

I/17459/2023

MCDR inspection REPORT

Bangalore regional office

Mine file No : KNT/BLR/MN/39/BNG

Mine code : 40KAR03014

- (i) Name of the Inspecting : **S006**) **DR.SURESH PRASAD**
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sri.Bharath Kumar R.S.Mines Manager, Shri.Jalli Subra
Official with
Designation
- (iv) Date of Inspection : 06/07/2023
- (v) Prev.inspection date : 13/09/2022

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SMIORE ML NO. 2679**
- (b) **Registration NO.** : **IBM/35/2011**
- (c) **Category** : **A Fully Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State** : **KARNATAKA**
- District** : **BELLARY**
- Village** : **RAMGAD**
- Taluka** : **SANDUR**
- Post office** : **SANDUR**
- Pin Code** :
- FAX No.** : **08395- 271066, 080-2361316**
- E-mail** : **eps@sandurgroup.com**
- Phone** : **(08395)- 271025/29/40/28, (**
- (f) **Police Station** : **SANDUR**
- (g) **First opening date** : **01/01/1954**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **M/s THE SANDUR MANGANESE & IRON ORES LTD,**
NO.9, BELLARY ROAD, SADASHIVANAGAR,
BANGALORE - 560080
3. (a) **Lease Number** : **KAR0224**
- (b) **Lease area** : **4335.68**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **31/12/1993**
4. **Mineral worked** : **IRON ORE** Associated
MANGANESE ORE Main

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5. Name and Address of the

Lessee : SANDUR MANGANESE & IRON ORES LTD
 DEOGIRI (PO)-583 112 SANDUR
 BELLARY KARNATAKA
 Phone:08395-271025/28/29/40
 FAX :08395-271066

Owner : Md.Abdul Saleem (Director Mines),Nominated owner
 DEOGIRI SANDUR Tq BELLARY
 BELLARY KARNATAKA
 Phone: 08395-271025/28
 FAX : 08395-271066

Agent : B SAHOO
 NMDC LIMITED PO DONIMALAI
 BELLARY KARNATAKA
 Phone:
 FAX : 08395274624

Mining Engineer
 Name : KARTHIK R K,Full Time
 Qualification : B E MINING
 Appointment/ : 15/10/2014
 Termination date

Geologist
 Name : Jalli.Subramanyam,Full Time
 Qualification : M.Sc. Geology
 Appointment/ : 01/12/2010
 Termination date

Manager
 Name : BHARATH KUMAR.R.S
 Qualification : D.MIN.ENGG WITH F.C.C
 Appointment/ : 04/09/2019
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Existing rule 11 MCDR1988	28/04/1992
		Mining Scheme rule 12 MCDR1988	19/05/1999
		Mining Scheme rule 12 MCDR1988	28/09/2006
		Mining Scheme rule 12 MCDR1988	15/01/2013
		Renewal under rule 22 MCR1960	05/12/2013
		Modif.of approved Mining Plan	25/05/2016
		Modif.of approved Mining Plan	08/12/2017
		MP review under 17(1) MCR 2016	08/12/2017
		MP review under 17(1) MCR 2016	05/10/2018

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PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Proposal	13 Holes of RC Drilling -597 meters 2 holes of DTH Drilling-60 meters have been drilled	Cumulative till 01.04.2023, 110 exploratory drill holes with 9094 meters has been carried out in the lease area
1b	Exploration over lease area for geological axis 1 or 2	No Proposal for the Reporting Year	G1-98.68 ha G2-14.83 ha Non Mineralised-25.69 ha	Mineralized zone has been explored, Exploration during the plan period 2023-24 to 2027-28 has been proposed for upgrading area under G2 to G1.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No Proposal for the Reporting Year	APC Drilling and Construction Nammakal Tamilnadu for RC Drilling SMIORE (Departmental) for DTH Drilling	Rs 31.06 lakh has been reported as incurred towards exploratory drilling, sampling and analysis charges
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposal for the Reporting Year	14.83 ha in G2 category to be explored up to G1 category	Exploration during the plan period 2023-24 to 2027-28 has been proposed for upgrading area under G2 to G1.
1e	Balance reserve as on 01/04/20		As on 01.04.2023 Manganese Ore in tonnes-10,49,825 Iron ore in tonnes -18,75,334	AR submitted as per the financial year 2022-23 on 28 June 2023.

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1f	General remarks of inspecting officers on geology, exploration etc	The Mining lease area consists Mn ore with grade ranging from 22-28% Mn in 3 different blocks and iron ore formation as ferruginous laterite capping on Manganese ore zones and Manganiferrous phyllite with grade range 45-55% Fe. Cumulative till 01.04.2023, 110 exploratory drill holes with 9094 meters has been carried out in the lease area. G1-98.68 ha. G2-14.83 ha, Non-Mineralised-25.69 ha.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Proposed Location of Development for Manganese Ore: Neerlabbi (NRLB)- Neerlabbi (NRLB)- N 1667773 To 1667834 E 660076 To 659730 Dabaxikolla (DBX)- N1673320 To 1673346 E656273 To 656118 Governor Point (GP)- N1673854 To 1674054 E 655950 To 655622,	Actual Location of Development for Manganese Ore: Neerlabbi (NRLB)- N 1667773 To 1667834 E 660076 To 659730 Dabaxikolla (DBX)- N1673320 To 1673346 E656273 To 656118 Governor Point (GP)- N1673854 To 1674054 E 655950 To 655622,	In the Approved MP dated 5.10.18 the locations are in Indo-Bangla Datum. On Geo-referencing the same to convert to WGS 84 Datum, and in UTM co-ordinates proposed locations and Actual are given. Production and development are within the proposed grids intervals for the reporting year. However, it is reported that lack of development is due to delay in getting tree enumeration and tree cutting permission from Forest Department.

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2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches proposed in topsoil, overburden, and mineral	Topsoil is present only as thin mantle for about 0.2 to 0.3 meters at Neerlabbi pit. Yes, Separate benches has been maintained in Overburden and Mineral	Separate benches in topsoil, OB and mineral are maintained.
2c	Stripping ratio or ore to OB ratio	1:20.98 (tonne: tonne)	1:9.55 (tonne: tonne)	The nature of occurrence of Mn ore is irregular and lack in development due to delay in getting tree cutting permission from forest department. Violation Letter issued.
2d	Quantity of topsoil generation in m3	480 m3	135 m3	Generated topsoil has been stacked for utilization in future.
2e	Quantity of overburden generation in m3	6,71,621 tonnes	3,00,897 tonnes	There has been lack of development as there was delay in getting tree enumeration and tree cutting permission from Forest Department.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mining is done by open cast mechanized method with deep-hole drilling and blasting in OB/SB/IB and shorthole drilling in Mineral Zone which is suitable for the type of Deposit. The Mining Lease is operated in 11 different pits by forming systematic benches of 4-7m Height and 5-25m width.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	Three pits were proposed for Manganese Ore Production.	Production and Development has been carried out in Three Pits viz Neerlabbi, Dabaxikolla and Governor Point.	Dimension of the pit; Neerlabbi (NRLB)- 620 m X 360 m X 165 m, Governor Point (GP)- 600 m X 380 m X 71 m, Dabaxikolla (DBX)- 460 m X 140 m X 49 m
3b	Quantity of ROM mineral production proposed	32,000 tonnes	31,500 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	40 %	78.4 % screened/sorted Manganese Ore is saleable.	During the RY-6209 tonnes of -10mm of Fines of Manganese below 25% Mn is which is stacked and not saleable at present.
3d	Quantity of mineral reject generation	44800 tonnes for Manganese ore and 60416 tonnes of Iron Ore	4077 tonnes of Manganese Ore and 28272 tonnes of Iron Ore has been produced and stacked as mineral reject	The deviation wr.t to proposed mineral reject in iron ore is reportedly due to delay in getting tree cutting permission from Forest Department that has impacted development of top benches in Iron ore in Neerlabbi Pit and for Manganese is due to better grade concentration in Mn pockets.
3e	Grade of mineral rejects generation and threshold value declared.	Below 25 % Mn for Manganese Ore and For Iron Ore +45-52 % Fe	Below 18 % Mn for Manganese Ore and For Iron Ore +45-52 % Fe	As there is no Environmental clearance for Iron Ore same has been stacked as mineral reject. In the current RUMP same has been incorporated as Ore with proposal for getting EC.
3f	Quantity of sub grade mineral generation.	No proposal	NIL	NIL
3g	Grade of sub grade mineral generation	No proposal	NIL	NIL

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3h	Manual / Mechanised method adopted for segregating from ROM	Manual Sorting from ore zone followed by Screening for Manganese Ore	Manual Sorting from ore zone followed by Screening for Manganese Ore	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	Dry screening for Manganese ore is done
3j	Provision of drilling and blasting in mineral benches	Provision of drilling & blasting made	Controlled Blasting is carried out in combination with Ammonium Nitrate, Slurry explosive and Nonel detonators. Secondary blasting using jack hammer drill carried out in Manganese.	100 mm dia, Spacing :4 Mtrs & Burden:3 Mtrs and height:8.25 Mtr
3k	Provision of mining machineries in mineral benches	Proposed mining machineries Excavator-2 No's, Wheel loaders 2 No's, Tipper-10 No's, Deep hole Drill-1 No's, Jack hammer-4 No's	Mining machineries used Excavator-1 No's, Wheel loaders 2 No's, Tipper-10 No's, Deep hole Drill-1 No's, Air Compressor-4 Screening Plant-1 No Jack hammer-2 No's	The reported machineries were found deployed during site inspection.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed Bench height & width -7.5 m	Actual Bench height - maximum 7.5 m Bench width - minimum 7.5-8 m	As per Proposal
3m	Total area covered under excavation/pits	43.17 ha in the plan period	43.17 ha	Workings/ excavation are within the proposed grid intervals.
3n	Ore to OB ratio for the pit/mine during the year.	1: 20.98 (Tonne: Tonne)	1:9.55 (Tonne: Tonne)	Violation issued.

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3o	Total area put in use under different heads at the end of year	Area put to use in plan period - Area under mining: 48.44 ha, OB dumps -43.86(-)5.08=38.78 ha, Mineral storage-2.14, Infrastructure -0.845 ha. Roads-4.68 ha. Green belt - 11.97ha Other for Future use 35.47ha Reclaimed and Rehabilitated- Dumps 32.92ha Biodiversity- 0.46ha	Area put to use in plan period - Area under mining: 43.17 ha, OB dumps -9.48 ha, Mineral storage-4.64, Infrastructure-1.05 ha. Roads-4.68 ha. Green belt -11.97ha Other for Future use 35.47ha Reclaimed and Rehabilitated- Dumps 32.92ha Biodiversity- 0.46ha	Cumulative area proposed under the Mining activity was 48.44 Ha considering the area at the beginning of the previous plan period as 45.64 Ha. There has been a discrepancy in this data due to survey errors, Actual broken up area for mining pits based on drone survey of 04/09/2022 is 41.75 Ha only as on 04/09/2022. The revised area as per drone survey has been considered in the MCDR report and also as per the Approved RUMP 2023-24 to 2027-28.
3p	Production of ROM mineral during the last five year period as applicable	Proposed Mn Ore-(in tonnes) 2017-18 7400 2018-19 32000 2019-20 32000 2021-22 32000 2022-23 32000	Achieved Mn Ore-(in tonnes). 2017-18 7224 2018-19 31761 2019-20 31638.30 2021-22 31500.00 2022-23 31500.00	

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3q	General remarks of inspecting officers on method of mining etc.	Mining is done by open cast mechanized method with deep-hole drilling and blasting in OB/SB/IB and short hole drilling in Mineral Zone and Manganese ore is sorted manually from ore zone followed by Screening. In the current approved RUMP, the proposal for Iron Ore production has been incorporated for obtaining EC from the concerned Authorities.
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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)	Over Burden Waste 6,71,621 tonnes	Over Burden Waste 3,00,897 tonnes	Yes, Separate dumping of OB by back filling and surface dump and separate stacking of mineral reject carried out.
4b	Location of topsoil, OB and mineral reject dumps	Proposed OB Locations: CD: N 1667308 To 1667486 E 660228 To 660067 DBX: N 1673111 To 1673266 E656492 To 656371 GP: N 1673900 To 1674051 E 655970 To 655790.	Proposed OB Locations: CD: N 1667344 To 1667440 E 660209 To 660089 DBX: N 1673111 To 1673266 E 656492 To 656371 GP: N 1673930 To 1674042 E 655955 To 655843.	Topsoil, OB & mineral reject dumps are within the proposed locations.
4c	Number of dumps within lease area and outside of lease area	Within lease area- 26 OB dumps Outside mining lease area- Nil	Within lease area- 26 OB dumps Outside mining lease area- Nil	Total Numbers of dumps with in lease area are 26

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4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	Dumps are located outside the UPL. Back Filling is in progress in the exhausted portion of the mine pits	All the dumps except backfilling are located beyond the UPL.
4e	Number of active and alive dumps.	2 Dumps	2 Dumps	2 Surface Dumps at Dabaxikolla pitare active.
4f	Number of dead dumps.	24 dumps	24 dumps	24 dumps covering 32.92 ha are dead dumps which are reclaimed by plantation by coir mat and plantation.
4g	Number of dumps established.	24 dumps	24 dumps	Stabilized by plantation by coir mat and plantation.
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes, retaining wall and garland drain along the toe of dumps has been constructed	Constructed Retaining wall, garland drain along toe of dump maintained	2499 meters of retaining wall, 3546 meters of garland rain has been constructed
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall in m 20 garland drain in m 70	Retaining wall of 11 meters below toe of back filled area at Governor Point and drain with stone pitching for length of 50 meters made during RY	Violation issued for constructing only 11m RW out of proposed 20m.
4j	Number of settling ponds	No Fresh construction proposed during the reporting year	De-silting of Settling tank carried out	7 no's of silt settling tanks have been constructed earlier and maintained.
4k	Specific comments of inspecting officer on waste dump management			Waste dumps management is satisfactorily done. However, lacking in proposed construction 20m length Retaining Wall. Violation Letter issued.

Solid Waste Management - Backfilling:

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Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Back filling & Surface dumping in retreating method	Back filling covering 1.14 hectares carried out during the reporting year and 0.571 hectares of surface dumping.	Back filling over fully mined out area has started before the plan period and being continued.
5b	Area under backfilling of mined out area	3.33 ha	1.14ha	6.552 ha so far
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Yes, Stacking and Utilization proposed	Generated top soil of 135 m3 has been stacked	Top soil will be utilized for plantation in the plan period
5d	Total area fully reclaimed and rehabilitated	Back Filling 3.3 hectares proposed during the year	Back filling during the RY is 1.14 hectares.	Due to lack of development in view of delay in getting tree enumeration and tree cutting permission from Forest Department.
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Back Filling over 3.3 hectares proposed during the year. However Back filling is carried out only over 1.14 hectares due to lack of development in view of delay in getting tree enumeration and tree cutting permission from Forest Department.

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 by 1st July of every year	Annual report on PMCP submitted on 28 June 2023	Submitted within due date
6b	Area available for rehabilitation (ha) .	No Proposal	NIL	

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6c	afforestation done (ha).	2-3 hectares	1.6 hectares	Violation issued for lack in covering the extent of plantation.
6d	No. of saplings planted during the year	5000 numbers	Gap Plantation in Green Belt- 3442 No's On Dumps-4900 No's Avenue plantation -190 No's	Violation issued for not achieving the proposed extent of afforestation.
6e	Cumulative no .of plants		321281 No's	Cumulative at end of 31 March 2023 which includes afforested are on dumps, green belt, back filled area, avenue plantation
6f	Any other method of rehabilitation	Proposed as per approved R & R plan	Coir matting and gap plantation on dead dumps	
6g	Cost incurred on watch and care during the year	Rs 3,75,000	Rs 6,73,500	Cost includes raising cost/pitting/planting/post afforestation care
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Backfilling proposed in Neerlabbi & Governor point pits after covering 3.3 hectares	Backfilling carried out in Neerlabbi and Governor point pits covering 1.14 ha	Violation issued
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Proposed Backfilling (L X B X D) NRLB- 250X100.75X40, DBX- 232X125X17	Actual Backfilling 160X35X12 m at Central deposit of Neerlabbi Section At Governor Point 104X48X11.4	Violation issued
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	Backfilling 3.33 ha Rehabilitation : Nil	Backfilling 1.14 ha	Deviation due to lesser quantum of waste generation during the reporting year

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6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No Proposal for Reporting Year	NIL	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No Proposal for Reporting Year	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No Proposal for Reporting Year	Avenue Plantation (Gap Plantation) with 190 saplings carried out during the reporting year	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No Proposal for Reporting Year	NIL	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No Proposal for Reporting Year	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring proposed in Core and Buffer Zone	Environmental monitoring has been carried out for all the 4 seasons for Ambient air quality (core zone- 4 locations & buffer zone- 6 locations), water quality (surface water - 5 locations & Ground water- 5 locations), Noise quality (core zone - 6 location & buffer zone - 6 locations)	All the environmental parameters were observed to be within the permissible limit
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PMCP proposals are satisfactorily carried out. However, there is lack in achieving the extent of backfilling and Plantation in the reporting Year. Violation issued.

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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 proposed within Lease area for Mn ore	Grade wise sorting done manually within Lease area for Mn ore	As per Proposal
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual sorting for Mn Ore proposed	Manual sorting done	As per Proposal
7c	Different grade of mineral sorted out at mines.	Below 25% Mn 25 to below 35 % Mn 35 to 46 % Mn 46 % Mn and above	Below 25% Mn 25 to below 35 % Mn 35 to 46 % Mn 46 % Mn and above	Grade wise sorting done manually
7d	Any beneficiation process at mines	No proposal	Not Applicable	Dry screening and manual separation of Mn ore from ROM
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Manganese ore is manually sorted from ore zone followed by screening. Iron ore produced is stacked as Mineral Reject as there is no environment clearance for this Mineral thereby taking care of mineral conservation aspect.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	480 m3 of topsoil generation proposed during the year	135 M3 of generated top soil stacked	Stacked to be used for afforestation in future.
8b	Concurrent use or storage of topsoil	Yes	135 M3 of generated top soil stacked during the year	Stacked to be used for afforestation in future.

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8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps for overburden and Mineral rejects proposed	Separate dumps for overburden and Mineral rejects maintained	Waste and Mineral rejects are stacked separately
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	OB and waste proposed for backfilling	Concurrent Backfilling is in progress in Neerlabbi, Dabaxikolla	As per Proposal
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposed during Final Mine Closure plan	32.92 hectares of surface dumps fully reclaimed and rehabilitated, 6.552 hectares of mine pits reclaimed by back filling	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Dry Deciduous Forest with shrubs/scrubs and open jungle type	Within ML area 8532 No's of saplings planted @ 85% survival	Cumulatively 321281No's of saplings are done till 31st March 2023.
8g	Survival rate	80%	85%	Appears to be correct.
8h	Water sprinkling on roads to control airborne dust	Water sprinkling proposed on haul roads to control airborne dust	Water sprinkling is done regularly on haul roads and mine faces to suppress the dust	2 No's of water tankers each of 8000 Ltrs and 1 No of 12000 Ltrs capacity is deployed for the purpose.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around the mining area is good due to afforestation work carried out by the lessee and surrounding existing natural forest.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto May-2023 A.R. submitted upto FY 2022-23		Annual return submitted on 28 June 2023
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager Mining- Shri. Bharth Kumar R S Mining Engineer- Shri.Karthika R K Geologist- Shri. Jalli Subramanyam	Manager Mining- ShriBharth Kumar R S Mining Engineer- Shri.Karthika R K Geologist- Shri. Jalli Subramanyam	The reported officials were present during the Mine Inspection.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area put to use in plan period - Area under mining: 43.17 ha, OB dumps -9.48 ha, Mineral storage-4.64, Infrastructure -1.05 ha. Roads-4.68 ha. Green belt - 11.97ha Other for Future use 35.47ha Reclaimed and Rehabilitated- Dumps 32.92ha Biodiversity- 0.46ha	Area put to use in plan period - Area under mining: 43.17 ha, OB dumps -9.48 ha, Mineral storage-4.64, Infrastructure-1.05 ha. Roads-4.68 ha. Green belt -11.97ha Other for Future use 35.47ha Reclaimed and Rehabilitated- Dumps 32.92ha Biodiversity- 0.46ha	
9d	Scrutiny of Annual return on afforestation	Within mining lease area- 8532 @ 85% survival	Within mining lease area-8532 @ 85% survival	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Mn Ore Mineral Reject 4077 tonnes Iron Ore Mineral Reject 28272 tonnes	Mn Ore Mineral Reject 4077 tonnes Iron Ore Mineral Reject 28272 tonnes	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM; Opening stock-6286.45 Tonnes, Production- 31500 Tonnes, Closing stock- 6017.7.00	ROM; Opening stock- 6286.45 Tonnes, Production-31500 Tonnes, Closing stock-6017.7.00	NIL

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9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-Mine Price Below 25% Mn- ? 2230 25 to Below 35% Mn-? 8280 35 to Below 46 % Mn-? 12396 Cost of Production/tonne Rs 6248.40	Ex-Mine Price Below 25% Mn- ? 2230 25 to Below 35% Mn-? 8280 35 to Below 46 % Mn-? 12396 Cost of Production/tonne Rs 6248.40	NIL
9h	Scrutiny of Annual return on fixed assets	Rs 2657251	Rs 2657251	NIL
9k	Scrutiny of Annual return on mining machineries	Back Hoe 1 No's, Wheel Loader-2 No's, Tipper- 10 No's, Water tanker-3 No's Explosive van- 1 No's Air Compressor-4 No's other Hem Machinery -1 No's Generator Diesel- 5 No's Others (Non-Elec) -3 No's	Back Hoe 1 No's, Wheel Loader-2 No's, Tipper- 10 No's, Water tanker-3 No's Explosive van-1 No's Air Compressor-4 No's other Hem Machinery -1 No's Generator Diesel- 5 No's Others (Non-Elec) - 3 No's	The reported machineries were found deployed in the mine on the day of inspection.

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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
MCDR17	Rule 11(1)	08/08/2023			

Date :**(DR.SURESH PRASAD)**

Indian Bureau of Mines