

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION

MCDR inspection REPORT

Bhubaneswar regional office

Mine file No : ORI/IRON/KJR/MCDR-35/BBS

Mine code : 30ORI08059

- (i) Name of the Inspecting : DJ03) DILIP JAIN
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Sri Manish Kumar, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 21/12/2018
- (v) Prev. inspection date : 19/07/2017

PART-I : GENERAL INFORMATION

1. (a) Mine Name : KHONDBOND
- (b) Registration NO. : 4376/30ORI08059
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : ORISSA
District : KEONJHAR
Village : KHONDBOND
Taluka : CHAMPUA
Post office : BICHAKUNDI
Pin Code : 758034
FAX No. : 0676772239
E-mail : md.office@tatasteel.com
Phone : 06767 72239
- (f) Police Station : Bamebari
- (g) First opening date : 17/01/1983
- (h) Weekly day of rest : SUN
2. Address for correspondence : VILL:KHANDBOND& GURDA
PO:BICHAKUNDI
P. S. JODA, DIST: KEONJHAR, ORISSA, PIN: 758034
3. (a) Lease Number : ORI0108
- (b) Lease area : 978
- (c) Period of lease[⊗] : w.e.f 17/01/2003 to 31/03/2030 as per supplementary lease
deed executed on 08/05/2015.
- (d) Date of Expiry : 31/03/2030
4. Mineral worked : MANGANESE ORE Associated
IRON ORE Main

⊗ Original lease period :- 17/01/1933 to 16/01/1963
1st Renewal period :- 17/01/1963 to 16/01/1983
2nd Renewal Period :- 17/01/1983 to 16/01/2003

5. Name and Address of the

Lessee : TISCO
Bombay House 24, Homy Mody
Street Mumbai MUMBAI
(SUBURBAN) MAHARASHTRA
Phone:
FAX :

Owner : T V NARENDRAN
TATA STEEL LIMITED
JAMSHEDPUR, POST-BISTUPUR
SINGBHUM EAST, JHARKHAND
SINGHBHUM (EAST) JHARKHAND
Phone: 06572431818
FAX : 0657-2431818

Agent : SHIRISH SHEKHAR
KHONDBOND IRON AND MN MINES
KEONJHAR ODISHA KEONJHAR
ORISSA
Phone: 7209003547
FAX : 0676772239

Mining Engineer

Name : Manish Kumar, Full Time
Qualification : B.E. Mining
Appointment/ : 24/06/2018
Termination date

Geologist

Name : KANISHKA DATTA, Full Time
Qualification : MSC TECH (APPLIED GEOLOGY)
Appointment/ : 01/07/2013
Termination date

Manager

Name : Manish Kumar
Qualification : B.E. Mining
Appointment/ : 24/09/2018
Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Renewal under rule 22 MCR1960 11/12/2001
Modif.of approved Mining Plan 11/06/2004
Modif.of approved Mining Plan 09/03/2009
FMCP under 23C(1) 09/03/2009
Mining Scheme rule 12 MCDR1988 31/03/2009
Mining Scheme rule 12 MCDR1988 19/06/2013
Modif.approved Mining Scheme 19/01/2016
Modif.approved Mining Scheme 24/08/2016
MP review under 17(1) MCR 2016 09/11/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	During the Year 2017-18 , 35 Nos. of Bore Holes have been proposed.	10 nos. BH have been drilled during year 2017-18.	Violation issued for less drilling vide letter dated 02/01/2019.
1b	Exploration over lease area for geological axis 1 or 2	As per approved document dated 24/08/2016, a total of 135 BH have been proposed from 2015-16 to 2017-18 to explore lease area under G1/G2 level.	A total of 97 Bh have been drilled during the period from 2015-16 to 2017-18.	Violation letter issued for the less drilling in the year 2017-18 vide letter dated 02/01/2019.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No specific proposal for exploration agency and expenditure.	The exploration work has been carried out by M/s TATA Steel Limited.	NIL.
1d	Balance area to be explored to bring Geological axis in 1 or 2	As per approved document dated 24/08/2016, an area of 378.10 Ha was to be explored under G1/G2 level of exploration.	As per approved document dated 09/11/2017, an area of 339.06 Ha was to be explored under G1/G2 level of exploration. Hence an area of 39.04 Ha explored under G1/G2 level of exploration.	NIL.

1e	Balance reserve as on 01/04/20	The position of reserve and resource as on 01/08/2015 as per approved document dated 24/08/2016 was as follows: Iron Ore: Reserve: 162.78 mt Resource: 138.94 mt Manganese Ore: Reserve: 0.522 mt Resource: 1.425 mt	The position of reserve and resources as on 01/04/2018 was as follows: Iron Ore: Reserve: 106.01 mt Resource: 176.76 mt Manganese Ore: Reserve: 0.799 mt Resource: 1.25 mt	mt stands for million tonnes. The figures of reserve and resources as on 01/04/2018 are as per AR 2017-18.
1f	General remarks of inspecting officers on geology, exploration etc	As per approved document dated 24/08/2016, a total of 135 BH have been proposed from 2015-16 to 2017-18 to explore lease area under G1/G2 level.	A total of 97 Bh have been drilled during the period from 2015-16 to 2017-18. As per document approved dated 09/11/2017, an area of 546.38 Ha has been explored under G1/G2 level of exploration and an area of 92.56 has been found as barren.	Violation letter issued for the less drilling in the year 2017-18 vide letter dated 28/12/2018.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Iron Ore: Pit P&N (12110N to 13930N and 10560E to 9640E) Pit 5 (14320N to 13740N and 10490E to 11000E) Manganese Ore: (13992N to 14245N and 9114E to 9292E)	The development of Iron and Mnaganese quarry found within proposed limit i.e. Iron Ore: Pit P&N (12110N to 13930N and 10560E to 9640E) Manganese Ore: (13992N to 14245N and 9114E to 9292E)	Iron Ore development carried out only in P&N Ore Body (pit). No development of pit 5 due to want of working permission from DFO. Manganese pit development in Ore Zone XII.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal of top soil generation, as no fresh area has been proposed for development in year 2017-18. Separate benches in OB and Ore.	Separate benches being maintained in OB and Ore. No top soil generation during year 2017-18.	NIL.
2c	Stripping ratio or ore to OB ratio	Iron- 1:0.07 CuM/Tonnes Mn- 1:4.4 CuM/Tonnes	Iron- 1:0.04 CuM/Tonnes Mn- 1:2.97 CuM/Tonnes	Stripping ratio could not be maintained due to less production of Iron Ore. Considering conversion factor 2.5 tonnes/ CuM of waste.
2d	Quantity of topsoil generation in m3	No proposal of top soil generation, as no fresh area has been proposed for development in year 2017-18.	No top soil generation during year 2017-18.	NIL.
2e	Quantity of overburden generation in m3	Iron: 0.837 million CuM Mn: 0.22 million CuM	Iron: 0.11 million CuM Mn: 0.15 million CuM	The less generation of waste is in account of less ROM production of Iron Ore.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	As per approved document two pits namely Pit 5 and Pit P&N have been proposed for development to exploit Iron Ore and one pit namely OZ-XII have been proposed for development in Managnese Ore zone.	Iron Ore development carried out only in P&N Ore Body (pit). Due to delay in getting statutory clearances Pit -5 couldn't be developed.	No development of pit 5 due to want of working permission from DFO.

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
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3a	Number of pit proposed for production	Iron Ore: Two pits namely Pit P&N and Pit 5 Manganese Ore: One pit namely Ore Zone XII.	Iron Ore: One pit namely P&N. Manganese Ore: One pit namely Ore Zone XII.	No working in pit 5 during year 2017-18 due to want of working permission from DFO.
3b	Quantity of ROM mineral production proposed	Iron: 11.394 MT Mn: 50000 Tonnes	Iron: 2.57 MT Mn: 49991.932 T	The less production of Iron Ore ROM is due to delay in getting working permission from DFO for proposed area of Pit-5 and delayed in construction of 8MTPA beneficiation plan.
3c	Recovery of sailable/usable mineral from ROM production	Iron: 8.00 mt Mn: 42500 tonnes	Iron: 2.20 mt Mn: 42485 tonnes	The less production of Iron Ore is due to delay in getting working permission from DFO for proposed area of Pit-5 and delayed in construction of 8MTPA beneficiation plan.
3d	Quantity of mineral reject generation	Iron: 3.394 mt Mn: 2500 Tonnes	Iron: 0.396 mt Mn: 7506 Tonnes	Due to less production of ROM.
3e	Grade of mineral rejects generation and threshold value declared.	Iron Ore: 45 to 58% Fe Mn Ore: 10 to 25% Mn	Iron Ore: 45 to 58% Fe Mn Ore: 10 to 25% Mn	Threshold value for Iron Ore is 45% Fe and for Manganese Ore is 10% Mn.
3f	Quantity of sub grade mineral generation.	Iron: 3.394 mt Mn: 2500 Tonnes	Iron: 0.396 mt Mn: 7506 Tonnes	Sub-grade generation of Iron Ore is less due to less production of Iron Ore ROM. Sub-grade of Mn ore generation is in higher side to encounter of Sub-grade zone. Same figures has also been reflected in the 3d para for MR.

3g	Grade of sub grade mineral generation	Iron Ore: 45 to 58% Fe Mn Ore: 10 to 25% Mn	Iron Ore: 45 to 58% Fe Mn Ore: 10 to 25% Mn	Threshold value for Iron Ore is 45% Fe and for Manganese Ore is 10% Mn.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	NIL.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal for any analysis or beneficiation study for Sub-grade or Mineral reject during current year.	A wet beneficiation plant of 8MTPA Iron Ore is under construction.	NIL.
3j	Provision of drilling and blasting in mineral benches	Drilling will be done by 100mm & 150 mm diameter drills and blasting will be done using conventional slurry and SME explosives.	The drilling and blasting practice found to be as per the proposal.	NIL.
3k	Provision of mining machineries in mineral benches	Mining machineries are proposed for excavation like excavators and dumpers. Shovel: 6.0 cu.m. Dumper: 90 tonnes etc.	Mining machineries as proposed in approved document are being in practice as per requirement.	NIL.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Iron: 10 Manganese: 6	Iron: 10 Manganese: 6	NIL.

3m	Total area covered under excavation/pits	As per approved document dated 24/08/2016, an area of 242.45 Ha has been proposed under excavation at the end of the plan period i.e. 2017-18.	As per AR 2017-18, area put under excavation is 158.139 Ha.	NIL.
3n	Ore to OB ratio for the pit/mine during the year.	Iron- 1:0.07 CuM/Tonnes Mn- 1:4.4 CuM/Tonnes	Iron- 1:0.04 CuM/Tonnes Mn- 1:2.97 CuM/Tonnes	Stripping ratio could not be maintained due to less production of Iron Ore. Considering conversion factor 2.5 tonnes/ CuM of waste.
3o	Total area put in use under different heads at the end of year	(i) Covered under current (O/C) Workings 242.450, (ii) Used for waste disposal 127.440, (iii) Occupied by plant, buildings, residential, welfare buildings & roads 75.337, (iv) Other Purpose (Storing Minerals, top soil, tailing pond & safety zone) 79.242 (As per approved document dated 24/08/2016).	(i) Covered under current (O/C) Workings 158.139 (ii) Used for waste disposal 40.117 (iii) Occupied by plant, buildings, residential, welfare buildings & roads 42.477 (iv) Other Purpose (Storing Minerals, top soil, tailing pond & safety zone) 33.487	Figures as per AR of the year 2017-18.

3p	Production of ROM mineral during the last five year period as applicable	Iron Ore Production: 2013-14:8.78 mt 2014-15:9.28 mt 2015-16:6.28 mt 2016-17:8.29 mt 2017-18:11.39 mt Manganese Ore Production: 2013-14:0.070 mt 2014-15:0.82 mt 2015-16:0.52 mt 2016-17:0.64 mt 2017-18:0.50 mt	Iron Ore Production: 2013-14:1.50 mt 2014-15:0.20 mt 2015-16:1.68 mt 2016-17:2.45 mt 2017-18:2.57 mt Manganese Ore Production: 2013-14:0.070 mt 2014-15:0.0008 mt 2015-16:0.0048 mt 2016-17:0.57 mt 2017-18:0.49 mt	NIL.
3q	General remarks of inspecting officers on method of mining etc.	Full mechanized opencast method of mining has been proposed to win the ore.	Full mechanized opencast method of mining is being practiced at mine.	NIL.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal of top soil generation, as no fresh area has been proposed for development in year 2017-18. Separate dumping of waste and mineral reject has been envisaged.	No top soil generation during year 2017-18. Waste material and Mineral reject has been dumped at the desiganted area.	NIL.

4b	Location of topsoil, OB and mineral reject dumps	<p>Iron Ore Zone waste dumping have been proposed at six locations- Dump 5A: N12020-11400/E9590-1020, Dump 5B: N12512-12114/E9500-9680, Dump-1: N12720-13070/E9570-9760, Dump-7: N10250-10610/E9420-9810, Dump-B: N10320-10560/E10750-11030 and Dump A: N13150-13320/E8640-8850. Manganese Zone: Area of quarry OZ-X bounded between grid N13830-14100/E13950-8970 has been proposed for temporary waste dumping.</p>	<p>Iron Ore Zone waste dumping: Out of proposed six locations dumping haven carried out over the three locations due to less generation of waste. Dumping have been carried out over Waste dump 5A, 5B and Dump A. Dumping found within the approved limit. Manganese Zone: Waste dumping has been observed as per proposal made in approved document.</p>	NIL.
4c	Number of dumps within lease area and outside of lease area	<p>There are five existing dumps in the lease area. Other than existing three fresh locations have been proposed for waste dumping and area of quarry OZ-X is also proposed for the waste dumping. No proposal for outside lease dumping.</p>	<p>Near to Manganese Ore Quarry there exist three locations for waste dumping and near Iron Ore quarry there exist three locations for waste dumping. Hence, total six waste dumping locations are in lease area on the date of inspection. Waste dumping has not been observed outside of the lease area.</p>	All dumping area observed within applied lease area boundary.

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dumps have been proposed outside of the ultimate pit limit.	Location of waste dumps doesnt fall under ultimate pit limit.	NIL.
4e	Number of active and alive dumps.	7 Nos. (locations)	4 Nos. (locations)	Less generation of waste due to less production of ROM.
4f	Number of dead dumps.	No proposal.	2 Nos	NIL.
4g	Number of dumps established.	No Proposal.	2 Nos	NIL.
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposal of retaining wall has been given all along the proposed dumps.	Retaining wall observed along the waste dumps.	NIL.
4i	Length of Retaining wall or garland drain all along dumps	Proposal of 2225 mts of retaining wall along with garland drain of 1800 mts has been given along the waste dumps and SG dumps.	Retaining wall and garland drain of 1453 mts have been constructed during the reporting year.	Three waste dumps have not been developed due to less generation of waste. Hence, retaining wall have not been constructed.
4j	Number of settling ponds	1	1	NIL.
4k	Specific comments of inspecting officer on waste dump management	Dumping of the waste has been proposed at seven locations including the dumping of Manganese Ore Zone.	Dumping has been carried out at four locations only due to less generation of the waste.	NIL.

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 Proposal for reporting year.	NIL.	No pit has been matured for backfilling.
5b	Area under backfilling of mined out area	No Proposal for reporting year.	NIL.	NIL.

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal of top soil generation, as no fresh area has been proposed for development in year 2017-18.	Entire top soil generated during past years have been utilized. Top soil has not been generated during the year 2017-18.	NIL.
5d	Total area fully reclaimed and rehabilitated	No Proposal in the reporting year.	NIL.	NIL.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposal of backfilling as none of the pit area is matured for backfilling.	NIL.	NIL.

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).	As per rule 26(2) of MCDR, 2017, PMCP report to be submitted for previous year by 1st July.	Annual PMCP report for reporting year i.e. 2017-18 has been submitted.	NIL.
6b	Area available for rehabilitation (ha) .	3.0 Ha area has been proposed for the plantation.	6.70 Ha area have been planted.	NIL.
6c	afforestation done (ha).	3.0 Ha area has been proposed for the plantation.	6.70 Ha area have been planted.	NIL.
6d	No. of saplings planted during the year	10500 Nos.	18540 Nos.	NIL.
6e	Cumulative no .of plants	No specific proposal.	341460 Nos.	NIL.
6f	Any other method of rehabilitation	No Proposal of any other method of rehabilitation	NIL.	NIL.
6g	Cost incurred on watch and care during the year	Rs. 6,30,000/-	Rs. 19,63,015/-	NIL.

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

6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposal has been given for environment monitoring in core and buffer zone.	Environment Monitoring was carried out in core and buffer zone for reporting year.	NIL.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Area not matured for reclamation and rehabilitation. However, plantation proposal has been given over the matured area of dumps etc.	Plantation has been carried out over the matured slope of the waste dumps as well as gap filling plantation has also been carried out.	NIL.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting within lease area has been proposed.	Grade wise sorting was observed in lease area.	NIL.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical for Iron ore and Manual for Manganese ore.	Mechanical for Iron ore and Manual for Manganese ore.	NIL.
7c	Different grade of mineral sorted out at mines.	Mainly Iron Ore having Fe grade from 45 to 58% and > 58% Fe. Manganese Ore having Mn Grade from 10 to 25% and >25% Mn.	Iron Ore: 45 to 58% Fe, 62 to 65% Fe and >65% Fe. Mn Ore: 10 to 25% Mn, 25 to 35% Mn, 35 to 46% Mn, >46% Mn and Dioxide Grade.	For reporting year i.e. 2017-18.
7d	Any beneficiation process at mines .	A wet beneficiation plant is proposed to install in the lease area for beneficiation of Iron Ore.	It is observed that wet beneficiation is being constructed.	No beneficiation process, only crushing and screening is carried out.

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Proposal of separate stacking of Sub grade material for future use or blending. A beneficiation plan of 8 MTPA is proposed to construct.	MR/Sub-grade material is being stacked separately or future use or beneficiation. A wet beneficiation plant is being under construction.	NIL.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of top soil generation, as no fresh area has been proposed for development in year 2017-18.	No top soil generation during the year 2017-18.	NIL.
8b	Concurrent use or storage of topsoil	No proposal of top soil generation, as no fresh area has been proposed for development in year 2017-18.	No top soil generation during the year 2017-18.	NIL.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping of Waste, Mineral reject has been proposed.	Separate dumping of Waste, Mineral reject was observed.	NIL.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	NIL.	NIL.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Plantation was proposed in 3 Ha area of dumps.	Plantation was done over 6.7 Ha area.	NIL.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	10500 saplings were to be planted during reporting year.	Achieved Plantation of 18540 number during reporting year.	NIL.
8g	Survival rate	No specific proposal of survival rate.	85% (within lease area)	AS per AR 2017-18.
8h	Water sprinkling on roads to control airborne dust	To control the airborne dust water sprinkling is proposed.	Water sprinkling observed.	NIL.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Water sprinkling for dust suppression by fixed and water tankers.	Water sprinkling for dust suppression by fixed and water tankers observed as per proposal.	NIL.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	As per rule 45 of MCDR , monthly and annual returns to be submitted.	Monthly and annual returns have been submitted for reporting year.	Monthly return of the mont Nov and Dec 2018 has been examined and found to be ok.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information has been furnished about Mining Engineer, Geologist, and Manager.	Mining engineer and Geologist are appointed.	Scrutiny of annual return 2017-18.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Covered under current (O/C)Workings: 158.139 Ha. (ii) Used for waste disposal 40.117 Ha. (iii) Occupied by Infrastructure & roads 42.477 Ha. (iv) Other Purpose (Storing Minerals, top soil, tailing pond & safety zone) 33.487 Ha.	The land use pattern is appears to be correct.	Scrutiny of annual return 2017-18.
9d	Scrutiny of Annual return on afforestation	18540 Nos.	The information furnished on afforestation appears to be correct.	Scrutiny of annual return 2017-18.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Iron Ore: 396781 tonne (Grade 45 to 58% Fe) and Manganese Ore: 7506 tonne (Grade 10 to 25% Mn)	The information furnished on mineral reject generation appears to be correct.	Scrutiny of annual return 2017-18.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM Iron Ore closing stock was 169100.00 tonnes and For Manganese Ore, it is furnished as NIL.	The information furnished on ROM stock appears to be correct.	Scrutiny of annual return 2017-18.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value: NIL., Ex Mine Price: Rs.1429.11 (Mn Ore) and Rs.5175.92 per tonne. The cost of the Production furnished is - 1429.11 Rs/Tonne	The Sale value is NIL because of captive consumption of the mineral. Ex mine price and cost of production furnished are appears to be correct.	Scrutiny of annual return 2017-18.
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets - Rs 3726677281	The information furnished on fixed assets is seems to correct.	Scrutiny of annual return 2017-18.

9k	Scrutiny of Annual return on mining machineries	Shovel, dumpers, loaders, water tanker, Compressor, Dozer, Explosive Van, drill machine etc.	Information furnished appears to be correct.	Scrutiny of annual return 2017-18.
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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)	02/01/2019	06/03/2019				
MCDR17	Rule 12(1)	02/01/2019	06/03/2019				

Dilip
06/03/2019

Date :

(DILIP JAIN)

Indian Bureau of Mines