

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

**MCDR inspection REPORT  
Jabalpur regional office**

**Mine file No :** MP/JABALPUR/IRON ORE -15

**Mine code :** 30MPR18017

- (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 : 07-MAR-20
- (v) Prev.inspection date : 02-DEC-16

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **GOSALPUR (12.77HA)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : JABALPUR  
Village : GOSALPUR  
Taluka : SIHORAAND  
Post office : GOSALPUR  
Pin Code : 483222  
FAX No. : NA  
E-mail : NA  
Phone :
- (f) Police Station : GOSALPUR
- (g) First opening date : 07-NOV-11
- (h) Weekly day of rest :
2. Address for : NARAYAN METALS & MINERALS  
correspondance BENGALI CLUB MARKET, KARAMCHAND CHOWK,  
JABALPUR (M.P.) 482002
3. (a) Lease Number : MPR2265  
(b) Lease area : 12.77  
(c) Period of lease : 20  
(d) Date of Expiry : 07-APR-29
4. Mineral worked : MANGANESE ORE Associated  
IRON ORE Main

## 5. Name and Address of the

Lessee : NARAYAN METALS & MINERALS  
3, BENGALI CLUB MARKET  
KARAMCHAND CHOWK JABALPUR  
JABALPUR MADHYA PRADESH  
Phone:  
FAX :

Owner : NARAYAN METALS & MINERALS  
3, BENGALI CLUB MARKET,  
KARAMCHAND CHOWK JABALPUR  
JABALPUR MADHYA PRADESH  
Phone:  
FAX :

6. Date of approval of Mining Plan/Scheme of Mining	:	Modif.of approved Mining Plan	20-SEP-13
		Mining Scheme rule 12 MCDR1988	13-AUG-14
		Modif.approved Mining Scheme	22-JUN-15
		MP review under 17(1) MCR 2016	26-APR-19

## 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	NO PROPOSAL	IN G2	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NOT GIVEN		
1d	Balance area to be explored to bring Geological axis in 1 or 2	NOT GIVEN		
1e	Balance reserve as on 01/04/20	AS ON 1.4.2019	111-507229.2,122-65334 TIRON ORE ,MN-122-51662,RESOURCES :122-31590,IRON ORE	
1f	General remarks of inspecting officers on geology, exploration etc			BORE HOLES IN LAST APPROVED PLAN NOT DONE. A REVISED PLAN INCORPOATING PROPOSAL IS APPROVED FROM YEAR 19-20.IRON ORE AND MANGNESE ORE ARE MINED.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	SOUTH EAST SIDE OF PIT 1	SOUTH EAST SIDE OF PIT 1	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	2-6 MTR BECHES	2-6 MTR BENCHES	ORE IS RECOVERD FROM TOTAL EXCAVATION..
2c	Stripping ratio or ore to OB ratio	1:0.5	VERY LESS	

2d	Quantity of topsoil generation in m3	--	--	
2e	Quantity of overburden generation in m3	41100M3	20M3	MINES HAS NOT OPERATED DUE TO EC RESTRICTION/POOR DEMAND.REVISED PLAN APPROVED FROM 19-20.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			VERY LESS WORK IS DONE.ONLY 20M3 DEVELOPMENT IS DONE.A REVISED PLAN IS APPROVED FROM YEAR 19-20.POOR DEMAND EC LESS.

---

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	105300 T	400 T	IRON ORE
3c	Recovery of sailable/usable mineral from ROM production	YES	DONE	15% INTERCALATED WASTE
3d	Quantity of mineral reject generation	NP	NIL	
3f	Quantity of sub grade mineral generation.	NOT PROPOSED	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	MECHANISED	MECHANISED	

---

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NOT PROPOSED	NIL
3j	Provision of drilling and blasting in mineral benches	NOT PLANNED	NIL
3k	Provision of mining machineries in mineral benches	YES	PROVIDEDED
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	2-6 MTR	2-6 MTR
3m	Total area covered under excavation/pits	1.9HECT	0.690 HECT
3n	Ore to OB ratio for the pit/mine during the year.	1:.54	VERY LESS
3o	Total area put in use under different heads at the end of year	6.213 HECT	1.6 HECT
3p	Production of ROM mineral during the last five year period as applicable	2014-15 2900 T 2015-16 113069 T 2016-17 120405 T 2017-18 99450T 2018-19 105300 T	2014-15 790 T 2015-16 2600 T 2016-17 2900.80 T 2017-18 00.0T 2018-19 400 T

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

IT IS HILLY  
AREA.VERY LESS  
PRODUCTION IS DONE  
DURING PLAN PERIOD  
DUE TO EC  
CONSTRAINT.REVISED  
PLAN IS MADE FROM  
YEAR 19-20.

### Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	WASTE/LATERITE	WASTE /LATERITE	SEPERATE DUMPING FOR WASTE AND LATERITE
4b	Location of topsoil, OB and mineral reject dumps	IN NORTH EAST	IN NORTH EAST.	
4c	Number of dumps within lease area and outside of lease area	06	05	
4e	Number of active and alive dumps.	5	OLD DUMPS NOT ACTIVE	
4f	Number of dead dumps.		05	
4g	Number of dumps established.		05	
4h	Whether Retaining wall or garland drain all along dumps are there.	PRPOSED	MADE	
4i	Length of Retaining wall or garland drain all along dumps	700	750MTR	

4k	Specific comments of inspecting officer on waste dump management	DUMPS ARE OLD.NEGLIGIBLE MINING AND WASTE GENERATION IN REVIEW YEAR.TOE BUND AND DRAIN AT BOTTOM OF DUMPS SEEN.
----	--	---

---

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.	BARRIER ZONE	BACKFILLING	
5b	Area under backfilling of mined out area	250M2 ,BARRIER DONE		
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NOT PROPOSED	NA	
5d	Total area fully reclaimed and rehabilitated	NOT PROPOSED	NA	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			BACKFILLING IS DONE IN BARRIER ON EASTERN SIDE.

---

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 PROPOSAL	
6c	afforestation done (ha).	NO PROPOSAL FOR MINED OUT BENCHES	
6d	No. of saplings planted during the year	NO PROPOSAL FOR MINED OUT BENCHES	
6e	Cumulative no .of plants		200 PLANT CUMULATIVE
6f	Any other method of rehabilitation	NO PROPOSAL FOR MINED OUT BENCHES	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NO PROPOSAL FOR MINED OUT AREA.ONLY SMALL BARRIER AREA FILLING PLANNED.	DONE
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 on backfilled area	NO PROPOSAL	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NO PROPOSAL	



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)	NO PROPOSALS		
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			IT IS NEW MINE.NOT MUCH WORK DONE IN MININGDURING PLAN PERIOD.ONLY PLANTAATION IN BARRIER IS DONE.

---

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	GRADE WISE	GRADE WISE	

---

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	MECHANISED	MANUAL	EC AWAITED
7c	Different grade of mineral sorted out at mines.	FE-UPTO 50, FE50-54, fe-52-54	NOT OBSERVED.	
7d	Any beneficiation process at mines .	NO	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			LOW GRADE IRON ORE WITH PHYLLITE IS MINED.

---

**Environment :**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NOT PROPOSED	NIL	
8b	Concurrent use or storage of topsoil	NOT PROPOSED		
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	YES - WASTE, LATERITE	MADE	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NOT IN THIS PLAN PERIOD	NIL	

---

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NO PROPOSALS	na	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	10 NOS.	CUMULATIVE 200, ADDITIONAL 10	
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	YES	DONE	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			SOME PLANTATION IN MINES AND BARRIER IS OBSERVED.

---

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		YES SUBMITTED.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	MINING ENGINEER- NIRMAL KUWRETI		
9d	Scrutiny of Annual return on afforestation	50 nos planted		

---

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	cop- 249Rs/T
9h	Scrutiny of Annual return on fixed assets	details not given.
9k	Scrutiny of Annual return on mining machineries	DUMPER 20.000 TONNE 2 Non Electrical Opencast SHOVEL (HYDRAULIC) 1.000 CUM 1 Non Electrical Opencas details given

---

**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 26(2)	14-MAY-20	07-AUG-20				
MCDR17	Rule 45(1)	14-MAY-20	07-AUG-20				
MCDR17	Rule 35(1)	14-MAY-20	07-AUG-20				
MCDR17	Rule 11(1)	14-MAY-20	07-AUG-20				

**Date :**

**(SANDEEP KUMAR SINGH)**

Indian Bureau of Mines