INDIAN BUREAU OF MINES MINERALS DEVELOPMENT AND REGULATION DIVISION

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON-MN/SNG/MCDR-11/BBS Mine code : 300RI13011

(i) Name of the Inspecting : SQ10) SHRI G.C. SETHI

Officer and ID No.

(ii) Designation : Deputy Controller Mines

(iii) Accompaning mine : Shri Abhijit Sen, AVP(Geo), Shri Ganesh Kr. Sah, Manag

Official with Designation

(iv) Date of Inspection : 14/07/2017
(v) Prev.inspection date : 28/01/2016

PART-I : GENERAL INFORMATION

1. (a) Mine Name : NADIDIH

(b) Registration NO. : IBM/4570/2011

(c) Category : A Fully Mechanised

 $\text{(d)} \quad \text{Type of Working} \qquad \qquad \text{:} \quad \text{Opencast}$

(e) Postal address

State : ORISSA

District : SUNDARGARH
Village : NADIDIH
Taluka : BONAIGARH

Post office : GUALI(VIA)BARBIL

Pin Code

FAX No. : 06767-276161

E-mail : rungta_bbl@yahoo.com

Phone : 06767-275221/277441/277481

(f) Police Station : KOIRA

(g) First opening date : 22/10/1967

(h) Weekly day of rest : SAT

2. Address for : NADIDIH IRON &MN MINE

correspondance VILL-NADIDIH, PO-GUALI. DIST-SUNDERGARH

ORISSA. 758035

3. (a) Lease Number : ORI0126 (b) Lease area : 73.86 (c) Period of lease : 20

(d) Date of Expiry : 10/12/1987

4. Mineral worked : IRON ORE Main

MANGANESE ORE Associated

5. Name and Address of the

Lessee : BONAI INDUSTRIAL COMPANY LTD

P.O.BARBIL KEONJHAR

ORISSA

Phone:06767-30221

FAX :

Owner : M D RUSTAGI

RUNGTA OFFICE, MAIN ROAD BARBIL KEONJHAR, ORISSA

KEONJHAR ORISSA Phone: 06767275221 FAX : 06767276161

Agent : A S MOHAPATRA

RUNGTA OFFICE, MAIN ROAD BARBIL, KEONJHAR ODISHA

KEONJHAR ORISSA Phone: 06767276161 FAX : 06767276161

Mining Engineer

Name : INDRAJIT PANDA, Full Time

Qualification : B.E MINING Appointment/ : 01/07/2017

Termination date

Geologist

Name : LINGARAJ SAHOO, Full Time

Qualification : M.SC GEOLOGY
Appointment/ : 15/05/2015

Termination date

Manager

Name : GANESH SAH

Qualification : AMIE (MINING) 1ST CLASS CERTIFICATE

Appointment/ : 30/06/2008

Termination date

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 30/05/2006
Plan/Scheme of Mining Renewal under rule 24 MCR1960 09/05/2008
Modif.of approved Mining Plan 25/02/2010
Modif.approved Mining Scheme 22/01/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
la	Backlog of previous year	In the year 2016-17, it was proposed to drill 14 nos. of bore holes as envisaged in the modification of approved scheme of mining.	During the year 2016-17, 14 nos. of coring bore holes were drilled as per the modfication of approved scheme of mining.	No deviation in proposed exploration schedule during the year 2016-17.
1b	Exploration over lease area for geological axis 1 or 2	No specific proposal in the modification of approved scheme of mining.	14 nos. of bore holes were drilled in the mine during the year 2016-17.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	The lessee M/s BI Co. Ltd is the exploration agenecy for the mine and there is no specific proposal for expenditure on account of exploration.	During the year 2016-17, 14 nos. of boreholes were drilled in the mine & Rs. 6612481.00 was spend for drilling the above stated 14 nos. of bore holes.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	As per the modification of approved scheme of mining, the balance area of 2.40ha has not been explored.	The balance area of 2.40ha to be explored.	In the modification of approved scheme of mining, drilling of 42 nos. of core bore holes are proposed during the period from 2015-16 to 2017-18. However, the balance area of 2.40ha still remains unexplored as per the modification of approved scheme of mining.

Balance reserve 1e as on 01/04/20

In the modification of approved scheme of mining, the reserves/reso urces for iron ore have been estimated as on 08.12.2015 and the same is as fol;lows:-Proved reserves (111): 22.05million tonnes, Probable reserves(122) : 8.67 million tonnes & total remaining resources of 11.9 million tonnes.

The reserves/ resources for iron ore as on 01.04.2017 is as given below: - Proved reserves(111):18.79 million tonnes, Probable estimated in the reserves(122): 8.67 million tonnes & remaining resources of 11.9 million tonnes.

The production of iron ore as on 01.04.2017 has been depleted from the reserves modification of approved scheme of mining.

General remarks of inspecting officers on geology, exploration etc

1 f

In the modification of approved scheme of mining, 14 nos. of core bore holes were proposed to be drilled in the year 2016-17.

The Nadidih Iron & Manganese deposit forms a part of pre-cambrian sedimentary formation known as the Iron ore series developed in Singhbhum-Keonjhar-Bonai modification of area. The general strike approved scheme of of the formation in Northern Singhbhum is NNE-SSW but gradually changing over to NW-SE in eastern part and in the adjoining area of Mayurbhanj. During the year 2016-17, 14 nos. of coring bore holes were drilled in the lease area as per the modification of approved scheme of mining.

During the year 2016-17, 14 nos. of coring bore holes were drilled in the lease area as per the mining.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	-414 & N/S -	(i) E/W -132 to -414 & N/S -400 to -836 (ii) E/W 260 to -80 & N/S -550 to -820.	The actual location of developments with reforence to to the proposed locations are by & large okey.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	There is no top soil in the mine. However, separate benches for overburden & mineral zone are envisaged in the modification of approved scheme of mining.	Separate benches in overburden and in iron ore zone are made in both the quarries available in the mine.	Nil
2c	Stripping ratio or ore to OB ratio	The proposed Ore:OB ratio is 1: 0.06 (tonnes: cum) as envisaged in the modification of approved scheme of mining for the year 2016-17.	The actual Ore:OB ratio was 1: 0.054 (tonnes:cum)	Nil
2d	Quantity of topsoil generation in m3	No proposal for topsoil	No top soil was generated during the year 2016-17.	Nil

2e	Quantity of overburden generation in m3	cum of of Over	During the year 2016-17, 145931 cum of overburden material was generated.	The generation of overburden material was in lower side due to low production from the mine during the year 2016-17. This is due to lack of market demand for low grade iron ore.
2f	-	the proposed development of the mine for	The production & development were lagging behind against the proposal envisaged in the modification of approved scheme of mining due to lack of market demand for low grade iron ore for the aforesaid year.	The lessee could not develop the mine to the extent proposed in the approved document due to lack of market demand of low grade iron ore.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two nos. of pits are proposed for production as per the modification of approved scheme of mining.	Two pits viz. Top pit-2 & Boulder pit were under operation during the year 2016-17.	Nil
3b	Quantity of ROM mineral production proposed	In the year 2016-17, 4275636.7 tonnes of ROM was proposed to be produced as envisaged in the modification of approved scheme of mining.	During the year 2016-17, 2706866.650 tonnes of iron ore was produced.	The iron ore production was much in lower side of the proposed quantities due to lack of market demand for low grade ore as reported during the field visit.

3c	Recovery of sailable/usable mineral from ROM production	90% recovery was proposed in the modification of approved scheme of mining.	The reported recovery was about 88.07% of ROM.	Nil
3d	Quantity of mineral reject generation	In the year 2016-17, 142521.36 cum of mineral reject/low grade was proposed to be generated as envisaged in the modification of approved scheme of mining.	The mineral rejects were considered as low grade fines of 42.50% Fe contains, which were blended with the high grade ore in the process to make them salable. As such no separate mineral reject/low grade generation was reported during the year 2016-17.	The mineral rejects/low grade ore generated was blended with the high grade to make them salable.
3e	Grade of mineral rejects generation and threshold value declared.	mineral rejects/low grade varies	The mineral rejects were considered as low grade fines of 42.50% Fe contains, which were blended with the high grade ore in the process to make them salable. As such no separate mineral reject/low grade generation was reported during the year 2016-17.	Nil
3f	Quantity of sub grade mineral generation.	No sub-grade generation proposal in the approved document.	No sub-grade was generated during the year 2016-17.	Nil
3g	Grade of sub grade mineral generation	Not applicable.	No sub-grade was generated during the year 2016-17.	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method is proposed to adopted for segregation from ROM.	The same practice is being followed in the mine.	Nil

Any analysis or No such study was beneficiation benefication carried out in the mine. study proposed study has been and carried out proposed in for sub grade the mineral and modification rejects. of approved scheme of mining. Provision of Provisions for 3 ј Nil drilling and drilling by The drilling & blasting blasting in wagon drills are being practised as mineral benches of 110mm dia & per the approved blasting by document. Besides few putting rock breakers also in explosives in use to break the hard the drilled rock mass encountered in holes in the the benches. mineral as well as in overburden benches are envisaged. Besides, 6 nos. of rock breakers are proposed to be deployed to break the hard rock mass.

No

3i

3k Provision of mining machineries in mineral benches

mining machineries are proposed in the mine. excavator 3.5cum(4 nos.), Hydraulic excavator 2.5 cum(2 nos.), Hydraulic excavator 1.1cum (13nos.) Dumper 35 tonner (23 nos.), Dozer 300HP (1no.) Loader 1.7cum/2.1cum (14 nos.), Road Grader 150HP (1 no.), Rock breaker 45TPH (6nos.), Wagon drills 110mm dia(1no.), Compressor 750cfm (1 no.) Mobile screening plant 150TPH/300TPH (7 nos.) & Mobile crusher plant 150TPH/250TPH/ 100TPH (6 nos.) etc.

The following As per the annual return submitted by the party for the year 2016-17, the following mining to be deployed machineries were deployed in the mine. (i) Hydraulic Hydraulic excavator 2.5cum (3 nos.), Hydraulic excavator 1.1cum (12nos.), Rock breaker 45TPH (5nos.), Loader 2.1/1.7 cum (10nos.), Tipper/HYVA) 35 tonnes (22 nos.), Tractor mounted compressor 110cfm(1 no.), Motor grader (1 no.) etc.

A good number of mining machineries were deployed in the mine even if the production & waste handling were in lowere side of the proposed quantities.

31 Whether height of benches in overburden and mineral suitable are 8m & 12m for method of mining proposed in MP/SOM

The proposed respectively. proposal.

The height & width of height & width the benches are of the benches restricted to 8m & 12m respectively as per the

Nil

3m Total area covered under excavation/pits 2017-18 as

41.879ha at the end of the modification

scheme of mining.

of approved

An extent of 33.90 ha area has been degraded by excavation/pits as envisaged in indicated in the annual return submitted by the party for the year 2016-17.

Nil

Ore to OB ratio for the pit/mine Ore:OB ratio

The proposed

(tonnes: cum) 2016-17. for the year 2016-17.

The actual Ore:OB ration was for 1:0.054 (tonnes: during the year. was for 1:0.06 cum) during the year

The achieved Ore:OB ration for the year 2016-17 is satisfactory.

30 Total area put in use under different heads at the end of year

The item wise As per the annual return land use under submitted by the party different for the year 2016-17, heads at the the land degradation end of the status in different year 2016-17 counts is as given has not been below: - (i) Current furnished in opencast working: the 33.90ha (ii) Reclaimed/rehabilitiated modification : 0.50ha (iii) Waste of approved scheme of disposal: 12.648ha (iv) mining. Ore processing unit, buildings etc.: 5.441ha However, the land use at & (v) Green belt etc.: the end of the 14.940ha. modification period i.e. 2017-18 is as given below:-(i) Area to be excavated: 41.879ha (ii) Overburden/dum p: 11.94ha (iii) Mineral storage: 4.02ha (iv) Infrastructure & mine camp: 0.769ha(v)Road: 2.513ha (vi) Green belt: 4.575ha (vii) Tailing pond: 6.00ha & (viii) Mineral processing plant: 2.159ha.

Production of 3р ROM mineral during the last five year period mining as applicable

As the original scheme of approved for the period from 2013-14 to 2017-18 & modification for 2015-16 to2017-18, the production proposed for the period

Actual production

achieved during the

2016-17 is as given

1819969.480 tonnes,

below:- 2013-14:

tonnes

period from 2013-14 to

2014-15: 257472 tonnes

& 2016-17: 2706866.650

2015-16: 1300996 tonnes

from 2013-14 to 2016-17 is as given below:-2013-14: 2563988

tonnes from mine & 500000 cum from dump screening,

2014-15:

2825361 tonnes

from mine & 800000 cum

from dump screening,

2015-16:

3028765.5

tonnes from mine & 600000

tonnes from

dump re-

handling & 2016-

17:4275636

tonnes from

mine & 600000 tonnes from

dump re-

handling.

General remarks of inspecting officers on method of mining fully etc.

3q

The method of mining was proposed for mechanised opencast methods.

The mining operations were carried out by fully mechanised open cast method as per the proposal envisaged in the modification of approved scheme of mining.

During the above four years the achievements in production is lagging behind the proposal due to lack of market demand for low grade iron ore.

Nil

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	proposal for top soil generation from the mine. However, the OB & mineral reject (low grade ore)	No top soil was generated from the mine during the year 2016-17 & no separate dump for the same was made. The OB & waste generated was dumped in dump-A. The mineral rejects (low grade) generated from the mine was salable after dry screening.	Nil
4b	Location of topsoil, OB and mineral reject dumps	was proposed to be dumped	The OB & waste generated was dumped in dump-A during the year 2016-17. The mineral reject so generated was sold out/stacked in the designated site as per the modification of approved scheme of mining.	Nil
4c	Number of dumps within lease area and outside of lease area	existing waste	The existing dump-A is the active dump in the mine.	Nil

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	The dump-A has been proposed beyond the ultimate pit limit as per the modification of approved scheme of mining.	The dump-A was found located beyond the ultimate pit limit.	Nil
4e	Number of active and alive dumps.	Dump-A is proposed for active/alive dump as envisaged in the modification of approved scheme of mining.	The lone existing dump viz. dump-A is considered as the active dump.	Nil
4f	Number of dead dumps.	No such proposal.	Nil	Nil
4 g	Number of dumps established.	One.	Dump-A	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	drains of 1.5m	The concrete retaining wall of above dimension has been constructed around the dump as per the proposal.	Nil
4i	Length of Retaining wall or garland drain all along dumps	No such specific proposal.	The concrete retaining wall of 1.5m height & 1.5m width have already constructed around the dump as found during the inspection.	Nil
4j	Number of settling ponds	No specific proposal.	No settling tank seen.	Nil

4k Specific comments of inspecting officer on waste dump-A as per dump management the proposal.

The waste dumping was proposed in Dumping is being done in dump-A as observed during the inspection.

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.	A part of top- 2 pit was proposed to be backfilled in the year 2016- 17.	No such backfilling was undertaken during the year 2016-17.	Violation for not backfilling the proposed location has been pointed out under rule 11(1) of MCDR,2017.
5b	Area under backfilling of mined out area	An extent of 0.50ha of mined out area has been proposed to be backfilled in the year 2016-17.	No backfilling was done during the year 2016-17.	Violation under rule 11(1) of MCDR,2017 has been pointed out.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal for topsoil generation.	No restoration has been done during the year 2016-17.	Nil
5d	Total area fully reclaimed and rehabilitated	No such proposal.	Not done during the year 2016-17.	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	was proposed	No reclamation has been done during the year 2016-17 as per the proposal.	Violation for the same has been pointed out under rule 11(1) of MCDR,2016-17.

Progressive Mine Clousre Plan:

Sl.No. Item Propasals Actual work Remarks	Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	No such proposal in the modification of approved scheme of mining.	The annual report on PMCP for the year 2016-17 has been submitted by the party under rule 26(2) of MCDR, 2017.	Nil
6b	Area available for rehabilitation (ha) .	No such specific proposal in the approved document.	Nil	Nil
6c	afforestation done (ha).	In the year 2016-17, there are 10,000 nos. of saplings were proposed to be planted but no specific information about the extent of plantation area is available.		The actual plantation done during the year 2016-17 is in higher side of the proposed numbers.
6d	No. of saplings planted during the year	10000 nos. of saplings are proposed for the year 2016-17.	13800 nos. of saplings were planted during the year 2016-17.	More plantation has been done during 2016-17 against the proposed number.
бе	Cumulative no .of plants	No such proposal in the modification of approved scheme of mining.	commulatively, 149182 nos. of plantation has been done till the end of the year 2016-17.	Nil
6f	Any other method of rehabilitation	No such proposal.	Nil	Nil
6g	Cost incurred on watch and care during the year	No such proposal.	Not available.	Nil

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	An extent of 0.50ha of mined out area was proposed to be backfilled in the year 2016-17.		Violation under rule 11(1) of MCDR,2017 has been pointed out to the party.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	An extent of 0.50ha of mined out area was proposed to be backfilled in the year 2016-17.		Violation under rule 11(1) of MCDR,2017 has been pointed out to the party.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area			Violation under rule 11(1) of MCDR,2017 has been pointed out to the party.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposal.	No water reservior by way of rehabilitation measures has been made and no such proposal is given in the modification of approved scheme of mining.	Nil
61	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No any other specific proposal.	Not applicable.	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	10000 nos. of saplings are proposed for the year 2016-17 in the lease area.	13800 nos. of saplings were plantd during the year 2016-17.	More plantation has been done during the year against the proposal made in the modification of approved scheme of mining.

бn	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil	Nil
60	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No such proposal.	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	No such specific proposal for core zone and buffer zone has been furnished in the modification of approved scheme of mining.	The ambient air quality, water quality, noise level, vibration level etc. were being monitored in every quarter and found within the permissible limits.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No comments to offer.	The reclamation over an extent of 0.50ha of mined out area could not completed as the same was proposed for the year 2016-17.	Violation for not completing the reclamation has been pointed out to the party under rule 11(1) of MCDR,2017.

Actual work

Remarks

Mineral Conservation:

Item

Sl.No.

Propasals

Nil

Nil

7a ROM Mineral dispatch or grade-wise sorting within lease area

The ROM the mining operation or from dump rehandling are processed of dry screening units & 7 set of crushing units. The prossed ore (sized ore & fines) are then dispatched to buyers desitnation.

The ROM produced from produced from the mining operations & re-handing of dumps are processed through 7 sets of screening units & 7 sets of crushing units and the processed ore through 7 nos. both sized & fines are supplied to the prospective buyers.

7b Method of grade- The ROM wise mineral sorting i.e. manual or

mechanical.

the mining operations & dumps are processed of screening of crushing units and the processed ore both sized & fines are supplied to the prospective buyers.

The ROM produced from produced from the mining operations & re-handing of dumps were processed through 7 sets re-handing of of screening units & 7 sets of crushing units and the processed ore through 7 sets both sized & fines are supplied to the units & 7 sets prospective buyers.

7с Different grade of mineral sorted out at mines.

the ore proposed for processed through 7 sets of screening units & 7 sets of crushing units.

The grades of The grades of the ore obtained for +55%Fe, -55%Fe & -455Fe after +55%Fe, -55%Fe processed through 7 sets & -455Fe after of screening units & 7 sets of crushing units.

7d	Any beneficiation process at mines .	the mining operations & re-handing of dumps are processed through 7 sets of screening	sets of crushing units to get grades of the ore +55%Fe, -55%Fe & -45%Fe	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No comment is offered.	The ROM produced from the mining operations & re-handing of dumps are processed through 7 sets of screening units & 7 sets of crushing units to get grades of the ore +55%Fe, -55%Fe & -45%Fe to meet the requirement of the consuming industries.	There is no mineral conservation problems in the mine.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	_	generation was	No topsoil was generated during the year 2016-17.	Nil
8b	Concurrent use or storage of topsoil	No such proposal.	Nil	Nil

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Part of the over burden material generated was proposed to be dumped in dump-A.	During the year, the dumping was done in dump-A as per the proposal.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Part of the overburden material was proposed to be backfilled in mined out portion of top-2 pit as envisaged in the modification of approved scheme of mining for the year 2016-17.		Violation under rule 11(1) of MCDR,2017 was pointed out to the party.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Phased restoration was not proposed. However, a portion of mined out area of of top-2 pit was proposed in 2016-17.	The reclamation of the proposed location of top-2 pit was not backfilled during the year 2016-17.	Violation for the same was pointed out to the party under rule 11(1) of MCDR,2017.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	There was a proposal to plant 10000 nos. of saplings within the lease area during the year 2016-17.	During the year 2016-17, 13800 nos. of saplings were planted in the lease area.	The actual plantation done was in higher side of the proposed number given in the modification of approved scheme of mining.
8g	Survival rate	No specific proposal for survival rate of plantation furnished in the approved document.	The reported survival rate of plantation was about 90%.	Nil

8h	Water sprinkling on roads to control airborne dust	sprinkling was	Water sprinkling was a regular practice as reported during the field visit.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Coir matting on the inactive portion of the dump enhances the aesthetic beauty of the mine.	Nil

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	submitted all the monthly &	all the returns has been verified and found in order for the year 2016-	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	status of mining engineer,	The employment status of mining engineer, geologist & mine manager was verified in the field & found in order.	Nil

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	different counts furnished in the annual		The extent of area mentioned under the item reclaimed/rehabili tated is appears to be not correct as no reclaimation has been done during the year 2016-17 & the violation for the same has already been issued under rule 11(1) of MCDR, 2017.
9d	Scrutiny of Annual return on afforestation	As per the annual return 2016-17, 13800 nos. of saplings were planted in the lease area.	The same was verified and found in order.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	status of mineral rejects has not been furnished in the annual return. However, the	The mineral rejects generated from the mine was processed through dry screening & made salable as reported during the inspection and the proposal for such processing also furnished in the modification of approved scheme of mining.	Nil

rejects.

Scrutiny of During the The production figures Annual return on year 2016-17, of iron ore both lumps ROM stock and/or 2706867 tonnes & fines furnished in the graded ore of lumps/fines annual return 2016-17 is found in order. iron ore was produced from the mine and the grades of the ore varies from 55% to -65% Fe. 9g Scrutiny of The ex-mine The ex-mine price Nil Annual return on price for furnished for lumps & sale value, Ex. fines of diffrent iron lumps are Mine price and mentioned to ore grades are are production cost be for Rs. appears to be correct. 1675.59 & Rs. 2105.80 respectively for the grades 60 to -62% Fe & 62 to -65% Fe. The exmine price for varied grades of iron ore fines is mentioned to be for Rs. 1034.61, Rs. 1468.66, Rs. 685.10 & Rs. 1043.67 respectively in the annual return submitted by the party for the year 2016-

17.

9f

9h	Scrutiny of Annual return on fixed assets	The value of the fixed assets at the beginning of the year is mentioned to be for Rs. 243481100 & the closing balance at the end of the year 2016-17 is indicated to be for Rs. 206869900.	The value of the fixed assets furnished in the annual return was not available for verification.	Nil
9k	Scrutiny of Annual return on mining machineries	like	The deployment status of all above mining machineries are found to be satisfactory.	Nil

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

Violation observed			Show couse position		
Rule NO.	Issued on Compliance	e on	Rule	NO.	Issued on Compliance on
MCDR17 Rule 11(1)	21/07/2017		MCDR17	Rule	11(121/07/2017

Date: (SHRI G.C. SETHI)

Indian Bureau of Mines