

MCDR INSPECTION REPORT

General

SN	Particulars	Details
	Date of Inspection	18.10.2016
1	Name of the Mine	Dhobitola Titaniferous Iron Ore Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	2.61 Ha (Entire Forest Land)
3	Minecode	30MSH31001
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/4800/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Jayaswal Neco Industries Ltd, F-8 MIDC Industrial Area, Hingna Road, Nagpur PH - 07104/237276/237471 Email - nitin.wath@necoindia.com ; mines.neco@gmail.com Fax - 07104/237583
6	Village	Dhobitola
7	Taluka/Mandal	Amgaon
8	District	Gondia
9	Pincode	441902
10	State	Maharashtra
11	Post office	Thana
12	Nearest police station	Amgaon
13	Nearest Railway station	Amgaon
14	Date of Grant of Mining Lease	12.02.2003
15	Date of Execution	17.07.2003
16	Date of opening of Mine	21.06.2010(re-opening)
17	Date of first Renewal, if applicable and its period & expiry	Not Applicable
18	Date of second Renewal, if applicable and its period & expiry	Not Applicable
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Megh Pal Singh, M/s Jayaswal Neco Industries Ltd, Siltara Growth Centre , Siltara, Raipur(CG) PH - 07721/264241/264263 Email - meghpal.singh@necoindia.com Fax - 07721/264279 Appointed on - 13.11.2014
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Nitin Wath M/s Jayaswal Neco Industries Ltd, F-8 MIDC Industrial Area, Hingna Road, Nagpur PH - 07104/237276/237471 Email - nitin.wath@necoindia.com ; Fax - 07104/237583 Appointed on – 06.08.2008
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Jaiprakash Singh M/s Jayaswal Neco Industries Ltd, F-8 MIDC Industrial Area, Hingna Road, Nagpur PH - 07104/237276/237471 Email - jaiprakashsingh88@gmail.com Fax - 07104/237583

SN	Particulars	Details
		Appointed on – 16.05.2007
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Jaiprakash Singh BE(Mining), 2 nd Class Mine Manager Certificate Total Experience – 10 Years M/s Jayaswal Neco Industries Ltd, F-8 MIDC Industrial Area, Hingna Road, Nagpur PH - 07104/237276/237471 Email - jaiprakashsingh88@gmail.com Fax - 07104/237583 Appointed on – 16.05.2007
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	-Mining Plan was approved vide Letter No. GND/FE/MPLN-842/NGP dated 23.05.2003 -First Mining Scheme was approved vide Letter No. GND/FE/MPLN-842/NGP dated 23.11.2009 (Period 2008-09 to 2012-13) -Second Mining Scheme was approved vide Letter No. GND/FE/MPLN-842/NGP dated 28.02.2014 (Period 2013-14 to 2017-18)
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Mining Scheme approved on 28.02.2014 (Period – 2013-2014 to 2017-2018) Mining Scheme is due for submission on 01.10.2017
27	Mineral(s) granted in lease and proved for mining	Titaniferous Iron Ore
28	Method of Mining(Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	Manual Mine
30	Captive/Non Captive	Captive Mine

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Not Applicable	Drilled 7 boreholes in year 2014-2015(Aug-Sept 2014)	-
1b	Exploration over lease area for Geological axis 1 or 2.	Not Applicable	As above	-
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not Applicable	In house drilling: Tentative expenditure is Rs 1.25 Lacs	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not Applicable	Not Applicable	
1e	Balance reserves as on 2015-2016	Total Reserve (2013-14) –	Total Reserve – (2015-16)	

		87948 MT	83329 MT	
1f	General remarks of inspecting officer on geology, exploration etc.	Presently area is totally explored		

Development

SN	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 south westerly direction and for next 2 years (2015-16 to 2016-17) development at north easterly direction	As per proposal	.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Nil	Not applicable	
2c	Stripping ratio or ore to OB ratio	Nil	Not applicable	
2d	Quantity of topsoil generation in m3	Nil	Not applicable	
2e	Quantity of overburden generation in m3	Nil	Not applicable	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	All the work is going on within the approved lease area as per proposal		

Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	One	One	-
3b	Quantity of ROM mineral production proposed	2430 T (2015-2016)	2190 T (2015-2016)	As per approved mining scheme
3c	Recovery of salable/usable mineral from ROM production	2430 T	2190 T	100 %
3d	Quantity of mineral reject generation	Nil	Not Applicable	-
3e	Grade of mineral reject 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	Manual Mine	Manual Mine	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Not Applicable	-
3j	Provision of drilling & 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	Nil	Not Applicable	-

SN	Item	Proposals	Actual work	Remarks
3m	Total area covered under excavation/pits	0.3495	Approx. 0.35 Ha	--
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 – 1.00 Ha	Mining – 0.3495 Ha Road – 0.13 Ha Green Belt – 0.45 Ha Total Area – 1.00 Ha (Approx.)	--
3p	Production of ROM mineral during last five-year period, as applicable	2011-12 - 2448 T 2012-13 - 2448 T 2013-14 - 2430 T 2014-15 - 2430 T 2015-16 - 2430 T	2255 T 2498 T 2492 T 2429 T 2190 T	---
3q	General remarks of inspecting officer on method of mining etc.	Mine is developed and working is found as per proposal		

Solid Waste Management-Dumping –

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No topsoil	Not Applicable	
4b	Location of topsoil, OB & mineral reject dumps	Nil	Not Applicable	
4c	Number of dumps within lease area and outside lease area	Nil	Not Applicable	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Not Applicable	
4e	Number of active & alive dumps	Nil	Not Applicable	
4f	Number of dead dumps	Nil	Not Applicable	
4g	Number of dumps stabilized	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 dump	Nil	Not Applicable	
4j	Number of settling ponds	Nil	Not Applicable	
4k	Specific comments of inspecting officer on waste dump management	There is no overburden generation/ top soil generation/ reject generation from the mine.		

Solid Waste Management-Backfilling

SN	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	The entire area will be backfilled concurrently after fully extraction of Mineral	-	.
5b	Area under backfilling of mined out area	Nil	-	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Nil	-	
5d	Total area fully reclaimed & rehabilitated	Nil	-	
5e	General remarks of inspecting officer on backfilling, reclamation etc	There is no overburden generation/ top soil generation/ reject generation from the mine		

Progressive Mine Closure Plan

SN	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E (2). Details should be given in the format as given in Annexure-20.	Yes	Yes	
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	Nil Nil Nil Nil Nil Nil	Not Applicable	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L x B x D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	Nil Nil Nil Nil	Not Applicable	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	50 Nos. of trees Nil Nil	50 No. of trees Not applicable Not applicable	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Environmental monitoring is being carried out in accordance with Environment Clearance/ Consent to Operate and regular Environment Statement is being submitted to MPCB.	Environmental monitoring done	-
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	The mine being a small manually operated mine; no rehabilitation is required as on date. Only about 0.3495 Ha area is under mining		

Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Nil	ROM dispatched 2179 MT (2015-2016)	-
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	Only one grade of average 50% of Fe	

		content	content -	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Working is in small extent on manual method. The iron ore produced from the mine is Titaniferous with average Fe content of 50%		

Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not given	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	Given	Nil	
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	Not started	
8f	Baseline information on existence of plantation & additional plantation	50 no. of saplings during each year- Given	Plantation – 50 Nos.	-
8g	Survival rate	Not given	50%	-
8h	Water sprinkling on roads to control airborne dust	Not given	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Lease area is forest land. No dust generation on road		

Compliance of Rule 45

SN	Item	Comments	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to last month i.e Sept. 2016 A.R. submitted up to 2015-2016	---

SN	Item	Details given in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information on Mining Engineer given	Information Given in annual return is found correct	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not given		
9d	Scrutiny of Annual return on afforestation	Given		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Not Applicable		

SN	Item	Details given in A.R.	Observation of I/Officer	Remarks
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Information on ROM given		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Production cost- Rs 1105.45 given		
9i	Scrutiny of Annual return on fixed assets	Not applicable		
9k	Scrutiny of Annual return on mining machineries	Not applicable		

Details of violations observed during current inspection and compliance position of earlier violation pointed out:-

No violation of rules of MCDR 1988 observed during inspection. During the last inspection dated 30.07.2013 violation of rule 45(7) was found violated, which was communicated to the party vide letter no. MAH/GND/FE-1/NGP, dated 04.09.2013. Party has complied the violation on 23.09.2013

Date 16.12.2016

(S.M.Dorle)
Assistant Mining Engineer
(Name of inspecting officer
with designation and date)