

MCDR INSPECTION REPORT

General

S. N.	Particulars	Details
1	Name of the Mine	Munsar Mine
	Date of Inspection	14/7/2017
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	5.74 Ha Forest Land – 5.72 Ha Non-Forest Land – 0.02 Ha
3	Minecode	40MSH14040
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 LIMITED, 1-A Katol Road, Nagpur, 440013
6	Village	Munsar
7	Taluka/Mandal	Ramtek
8	District	Nagpur
9	Pincode	441106
10	State	Maharashtra
11	Post office	Khairi Bijewada
12	Nearest police station	Ramtek
13	Nearest Railway station	Ramtek
14	Date of Grant of Mining Lease	21/04/1972
15	Date of Execution	20/04/2016
16	Date of opening of Mine	1962
17	Date of first Renewal, if applicable and its period & expiry	18/10/1992, 20 Years,, 17/10/2012
18	Date of second Renewal, if applicable and its period & expiry	18/10/2012, 8 Years, 31/03/2020
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	-
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Dipankar Shome, Director (Production & Planning), MOIL Limited, Nagpur, 440013 dpp@moil.nic.in
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri A V Masade Munsar Mine, Munsar, P.O. – Khairi Bijewada, Nagpur, 441106, avmasade@rediffmail.com
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri D R Dekate Munsar Mine, Munsar, P.O. – Khairi Bijewada, Nagpur, 441106, drdekatemoil@rediffmail.com 07507770641
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri S B Ramteke Munsar Mine, Munsar, P.O. – Khairi Bijewada, Nagpur, 441106, sachinbramteke@gmail.com
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 under rule 24(A) of MCR-1960 is approved on 07/03/1995 for a period of 1992-2012. Modified Mining Plan under rule 17 of MCR-2016 is approved on 14/08/2017 for the period of 2015-16 to 2019-20
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	14/8/2017

27	Mineral(s) granted in lease and proved for mining	Manganese
28	Method of Mining(Open cast, Underground)	Dump Mining
29	Category (Fully Mechanised, Others or Manual)	NA
30	Captive/Non Captive	Non Captive

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	NIL	NIL	
1b	Exploration over lease area for Geological axis 1 or 2.	NIL	NIL	
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 as on 01.04.2017...		217438 T	
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1f	General remarks of inspecting officer on geology, exploration etc.	Manganiferous Dump Deposit containing Mn are present in the area.		

Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	MD-1	NIL	
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	NIL	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	No proposal		

Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	NIL	NIL	
3b	Quantity of ROM mineral production proposed	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	

SN	Item	Proposals	Actual work	Remarks
3h	Manual / Mechanized method adopted for segregating from ROM	NIL	NIL	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NIL	NIL	
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	1400m ²	Yes	
3p	Production of ROM mineral during last five-year period, as applicable	NIL	NIL	
3q	General remarks of inspecting officer on method of mining etc.	Dump area 1400 square meter		

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	One	yes	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	MD-1	yes	
4e	Number of active & alive dumps	One	yes	
4f	Number of dead dumps	NIL	NIL	
4g	Number of dumps stabilized	One	yes	
4h	Whether Retaining wall or garland drain all along dumps are there	NIL	NIL	
4i	Length of Retaining wall or garland drain all along dump	NIL	NIL	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management	There is only one active dump in the lease area , where the dump mining is in progress and retaining wall has been also made earlier		

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	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NIL	NIL	

5d	Total area fully reclaimed & rehabilitated	NIL	NIL	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No proposal		

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	
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 i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NIL	NIL	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	yes	yes	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	It is being carried out as per proposal		

Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting	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	General remarks of inspecting officer on Mineral conservation & beneficiation issues	It is a dump mining and the grade wise mineral sorting are done manually		

Environment

SN	Item	Proposals	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)	NIL	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	
8f	Baseline information on existence of plantation & additional plantation	NIL	NIL	
8g	Survival rate	NIL	NIL	
8h	Water sprinkling on roads to control airborne dust	NIL	NIL	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	To keep the aesthetic beauty , saplings are planted around the area.		

Compliance of Rule 45

SN	Item	Comments	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted jointly upto June 2017 with other three leases of Munsar. A.R. submitted jointly upto 2016-17 with other three leases of Munsar.	

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

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)

