

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

MCDR INSPECTION REPORT

Nagpur regional office

Mine file No : MAH/GND/FE-1/NGP

Mine code : 30MSH31001

- (i) Name of the Inspecting : **D025**) **S. M. DORLE**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri Jaiprakash Mines Manager, Shri Nitin Wath
Official with
Designation
- (iv) Date of Inspection : 11/08/2017
- (v) Prev.inspection date : 18/10/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **DHOBITOLA (2.61 H)**
- (b) **Registration NO.** : **IBM/4800/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : MAHARASHTRA
District : GONDIA
Village : DHOBITOLA
Taluka : AAMGAON
Post office : AAMGAON
Pin Code : 490016
FAX No. : NIL
E-mail : NIL
Phone : 07172-264240
- (f) Police Station : AMGAON
- (g) First opening date : 04/08/2003
- (h) Weekly day of rest :
2. Address for : F-8, MIDC, HINGNA ROAD,
correspondance : NAGPUR
3. (a) Lease Number : MSH0298
- (b) Lease area : 2.61
- (c) Period of lease : 20
- (d) Date of Expiry : 16/07/2023
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : JAYASWALS NECO LTD.
F-8, MIDC, HINGNA ROAD,
NAGPUR 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	23/05/2003
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	23/11/2009
		Mining Scheme rule 12 MCDR1988	28/02/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Drilled 7 boreholes in year 2014-2015 (Aug-Sept 2014)	
1b	Exploration over lease area for geological axis 1 or 2	Nil	Drilled 7 boreholes in year 2014-2015(Aug-Sept 2014)	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	In house drilling: Tentative expenditure is Rs 1.25 Lacs	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20	Balance reserves as on 01.04.2017 Total Reserve (2015-16) - 80,837 MT	Balance Reserve -(2016-17) 78457 MT	
1f	General remarks of inspecting officers on geology, exploration etc			Exploration was done by owner of his own resources

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	For first 2 years (2013-14 to 2014-15) development at north west part and for next 2 years (2015-16 to 2016-17) development at south east part of the quarry	As per proposal	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed mineral benches	As per proposal	
2c	Stripping ratio or ore to OB ratio	Proposed	As per proposal	
2d	Quantity of topsoil generation in m3	Not proposed	Not applicable	
2e	Quantity of overburden generation in m3	Not Proposed	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			No top soil or overburden proposed to generate as per mining plan

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	Proposed 2430 MT	Achieved 2380 for 2016-17	
3d	Quantity of mineral reject generation	Nil	Not Applicable	
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Not Applicable	
3f	Quantity of sub grade mineral generation.	Nil	Not Applicable	
3g	Grade of sub grade mineral generation	Nil	Not Applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	proposed Manual method adopted for segregating from ROM	As per proposal	

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	Manual mine- No proposal for drilling and blasting	As per proposal
3k	Provision of mining machineries in mineral benches	Not Proposed	Not Applicable
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	As per proposal.
3m	Total area covered under excavation/pits	Proposed 0.3495 Hect area covered under excavation/pits	As per proposal
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Not Applicable
3o	Total area put in use under different heads at the end of year	Mining - 0.3495 Ha Road - 0.13 Ha Green Belt - 0.45 Ha Total Area - 0.9295 Ha	Mining - 0.3495 Ha Road - 0.12 Ha Green Belt - 0.40 Ha Infrastructure - 0.010 Ha Total Area - 0.8795 Ha
3p	Production of ROM mineral during the last five year period as applicable	2012-13 - 2448 T 2013-14 - 2430 T 2014-15 - 2430 T 2015-16 - 2430 T 2016-17 - 2430 T	2012-13 - 2498 T 2013-14 - 2492 T 2014-15 - 2429 T 2015-16 - 2190 T 2016-17 - 2380T

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

Mine is worked as per proposal given in mining plan

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No Topsoil in the area	Not Applicable	
4b	Location of topsoil, OB and mineral reject dumps	Nil	Not Applicable	
4c	Number of dumps within lease area and outside of lease area	Nil	Not Applicable	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Not Applicable	
4e	Number of active and alive dumps.	Nil	Not Applicable	
4f	Number of dead dumps.	Nil	Not Applicable	
4g	Number of dumps established.	Nil	Not Applicable	
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Not Applicable	
4i	Length of Retaining wall or garland drain all along dumps	Nil	Not Applicable	
4j	Number of settling ponds	Nil	Not Applicable	
4k	Specific comments of inspecting officer on waste dump management			No soil, reject,waste dumps exists in the area

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.	Presently no proposal backfilling	Nil	
5b	Area under backfilling of mined out area	Nil	Not Applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Not Applicable	
5d	Total area fully reclaimed and rehabilitated	Nil	Not Applicable.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The entire area will be backfilled concerently after full extraction of mineral

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).	Proposed	Annual report on PMCP submitted on time and correctly - Rule 26(2).	
6b	Area available for rehabilitation (ha) .	Nil	Not Applicable	
6c	afforestation done (ha).	Nil	Not Applicable	
6d	No. of saplings planted during the year	Nil	Not Applicable	
6e	Cumulative no .of plants	Nil	Not Applicable	
6f	Any other method of rehabilitation	Nil	Not Applicable	
6g	Cost incurred on watch and care during the year	Nil	Not Applicable	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	Not Applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Not Applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	Nil	Not Applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Not Applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Not Applicable
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	50 Nos of trees	50 Nos of trees
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Not Applicable
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Not Applicable

6p	Compliance of environmental monitoring (core zone and buffer zone)	As per proposal Environmental monitoring is to be being carried out in accordance with Environment Clearance	Environmental monitoring is being carried out in accordance with Environment Clearance/ Consent to Operate and regular Environment Statement is being submitted to MPCB.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Environmental monitoring is being carried out in accordance with Environment Clearance

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal	ROM dispatched 2424.405 Tonnes (2016-2017)	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual Sorting	Manual Sorting	
7c	Different grade of mineral sorted out at mines.	Only one grade of average 50% of Fe content	Only one grade of average 50% of Fe content.	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			This is captive mine. Material used for there steel plant at Raipur

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal	No top soil generation	
8b	Concurrent use or storage of topsoil	Nil	Not applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Not applicable	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Not applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	The entire ore bearing area will be backfilled concurrently after fully extraction of ore	Yet not started	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 no. of saplings during each year-Given	Planted 50 no. of saplings	
8g	Survival rate	Not Given	90%	
8h	Water sprinkling on roads to control airborne dust	Not proposed	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mines area is good

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	All monthly and annual returns submitted regularly	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information on Mining Engineer given	found correct
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not given	Nil
9d	Scrutiny of Annual return on afforestation	Information Given	Information found correct
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not given	Not applicable
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Information given	Information found correct
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Information given	Information found correct Production cost- Rs 1230.16
9h	Scrutiny of Annual return on fixed assets	Not given	No fixed assests
9k	Scrutiny of Annual return on mining machineries	information not given	No machinaries

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

Date :

(S. M. DORLE)

Indian Bureau of Mines