

INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT AND REGULATION DIVISION

MCDR INSPECTION REPORT

Nagpur regional office

Mine file No : MAH/NAG/MN-137/NGP L-4

Mine code : 40MSH14051

- (i) Name of the Inspecting : K02 ) Kalmata.M.K.  
Officer and ID No.
- (ii) Designation : Regional Mining Geologist
- (iii) Accompanying mine : Shri .U.M.Bhujade., Mines Manager  
Official with  
Designation
- (iv) Date of Inspection : 18/06/2021
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) Mine Name : CHARGAON, MANSAR (0.97 HA)
- (b) Registration NO. : IBM/5711/2011
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MAHARASHTRA  
District : NAGPUR  
Village : *Chargaon*  
Taluka : *Ramtek*  
Post office : *Munsar*  
Pin Code : *441106*  
FAX No. :  
E-mail : *mm.mns@mail.mic.in*  
Phone : *7507770641*
- (f) Police Station : RAMTEK
- (g) First opening date : 01/07/1970
- (h) Weekly day of rest : SUN
2. Address for : MUNSAR MINE  
correspondance : Teh. RAMTEK  
NAGPUR
3. (a) Lease Number : *NA*
- (b) Lease area : *0.97Ha*
- (c) Period of lease : *20 years*
- (d) Date of Expiry : *31/03/2020* : *Applied for extension.*
4. Mineral worked : MANGANESE ORE Main

## 5. Name and Address of the

Lessee : MOIL LIMITED  
 MOIL BHAVAN, 1-A KATOL  
 ROAD, NAGPUR NAGPUR NAGPUR  
 MAHARASHTRA  
 Phone:  
 FAX :

Owner : ~~DEEPANKAR SHOME~~ P.V.V. Patil  
 1-A, MOIL BHAVAN KATOL ROAD  
 NAGPUR NAGPUR MAHARASHTRA  
 Phone:  
 FAX :

Agent : Shri R.U.Singh  
 Mansar Manganese Mines,  
 Village- Mansar, Tehsil -  
 Ramtek, Nagpur Dis Mansar  
 NAGPUR MAHARASHTRA  
 Phone:  
 FAX :

6. Date of approval of Mining Plan/Scheme of Mining : Renewal under rule 24 MCR1960 14/06/2007  
 Mining Scheme rule 12 MCDR1988 12/08/2009  
 MP review under 17(1) MCR 2016 14/08/2017  
 MP under 16(1) of MCR 2016 10/07/2020

Name of the mining :- Shri Udit Bhatia  
 Engineer B.E. Mining

Name of the Geologist : Shri D. Mohanta.  
 msc Geology.

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration was proposed in the year 2020-21.	Nil	
1b	Exploration over lease area for geological axis 1 or 2	Not proposed.	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	Nil.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not proposed.	Nil.	The lease area is located on the foot wall side of the orebody and it is barren. So no exploration has been proposed and carried out in the lease area.
1e	Balance reserve as on 01/04/20	As per the approved Mining plan dated 10.07.2020, the reserves/resources position is as follows. Probable Mineral Reserves (122) - 1016 tonnes.	Reserves as on 01.04.2021. Probable Mineral Reserves (122) - 1016 tonnes.	No insitu reserves are available in the lease area and reserves are estimated from existing old mineral dump only. The mine is not working due to want of forest clearance. So, reserve position is remain same as mentioned in the approved document.

1f General remarks of inspecting officers on geology, exploration etc

The lease area is located on the foot wall side of the orebody of Munsar deposit and no surface exposures of Manganese ore in this lease area . Since it isa barren area, no exploration is carried out in the lease area. The reserves were assesed from the existing old mineral dump based on the chemical analysis of Six samples of few pits made in the mineral dump. Analysis of the samples ranges from 18.23%Mn to 29.54%Mn.

## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Only dump working was proposed in the year 2020-21.	No working has been carriedout in the year 2020-21.	Final stag of forst clearance is in process. So mining has not carried out.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not proposed.	Nil	Only dump working was proposed and no mining is carried out in the year 2020-21, due to want of Forest Clearance.
2c	Stripping ratio or ore to OB ratio	No insitu working has been proposed.	Nil	Only dump working was proposed.
2d	Quantity of topsoil generation in m3	Not proposed.	Nil	Only dump working was proposed.
2e	Quantity of overburden generation in m3	Not proposed.	Nil.	Only dump working was proposed. and it was proposed to handle 262 tonnes with recovery of 20% clean ore. However, no working has been carried out due to want of Forest Clearance.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Only dump working was proposed in the year 2020-21, but no working has been carried out in the year 2020-21, due to want of forest clearance.
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## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No insitu working was proposed.	Nil	Only dump working was proposed in the present plan period and working has been not carried out in the yea 2020-21, due to want of forest clearance.
3b	Quantity of ROM mineral production proposed	262 tonnes, dump quantity with recovery of 52 tonnes clean ore was proposed in the year 2020-21.	Nil	No working has been carried out in the year 2020-21, due to want of forest clearance and deviation is - 100%. Violation is pointed out for the same under Rule 11(1) of MCDR-2017.
3c	Recovery of sailable/usable mineral from ROM production	20% recovery was proposed from dump working.	Nil	Working has been not carried out due to want of Forest Clearance.
3d	Quantity of mineral reject generation	Not proposed.	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable.	Not applicable.	Threshold value for manganese is Mn-10% Minimum.
3f	Quantity of sub grade mineral generation.	Not proposed.	Nil.	
3g	Grade of sub grade mineral generation	Not applicable.	Not applicable.	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual sorting.	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed.	Not proposed.	
3j	Provision of drilling and blasting in mineral benches	Not proposed.	Not proposed.	Only dump mining is proposed in the present plan period.
3k	Provision of mining machineries in mineral benches	Combination of shovel and dumper was proposed for dump working.	Nil	No working has been carried out in the year 2020-21 for want of forest clearance.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No insitu mining was proposed.	Nil	
3m	Total area covered under excavation/pits	No insitu working was proposed.	Nil	
3n	Ore to OB ratio for the pit/mine during the year.	Not proposed.	Nil	No insitu mining is proposed in the present plan period.
3o	Total area put in use under different heads at the end of year		Area under mineralized dump-0.20Ha, Infrastructure-0.16Ha, Green belt-.20Ha.	
3p	Production of ROM mineral during the last five year period as applicable	2020-21 52 tonnes (clean Ore) 2019-20 Nil 2018-19 2018-19 25T(Clean ore) 2017-18 Nil 2016-17 Nil	2020-21 Nil 2019-20 Nil 2018-19 Nil 2017-18 Nil 2016-17 Nil	No production has been carried out during last five years, due to want of forest clearance.
3q	General remarks of inspecting officers on method of mining etc.	Only dump working is proposed in the present plan period.	Final stage of forest clearance is in process. So, mining is not carried out in the present plan period.	

## Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Waste dumping was proposed in the North-eastern part of the lease boundary.	No waste dumping was made in the year 2020-21.	Only dump working is proposed in the present plan period, so generation of topsoil is nil only. Further, due to want of forest clearance no mining is carried out in the present plan period so, generation waste was nil in the year 2020-21.
4b	Location of topsoil, OB and mineral reject dumps	Waste dumping was proposed in the North-eastern part of the lease boundary.	No waste dumping was made in the year 2020-21.	One mineral dump & One old waste dump is existing in the North-eastern part of the lease area.
4c	Number of dumps within lease area and outside of lease area	Two	Two dumps are existing within the lease area.	One mineral dump and one waste dump.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not applicable.	Not applicable.	The lease is barren and No insitu working is proposed.
4e	Number of active and alive dumps.	Two	Two	
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.	Not proposed.	Nil	
4i	Length of Retaining wall or garland drain all along dumps	Not proposed.	Nil	
4j	Number of settling ponds	Not proposed.	Nil	
4k	Specific comments of inspecting officer on waste dump management			The mine is not working due to want of forest clearance. So no dumping was made in the present plan period.

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.	No insitu ore is estimated from this lease and no insitu mining was proposed.	Not applicable.	The lease is located at the footwall side of the main deposit and mineral exposures are not avialable in the lease area.
5b	Area under backfilling of mined out area	Not proposed.	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed.	Nil	
5d	Total area fully reclaimed and rehabilitated	Not proposed.	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		The mine is located at the footwall side of the main deposit and no insitu reserves were estimated from this lease. Only dump working is proposed in the present plan period and no voids are avialble for backfilling.	

## 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).	Before 1st July of every year.	Lessee has submitted yearly report on PMCP for the year 2019-20.	Submitted report on PMCP within the time limit.
6b	Area available for rehabilitation (ha) .	Not proposed.	Nil	
6c	afforestation done (ha).	0.04Ha in the year 2020-21.	0.08Ha in the year 2020-21.	Plantation was made more than the proposal.
6d	No. of saplings planted during the year	20 saplings in the year 2020-21.	200 saplings were planted in the year 2020-21.	Plantation was made more than the proposal.

6e	Cumulative no .of plants	100 saplings proposed in the present plan period (2020-21 to 2024-25)	200 Saplings were planted in the present plan period.
6f	Any other method of rehabilitation	Not proposed.	Nil
6g	Cost incurred on watch and care during the year	Not proposed.	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( L x B x D	Not proposed.	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed.	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	Not proposed.	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed.	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not proposed.	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Not proposed.	Nil

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not proposed	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed.	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed environmental monitoring in core & buffer zone.	The mine is not working due to want of Forest Clearance and impact of mining on environment is nil.	Lessee is doing environmental monitoring combindly for munsar mine and results are within permissible limits.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Lessee has made plantation more than the proposal , against 20, lessee has planted 200 saplings in the year 2020-21. Carried out environmental monitoring combindly for munsar mine. No backfillinng is proposed and carried out in the present plan period.	

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting was proposed.	Nil	Mine is not working due to want of forest clearance.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual sorting was proposed.	Nil	Mine is not working due to want of F.C.
7c	Differnet grade of mineral sorted out at mines.	Bleow 25% Mnand 25 to below 36% Mn.	Nil	Mine is not working due to want of F.C.

7d	Any beneficiation process at mines	Not proposed.	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		The mine is not working and no production and despatch was done in the year 2020-21.

## Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed.	Nil	Only dump mining was proposed in the present plan period and no mining has been carried out in the present plan period due to want of F.C.
8b	Concurrent use or storage of topsoil	Not proposed.	Nil.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes, proposed.	Separate dums are existing for mineral and waste.	One mineral dump and one waste dump is existing within the lease area.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed.	Nil	Only dump mining is proposed in the present plan period.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed.	Nil	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	20 saplings were proposed in the year 2020-21.	200 saplings were planted in the year 2020-21.
8g	Survival rate	Not proposed.	70 to 75%
8h	Water sprinkling on roads to control airborne dust		The mine is not working due to want of F.C., so generation of airborne dust is negligible. However lessee is using water tanker for dust suppression whenever necessary.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		No mining has been carried out in the present plan period due to want of F.C. The mine is barren and no mining pits are available within the lease area. Two dumps are existing within the lease area (One mineral dump and one waste dump) . and plantation was observed on the dumps.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	A monthly return shall be submitted before the tenth day of every month in respect of the preceding month and an annual return shall be submitted before the 1st day of July each year for the preceding financial year.	Lessee is regularly submitting monthly and annual returns within the time limit.	Submitted monthly returns upto May-2021 and Annual returns for the year 2019-20.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer- Shri. Udit Bothra, Geologist- Geologist-D. Mohanta and Manager- Shri U M Bhujade.	The information given in the annual returns submitted for the year 2019-20 is found correct.	The lease area is very small and Mining engineer, Geologist and Manager are common for munsar mine.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use pattern under different heads is shown as zero in the annual returns submitted for the year 2019-20.	During field visit, one waste dump, one Mineral dump, and some structures were observed within the lease area, but area covered by the same are shown as zero, in the annual returns submitted for the year 2019-20. Further in the approved Mining plan dated, 10/07/2020, Existing land use details was given as follows. Dumps-0.20Ha, Roads-0.10Ha, Infrastructure-.16Ha, Green belt-.20Ha.	Violation is pointed out for the same under Rule 45(7) of MCDR-2017.
9d	Scrutiny of Annual return on afforestation	200 and survival rate 78%.	The information given on plantation is found correct.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not proposed.	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Position of opening stock, production, dispatch and closing stock for ROM and graded ore is shown as zero in the annual returns submitted for the year 2019-20.	The information given in the annual returns submitted for the year 2019-20 is found correct.	The mine is not working due to want of F.C.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value, Exmine price and cost of production is shown as zero.	The information given in the annual returns submitted for the year 2019-20, is found correct.	The mine is not working due to want of Foesrt Clearance. So, no production and dispatch has been carried out in the year 2019-20.

9h	Scrutiny of Annual return on fixed assets	The value of fixed assets is shown as zero.	During field visit some buildings were observed within the lease area, but in the annual returns submitted for the year 2019-20, value for the same is shown as zero.	Violation is pointed out for the same under Rule 45(7) of MCDR-2017.
9k	Scrutiny of Annual return on mining machineries	No mining machineries were shown.	The mine is not working and no machineries were observed on the day of inspection.	Lessee has shown only water tanker which is using for dust supression whenever necessary.

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## 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
MCDR17 Rule 11(1)	06/07/2021				
Rule 45(7)	06/07/2021				

Date :

(Kalmata.M.K.)

Indian Bureau of Mines