

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

MCDR INSPECTION REPORT

Nagpur regional office

Mine file No : MAH/GND/FE-3/NGP

Mine code : 30MSH31003

- (i) Name of the Inspecting : **B014**) **CHANDRESH BOHRA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Shri NitinWath, Agent
Official with
Designation
- (iv) Date of Inspection : 08-Jul-21
- (v) Prev.inspection date : 21-Aug-19

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MANEGAON (37.34 H)**
- (b) **Registration NO.** : **IBM/4800/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : MAHARASHTRA
- District : GONDIA
- Village : MANEGAON
- Taluka : AMGAON
- Post office : AMGAON
- Pin Code : 441902
- FAX No. : 07104-237583
- E-mail : NONE
- Phone : 07104-237583
- (f) Police Station :
- (g) First opening date : 19-Jul-07
- (h) Weekly day of rest : SUN
2. Address for : M/S JAYASWALS NECO INDUSTRIES LTD.
correspondance : F-8, MIDC, HINGNA ROAD
NAGPUR 440016
3. (a) Lease Number : MSH0343
- (b) Lease area : 11
- (c) Period of lease : 50
- (d) Date of Expiry : 26-Jul-55
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : M/S JAYASWALS NECO LTD.
 F/8, MIDC Industrial Area
 Hingna Road, Nagpur- 16
 NAGPUR MAHARASHTRA
 Phone:
 FAX :

Owner : JAYASWALS NECO LTD.
 F-8, MIDC, HINGNA ROAD
 NAGPUR NAGPUR MAHARASHTRA
 Phone:
 FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	27-Jan-05
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	07-Dec-12
	:	MP modif under MCR 1960	18-Dec-15
	:	FMCP under 23C(1)	14-Mar-16
	:	MP review under 17(1) MCR 2016	01-Apr-20
	:	FMCP under 23C(1)	17-Sep-20

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	Nil	Whole potentially mineralized area is converted to G1 level	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No such proposal	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20		1708Tonnes as per Annual return of year 2020-21	
1f	General remarks of inspecting officers on geology, exploration etc			Mineral is almost on exhaustion. FMCP is also prepared and approved .

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N2362100- N2362200 & E426500 to E-426700	work done at proposed location	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	only one bench is proposed from which mineral and waste is recovered.	work done as per proposal	
2c	Stripping ratio or ore to OB ratio	1:1.82	1:2.33	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	1944 cum	1923cum	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Development activity was done as per proposed location
----	---	--

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	1700 tons	1321tons	
3c	Recovery of sailable/usable mineral from ROM production	20%	20%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	
3f	Quantity of sub grade mineral generation.	No such proposal	Nil	
3g	Grade of sub grade mineral generation	No such proposal	Nil	
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.	No such proposal	Nil	
3j	Provision of drilling and blasting in mineral benches	No such proposal	Nil	

3k	Provision of mining machineries in mineral benches	Nil	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	1-1.5 m	1-1.5 m	
3m	Total area covered under excavation/pits	.243 ha	0.243ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:1.82	1:2.33	
3o	Total area put in use under different heads at the end of year	area under pit- 2.174 ha, mineral storage- 0.20 ha, area under road- .0710 ha, rain water harvesting pond- .4385 ha at the end of plan period		
3p	Production of ROM mineral during the last five year period as applicable	2015-16- 3280 tons 2016-17- 3280 tons 2017-18- 3280 tons 2018-19- 3280 tons 2019-20- 3280 tons	2015-16-1727 tons 2016-17- 862 tons 2017-18- 1641 tons 2018-19- 1696 tons 2019-20- 1691 tons	
3q	General remarks of inspecting officers on method of mining etc.	Mine is run with manual method of mining and work is done as per proposals.		

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	no top soil and mineral reject, ob removed is proposed to be backfilled	OB was backfilled as proposed	

4b	Location of topsoil, OB and mineral reject dumps	E426591-E426652 E426652 N2362080 to N 2362173	E426591-E426652 N2362080 to N 2362173	
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	
4e	Number of active and alive dumps.	Nil	Nil	
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	No such proposal	Nil	
4j	Number of settling ponds	No such proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management			Waste handling was done as per proposal and backfilled in the excavated area. During inspection grass seeding was also going on dumps.

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.	0.4830 ha	0.4830 ha	
5b	Area under backfilling of mined out area	0.4830 ha	0.4830 ha	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	
5d	Total area fully reclaimed and rehabilitated	1.2582 ha	1.2582 ha	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Voids created by excavation is backfilled as per proposal

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).	PMCP report must be submitted by 1st of July of every year for preceding year	submitted	
6b	Area available for rehabilitation (ha) .	No such proposal	Nil	
6c	afforestation done (ha).	3.5 ha	3.5 ha (aready planted inbetween saplings planted)	
6d	No. of saplings planted during the year	2450 nos	3000 nos.	
6e	Cumulative no .of plants		4050 nos	
6f	Any other method of rehabilitation	no such proposal	Nil	
6g	Cost incurred on watch and care during the year	2 Lakh	2 Lakh	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	0.4830 ha	0.4830 ha	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0.4830 ha	0.4830 ha
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No such proposal	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposal	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No such proposal	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	3.5 ha	3.5 ha
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	3.5 ha	3.5 ha
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)	Environment monitoring six monthly	environmental monitoring done and reports are well within limit

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Progressive mine plan proposal are implemented as per proposal. Plantation done as per proposal and backfilling done.
----	---	---

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	1700 tons	1320tons	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.			
7d	Any beneficiation process at mines .	No such proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			All the quality of stone is used by blending high grade and low grade mineral

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	
8b	Concurrent use or storage of topsoil	Nil	Nil	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	no such proposal	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Backfilling	Backfilling done	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Pits by backfilling	Backfilling done	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Nil	Nil	
8g	Survival rate		80%	
8h	Water sprinkling on roads to control airborne dust	Water tanker	Water tanker deployed	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Environment is protected by deploying water tanker and plantation.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

9a	Status of submission of Monthly and Annual returns	Monthly return shall be submitted by 10th of every month and Annual return must be submitted by 1st of July of every month for the preceding year.	Annual return for 2020-21 has been filled and Monthly return upto July 2021 has been furnished.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Shri R.K.Shrivastava - Manager & Engineer, Geologist Part Time- Shri Suresh Sonkar	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	already abandoned- 1.741 ha, covered under current opencast working- 0.243 ha, reclaimed- 1.741 ha, other purpose plantation- 3.5 ha	
9d	Scrutiny of Annual return on afforestation	2500 nos	
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	below 55 % lumps- 118.70 tons, below 55% fines- 94.905 tons	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	EMP- & Cost of production- 1554 Rs/T , No sale value as captive mine	
9h	Scrutiny of Annual return on fixed assets	Nil	

9k	Scrutiny of Annual return on mining machineries	Nil
----	--	-----

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

Date :**(CHANDRESH BOHRA)**

Indian Bureau of Mines