

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON/KJR/MCDR-25/BBS

Mine code : 30ORI08030

- (i) Name of the Inspecting : **SRM**) **SHRI SUDIP RANJAN MAZUMDAR**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri Smrutiranjana Behera, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 16/02/2020
- (v) Prev.inspection date : 02/09/2019

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : JORURI (335 AC)
- (b) **Registration NO.** : IBM/5289/2011
- (c) **Category** : A Fully Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ORISSA
- District : KEONJHAR
- Village : JORURI
- Taluka : BARBIL
- Post office : JAJANG
- Pin Code : 758052
- FAX No. : 0671-2508259
- E-mail : kmc53@gmail.com
- Phone : 0671-2508259
- (f) **Police Station** : Bamberi
- (g) **First opening date** : 15/06/1957
- (h) **Weekly day of rest** : TUE
2. **Address for correspondance** : JORURI IRON MINE M/S KMC
P.O.JAJANG, DIST:KEONJHAR
ORISSA-758052
3. (a) **Lease Number** : ORI0064
- (b) **Lease area** : ~~135.57~~ 73.228 Ha
- (c) **Period of lease** : ~~20~~ Lease expiry on 31.03.2020
- (d) **Date of Expiry** : ~~10/04/1997~~ 31.03.2020
4. **Mineral worked** : MANGANESE ORE Associated
IRON ORE Main

5. Name and Address of the

Lessee : KALINGA MINING CORPORATION
P.O.JAJANG KEONJHAR
ORISSA
Phone:79206
FAX :

Owner : M/S.Kalinga Mining Corporation
po.Jajang KEONJHAR ORISSA
Phone: 06767- 79206
FAX :

Agent : Sri.T.Pal
C/O KALINGA MINING CORP
P.O.JAJANG KEONJHAR ORISSA
Phone: 79206
FAX :

Mining Engineer

Name : A.K.BEHERA, Full Time
Qualification : AMIE MINING
Appointment/ : 07/12/2007
Termination date

Geologist

Name : RANJAN KUMAR MOHARANA, Full Time
Qualification : Msc. Applied Geology
Appointment/ : 01/01/2002
Termination date

Manager

Name : S.R.BEHERA
Qualification : DIPLOMA MINING
Appointment/ : 08/02/2011
Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Renewal under rule 24 MCR1960	05/07/2005
		Mining Scheme rule 12 MCDR1988	25/03/2009
		Modif.approved Mining Scheme	07/04/2011
		Mining Scheme rule 12 MCDR1988	26/04/2012
		MP modif under 17(3) MCR 2016	10/11/2016
		FMCP under 23C(1)	22/11/2018

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	As per FMCP approved dated 22.11.2018, in 2018-19, 8 nos of boreholes has been proposed to be drilled.	In 2018-19, 8 nos of boreholes have been drilled.	In 2018-19, 8 nos of boreholes have been drilled.
1b	Exploration over lease area for geological axis 1 or 2	As per FMCP approved dated 22.11.2018, in 2018-19, 8 nos of boreholes has been proposed to be drilled.	In 2018-19, 8 nos of boreholes have been drilled. Entire lease area has been explored under G1 level of exploration.	In 2018-19, 8 nos of boreholes have been drilled. Entire lease area has been explored under G1 level of exploration.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Specified for exploration proposal	Exploration Agency: M/s Thriveni Exploration Pvt Ltd; Expenditure incurred: Rs 8.0 Lakhs (approx.)	Exploration Agency: M/s Thriveni Exploration Pvt Ltd; Expenditure incurred: Rs 8.0 Lakhs (approx.)
1d	Balance area to be explored to bring Geological axis in 1 or 2	As per FMCP approved dated 22.11.2018, in 2018-19, 8 nos of boreholes has been proposed to be drilled.	In 2018-19, 8 nos of boreholes have been drilled. Entire lease area has been explored under G1 level of exploration.	In 2018-19, 8 nos of boreholes have been drilled. Entire lease area has been explored under G1 level of exploration.

1e	Balance reserve as on 01/04/20	As per the modification of mining plan approved dated 10.11.2016, the reserve is 6.216 million tones and remaining resources is 0.621 million tones. Total Reserve and Resource is 6.837 million tones	Reserve as on 01.04.2019 is 4.467 million tones and remaining resources at 0.621 million tones. Total Reserve and Resource is 5.088 million tones	Reserve as on 01.04.2019 is 4.467 million tones and remaining resources at 0.621 million tones. Total Reserve and Resource is 5.088 million tones
1f	General remarks of inspecting officers on geology, exploration etc	As per FMCP approved dated 22.11.2018, in 2018-19, 8 nos of boreholes has been proposed to be drilled.	In 2018-19, 8 nos of boreholes have been drilled. Entire lease area has been explored under G1 level of exploration.	In 2018-19, 8 nos of boreholes have been drilled. Entire lease area has been explored under G1 level of exploration.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In 2018-19, Development proposed in Top pit and Tata pit	In 2018-19, development carried out in Top pit and Tata pit	In 2018-19, development carried out in Top pit and Tata pit
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	There was no proposal for top soil and overburden. SB/IB present in the mineral benches.	There was no generation of top soil. SB/IB present intercalated within the mineral benches.	There was no generation of top soil. SB/IB present intercalated within the mineral benches.

2c	Stripping ratio or ore to OB ratio	1: 0.976 t/t	1:0.435 t/t	Stripping ratio varies due to less development than proposed as ROM production was less than proposed. Also, the actual generation of waste was less than proposed
2d	Quantity of topsoil generation in m3	There was no proposal for top soil	There was no generation of top soil.	There was no generation of top soil.
2e	Quantity of overburden generation in m3	In 2018-19, there was no proposal for overburden. Proposal for SB/IB generation from insitu excavation was 282853 cum. However, total generations of waste including waste from pit, beneficiation plant and from rehandling of subgrade dump will be 422222 cum	In 2018-19, total waste generated 188510 tones. Less waste generated due to less ROM production than proposed. Also, the beneficiation plant was not operational and rehandling of subgrade dump was incomplete. Violation was issued under rule 26(1) of MCDR, 2017.	In 2018-19, total waste generated 188510 tones. Less waste generated due to less ROM production than proposed. Also, the beneficiation plant was not operational and rehandling of subgrade dump was incomplete. Violation was issued under rule 26(1) of MCDR, 2017.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	In 2018-19, Development proposed in Top pit and Tata pit	In 2018-19, development carried out in Top pit and Tata pit	In 2018-19, development carried out in Top pit and Tata pit

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two nos of pits	Two nos of pits	Two nos of pits

3b	Quantity of ROM mineral production proposed	1504321 tones	433510 tones	433510 tones
3c	Recovery of sailable/usable mineral from ROM production	786831 tones	403650 tones	Less generation of saleable ore due to less ROM production
3d	Quantity of mineral reject generation	717490 tones	29860 tones	Less generation of mineral reject due to less ROM production which includes rehandling of subgrade dump-1. Violation was issued for not rehandling subgrade dump-1 under rule 26(1) of MCDr 2017.
3e	Grade of mineral rejects generation and threshold value declared.	45% to 58% Fe	55% to 58% Fe	55% to 58% Fe
3f	Quantity of sub grade mineral generation.	717490 tones	29860 tones	Less generation of subgrade due to less ROM production which includes rehandling of subgrade dump-1. Violation was issued for not rehandling subgrade dump-1 under rule 26(1) of MCDr 2017.
3g	Grade of sub grade mineral generation	45% to 58% Fe	55% to 58% Fe	55% to 58% Fe
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	Mechanized

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Lessee has already established a beneficiation plant of 0.666 MTPA capacity to upgrade low grade/subgrade ore	Lessee has already established a beneficiation plant of 0.666 MTPA capacity to upgrade low grade/subgrade ore. However, the plant was not operational during the year 2018-19.	Lessee has already established a beneficiation plant of 0.666 MTPA capacity to upgrade low grade/subgrade ore. However, the plant was not operational during the year 2018-19.
3j	Provision of drilling and blasting in mineral benches	Drilling and blasting operation will be carried out at hard/laminated iron ore zone. Drilling is proposed to be done using 115 mm diameter drills. Blasting will be done by using mostly SME along with conventional explosives	Drilling & blasting done as proposed as per requirement.	Drilling & blasting done as proposed as per requirement.
3k	Provision of mining machineries in mineral benches	Excavator and dumper combination have been proposed for mining in mineral benches.	Excavator and dumper combination have been deployed for mining in mineral benches.	Excavator and dumper combination have been deployed for mining in mineral benches.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of the benches proposed is 10 m	Height of benches in overburden and mineral is suitable for method of mining proposed in mining plan. Bench height is maintained.	Height of benches in overburden and mineral is suitable for method of mining proposed in mining plan. Bench height is maintained.
3m	Total area covered under excavation/pits	Area under mining at the end of plan period will be 23.531 Ha	Area under mining at the end of 2018-19 is 22.056 Ha as reported in annual return for 2018-19	Area under mining at the end of 2018-19 is 22.056 Ha as reported in annual return for 2018-19

3n	Ore to OB ratio for the pit/mine during the year.	1: 0.976 t/t	1:0.435 t/t	Stripping ratio varies due to less development than proposed as ROM production was less than proposed. Also, the actual generation of waste was less than proposed
3o	Total area put in use under different heads at the end of year	Total area put in use under different heads at the end of plan period will be 44.154 Ha	Total area put in use under different heads at the end of 2018-19 is 41.079 Ha	Total area put in use under different heads at the end of 2018-19 is 41.079 Ha
3p	Production of ROM mineral during the last five year period as applicable	2014-15=898353 MT 2015-16=1056140 MT 2016-17=1199744 MT 2017-18=2100000 MT 2018-19=1504321 MT	2014-15=64756 MT 2015-16=285442 MT 2016-17=922792MT 2017-18=744855 MT 2018-19=433510 MT	2014-15=64756 MT 2015-16=285442 MT 2016-17=922792MT 2017-18=744855 MT 2018-19=433510 MT
3q	General remarks of inspecting officers on method of mining etc.	Insitu excavation of ROM has been proposed from two pits namely Tata pit and Top pit.	The insitu ROM excavation has been carried out from two pits namely Tata pit and Top pit.	The insitu ROM excavation has been carried out from two pits namely Tata pit and Top pit.

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)	There was no proposal for top soil generation. Waste generation has been planned to be utilized in road maintenance and backfilling in village pit. Mineral reject have been partly planned for stacking and partly for beneficiation.	There was no generation of top soil. Waste generated during mining operation has been backfilled in village pit also utilised for road maintenance. The quantity of mineral reject generated was less and it was stacked. Beneficiation plant was not operational.	There was no generation of top soil. Waste generated during mining operation has been backfilled in village pit also utilised for road maintenance. The quantity of mineral reject generated was less and it was stacked. Beneficiation plant was not operational.
4b	Location of topsoil, OB and mineral reject dumps	There was no proposal for top soil generation. Waste generation has been planned to be utilized in road maintenance and backfilling in village pit. Mineral reject have been partly planned for stacking and partly for beneficiation.	There was no generation of top soil. Waste generated during mining operation has been backfilled in village pit also utilised for road maintenance. The quantity of mineral reject generated was less and it was stacked. Beneficiation plant was not operational.	There was no generation of top soil. Waste generated during mining operation has been backfilled in village pit also utilised for road maintenance. The quantity of mineral reject generated was less and it was stacked. Beneficiation plant was not operational.
4c	Number of dumps within lease area and outside of lease area	Two waste dumps namely waste dump-1 and waste dump-2 within lease area. No dumps outside lease area.	Two waste dumps namely waste dump-1 and waste dump-2 within lease area. No dumps outside lease area.	Two waste dumps namely waste dump-1 and waste dump-2 within lease area. No dumps outside lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL	Outside the UPL	Outside the UPL

4e	Number of active and alive dumps.	No active dump	No active dump	No active dump
4f	Number of dead dumps.	Two dumps	Two dumps	Two dumps
4g	Number of dumps established.	One dump	One dump	One dump
4h	Whether Retaining wall or garland drain all along dumps are there.	As per the FMCP approved dated 22.11.18, in 2018-19, 640m of retaining wall have been proposed for construction around dump	It was observed during inspection that retaining wall along the subgrade dump-1 was not been constructed which should have been completed by 2018-19. Violation was issued under rule 26 (1) of MCDR 2017	It was observed during inspection that retaining wall along the subgrade dump-1 was not been constructed which should have been completed by 2018-19. Violation was issued under rule 26 (1) of MCDR 2017
4i	Length of Retaining wall or garland drain all along dumps	As per the FMCP approved dated 22.11.18, in 2018-19, 640m of retaining wall have been proposed for construction around dump	It was observed during inspection that retaining wall along the subgrade dump-1 was not been constructed which should have been completed by 2018-19. Violation was issued under rule 26 (1) of MCDR 2017	It was observed during inspection that retaining wall along the subgrade dump-1 was not been constructed which should have been completed by 2018-19. Violation was issued under rule 26 (1) of MCDR 2017
4j	Number of settling ponds	As per the FMCP approved dated 22.11.18, in 2018-19, four nos of settling ponds have been proposed	Four nos of settling ponds have been constructed	Four nos of settling ponds have been constructed

4k	Specific comments of inspecting officer on waste dump management	There was no proposal for top soil generation. Waste generation has been planned to be utilized in road maintenance and backfilling in village pit.	There was no generation of top soil. Waste generated during mining operation has been backfilled in village pit and also utilized for road maintenance. It was observed during inspection that retaining wall along the subgrade dump-1 was not been constructed which should have been completed by 2018-19. Violation was issued under rule 26 (1) of MCDR 2017	There was no generation of top soil. Waste generated during mining operation has been backfilled in village pit and also utilized for road maintenance. It was observed during inspection that retaining wall along the subgrade dump-1 was not been constructed which should have been completed by 2018-19. Violation was issued under rule 26 (1) of MCDR 2017
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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.	Backfilling of village pit proposed	Backfilling of village pit has been done as proposed	Backfilling of village pit has been done as proposed
5b	Area under backfilling of mined out area	3.879 ha	3.879 ha	3.879 ha
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not Proposed	Nil	Nil

5d	Total area fully reclaimed and rehabilitated	As per approved FMCP, in 2018-19, plantation has been proposed over 4.0 Ha of backfilled area at Tata pit and near village pit.	4.0 Ha of backfilled area at Tata pit and near village pit.	4.0 Ha of backfilled area at Tata pit and near village pit.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Backfilling of village pit is proposed	Backfilling of village pit has been done as proposed	Backfilling of village pit has been done as proposed

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).	Annual report on PMCP to be submitted as per Rule 26 (2) of MCDR, 2017	Annual report on PMCP for the year 2018-19 have been submitted	Annual report on PMCP for the year 2018-19 have been submitted
6b	Area available for rehabilitation (ha) .	Afforestation of 1.98 ha as part of dump management	Afforestation work was under progress	Afforestation work was under progress
6c	afforestation done (ha).	1.98 Ha	About 1.50 Ha	Afforestation work was under progress
6d	No. of saplings planted during the year	4950 nos of saplings	In 2018-19, total 6795 nos of saplings have been planted by lessee	In 2018-19, total 6795 nos of saplings have been planted by lessee
6e	Cumulative no .of plants	Not Specified	Cumulative no of saplings planted in the lease area is about 151778 nos	Cumulative no of saplings planted in the lease area is about 151778 nos

6f	Any other method of rehabilitation	Coir matting of 0.56 ha area over subgrade dump	It was observed during inspection that the proposed coir matting was not done which should have been completed by 2018-19. Violation has been issued under rule 26(1) of MCDR 2017	It was observed during inspection that the proposed coir matting was not done which should have been completed by 2018-19. Violation has been issued under rule 26(1) of MCDR 2017
6g	Cost incurred on watch and care during the year	3.0 lakhs	Approx 0.70 lakh	Approx 0.70 lakh
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	3.879 ha in village pit	About 3.879 ha in village pit has been backfilled	About 3.879 ha in village pit has been backfilled
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	3.879 ha in village pit	About 3.879 ha in village pit has been backfilled	About 3.879 ha in village pit has been backfilled
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	4.0 Ha plantation over backfilled area at Tata pit and near village pit	4.0 Ha plantation over backfilled area at Tata pit and near village pit	4.0 Ha plantation over backfilled area at Tata pit and near village pit
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not proposed	Nil	Nil

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not proposed	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not proposed	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring of environmental parameters proposed	Quarterly monitoring of environmental parameters is being done	Quarterly monitoring of environmental parameters is being done
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Backfilling of 3.879 ha in village pit proposed. Coir matting of 0.56 ha area over subgrade dump is proposed.	About 3.879 ha in village pit has been backfilled. It was observed during inspection that the proposed coir matting was not done which should have been completed by 2018-19. Violation has been issued under rule 26(1) of MCDR 2017.	About 3.879 ha in village pit has been backfilled. It was observed during inspection that the proposed coir matting was not done which should have been completed by 2018-19. Violation has been issued under rule 26(1) of MCDR 2017.

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	Grade wise sorting within lease area	Grade wise sorting within lease area

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	Mechanical
7c	Different grade of mineral sorted out at mines.	45% Fe to -58% Fe and +58% Fe	45% Fe to -58% Fe and +58% Fe	45% Fe to -58% Fe and +58% Fe
7d	Any beneficiation process at mines .	Lessee has already established a beneficiation plant of 0.666 MTPA capacity to upgrade low grade/subgrade ore	Lessee has already established a beneficiation plant of 0.666 MTPA capacity to upgrade low grade/subgrade ore. However, the plant was not operational during the year 2018-19.	Lessee has already established a beneficiation plant of 0.666 MTPA capacity to upgrade low grade/subgrade ore. However, the plant was not operational during the year 2018-19.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Grade wise sorting within lease area	Grade wise sorting within lease area. Lessee has already established a beneficiation plant of 0.666 MTPA capacity to upgrade low grade/subgrade ore. However, the plant was not operational during the year 2018-19.	Grade wise sorting within lease area. Lessee has already established a beneficiation plant of 0.666 MTPA capacity to upgrade low grade/subgrade ore. However, the plant was not operational during the year 2018-19.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	Nil	Nil
8b	Concurrent use or storage of topsoil	Not proposed	Nil	Nil

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Waste generation has been planned to be utilized in road maintenance and backfilling in village pit. Mineral reject have been partly planned for stacking and partly for beneficiation.	Waste generated during mining operation has been backfilled in village pit also utilised for road maintenance. The quantity of mineral reject generated was less and it was stacked. Beneficiation plant was not operational.	Waste generated during mining operation has been backfilled in village pit also utilised for road maintenance. The quantity of mineral reject generated was less and it was stacked. Beneficiation plant was not operational.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Backfilling of village pit proposed	Backfilling of village pit has been done.	Backfilling of village pit has been done.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	4.0 Ha plantation over backfilled area at Tata pit and near village pit	4.0 Ha plantation over backfilled area at Tata pit and near village pit	4.0 Ha plantation over backfilled area at Tata pit and near village pit
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	4950 nos of saplings proposed	In 2018-19, total 6795 nos of saplings have been planted within the lease area	In 2018-19, total 6795 nos of saplings have been planted within the lease area
8g	Survival rate	Not Specified	Survival rate: 75% as reported in annual return for 2018-19	Survival rate: 75% as reported in annual return for 2018-19
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads to control airborne dust is proposed	Water sprinkling on roads to control airborne dust is being done	Water sprinkling on roads to control airborne dust is being done

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Plantation of 4950 nos of saplings is proposed	In 2018-19, total 6795 nos of saplings have been planted within lease area as reported in annual return for 2018-19. Aesthetic beauty in and around mines is maintained.	In 2018-19, total 6795 nos of saplings have been planted within lease area as reported in annual return for 2018-19. Aesthetic beauty in and around mines is maintained.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual returns to be submitted as per rule 45 of MCDR 2017	Monthly returns and annual return for 2018-19 have been submitted.	Monthly returns and annual return for 2018-19 have been submitted.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information on Manager, Mining Engineer and Geologist furnished in annual return for 2018-19	Manager, Mining Engineer and Geologist have been appointed in mines.	Manager, Mining Engineer and Geologist have been appointed in mines.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Lease area (surface area) utilization at the end of the year as furnished in annual return for 2018-19. Covered under current working: 22.056 ha, Used for waste disposal: 3.8 Ha, Occupied by plant buildings, residential, welfare buildings & roads: 2.759 Ha, other purposes: 10.964 Ha	Lease area (surface area) utilization at the end of the year as furnished in annual return for 2018-19. Covered under current working: 22.056 ha, Used for waste disposal: 3.8 Ha, Occupied by plant buildings, residential, welfare buildings & roads: 2.759 Ha, other purposes: 10.964 Ha	Lease area (surface area) utilization at the end of the year as furnished in annual return for 2018-19. Covered under current working: 22.056 ha, Used for waste disposal: 3.8 Ha, Occupied by plant buildings, residential, welfare buildings & roads: 2.759 Ha, other purposes: 10.964 Ha
9d	Scrutiny of Annual return on afforestation	In 2018-19, total 6795 nos of saplings have been planted within the lease area	In 2018-19, total 6795 nos of saplings have been planted within the lease area	In 2018-19, total 6795 nos of saplings have been planted within the lease area
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Quantity: 29860 tones, Grade 55% to 58% Fe	Quantity: 29860 tones, Grade 55% to 58% Fe	Quantity: 29860 tones, Grade 55% to 58% Fe
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing stock of ROM is Nil	Closing stock of ROM is Nil	Closing stock of ROM is Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Production Cost per tonne: Rs 1264.16	Production Cost per tonne: Rs 1264.16	Production Cost per tonne: Rs 1264.16
9h	Scrutiny of Annual return on fixed assets	Rs 174643207 as furnished in annual return for 2018-19	Rs 174643207 as furnished in annual return for 2018-19	Rs 174643207 as furnished in annual return for 2018-19

9k	Scrutiny of Annual return on mining machineries	Backhoe 2.1 cum/0.9 cum/0.340 capacity: 1 no, 4 no and 1 no respectively; load haul dumper, 9.1 cum capacity: 5 nos; load haul dumper, 6.1 cum capacity: 3 nos; wheel loader, 5.1 cum capacity; 2 nos; wheel loader, 4.0 cum capacity: 1 no; blast hole drill : 1 no etc	Backhoe 2.1 cum/0.9 cum/0.340 capacity: 1 no, 4 no and 1 no respectively; load haul dumper, 9.1 cum capacity: 5 nos; load haul dumper, 6.1 cum capacity: 3 nos; wheel loader, 5.1 cum capacity; 2 nos; wheel loader, 4.0 cum capacity: 1 no; blast hole drill : 1 no etc	Backhoe 2.1 cum/0.9 cum/0.340 capacity: 1 no, 4 no and 1 no respectively; load haul dumper, 9.1 cum capacity: 5 nos; load haul dumper, 6.1 cum capacity: 3 nos; wheel loader, 5.1 cum capacity; 2 nos; wheel loader, 4.0 cum capacity: 1 no; blast hole drill : 1 no etc
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Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Rule 26(1)	18/02/2020				
Rule 45(5)	18/02/2020				

Date :

Sudip Ranjan Mazumdar
02/07/2020
(SHRI SUDIP RANJAN MAZUMDAR)

Indian Bureau of Mines