

MCDR INSPECTION REPORT

General

S. N.	Particulars	Details
1	Name of the Mine	Beldongri-II
	Date of Inspection	9/8/2017
2	Total Lease Area (Ha)	12.99 ha
3	with breakup of Non-forest and forest land Mine code	Forest- Nil , Non forest- 12.99 ha 40MSH14002
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/5711/2011
5	Name of the lessee, Address, phone, email and fax number	MOIL LTD, 1-A Katol Road, Nagpur
6	Village	0712-2806100 Satuk
7	Taluka/Mandal	Paraseoni
8	District	Nagpur
9	Pincode	441106
10	State	Maharashtra
11	Post office	Satuk
12	Nearest police station	Nagardhan
13	Nearest Railway station	Ramtek
14	Date of Grant of Mining Lease	1903
15	Date of Execution	1903
16	Date of opening of Mine	1903
17	Date of first Renewal, if applicable and its period & expiry	-
18	Date of second Renewal, if applicable and its period & expiry	Lease I : 01.04.2013 TO 31.03.2020
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri D. SHOME, Director (P & P) MOIL Bhavan, Katol Road, Nagpur. Dt of appointment as owner: 04.09.16
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Rajesh Bhattacharya, MOIL LTD, Munsar mine. PH:07114-202501
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Manoj Kumar, Beldongrimine, Satuk post, Paraseonithesil, Nagpur dist. 07102-202022
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri K.D Fulzele, Sr. mgr(Mines), B.E. in mining, Dt of joining: June 2014
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.	NGP/MN/MPLN-494 dt. 22.10.2013.
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NGP/MN/MPLN-261 /NGP Dt 24.7.2013
27	Mineral(s) granted in lease and proved for mining	Manganese ore
28	Method of Mining (Opencast, Underground)	Dump Mining
29	Category (Fully Mechanised, Others or Manual)	Others (A-OTFM)
30	Captive/Non Captive	Non captive

Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	1	1	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	nil	nil	
1e	Balance reserves/resources as on 01.04.2017	33010tonnes		From dump
1f	General remarks of inspecting officer on geology, exploration etc.	Magniferous dumps having Mn are present in the area.		

Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	MD-4,5& 6	yes	Dumps
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	nil	nil	
2c	Stripping ratio or ore to OB ratio			
		nil	nil	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	nil	l	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	This is a dump mining hence not applicable.		

Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	nil	nil	
3b	Quantity of ROM mineral production proposed 2015-16	nil	nil	
3c	Recovery of salable/usable mineral from ROM production	nil	nil	.
3d	Quantity of mineral reject generation	nil	nil	
3e	Grade of mineral reject generation and threshold value declared	nil	nil	
3f	Quantity of sub-grade mineral generation	nil	nil	
3g	Grade of sub-grade mineral generation	nil	nil	
3h	Manual / Mechanised method adopted for segregating from ROM	nil	nil	
3i	Any analysis or beneficiation study proposed & carried out for sub-	nil	nil	

SN	Item	Proposals	Actual work	Remarks
3j	Provision of drilling & blasting in mineral benches	nil	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	nil	nil	
3m	Total area covered under excavation/pits	nil	nil	
3n	Ore to OB ratio for the pit/mine during the year	nil	nil	
3o	Total area put in use under different heads at the end of year	0.165 ha	yes	
3p	Production of ROM mineral during scheme period, as applicable	nil		
3q	General remarks of inspecting officer on method of mining etc.	Only dump mining is in progress and is also at low scale.		

Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	nil	nil	
4b	Location of topsoil, OB & mineral reject dumps	nil	nil	
4c	Number of dumps within lease area and outside lease area	03	yes	Magniferous dumps
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	nil	nil	.
4e	Number of active & alive dumps	03	yes	
4f	Number of dead dumps			
4g	Number of dumps stabilised	nil	nil	Garland drains already existing
4h	Whether Retaining wall or garland	Yes	Yes	
4i	drain all along dumps are there	nil	nil	existing Garland drains already existing
4j	Length of Retaining wall or garland	nil	nil	
4k	drain all along dump	nil	nil	
4l	Number of settling ponds			
4m	Specific comments of inspecting officer on waste dump management	Retaining wall and garland drains has been made earlier and maintained as and when		

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	nil	nil	
5b	Area under backfilling of mined out area	nil	nil	

5d	Total area fully reclaimed & rehabilitated	nil	nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No back filling is proposed in this scheme as it is dump mining		

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	Plantation will be done after mine closure.
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	
6d	Compliance of Rehabilitation of waste land within lease	nil	nil	
6e	i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation Compliance of Environmental monitoring (core zone & buffer zone)	Quarterly monitoring of air, water and noise is done	yes	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Environment monitoring is done in the areas per proposal.		

Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting within lease area	yes	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual		
7c	Different grade of mineral sorted out at mines	Yes	Yes	
7d	Any beneficiation process at mines	nil	nil	
7e				

7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	It is a dump mining and the grade wise mineral sorting are done manually	
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Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil	nil	nil	As per
8b	(Rule 32) Concurrent use or storage of topsoil	nil	Nil	approved SoM
8c	Separate dumps for overburden, waste	nil	nil	
8d	rock, rejects and fines (Rule 33) Use of overburden, waste rock, rejects and	nil	nil	
8e	fines dumps for restoring the land to its original use	nil	nil	
8f	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	nil	Nil	
8g	Baseline information on existence of plantation & additional plantation	yes	yes	
8h	Survival rate	Yes	yes	
8i	Water sprinkling on roads to control airborne dust	To keep the aesthetic beauty , monitoring of environmental parameters is done along with plantation work .		
	General remarks of inspecting officer on aesthetic beauty in and around mines area			

Compliance of Rule 45

SN	Item	Comments	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto Aug2017 A.R. submitted for the year 2016-17	

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	yes	Provided	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	yes	Provided	
9d	Scrutiny of Annual return on afforestation	yes	Provided	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	yes	Provided	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	yes	Provided	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	yes	Provided	
9i	Scrutiny of Annual return on fixed assets	yes	Provided	
9k	Scrutiny of Annual return on mining machineries	yes	Provided	

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

A) Status of Violation of earlier inspection nil

B) violation observed during the inspection nil

KEWAL KRISHAN

Sr. Mining Geologist

(Name of inspecting officer with designation and date)

9e	Scrutiny of Annual return on mineral	Available as given		