INDIAN BUREAU OF MINES MINERALS DEVELOPMENT AND REGULATION DIVISION

Check up inspection REPORT

Bangalore regional office

	Mine :	file No : KNT/BLR/FE-2	01,	BNG	м	line d	ode :	30KAR	03180)
	(i)	Name of the Inspecting Officer and ID No.	:	J103) V. JAYAKRISHN	A BABU					
	(ii)	Designation	:	Controller of Mines						
	(iii)	Accompaning mine Official with Designation	:	Shri. Shridhar Hegde A	gent, S	Shri.	3hishr	madeb S	Sahoo	Gen
	(iv)	Date of Inspection	:	09/05/2022						
	(v)	Prev.inspection date	:	15/10/2020						
		PAF	۲۲-	I : GENERAL INFORMATI	ION					
1.	(a)	Mine Name	:	SMIORE ML-2678(OLD2580)					
	(b)	Registration NO.	:	IBM/35/2011						
	(C)	Category	:	A Fully Mechanised						
	(d) (e)	Type of Working Postal address	:	Opencast						
		State	:	KARNATAKA						
		District	:	BELLARY						
		Village	:	DEOGIRI,SB HALLI,RAM						
		Taluka	:	SANDUR						
		Post office	:							
		Pin Code FAX No.	:	(080) 23613169,083952	60172					
		E-mail	:	eps@sandurgroup.com	00473					
		Phone	:	(080) 23613166,083952	60301					
	(f)	Police Station	:	Sandur						
	(g)	First opening date	:	01/01/1954						
	(h)	Weekly day of rest	:	SUN						
2.		ess for espondance	:	M/s THE SANDUR MANGANE NO.9, BELLARY ROAD, SA BANGALORE - 560080				ΓD		
3.	(a)	Lease Number	:	KAR1516						
	(b)	Lease area		1860.1						
	(C)	Period of lease	:	20						
	(d)	Date of Expiry	:	31/12/2033						
4.	Miner	ral worked	:	MANGANESE ORE IRON ORE	Associ Main	ated				

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 :	SRI Md ABDULSALEEM (DIRECTOR MINES) DEOGIRI SANDUR TQ BALLARI BELLARY KARNATAKA Phone: 08395-271025/28 FAX : 08395-271066
	Agent :	SHRIDHAR P HEGDE DEOGIRI SANDUR BELLARY BELLARY KARNATAKA Phone: 08395-271025/28/29/40, 9448497925 FAX : 08395-271066
	Mining Engineer	
	Name :	SUNIL KUMAR GS,Full Time
	Qualification :	B.E.MINING
	Appointment/ : Termination date	06/09/2015
	Geologist	
	Name :	Rajesh M Katral,Full Time
	Qualification :	M.Sc (Geology),
	Appointment/ : Termination date	19/06/2005
	Manager	
	Name :	Prakash Babu
	Qualification :	FCC
	Appointment/ : Termination date	01/07/2021
6.	Date of approval of Mini Plan/Scheme of Mining	ng : Mining Scheme rule 12 MCDR1988 Mining Scheme rule 12 MCDR1988

6.	Date of approval of Mining Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988 Mining Scheme rule 12 MCDR1988 Renewal under rule 22 MCR1960 MP modif under MCR 1960 MP review under 17(1) MCR 2016 MP review under 17(1) MCR 2016 Modif.approved Mining Scheme MP modif under 17(3) MCR 2016	22/10/2002 15/01/2013 05/12/2013 01/09/2015 19/08/2016 07/12/2017 05/10/2018 02/09/2021 12/04/2022
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PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
la	Backlog of previous year	No Proposal	No Backlog	
1b	Exploration over lease area for geological axis 1 or 2	50 DTH Holes amounting to total of 1385 mts proposed at G1 level.	54 DTH Holes drilled a 50 Mtrs grid interval amounting to total of 2064 mts.	t Mineralised zone has been covered under G1 and G2 Level of exploration.
lc	Exploration Agencies and Expenditure in lakh rupees during the year	Departmental & External 10.00 lakhs	SMIORE 16.00 lakhs	Drill rigs from SMIORE sister concern M/s LIPL was carried out.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposal during the modified plan period.	Hence actual work not carried out.	Area under G3 covering 512 Ha to be explored to G2/G1 category and another 397 Ha which is under G4 is not accessible as covered under steep valleys, cliffs, gorges and thick/dense vegetation with wild life habitats and exploration cannot be pursued there.

1e	Balance reserve as on 01/04/20	<pre>Iron Ore (+45 % Fe) Proved: 7,87,44,030 Probable: 13,12,243 Hematitic Siliceous Ore (+35-45 % Fe) Proved: 1,12,47,644 Manganese (+10%Mn) Proved: 1,50,33,422 Probable: 73,133</pre>	<pre>Iron Ore (+45 % Fe) Proved: 7,87,44,030 Probable: 13,12,243 Hematitic Siliceous Ore (+35-45 % Fe) Proved: 1,12,47,644 Manganese (+10%Mn) Proved: 1,50,33,422 Probable: 73,133</pre>
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1f General remarks of inspecting officers on geology, exploration etc The reason for not covering the entire ML under exploration due to non acceessibility of area. Thus 397 Ha of ML area remains unexplored.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
Sl.No. 2a	Item Location of development w.r.t.lease area	Development proposal locations for Manganese ore: JLK: N 1658652 TO 1658424, E 673420 TO 676364 JLK N 1658400 TO 1658667, E 673600 TO 673640 YRD: N 1658652 TO 1658424, E 673420 TO 676364 YRD: N 1658400 TO 1658667, E 673600 TO 673640 RMK: N 1658652 TO 1658424, E 673420 TO 676364 RMK: N 1658652 TO 1658667, E 673600 TO 676364 RMK: N 1658400 TO 1658667, E 673600 TO 673640 CBG: N 1657800 TO 1658030, E 671550 TO 671930 SK: N 1657800 TO 1658030, E	Development Actual locations for Manganese ore: JLK: N 1658652 TO 1658424, E 673420 TO 676364 JLK N 1658400 TO 1658667, E 673600 TO 673640 YRD: N 1658652 TO 1658424, E 673420 TO 676364 YRD: N 1658400 TO 1658667, E 673600 TO 673640 RMK: N 1658652 TO 1658424, E 673420 TO 676364 RMK: N 1658400 TO 1658667, E 673600 TO 673640 CBG: N 1657800 TO 1658030, E 671550 TO 671930 SK: N 1657800 TO 1658030, E 671550 TO 671930 KMK(E): N 1659011 TO 1659127, E 668250 TO	Remarks
		TO 1658030, E 671550 TO 671930 KMK(E): N 1659011 TO		
		1659127, E 668250 TO 668652 KMK: N 1659011 TO 1659127, E 668		

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches proposed in topsoil, overburden and mineral Proposed.	Separate benches in topsoil, overburden and mineral maintained.	
2c	Stripping ratio or ore to OB ratio		Mn Ore: 25.59 Fe Ore: 0.79	Deviation in strip ratio of Mn is due to pockety and irregular Mn mineralization.
2d	Quantity of topsoil generation in m3	22,172 m3	25,403 m3	Out of generated topsoil generated 23,903 m3 has been used and 1,500 m3 Has been stocked which will be used during 2022-23 for afforestation.
2e	Quantity of overburden generation in m3	In Mn Pits: 28,58,256 m3 In Iron ore: 9,39,408 m3	Mn Pit: 30,37,893 m3 Fe pit: 6,13,583 m3	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The measures taken for systamatic development and mineral conservation are satisfactory.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Manganese ore:11 pits, Iron ore: 03 pits	5	
3b	Quantity of ROM mineral production proposed	Mn Ore: 2,54,000 MT Fe Ore: 16,00,000 MT	Mn Ore: 2,53,978.170MT Fe Ore: 15,65,668.00 MT	
3c	Recovery of sailable/usable mineral from ROM production	Mn Ore: 40% from RoM	Mn Ore: 40% from RoM	
3d	Quantity of mineral reject generation		Mn Ore: Nil Fe Ore: Nil	

3e	Grade of mineral rejects generation and threshold value declared.	10 to 20% Mn Grade wise mineral reject	10 to 20% Mn Grade wise mineral reject	
3f	Quantity of sub grade mineral generation.	No proposal	NIL	
3g	Grade of sub grade mineral generation	No proposal	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual method proposed for segregating of Mn Ore from Manganese ROM and Mechanized method proposed for Iron ROM	Manual method adopted for segregating of Mn Ore from Manganese ROM and Mechanized method proposed for Iron ROM	No Change
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal during the RY	Laboratory Bench Scale Beneficiation studies on upgradation of low-grade Iron ores carried out by M/s Delkor TAKRAF during October -2021	The test results are encourging & needs to be implemented.
3j	Provision of drilling and blasting in mineral benches	Provision of drilling & blasting made.	Drilling & Blasting is carried out in combination with Ammonium Nitrate, Slurry explosive and Nonel detonators.	100 mm dia, Spacing :4 Mtrs & Burden:3 Mtrs and height:8.25 Mtrs.
3k	Provision of mining machineries in mineral benches	Proposed mining machineries Excavator-60 No's, Wheel loaders:54 No's, Trucks-377 No's, Deep hole Drill-32 No's, Jack hammer-18 No's Water Tanker- 44 No's	Mining machineries used Excavator-45 No's, Wheel loaders-31 No's, Trucks-232 No's, Water Tanker-24 No's Explosive Van-4 No's Air Compressor-11 No's Pumps (Elec.)-28 No's Others (Non-Elec.) -2 No's Screening Plant- 6 No's Crushing Plant- 3 No's	Deviation was as Proposed Machinery was for considering maximum handling during 3.85 MMTPA of Iron Ore Production

31	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	height & Bench width -	Actual Bench height - maximum 7.5 m Bench width - minimum 7.5 - 8 m	No deviation.
3m	Total area covered under excavation/pits	470.45 ha during the plan period	463.31 ha	
3n	Ore to OB ratio for the pit/mine during the year.		Actual Mn Ore: 25.59 & Fe Ore: 1: 0.79	Ore to OB ratio is higherside.
30	Total area put in use under different heads at the end of year	ha Dumps-442.52 ha	Area put to use in plan period Mining- 463.31 ha Dumps-415.60 ha Stocks- 103.83 ha Top soil storage- 3.00 ha Roads- 29.66 ha Infrastructure-23.10 ha Township- 25.52 ha Others- 796.08 ha	

3p Production of Mn Ore-Mn Ore-ROM mineral (in tonnes) (in tonnes) during the last 2017-18 2017-18 2,53,023.50 five year period 2,54,000 2018-19 2,53,362.24 Production as applicable 2018-19 2019-20 2,53,053.06 proposed and 2,54,000 2020-21 2,53,053.00 acheived are 2019-20 2021-22 2,53,978.00 within MPAP fixed 2,54,000 Iron Oreby State Govt 2020-21 (in tonnes) 2017-18 15,81,000.00 2,54,000 2021-22 2018-19 15,90,002.00 2,54,000 2019-20 15,95,000.02 Iron Ore-2020-21 15,95,000.00 (in tonnes) 2021-22 15,65,668.00 2017-18 16,00,000 2018-19 16,00,000 2019-20 16,00,000 2020-21 16,00,000 2021-22 16,00,000 3q General remarks Satisfactory. of inspecting officers on method of mining etc.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a		are proposed	s Separate dumps are maintained for top soil, OB and mineral reject	Top soil, OB and mineral reject are stacked separately.

4b	Location of topsoil, OB and mineral reject dumps	Locations for Manganese Pits: JLK: N 1659360 TO 1659660 E 675480 TO 675870 YRD: N 1658779 TO 1659094 E 674474 TO 674976 N 1659360 TO 1659660 E 675549 TO 675981, RMK: N 1657895 TO 1658240 E 673029 TO 673406, CBG: N 1657290 TO 1657680 E 671200 TO 671800, N 1657550 TO 1657800 E 670570 TO 670800,	JLK: N 1659360 TO 1659660 E 675480 TO 675870 YRD: N 1658779 TO 1659094 E 674474 TO 674976 N 1659360 TO 1659660 E 675549 TO 675981, RMK: N 1657895 TO 1658240 E 673029 TO 673406, CBG: N 1657290 TO 1657680 E 671200 TO 671800, N 1657550 TO 1657800 E 670570 TO 670800, N 1657900 TO 1655260 E 670600 TO 671000 SK: SK: 1657550 TO 1657800 E 670570 TO 670800, KMK (E) N 1657550 TO 1657800 E 670570 TO 670800,
4c	Number of dumps within lease area and outside of lease area	NK: 1658376 TO Within lease area-88 OB	Within lease area-88 OB dumps Outside mining lease area-Nil
		TCAPE ALCA-MIT	

4d Location of Waste Dumping in Minerals from the Waste Dumping Manganese pits: pits are exhausted dumps w.r.t. in Manganese ultimate pit JLK, YRD, RMK, CBG, SK, and back filled. pits: limit (Rule 16) JLK, YRD, RMK, KMK(E), KMK, NK, KPTS CBG, SK, KMK(E), KMK, Iron pits: NK, KPTS KTIO (A & B), KVHIO & Back filling in JLK, KMK Iron pits: and KTIO-A pit. KTIO (A & B), KVHIO, KH, AMK, RNP, KVH(BG), JLK. Back filling in JLK, KMK and KTIO-A pit. 4e Number of active 13 dumps 13 dumps Total 13 dumps and alive dumps. were active during the year 2021-22 in working pits. Considering even the non-working pits number of active and inactive dumps are 28. 4f Cumulative 60 Number of dead No proposal NIL dumps. dumps are during the stabilized . year Number of dumps Cumulative 60 4q No proposal NIL established. during the dumps are year stabilized by coir matting and plantation. 4h Retaining wall 1102.5 meters of Retaining wall and Whether Retaining wall and garland retaining wall has been garland drain or garland drain drain proposed taken up and 1300 meters constructed and all along dumps all along the of earthen drain has maintained all are there. dumps. been made. along the dumps. 4i Length of Proposed Actual during the year Earthen drainage Retaining wall made as part of during the garland drain or garland drain year Retaining Wall -1102.5 all along dumps development . mtrs Retaining Wall Garland Drain -1300 mtrs - 1470 mtrs Garland Drain - 1745 mtrs 4j Number of 50 No's of 1 NIL settling ponds settling ponds constructed in the

constructed in the previous years.

The measures taken comments of for waste inspecting management are officer on waste Satisfactory. dump management

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.		Mineral extracted fully before starting back filling.	Permission for backfilling obtained from IBM/DMG.
5b	Area under backfilling of mined out area	7.98 ha	6.15 ha	Backfilling in progress at JLK pit & KTIO-A, KMK pits. Qty backfilled during 2021-22 is 207536 m3
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal for concurrent use of topsoil during back filling	Not Applicable	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	Backfilling under Progress in 3 Pits.
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Satisfactory.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
ба	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 30.06.2021	AR submitted.

4k Specific

6Ъ	Area available for rehabilitation (ha) .	7.98 ha available	6.15 ha backfilled	Mined out area taken up for back filling during the year 2021-22. As there is no afforestation carried out in backfilled area there is no cost incurred towards watch and aftercare during RY 2021-22.
6c	afforestation done (ha).	No Proposal	NIL	Mined out area taken up for back filling during the year 2021-22. As there is no afforestation carried out in backfilled area there is no cost incurred towards watch and aftercare during RY 2021-22.
6d	No. of saplings planted during the year	No Proposal	NIL	Mined out area taken up for back filling during the year 2021-22. As there is no afforestation carried out in backfilled area there is no cost incurred towards watch and aftercare during RY 2021-22.
бе	Cumulative no .of plants	No Proposal during RY	No Proposal during RY	Mined out area taken up for back filling during the year 2021-22. As there is no afforestation carried out in backfilled area there is no cost incurred towards watch and aftercare during RY 2021-22.

бf Any other method Proposed as Coir matting and gap Mined out area per approved R plantation on dead dumps taken up for back of rehabilitation & R plan filling during the year 2021-22. As there is no afforestation carried out in backfilled area there is no cost incurred towards watch and aftercare during RY 2021-22. Cost incurred on No Proposal Mined out area 6g NIL taken up for back watch and care during the year filling during the year 2021-22. As there is no afforestation carried out in backfilled area there is no cost incurred towards watch and aftercare during RY 2021-22. 6h Compliance on reclamation and No Proposal No Proposal during RY rehabilitation during RY by backfilling (i) Voids available for backfilling (Lx ВхD бi Compliance on reclamation and No Proposal No Proposal during RY rehabilitation during RY by backfilling (ii) Voids filled by waste / tailings бj Compliance on reclamation and No Proposal No Proposal during RY rehabilitation during RY by backfilling (iii)Afforestati on on backfilled area Not carried out as there 6k Compliance on reclamation and were no Proposal No Proposal rehabilitation during RY by backfilling (iv) Rehabilitation by making water reservoir

61 Compliance on Not carried out as there No Proposal reclamation and during the RY were no Proposal rehabilitation by backfilling (v)any other specific means. Compliance of 1,00,000 1,00,850 During the year бm rehabilitation 2021-22 of waste land within lease Green Belt- 37,057 (i)afforestation No's On Dumps-14,729 No's Avenue Plantation-5,182 No's Barren Area-41,882 No's Azadi ka Amruta Mahotsav- 2,000 No's бn Compliance of 23.00 ha 22.69 ha rehabilitation of waste land within lease (ii)Area rehabilitation (ha) 60 Compliance of Plantation Plantation Rs 33.55 lakhs has rehabilitation been spent towards plantation during of waste land within lease RY 2021-22 (iii)Method of rehabilitation бp Compliance of Environmental Environmental monitoring All the has been carried out environmental monitoring environmental monitoring (core proposed in through MoEF & CC and parameters were zone and buffer Core and NABET approved Lab observed to be zone) Buffer Zone Mineral Engineering within the for AAQM, Services for all the 4 permissible limit Fugitive seasons for Ambient air quality (core zone- 4 emissions, Surface water, locations & buffer zone-Ground water, 6 locations), water Noise from quality (surface water -MoEF & CC 5 locations & Ground water- 5 locations), recognized laboratory and Noise quality (core zone - 6 location & buffer NABET zone - 6 locations) approved. 6q General remarks Satisfactory. of inspecting officers on PMCP compliance and progressive closure operations etc.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting proposed with in Lease area.	Grade wise sorting done manually with in Lease area for Mn ore and Grade wise sorting done mechanically with in Lease area for Iron ore.	All grades of Mn ore is being recovered.
7b	Method of grade- wise mineral sorting i.e. manual or mechanical.	Manual for Mn Ore and Mechanical for Iron ore.	Manual for Mn Ore and Mechanical for Iron ore is done	Screening & sizing is done manually for Mn ore & by deploying mobile crusher for Iron ore.
7c	Different grade of mineral sorted out at mines.	< 25 % Mn, +25% - 35 % Mn, + 35-45 % Mn. Iron Ore: +55- 58, +58-60, +60-62, +62 % Fe	< 25 % Mn, + 25% - 35 % Mn, +35% - 45 % Mn. Iron ore: +55-58, +58- 60, +60-62, +62 % Fe	Sorting done for Manganese Manually
7d	Any beneficiation process at mines	No proposal	No such beneficiation process carried out in the mines	Crushing, dry screening and manual separation of Mn ore from ROM
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			The measures taken for mineral conservation are Satisfactory.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	22,172 m3	25,403 m3	
8b	Concurrent use or storage of topsoil	Storage/Use	Stored/used during RY	Out of generated topsoil 23903 m3 has been used and 1500 m3 has been stocked which will be used during 2022-23 for afforestation.

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)		Separate dumps for overburden 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	Backfilling of mined out area covering 6.15 ha carried out during RY	Qty backfilled during the year 2021-22 is 2,07,536 m3 in mined out pits
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposal for Backfilling of mined out pits covering 7.98 ha	About 6.15 ha of minedout pits covered by backfilling.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Baseline information on existence of plantation available Cumulatively at beginning of the year 32,87,228 saplings planted within lease.	Within ML area 100850. No's of saplings planted @ 80% survival	3388078 No's of saplings are done till 31.03.2022
8g	Survival rate	65%	80%	
8h	Water sprinkling on roads to control airborne dust	sprinkling	Water sprinkling is done regularly on haul roads and mine faces to suppress the dust	27 No's water tankers of different capacity is deployed
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The measures taken for protection of environment in the ML area & in surroundings are Satisfactory.

Compliance of Rule 45:

SI.No. Item Propasals Actual work Remarks

9a Status of submission of Monthly and Annual returns M.R. Submitted Annual return submitted up to April-22 on 29.06.2021 A.R. submitted upto FY 2020-21

9b Scrutiny of Manager Mining-Manager Annual return Mining-Shri.Bachalappa.K, for information Shri.Bachalapp Mining Engineeron Mining a.K, Shri.Sunil Kumar Engineer, Mining GS, Geologist and Engineer-Geologist- Shri. Rajesh Shri.Sunil Manager M Katral Kumar GS, Geologist-Shri. Rajesh M Katral 9c Scrutiny of Area under Area under mining: Annual return on mining: 460.45 460.45 ha,

land use pattern ha, Reclaimed/Rehabilitatedfor area under Reclaimed/Reha 110 ha, pits, reclaimed bilitated-110 Waste disposal-305.60 area, dumps etc. ha, ha, Waste Occupied by plant, disposalbuildings, residential, 305.60 ha, welfare buildings and roads-77.28 ha, Occupied by Afforestation-82.84, plant, Other Purpose-5.50 ha, buildings, Work Done Under residential, welfare Progressive mine closure buildings and plan during the yearroads-77.28 0.027 ha. ha, Afforestation-82.84, Other Purpose-5.50 ha, Work Done Under Progressive mine closure plan during the year-0.0270 ha. 9d Scrutiny of 50,025 No's 50,025 No's saplings are Annual return on saplings are done afforestation done 9e Scrutiny of Mn Ore: Mn Ore: 1,14,718 (10-20% Annual return on 1,14,718 (10- Mn) Tonnes

Fe Ore:

6,52,032 (35-55% Fe) Tonnes

mineral reject generation

(Grade and

quantity)

20% Mn) Tonnes Fe Ore: 6,52,032 (35-55%

Fe) Tonnes

Annual return for the Year 2021-22 is yet to be submitted. Information given in sl. No 9b to 9k are based on AR submitted for the year 2020-21. 9f Manganese ore: Manganese ore: Scrutiny of Annual return on ROM; ROM; ROM stock and/or Opening stock- Opening stock-29726.83 graded ore 29726.83 Tones, Tones, Production-253053.06 Production-Tones, 253053.06 Closing stock-29563.61 Tones, Tones. Closing stock-29563.61 Iron ore: Tones. ROM; Opening stock-12119 Iron ore: Tonnes, ROM; Production-1595000.02 Opening stock- Tonnes, 12119 Tonnes, Closing stock-11018.12 Production-Tones 1595000.02 Tones, Closing stock-11018.12 Tones 9q Scrutiny of Manganese: Manganese: The cost of Annual return on Cost of Cost of Production- Rs production for Mn sale value, Ex. Production- Rs 5030 per Tons, is high due to Mine price and 5030 per Tons, Sale value-8037.49 Rs/T manual sorting & and Ex. Mine priceproduction cost Sale valueother 8037.49 Rs/T 12773.5 Rs/T. establishment and Ex. Mine charges. price- 12773.5 Iron ore: Rs/T. Cost of Production- Rs 396 per Tons, Iron ore: Sale value-2576.84 Rs/T Cost of and Ex. Mine price-Production- Rs 2150.95 Rs/T. 396 per Tons, Sale value-2576.84 Rs/T and Ex. Mine price-3442.80Rs/T. 9h Scrutiny of 11.66 crores 11.66 crores Annual return on fixed assets

9k	Scrutiny of		Excavator-45
	Annual return o	on	No's,
	mining		Wheel loaders-
	machineries		31 No's,
			Trucks-206
			No's,
			Water Tanker-
			27 No's
			Explosive Van-
			4 No's
			Air
			Compressor-17
			No's
			Pumps (Elec.)-
			28 No's
			Others (Non-
			Elec.) -2 No's
			Crusher-9 No's

Excavator-45 No's, Wheel loaders-31 No's, Trucks-206 No's, Water Tanker-27 No's Explosive Van-4 No's Air Compressor-17 No's Pumps (Elec.)-28 No's Others (Non-Elec.) -2 No's Crusher-9 No's

Details of violations observed during current inspection and compliance position of violation pointed out					
Viola	tion observed	Show c	ouse position		
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on		

Date :

(V. JAYAKRISHNA BABU)

Indian Bureau of Mines