

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

**MCDR INSPECTION REPORT**

**Nagpur regional office**

**Mine file No :** MAH/BHD/MN-42/NGP

**Mine code :** 40MSH05002

- (i) Name of the Inspecting : **M017** ) **ASHISH MISHRA**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri Rajesh Bhattacharya, Agent and Others  
Official with  
Designation
- (iv) Date of Inspection : 08/01/2020
- (v) Prev.inspection date : 30/09/2018

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **DONGRI BUZURG (B.HAMESHA)**
- (b) **Registration NO.** : **IBM/5711/2011**
- (c) **Category** : **A Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State** : **MAHARASHTRA**
- District** : **BHANDARA**
- Village** : **BALAPUR HAMESHA**
- Taluka** : **TUMSAR**
- Post office** : **DONGRI BUZURG**
- Pin Code** :
- FAX No.** :
- E-mail** :
- Phone** :
- (f) **Police Station** :
- (g) **First opening date** : **01/01/1977**
- (h) **Weekly day of rest** : **MON**
2. **Address for** : **P.O. DONGRI BUZURG**  
**correspondance**
3. (a) **Lease Number** : **MSH0388**
- (b) **Lease area** : **4.07**
- (c) **Period of lease** : **50**
- (d) **Date of Expiry** : **08/12/2061**

MSH0066  
46.25  
50  
04/03/2028

MSH0065  
53.98  
60  
30/06/2022

MSH0067  
69.5  
50  
17/02/2031

4. Mineral worked : MANGANESE ORE Main

5. Name and Address of the

Lessee : M/S MANGANESE ORE (INDIA) LTD.  
3, MOUNT ROAD EXTENSION  
POST BOX NO. 34, NAGPUR  
(MP) NAGPUR MAHARASHTRA  
Phone:  
FAX :

Owner : C.P.N.PATHAK  
3, MOUNT ROAD EXTN. POST  
BOX NO. 34 NAGPUR NAGPUR  
MAHARASHTRA  
Phone: 0712 - 2545703  
FAX : 0712 - 2524996

Agent : SHRI P.D.SHARMA  
GROUP-II, MOIL, CHIKLA  
MINE, P.O.SITASAONGI,  
DISTT.-BHANDARA BHANDARA  
MAHARASHTRA  
Phone:  
FAX :

6. Date of approval of Mining Plan/Scheme of Mining	:	Renewal under rule 22 MCR1960	15/10/2003
		Renewal under rule 22 MCR1960	15/10/2003
		Mining Scheme rule 12 MCDR1988	25/01/2007
		Mining Scheme rule 12 MCDR1988	28/03/2008
		Mining Scheme rule 12 MCDR1988	21/08/2009
		Mining Scheme rule 12 MCDR1988	13/05/2013
		Mining Scheme rule 12 MCDR1988	24/05/2016
		MP review under 17(1) MCR 2016	07/06/2017
		MP review under 17(1) MCR 2016	11/08/2017
		MP review under 17(1) MCR 2016	16/08/2017
		MP modif under 17(3) MCR 2016	22/02/2018
		FMCP under 23C(1)	24/07/2018
		MP modif under 17(3) MCR 2016	08/10/2018

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	For 2017-18: 19 boreholes For 2018-19: 6 boreholes These boreholes were proposed for the entire mine comprising of 4 leases.	Actual exploration: 2017-18: Total 26 Nos. of boreholes were drilled in the area for which Form I and K have been examined. Out of 26 boreholes, 13 are falling in the instant lease area. Meterage drilling for the boreholes falling in the lease area is around 2034 m out of total drilling 6218 m. 2018-19: Total 6 boreholes were drilled in the composite area out of which 2 are falling within the instant area with 621 m of drilling (total drilling 2297 m).	There is no backlog for exploration & further exploration is underway to prove the entire deposit for 34 mRL to 184 mRL while present economic workable pit limit is 205 mRL.
1b	Exploration over lease area for geological axis 1 or 2	G-1, G-2 & G-3	G-1: Central Part of the lease area from Ch 800 to Ch 5200 has been covered under G-1 as per the boreholes density and depth of exproation upto around 94 mRL (around 100 m X 100 m grid and further exploration is underway for 50 m X 50 m grid) G-2: Between Ch-400 to Ch 6000 (almost entire area) has been covered under G-2. In this area, borehole density is lower than the area considered under G-1 category of UNFC. G-3: Resources under G-3 are considered for the deeper levels	G-3 resources are underlying G-1 & G-2 level reserves/resources .

1c	Exploration Agencies and Expenditure in lakh rupees during the year	Exploration was proposed to be carried out by MOIL itself with an approximate expenditure of Rs 6500/- per m	Exploration was carried out by MOIL. Approximate expenditure for the year 2017-18 was Rs 8800/- per m (due to higher depth of boreholes). Approximate expenditure for the year 2018-19 was around Rs 6500/- per m which is not exactly calculated yet as the exploration program is underway.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Entire area has been covered under at least G-2 level. Exploration at closer grids is underway for detailed exploration of potentially mineralized area.
1e	Balance reserve as on 01/04/20	Balance Reserves/Resources are given in actual work details:	As on 01.04.2019, UNFC category-wise Reserves /Resources are: 111-3718461 T 211-1080650 T 222- 1115854 T 332- 1899393 T 333- 7013 T	
1f	General remarks of inspecting officers on geology, exploration etc			The area has already been explored upto G-1 & G-2 level for entire potentially mineralized part. Further, 13 boreholes were drilled in the area in 2017-18 & 2 boreholes in the year 2018-19. Presently, the lease is under exploitation of ore zone in the out of Dongri Buzurg Mine having 4 leases & is the only lease that has exposed orebody which is being worked.

## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	2018-19: N1500 to N1800 & E400 to E1400 in the main pit located in the central part from benches 245 mRL and above upto 365 mRL (Ch 12 to Ch 48)	2018-19: Location of the development was as per the proposals though it was lagging due to accumulation of water in the pit bottom. Ch-15 to Ch-48 in the hangwall side in benches 245 mRL to 345 mRL Ch-12 to Ch-48 in the footwall side in benches 245 mRL to 365 mRL	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top Soil: Nil For OB/Waste and mineral, separate benches are not possible as the orebody is dipping in south direction with an angle of 45-80 degrees.	As per the proposals, there is no top soil in the proposed working area. Further, separate benches weren't possible however, clear distinction between ore and waste can be done and thus, no intermixing was allowed. After excavation, ROM is manually sorted to ensure that no mineral shall be dumped as waste. Generated mineral rejects are also kept separate from the waste.	
2c	Stripping ratio or ore to OB ratio	2018-19: 1:13	2018-19: Approximately 1:10	The stripping ratio was lower due to less development possible at lower benches during and post monsoon period as water was accumulated in the pit bottom.
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	2018-19: 4604266 cum	2018-19: Total development from all 4 leases was proposed as 4406289 cum and actual OB/ waste removed was 9007338 T (return for all 4 leases is common). Applying B.D. as 2.5 Tpercum for waste as considered for the mine, actual development was 3602935 cum from all 4 leases.	Proposed development was lower than the proposals due to heavy rainfall in the year 2018-19 which caused water accumulation at lower benches (around 260 mRL and below).

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The thickness of the manganese ore horizon varies from 2 to 30 m. It is thickest in the central part and gradually tapers down to about 2 m at both ends. Ore zone of Dongri, trends almost in E-W direction with moderate to high dip due south & is having various dioxide grades within the ore zone.	Presently, development and production activities are limited to central part only. Being an important mine, its being worked by fully mechanized means. As going deep, stripping ratio is increasing and was proposed as high as 1:13 in the year 2018-19. Developments are lagging due to excess rainfall in the region which has caused lower benches to be submerged, but overall development of the deposit is satisfactory.
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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	One Pit	
3b	Quantity of ROM mineral production proposed	2018-19: ROM proposed was 487500 T	2018-19: Actual ROM production was 409049 T	
3c	Recovery of sailable/usable mineral from ROM production	Recovery of cleaned ore proposed was ~80% of ROM	Actual recover observed was around 79.37% (ROM-409049 T & Cleaned Ore-324677 T)	
3d	Quantity of mineral reject generation	2018-19: 54000 T (~11% of ROM)	2018-19: 45000 T which is around 11% of ROM production	
3e	Grade of mineral rejects generation and threshold value declared.	Grade of Mineral rejects as proposed is below 20% and above threshold value which is 10% Mn	As per the proposals	



3f	Quantity of sub grade mineral generation.	No such proposals	Nil	
3g	Grade of sub grade mineral generation	No such proposals	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanical crushing and Manual Sorting of ROM	Mechanical crushing and Manual Sorting of ROM	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposals	Nil	Ore with +20% Mn to 25% Mn is readily saleable and blended with Cleaned ore for dispatch. -20% Mn containing material is kept separate for future demand, if any.
3j	Provision of drilling and blasting in mineral benches	Yes, drilling and blasting is proposed to be carried out by mechanized means.	Drilling is done by 110 mm dia drills and blasting is being done by detonating fuse initiation with cord relay delay detonators and NONEL's using mainly slurry explosive.	
3k	Provision of mining machineries in mineral benches	Mechanization is proposed for working in mineral as well as OB/waste benches	Being a Category A (Highly Mechanized) Mine, mechanization is proposed for development & production work in form of DTH drills of 110 mm dia, Dumpers of 35 T and 60 T capacity, Hydraulic excavators of 0.9 cum, 2.5 cum, 3 cum, 4.5 cum & 5.6 cum, Front end loader of 2 cum, Dozer of 335 HP, Water tanker of 28000 ltr capacity alongwith other auxilliary equipments.	

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench Height proposed for mineal & OB/waste is 10 m	As the Category of the mine is 'A' (highly mechanized mine), bench height proposed is as per the deployment of excavators. Height of bench which is kept at 10 m (maximum) is suitable for highly mechanized working as proposed in the mining plan document.	
3m	Total area covered under excavation/pits	As per the approved modifications in the approved mining plan document for the period 2018-19 to 2022-23, Existing area under excavation/pits: 23.80 ha Additional area requirements during the plan period: 1.00 ha Total area at the end of plan period: 24.80 ha	Additional area broken is around 0.172 ha in the year 2018-19 and as on 31.03.2019, total area under excavation/pits is around 23.972 ha	
3n	Ore to OB ratio for the pit/mine during the year.	2018-19: 1:13	2018-19: Approximately 1:10	The stripping ratio was lower due to less development possible at lower benches during and post monsoon period as water was accumulated in the pit bottom.
3o	Total area put in use under different heads at the end of year	Total area put to use as on 31.03.2019 under various heads is furnished in actual work details.	Area under: Excavation/Pits: 23.972 ha Waste/OB Dumps: 5.39 ha Infrastructure: 0.693 ha Roads: 0.81 ha EMD Plant: 0.6 ha Mineral Storage: 1.8 ha Township: 5.2 ha	

3p	Production of ROM mineral during the last five year period as applicable	2017-18: 480000 T 2016-17: 450000 T 2015-16: 350000 T 2014-15: 337197 T 2013-14: 364994 T	2017-18: 377280 T 2016-17: 252664 T 2015-16: 252580 T 2014-15: 242152 T 2013-14: 261875 T
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3q	General remarks of inspecting officers on method of mining etc.	Method of mining is Category A mechanized and extent of mechanization is suitable as per the capital investments, as per average daily employment which is around 1032 persons & as per the requirement for handling the development work to exploit the orebody available in the area at a stripping ration of more than 1:10.
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	There is no top soil available in the proposed working area. OB/Waste and mineral rejects are proposed for separate dumping/stacking.	As per the proposals, separate dumping and stacking of waste and mineral rejects was carried out in the area.	

4b	Location of topsoil, OB and mineral reject dumps	Top Soil: Nil OB/Waste Dumps: 4 dumps at N2382800 to N2383300 & E362700 to E363600 designated as North-West Dump A, South West Dump B, Suth Dump C & South Dump D Mineral rejects: One Stack at N2383000 to N2383200 & E362800 to E363200	As per the proposals	
4c	Number of dumps within lease area and outside of lease area	4 waste dumps and one mineral rejects stack, all within the lease area	As per the proposals	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dumps are proposed outside present ultimate pit limits	Dumps are outside present ultimate pit limits	
4e	Number of active and alive dumps.	All dumps are active and alive	All dumps are active and alive	
4f	Number of dead dumps.	Nil	Nil	Slopes of the old dumps have been stabilized through plantation, however, no dump has been established as dead dump.
4g	Number of dumps established.	Nil	Nil	Slopes of the old dumps have been stabilized through plantation, however, no dump has been established as dead dump.
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Retaining wall and garland drains all along the dumps have already been constructed in previous years.	

4i	Length of Retaining wall or garland drain all along dumps	Only repair and maintenance of existing Garland drains and retaining wall proposed.	Total garland drain and retaining wall of more than 2000 m is existing all along the toe of the dumps in the area.	
4j	Number of settling ponds	No such proposals	Nil	
4k	Specific comments of inspecting officer on waste dump management			Under management of waste dump, 3 terraces at 15 m, 25 m and 30 m are proposed and plantation over dump slopes has already been carried out alongwith further proposals (infilling/ gap plantation). Protective measures in form of bunds, garland drain alongwith retaining wall were extensively made along the toe of the dumps. Hence, waste management aspect is satisfactory for the lease area.

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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 backfilling is proposed	Nil	
5b	Area under backfilling of mined out area	No backfilling is proposed	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No backfilling is proposed	Nil	

5d	Total area fully reclaimed and rehabilitated	No backfilling Nil is proposed	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		The composite lease area (4 leases) is having restrictions due to Railway and residential buildings. Thus, mining from deeper levels beyond 200 mRL shall not be possible through opencast workings. At conceptual stage, the area is proposed for working by underground methods after suitable studies and no backfilling or conversion of pit into water reservoir is proposed.

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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).	To be submitted on or before 30th June every year depicting work done under PMCP in the preceding year	Yes, the report was submitted for the composite lease area (4 leases) as well as individual leases	

6b	Area available for rehabilitation (ha) .	Nil	Nil	No working area is available for reclamation or rehabilitation activities as it is under active mining or allied activities. Only available area is slopes of the dumps over which extensive plantation has been done in the past and gap filling plantation is being done.
6c	afforestation done (ha).	Afforestation is proposed over 1.2 ha of land with 700 Nos. of saplings during approved proposal period of 2018-19 to 2022-23.	2018-19: 0.1 ha afforestation done over the Waste dumps located in the North western part	
6d	No. of saplings planted during the year	Afforestation is proposed over 1.2 ha of land with 700 Nos. of saplings during approved proposal period of 2018-19 to 2022-23.	2018-19: 200 saplings have been planted	
6e	Cumulative no .of plants	Proposals not available being an old mine	Upto 2018-19, 47995 saplings have been planted out of which around 44093 saplings are surviving	
6f	Any other method of rehabilitation	No such proposals	Nil	
6g	Cost incurred on watch and care during the year	Rs 275000/- per year	Approximately Rs 1.927 Cr for the mine comprising of 4 leases (including SDF activities but not CSR)	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No such proposals	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No such proposals	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No such proposals	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposals	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No such proposals	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No such proposals	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No such proposals	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No such proposals	Nil



6p	Compliance of environmental monitoring (core zone and buffer zone)	Environment monitoring is proposed to be carried out in the core and buffer zone of the composite lease area having 4 leases (one mine of Dongri Buzurg)	Environment monitoring carried out for air, water, noise and ground vibration as per the guidelines. The reports of the environment monitoring were checked and found that all the parameters are within the permissible limits. Hydrological studies have also been carried out in the area.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PMCP operations for the lease area are satisfactory. Extensive Plantation was carried out in the northern part of the lease area over the dump slopes. Dumps are also secured by protective measures such as garland drains and retaining walls. Environment monitoring is being carried out as per MOEF and CPCB guidelines in this regard.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade-wise sorting of ROM within the lease area	Grade-wise sorting of ROM within the lease area	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical crushing and Manual Sorting of ROM	Mechanical crushing and Manual Sorting of ROM	

7c	Different grade of mineral sorted out at mines.	(a) Below 25% Mn (b) 25% to below 35% Mn (c) 35% to below 46% Mn (d) 46% Mn and above (e) Dioxide Ore	As per the proposals, ROM is sorted into grade-wise stacks and then dispatch from these stacks	
7d	Any beneficiation process at mines	No such proposals	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			ROM is being sorted manually to get +17% Mn content ore. 14-17% Mn content material is being stacked separately in black dumps available within the lease area from where it is again recovered as per the requirements. Sorted ROM is crushed and screened to get various grades and sizes for dispatch. No issue related to mineral conservation was observed.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil is available in the proposed working area	Nil	
8b	Concurrent use or storage of topsoil	No such proposals	Nil	Top soil generated in earlier stages might have been utilized for plantation over the dump slopes. Presently, no top soil is available in the proposed working area.

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	There is no top soil available in the proposed working area. OB/Waste and mineral rejects are proposed for separate dumping/stacking.	As per the proposals, separate dumping and stacking of waste and mineral rejects was carried out in the area.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such proposals	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No such proposals	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Baseline information given in the mining plan for the area. Additional plantation is proposed as 700 saplings over 1.2 ha area in the approved proposal period of 2018-19 to 2022-23.	Baseline Information for the land within 10 km radius (1991): Total Area of the Land: 16649.11 ha Forest: 3782.56 ha Irrigated: 4072.5 ha Non-irrigated: 2666.24 Ha Cultivable waste land: 2512.97 ha Area not available for cultivation: 3498.29 ha Additional plantation carried out: 0.1 ha within the lease area with 200 saplings for 2018-19, overall upto 2018-19, 47995 saplings have been planted out of which around 44093 saplings are surviving
8g	Survival rate	80%	~90%
8h	Water sprinkling on roads to control airborne dust	Yes	Yes, water sprinkling is being done through 28000 L water tanker deployed in the mine

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Apart from normal degradation due to mining, aesthetic beauty is satisfactory in the area. Lessee has done remarkable plantation work for the composite lease area having 4 leases. In this lease as well as adjoining leases, retaining walls, garland drains are there all along the dumps to avoid any degradation of land due to wash off.
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## Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual Returns are required to be submitted online before 1st July of every year for preceding year Monthly returns are required to be submitted online before 10th of every month for preceding month	AR for the composite lease area of 4 leases was submitted online upto 2018-19 MR for the composite lease area of 4 leases was submitted online upto Nov'19	It was advised to file separate returns for all the leases so as to enable evaluation on individual basis.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Shri D. R. Pantawane Geologist: Shri Sudhanshu Chauhan Manager: Shri U. M. Bhujade	Complete information provided	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use details are furnished for composite lease area (4 leases) as- Covered under Excavation/Pit ha s: 36.983 ha Reclaimed/Rehabilitated: 22.365 ha Used for Waste Disposal: 31.761 ha Occupied by plant, building, infrastructure etc: 24.703 ha Other Purposes (BDC/OCG): 12.31 ha	Complete and correct information provided over land use. However, for the lease area, land use is as below- Area under: Excavation/Pits: 23.972 ha Waste/OB Dumps: 5.39 ha Infrastructure: 0.693 ha Roads: 0.81 ha EMD Plant: 0.6 ha Mineral Storage: 1.8 ha Township: 5.2 ha
9d	Scrutiny of Annual return on afforestation	Number of saplings planted during the year: 21600 Survival rate: 70%	Complete and correct information furnished for the composite area. For the lease area under consideration, afforestation was carried out over 0.1 ha area at dump slopes with 200 saplings in the northern part of the lease area
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	For the composite area (4 leases): Mineral Rejects generated: 45000 T Grade: 17-18% Mn	Complete and correct information furnished for composite area. For 2018-19: 54000 T mineral rejects were proposed to be generated from the lease area @ 11% of total ROM having grade <20% of Mn. Actual generated mineral rejects were 45000 T which is around 11% of ROM production having 17-18% Mn average grade

9f Scrutiny of ROM: Opening For the lease area,  
Annual return on and Closing 2018-19: Proposed ROM-  
ROM stock and/or Stocks- Nil, 487500 T, Cleaned Ore-  
graded ore Production: 390000 T, Mineral  
409049 T rejects- 54000 T,  
Graded Ore: Intercalated Waste-  
Opening & 43500 T  
Closing 2018-19: Actual ROM-  
Stocks, 409049 T, Cleaned Ore-  
Production, 324677 T, Mineral  
Dispatches for rejects- 45000 T,  
various grades Intercalated Waste-  
dispatched 39372 T  
from the mine Hence, complete and  
have been correct information  
furnished for furnished.  
composite  
lease area

9g Scrutiny of Sale Value: Complete and correct  
Annual return on For grade information furnished.  
sale value, Ex. below 25% Mn- Further, wherever  
Mine price and Rs 71518854/-, clarification is  
production cost For 25-35% Mn- required for the data  
Rs pertaining to EMP  
1092800621/-, reported in the monthly  
For 35-46% Mn- returns, due  
Rs correspondance in form  
1142168337/-, of violation letter or  
For Mn 46% and email for furnishing  
above-Rs sale invoices is being  
23357338.83/- done.  
&  
For Dioxide  
Grade-Rs  
456410107/-  
Ex mine Price  
per T:  
For grade  
below 25% Mn-  
Rs 2200/-,  
For 25-35% Mn-  
Rs 5526.72/-,  
For 35-46% Mn-  
Rs 15581.45/-,  
For Mn 46% and  
above-Rs  
22820.15/- &  
For Dioxide  
Grade-Rs  
28922.14/-  
Cost of Prod.  
per T: Rs  
3894.23/-

9h	Scrutiny of Annual return on fixed assets	Value of fixed assets: Rs 756946970/- Apart from this, value of land, machineries, plant and buildings etc. have been furnished alongwith depreciation.	Complete and correct information has been furnished for composite lease area (4 leases).
9k	Scrutiny of Annual return on mining machineries	Hydraulic Excavators: 0.9 cuM capacity-2 Nos., 4.5 cuM capacity-2 Nos., 3.0 cuM capacity-1No., 2.5 cuM capacity-2 Nos., 5.6 cuM capacity-2 Nos. Dozers: 3 dozers with 335 HP Drill machine: 110 mm dia, 6 Nos. Dumpers: 60 T-7Nos., 35 T-13 Nos. Water Tanker: 28000 Ltr-1 No. and Explosive Vans and Jeep/Tractor	Complete information furnished as per the extent of mechanization. The machineries are common to all 4 lease areas, hence correct information has been furnished.

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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

**Date :****(ASHISH MISHRA)**

Indian Bureau of Mines