

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

Review and updation of Mining Plan REPORT

Nagpur regional office

Mine file No : MP/BGT/MN-61/NGP

Mine code : 40MPR01065

- (i) Name of the Inspecting : **G002**) **OM PRAKASH GOPAL**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri Sandesh Jain, Partner
Official with
Designation
- (iv) Date of Inspection : 02-MAY-19
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SELWA (4.096 HA.)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : BALAGHAT
Village : SELWA
Taluka : KATANGI
Post office : SELWA
Pin Code : 481445
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest :
2. Address for :
correspondance :
3. (a) Lease Number : MPR2545
(b) Lease area : 4.91
(c) Period of lease : 20
(d) Date of Expiry : 22-MAR-29
4. Mineral worked : MANGANESE ORE Main

5. Name and Address of the

Lessee : SHRI MAHESH MISHRA
314, KAILASPURI, TIKARAPARA
RAIPUR RAIPUR CHHATTISGARH
Phone:
FAX :

6. Date of approval of Mining : Modif.of approved Mining Plan 30-AUG-13
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 16-MAR-15

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal in previous year	-	
1b	Exploration over lease area for geological axis 1 or 2	No proposal	-	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No Proposal	-	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	-	-
1e	Balance reserve as on 01/04/20	As on 1/4/2014 : 71000 tonnes	-	-
1f	General remarks of inspecting officers on geology, exploration etc	-	-	Manganese deposit of the area belongs to Saussar series. As per mining plan approved on 16/3/2015, a total of 4 boreholes were drilled and resources were estimated in G1 and G2 categories.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Extension of pit faces towards south direction	Extension of pit towards south direction.	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in top soil, OB and mineral .	Separate benches in top soil, OB and mineral .	-

2c	Stripping ratio or ore to OB ratio	1:7.6	NA	-
2d	Quantity of topsoil generation in m3	3080m3	NA	-
2e	Quantity of overburden generation in m3	31200m3	NA	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	There is less production against approved proposal as a result pit development is also in lower side.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	-
3b	Quantity of ROM mineral production proposed	10800 tonnes	4900 tonnes	-
3c	Recovery of sailable/usable mineral from ROM production	80%	80%	-
3d	Quantity of mineral reject generation	675 tonnes	NA	-
3e	Grade of mineral rejects generation and threshold value declared.	Not mentioned	NA	-
3f	Quantity of sub grade mineral generation.	5% of total ROM production	NA	-
3g	Grade of sub grade mineral generation	18% Mn	NA	-

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.	None	None	-
3j	Provision of drilling and blasting in mineral benches	Drilling of 34 mm dia hole from 0.90 to 1.20 m depth	Drilling and blasting done as per proposal	-
3k	Provision of mining machineries in mineral benches	Yes	Yes	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	-
3m	Total area covered under excavation/pits	2.28 Ha	1.5 ha (approx)	-
3n	Ore to OB ratio for the pit/mine during the year.	1:7.6	NA	-
3o	Total area put in use under different heads at the end of year	3.935 ha	3 ha (approx)	-
3p	Production of ROM mineral during the last five year period as applicable	2014-15 : 10800 tonnes 2015-16 : 10800 tonnes 2016-17 : 10800 tonnes 2017-18 : 10800 tonnes 2018-19 : 10800 tonnes	2014-15 : 2230 tonnes 2015-16 : 4349 tonnes 2016-17 : 9145 tonnes 2017-18 : 1100 tonnes 2018-19 : 4900 tonnes	-

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

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Seperate dumping for top soil, OB, and mineral rejects proposed	Seperate dumping for top soil, OB, and mineral rejects as proposed	-
4b	Location of topsoil, OB and mineral reject dumps	Seperate dumps for top soil, OB and mineral rejects proposed along eastern lease boundary	Seperate duming as per proposal	-
4c	Number of dumps within lease area and outside of lease area	3 dumps	3 dumps	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	outside UPL	outside UPL	
4e	Number of active and alive dumps.	3	3	-
4f	Number of dead dumps.	None	None	-
4g	Number of dumps established.	None	None	-
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	Not mentioned	-	-
4j	Number of settling ponds	None	-	-

4k	Specific comments of inspecting officer on waste dump management	-	-	All the three dumps are partly outside the lease area. During inspection lessee informed that shape of the lease area has been changed and area is yet to be redemrcated by State Govt. After DGPS survey and signing of supplementary deed dumps will be rehandled and proposal in this regard will be incorporated in next document.
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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.	No proposal of backfilling.	-	-
5b	Area under backfilling of mined out area	No proposal of backfilling.	-	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal of backfilling.	-	-
5d	Total area fully reclaimed and rehabilitated	No proposal .	-	-

5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposal of backfilling.	-	-
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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) .	0.036 ha	-	-
6c	afforestation done (ha).	0.036 ha	-	-
6d	No. of saplings planted during the year	40	30	-
6e	Cumulative no .of plants	Not mentioned	-	-
6f	Any other method of rehabilitation	None	-	-
6g	Cost incurred on watch and care during the year	Rs 4000/	NA	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	-	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	-	-

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No proposal	-	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No propopsal	-	-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	-	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Plantation of 40 saplings	30 saplings	-
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.036 ha	NA	-
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not mentioned	-	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring in core zone and buffer zone proposed	Monitoring done as per proposal	-

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	-
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting	Grade wise sorting	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	-
7c	Different grade of mineral sorted out at mines.	Not mentioned	-	-
7d	Any beneficiation process at mines .	None	-	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	-

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Seperate removal and stacking	Seperate removal and stacking	-

8b	Concurrent use or storage of topsoil	No proposal of concurrent use	-	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Seperate dumping of OB and rejects	Seperate dumping of OB and rejects	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	-	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	-	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NA	-	-
8g	Survival rate	Not mentioned	60%	-
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	-

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	MR submitted. AR for reporting period not submitted	-	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	AR for reporting period not submitted	-	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	AR for reporting period not submitted	-	-
9d	Scrutiny of Annual return on afforestation	AR for reporting period not submitted	-	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	AR for reporting period not submitted	-	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	AR for reporting period not submitted	-	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	AR for reporting period not submitted	-	-
9h	Scrutiny of Annual return on fixed assets	AR for reporting period not submitted	-	-
9k	Scrutiny of Annual return on mining machineries	AR for reporting period not submitted	-	-

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)	24-MAY-19	MCDR17	Rule 11(1)	24-MAY-19

Date :

(OM PRAKASH GOPAL)

Indian Bureau of Mines