDHIGRAM
- Pin Code : 483222
- FAX No. : N. A.
- E-mail : N. A.
- Phone : N, A,
- (f) Police Station :
- (g) First opening date : 30-SEP-92
- (h) Weekly day of rest : SUN
2. Address for :
correspondance
3. (a) Lease Number : MPR1830
- (b) Lease area : 3.6
- (c) Period of lease : 50
- (d) Date of Expiry : 28-AUG-42
4. Mineral worked : LATERITE Main
MANGANESE ORE Associated
IRON ORE Associated

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5. Name and Address of the

Lessee : SHOBHA MINERALS
765- Napier town JABALPUR
MADHYA PRADESH
Phone:NA
FAX :NA

Owner : SHOBHA MINERALS
765- Napier town JABALPUR
MADHYA PRADESH
Phone: NA
FAX : NA

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	03-NOV-04
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	25-JUL-08
	:	Modif.approved Mining Scheme	25-AUG-09
	:	Renewal under rule 24 MCR1960	02-AUG-12
	:	MP review under 17(1) MCR 2016	15-MAR-18

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PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	3.60 ha area already explored in G2	3.60 ha area already explored in G2	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	3.60 ha area to be explored in G1	3.60 ha area to be explored in G1	
1e	Balance reserve as on 01/04/20	122 (Mn) - 425412 222 (Mn) - 271644	122 (Mn) - 425412 222 (Mn) - 271644	
1f	General remarks of inspecting officers on geology, exploration etc			On the basis of working pit it has been observed that the lease area is capped by Laterite containing low grade Iron Ore and Mn Ore and this Laterite is again resting over Mn Ore and Iron Ore associated with Phyllites while the northern part is only for Phyllite. Below the capping the occurrence of Mn Ore/ Iron Ore is found in bedded form with Phyllites. The capping zone has majority of Laterite with residual Fe rich segregate considered as Iron Ore along with Mn Ore.

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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	in the centre of the pit	in the centre of the pit	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in overburden and mineral proposed	Separate benches in overburden and mineral maintained	
2c	Stripping ratio or ore to OB ratio	1:0.12	1:0.03	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	10116	1620	violation pointed out under rule 11(1) of MCDR 2017
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development was lagging behind approved proposals. violation pointed out under rule 11(1) of MCDR 2017

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	80044	55001	Violation pointed out under Rule 11(1) of MCDR 2017.
3c	Recovery of sailable/usable mineral from ROM production	Not proposed	100%	
3d	Quantity of mineral reject generation	NA	NA	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	NA	NA	

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3g	Grade of sub grade mineral generation	NA	NA
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	NA
3j	Provision of drilling and blasting in mineral benches	Not proposed	Not observed
3k	Provision of mining machineries in mineral benches		BACK HOE 1.100 CUM 2 Non Electrical Opencast DUMPER 24.000 TONNE 4 Non Electrical Opencast JEEP/TRACTOR 50.000 HP 1 Non Electrical Opencast
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	proposed	benches in ore maintained by and large as per approved document on date of inspection(03/03/2022)
3m	Total area covered under excavation/pits	1.84 HA	1.84 HA
3n	Ore to OB ratio for the pit/mine during the year.	1:0.12	1:0.03
3o	Total area put in use under different heads at the end of year	2.9436 ha	3.24 ha
3p	Production of ROM mineral during the last five year period as applicable	2016-17 68283 2017-18 18795 2018-19 57129 2019-20 75374 2020-21 80044	2016-17 22000 2017-18 15000 2018-19 43600 2019-20 52000 2020-21 55001

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3q General remarks of inspecting officers on method of mining etc.

The excavation/product ion were lagging behind the approved proposals & hence violation pointed out under Rule 11(1) of MCDR 2017.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping of OB proposed	Separate dumping of OB done	
4b	Location of topsoil, OB and mineral reject dumps	In western portion of the lease	In western portion of the lease	
4c	Number of dumps within lease area and outside of lease area	02 within lease	02 within lease	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	within UPL	within UPL	
4e	Number of active and alive dumps.	02	02	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Nil	
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management			The waste dumps are temporary in nature & will be used for backfilling in future.

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 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.	full extraction of mineral from mined out area proposed before starting backfilling	Backfilling is yet to be commenced.	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No topsoil generation proposed.	Nil	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No backfilling and reclamation carried out.

 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).	Yes	Submitted	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	Nil	80 nos of saplings planted in barrier zone.	
6d	No. of saplings planted during the year	Nil	80 nos of saplings planted in barrier zone.	
6e	Cumulative no .of plants	Nil	200 nos approx.	

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6f	Any other method of rehabilitation	NA	NA
6g	Cost incurred on watch and care during the year	NA	NA
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NA	NA
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NA	NA
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NA	NA
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA

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6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	Environment monitoring (core zone & buffer zone) is done	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PMCP compliance & progressive closure operations needs improvement and the proposals viz garland drain, fencing, retaining wall & enhanced green belt development were incorporated in the latest approved plan.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatch aftergradewise sorting proposed	ROM mineral dispatch aftergradewise adopted	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines.	Proposed.	Below 25% Mn. Below 55% Iron ore Fines. Below 55% Iron ore Lumps and Cement Grade Alumina.	
7d	Any beneficiation process at mines	Not proposed	Not done	

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7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No beneficiation process adopted at mines.
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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	NA as no topsoil is generated.	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps proposed	Separate dumps for overburden maintained.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposals	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposals	10 trees within lease	
8g	Survival rate	NA	80%	
8h	Water sprinkling on roads to control airborne dust	Yes	Water sprinkling on roads to control airborne dust done	

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8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty in and around mine area needs to improve.
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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	MR and AR submitted online	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Manager -BINOD PRASAD Geologist in charge- SAILENDRA VISHWAKARMA	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	given	(i) Already exploited & abandoned by opencast (O/C) mining 3.600 (ii) Covered under current (O/C)Workings 3.600 (iii)Reclaimed/Rehabilitated0.000 (iv) Used for waste disposal 0.050 (v) Occupied by plant, buildings,residential, welfare buildings & roads 0.150	
9d	Scrutiny of Annual return on afforestation	Given	Number of trees planted during the year Within lease area -10; Outside lease area-20 Survival rate in percentage 80.00	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given	Furnished	

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9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	yes	Details furnished.
9h	Scrutiny of Annual return on fixed assets	given	Value of Fixed Assets (in Rs.) 34660166
9k	Scrutiny of Annual return on mining machineries	given	machinery Capacity of each unit No.of units Electrical/ Non-Electrical (specify) Used in opencast/ underground (specify) BACK HOE 1.100 CUM 2 Non Electrical Opencast DUMPER 24.000 TONNE 4 Non Electrical Opencast JEEP/TRACTOR 50.000 HP 1 Non Electrical Opencast

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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)	30-JUN-22		MCDR17 Rule 11(30-JUN-22	23-SEP-22
MCDR17 Rule 34(1)	30-JUN-22		MCDR17 Rule 34(30-JUN-22	23-SEP-22

Date :

(ROBERT SIMON C)

Indian Bureau of Mines