

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

**MCDR inspection REPORT**

**Nagpur regional office**

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

**Mine code :** 40MPR01065

- (i) Name of the Inspecting : **GQ08** ) **ABHISHEK RANJAN GAUTAM**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri Sandesh Jain, Lessee Representative and Shri San  
Official with  
Designation
- (iv) Date of Inspection : 10-MAR-22
- (v) Prev.inspection date : 27-SEP-13

**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	03 Bore holes	Nil	Violation pointed out for the same.
1b	Exploration over lease area for geological axis 1 or 2	Exploration proposed to be done in G-1	Not completed as per approved document	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	G2-.0475 HECT ,TOTAL =4.906 HECT	Exploration not done in 2020-21. Violation pointed out for the same
1e	Balance reserve as on 01/04/20		Total Reserve 42440 tone	
1f	General remarks of inspecting officers on geology, exploration etc			Exploration not done in 2018-19. Violation pointed out for the same.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Proposed to develop the pit towards East of lease with 5 mtrs bench height	Development work done as per proposal.	
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	1:26.52	1:2	
2d	Quantity of topsoil generation in m3	18704 Cubic meter	Nil	Violation pointed out

2e	Quantity of overburden generation in m3	112422 cubic meter	20000 cubic meter	Violation pointed out
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.

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	One pit	
3b	Quantity of ROM mineral production proposed	4956 metric tons	2460 metric tons	Violation pointed out for same
3c	Recovery of sailable/usable mineral from ROM production	proposed	nil	no work done in review year.
3d	Quantity of mineral reject generation	354 cubic meter	nil	
3e	Grade of mineral rejects generation and threshold value declared.	20% MN	Nil	no work done in review year. proposed to keep this material for future, stacked.
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	Not appilacle	Not appilacle	
3h	Manual / Mechanised method adopted for segregating from ROM	manual	not seen	LESS done in review year.

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3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Not applicable
3j	Provision of drilling and blasting in mineral benches	Yes, Jack Hammers & Wagon Drill	Yes, Jack Hammers & Wagon Drill
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	5 to 6mtr, suitable	suitable
3m	Total area covered under excavation/pits	2.060 ha	2.060 ha
3n	Ore to OB ratio for the pit/mine during the year.	1:26.52	1:2
3o	Total area put in use under different heads at the end of year	4.7737 ha	4.7737 ha
3p	Production of ROM mineral during the last five year period as applicable	2015-16-10800 T 2016-17 - 10800 T 2017-18 - 10800 T 2018-19 - 10800 T 2019-20 - 690 T 2020-21 - 4956 T	2015-16 - 326 T 2016-17 - 7360 T 217-18 - 1100 T 2018-19 - 5650 T 2019-20 - 00 T 2020-21 - 2460 T

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

Development is  
lagging form the  
proposed quantity.  
Violation pointed  
out for the same.

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed.	Done	
4b	Location of topsoil, OB and mineral reject dumps	Eastern part of the lease area	As per proposal	
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)	Eastern part of the lease area	As per proposal	
4e	Number of active and alive dumps.	01	01	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	02	02	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed	Not applicable	
4i	Length of Retaining wall or garland drain all along dumps	Not proposed	Not applicable	
4j	Number of settling ponds	Nil	Nil	

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4k	Specific comments of inspecting officer on waste dump management	The dumps were proposed to be used for reclamation & rehabilitation of mined out pit after mining.
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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.	backfilling proposed after full extraction of mineral	As per approved proposals, Backfilling was not done in 7.5m barrier zone	
5b	Area under backfilling of mined out area	7.5 meter barrier zone	Not done as per proposal	Violation pointed out for same
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Not applicable	
5d	Total area fully reclaimed and rehabilitated	no proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			As per approved proposals, Backfilling was not done in 7.5m barrier zone

#### 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	Not submitted	Violation pointed out for the same.

6b	Area available for rehabilitation (ha) .	no proposal for mined out benches. nil	nil	
6c	afforestation done (ha).	0.009 HA	0.009 HA	
6d	No. of saplings planted during the year	10 Nos	100 Nos	
6e	Cumulative no .of plants	Not proposed	Not given	
6f	Any other method of rehabilitation	Not proposed	Not applicable	
6g	Cost incurred on watch and care during the year	Not proposed	Not applicable	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Backfilling proposed in 7.5 meter barrier zone	Not done as per proposal	Violation pointed out for same.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed	Not applicable	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Plantation on backfilled 7.5 mtr barrier zone	Not done as per proposal	Violation pointed out for same.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	no proposal for backfilling/reservoir	no proposal for backfilling/reservoir	



6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not proposed	Not applicable	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	10 trees	100 trees	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	plantation	plantation	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Yes	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			yearly report in respect of rule 26(2) of MCDR 2017 has not been submitted for the year 2020-21 Violation pointed out for the same.

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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	

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7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	SIZING AND SORTING IN VARIOUS GRADES	DONE	
7d	Any beneficiation process at mines .	Not proposed	Not done. only manual jigging.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			LESS WORK DONE DURING YEAR.

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate stack of top soil	Separate stack of top soil	
8b	Concurrent use or storage of topsoil	CONCURRENT	NOT SEEN	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	YES PROPOSED	DUMPS SEEN OF PREVIOUS YEARS.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Not applicable	

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8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Not applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation is to be done at waste land	Plantation is being done.	
8g	Survival rate	80%	70%	
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			Plantation was done in the green belt. the mine needs systematic development of the benches

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR from Apr - 20 to Mar - 21 and AR of 2020-21 are to be submitted	MR from Apr - 20 to Mar - 21 and AR of 2020-21 are submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Mining Engineer & Geologist are appointed as per AR	

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9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current working - 2.060 ha Reclaimed/Rehabilitated area -00 ha Used for waste disposal- 2.280 ha
9d	Scrutiny of Annual return on afforestation	Total 300 trees planted Within lease area - 100 Outside lease area - 200
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM - 2460 Tonnes (As per AR)
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	as per AR
9h	Scrutiny of Annual return on fixed assets	as per AR
9k	Scrutiny of Annual return on mining machineries	as per AR

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**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)	23-MAR-22			
MCDR17	Rule 26(2)	23-MAR-22			
MCDR17	Rule 27(1)	23-MAR-22			
MCDR17	Rule 31(1)	23-MAR-22			
MCDR17	Rule 35(2)	23-MAR-22			

**Date :**

**(ABHISHEK RANJAN GAUTAM)**

Indian Bureau of Mines