

**MCDR INSPECTION REPORT (2023-24)**

File No: - MCDR-MiFLOMn/1/2022-BNG-IBM\_RO\_BNG

**General**

SL. No	Particulars	Details
1	Name of the Mine	Ramghad Manganese & Iron Ore Mine, ML No 2679
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest : 139.20 ha Non-Forest : 0 ha Total : 139.20 ha
3	Mine code	40KAR03014
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/35/2011
5	Name of the lessee, Address, phone, email and fax number	The Sandur Manganese & Iron Ores Limited Satyalaya, Door No 266 (Old No 80), Behind Taluka Office, Palace Road, Ward No 1, Sandur-583119, Ballari District, Karnataka. Ph No-08395- 260301, <a href="mailto:Email-eps@sandurgroup.com">Email-eps@sandurgroup.com</a> , Fax-08395-260473
6	Village	Ramgad & Subbarayanahalli
7	Taluka/Mandal	Sandur
8	District	Ballari
9	Pin-code	583119
10	State	Karnataka
11	Post office	Sandur
12	Nearest police station	Sandur
13	Nearest Railway station	Toranagallu
14	Date of Grant of Mining Lease	01.01.1954
15	Date of Execution	30.03.1956
16	Date of opening of Mine	30.03.1956
17	Date of first Renewal, if applicable and its period & expiry	1.1.1974 – 31.12.1993 for a period of 20 Years
18	Date of second Renewal, if applicable and its period & expiry	1.1.1994 – 31.12.2013, for a period of 20 years
	Date of third Renewal, if applicable and its period & expiry	1.1.2014 – 31.12.2033, for a period of 20 years
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not applicable
20	Name of the Nominated Owner with Address, phone, email, fax number and date of	Shri. Md. Abdul Saleem (Whole time Director & Company Secretary) Address: Deogiri – 583112, Sandur Taluka,

	appointment	Ballari District Karnataka. Tel:08395-271025/28/29/40, Mobile: 9448497927, Email: <a href="mailto:saleem@sandurgroup.com">saleem@sandurgroup.com</a> , Fax: 08395-271066, Date of appointment: 06-09-2015. Date of appointment as Nominated Owner: 01-07-2020
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri. Krishna Reddy, Agent Address: Deogiri - 583112, Sandur Taluka, Ballari District Karnataka. Tel:08395-271025/28/29/40, Mobile: 9448497925, Email: <a href="mailto:krishna.reddy@sandurgroup.com">krishna.reddy@sandurgroup.com</a> , Fax: 08395-271066, Date of appointment: 6 <sup>th</sup> September 2024.
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri. Bharath Kumar R.S. 1 <sup>st</sup> Class Mines Manager, Address: Ramghad - 583119, Sandur Taluka, Ballari District, Karnataka, India. Mobile:9448497936 Email: <a href="mailto:bharathmlpkumar@gmail.com">bharathmlpkumar@gmail.com</a> Fax: 08395-271066 Date of appointment :04.09.2019 Experience:30 years
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Karthik. R. K. B.E (Mining), Address: Ramghad - 583119, Sandur Taluka, Ballari District Karnataka, India. Mobile:9480815509 Email: <a href="mailto:krknmt@gmail.com">krknmt@gmail.com</a> Fax: 08395-271066 Date of appointment :15.10.2014 Experience: 8 years
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Shri Jalli Subramanyam M.Sc (Geology), Address: Ramghad - 583119, Sandur Taluka, Ballari District Karnataka, India. Mobile:9481901681 Email: <a href="mailto:manyamj71@gmail.com">manyamj71@gmail.com</a> Fax: 08395-271066 Date of appointment: 01.12.2010 Experience: 16 years
25	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and	Review and updation of Mining plan was approved by IBM vide letter no. 279/1097/2018/BNG dtd 03/03/2023 for the

	specific condition in approval letter, if any.	period 2023-24 to 2027 28
26	Mineral(s) granted in lease and proved for mining	Manganese and Iron ore
27	Method of Mining (Opencast, Underground)	Open cast
28	Category (Fully Mechanized, Others or Manual)	Fully-Mechanized
29	Accompanying officials	Shri Bharath Kumar R.S., Mine Manager, Shri Deepak Cukkae Anilkumar, AGM Geology, Shri Karthik R.K, Mining Engineer, Shri Jalli Subramanyam, Geologist and other mine officials
30	Date of Previous inspection	06.07.2023
31	Date of inspection	27.12.2024

**Exploration: -**

Sl. No	Item	Proposals (Year 2023-24)	Actual work (Year 2023-24)	Remarks
1a	Backlog of previous year	No Proposal	Nil	Nil
1b	Exploration over lease area for Geological axis 1 or 2.	No Proposal during year 2023-24	Nil	Nil
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No Proposal during year 2023-24	Nil	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	G1= 98.68 ha G2= 14.83 ha Area proved as non-mineralized=25.69 ha	G1= 98.68 ha G2= 14.83 ha Area proved as non-mineralized=25.69 ha	As per the last approved RMP document dated 03/03/2023.
1e	Balance reserves as on 01.04.2024	Reserves as per approved Mining Plan as on 04 September 2022  Iron Ore- 1,903,606.00	As on 01.04.2024 Manganese Ore - 1,017,825 tonnes. Iron ore - 1,840,798 tonnes after depletion of production	As reported by the Lessee in AR 2023-24.

		tonnes with avg grade 50 % Fe.  Manganese ore- 1,066,305.00 tonnes with avg grade 28 % Mn	quantity	
1f	General remarks of inspecting officer on geology, exploration etc.	No Exploratory proposals for the year 2023-24 as per the approved document. The Reserves & Resources for both iron ore & manganese ore has been reported correctly in AR 2023-24 after depletion of production.		

**Development: -**

SL. No	Item	Proposals (Year 2023-24)	Actual work (Year 2023-24)	Remarks
2a	Location of development w.r.t. lease area	Proposed Location of Development for Manganese Ore: Neerlabbi (NRLB)- E 659804 To 660096 N 1667727 To 1668083 RL 887.5m to 997.5m Dabaxikolla (DBX)- E 656155 To 656262 N 1673260 To 1673393 RL 890 m to 917.5 m Governor Point (GP)- E 655623 To 655813, N 1673820 To 1674094 RL 847 m to 880 m Sink - A- shortcut (SASC) E 657518 To 657587, N 1670611 To 1670684 RL 860 m to 887.5 m	Development carried out within the proposed extent for NRLB, DBZ & GP Pits.  It is observed during inspection that development of benches at SASC Pit is lagging and is not developed systematically with 7.5 m bench height and width as proposed between section H-H' to I-I' from 887 to 857 mRL as per proposal.	Violation issued under Rule 11(1) of MCDR 2017.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Separate benches proposed in overburden and mineral. 7.5 m bench height proposed for both OB & mineral.	Separate benches have been maintained in Overburden and Mineral.  It is observed during	Violation issued under Rule 11(1) of MCDR 2017.

			inspection that development of benches at SASC Pit is lagging and is not developed systematically with 7.5 m bench height and width as proposed between section H-H' to I-I' from 887 to 857 mRL as per proposal.	
2c	Stripping ratio or ore to OB ratio in tonne: tonne	Manganese Ore:32,000 tonnes Iron Ore (Mineral Reject): 91,142 tonnes Total ROM: 123,142 tonnes Waste in tonnes: 410,216 Stripping ratio: 1:3.33 (in tons)	Manganese Ore:32000 tonnes Iron Ore (Mineral Reject):34,536 tonnes Total ROM: 66,536 tonnes Waste in tonnes: 322,577 Stripping ratio: 1:4.84 (in tons)	Mn ore nature of occurrence is irregular due to which there is variation in stripping ratio as reported by Lessee during inspection.
2d	Quantity of topsoil generation in m <sup>3</sup>	1,344 m <sup>3</sup> proposed	1,344 m <sup>3</sup> handled	Generated top soil used for Afforestation works as reported by the Lessee during inspection.
2e	Quantity of overburden generation in m <sup>3</sup>	191,689 Cum	150,737 Cum	The variation in the OB quantity is due to pocket and lensoidal nature of Mn ore as reported by the Lessee during inspection
2f	General remarks of	It is observed during inspection that development of benches at SASC Pit is lagging and is not developed		

	inspecting officer on development of pit w.r.t type of pit deposit etc.	systematically with 7.5 m bench height and width as proposed between section H-H' to I-I' from 887 to 857 mRL as per proposal. Violation issued under Rule 11(1) of MCDR 2017.
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**Exploitation: -**

SL. No	Item	Proposals (Year 2023-24)	Actual work (Year 2023-24)	Remarks
3a	Number of pits proposed for production	Manganese ore; 04 Pits  Neerlabbi Sink A Shortcut Dabaxi Kolla Governor Point	Working in 04 Pits  Neerlabbi (NRLB) Sink A Shortcut (SASC) Dabaxi Kolla (DBX) Governor Point (GP)	It is observed during inspection that development of benches at SASC Pit is lagging and is not developed systematically with 7.5 m bench height and width as proposed between section H-H' to I-I' from 887 to 857 mRL as per proposal. Violation issued under Rule 11(1) of MCDR 2017.
3b	Quantity of ROM mineral production proposed	32,000 tonnes-Manganese Ore proposed	32,000 tonnes of Manganese Ore achieved.	Nil.
3c	Recovery of salable/usable mineral from ROM production	Total ROM-123142 tons Mn ore- 32000 tons Iron ore (Mineral Reject)- 91142 tons.	Total ROM-66536 tons Mn ore- 32000 tons Iron ore (Mineral Reject)- 34536 tons.	Nil
3d	Quantity of mineral reject generation	91,142 tons of iron ore as mineral reject with grade +45 % Fe	34,536 tons of iron ore as mineral reject with grade 52 % Fe	As reported by Lessee in AR 2023-24.
3e	Grade of mineral reject generation and threshold value	91,142 tons of iron ore as	34,536 tons of iron ore as mineral	As reported by Lessee in AR 2023-24.

	declared	mineral reject with grade +45 % Fe	reject with grade 52 % Fe	
3f	Quantity of sub-grade mineral generation	No Proposal	Nil	Nil
3g	Grade of sub-grade mineral generation	No Proposal	Nil	Nil
3h	Manual / Mechanized 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	Nil
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposal	Nil	Nil
3j	Provision of drilling & blasting in mineral benches	Provision of drilling & blasting made	Drilling & Blasting is carried out in combination with Ammonium Nitrate, Slurry explosive and Nonel detonators	Drill- 110 mm dia.
3k	Provision of mining machineries in mineral benches	Mining machineries Proposed.	Mining machineries Back Hoe-1 Cum-01 No, Front end loaders-1.7 Cum- 02 No's, Tipper-6 Cum-10 No's, Blast host Drill-110 mm-01 No, Water tanker 03 No's (12 KL-2 No's & 7 KL- 1 No.) Etc.	As reported by Lessee in AR 2023-24.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed Bench height & Bench width - 7.5 m	Maintained. However, it is observed during inspection that development of benches at SASC Pit is lagging and is not developed	Violation issued under Rule 11(1) of MCDR 2017.

			systematically with 7.5 m bench height and width as proposed between section H-H' to I-I' from 887 to 857 mRL as per proposal.		
3m	Total area covered under excavation/pits	44.23 ha as on 31.03.2024 as per the approved document	43.47 ha as on 01.04.2024.	As reported by Lessee in AR 2023-24.	
3n	Ore to OB ratio for the pit/mine during the year	Manganese Ore:32,000 tonnes Iron Ore (Minera Reject): 91,142 tonnes Total ROM: 123,142 tonnes Waste in tonnes: 410,216 Stripping ratio: 1:3.33 (in tons)	Manganese Ore:32000 tonnes Iron Ore (Mineral Reject):34,536 tonnes Total ROM: 66,536 tonnes Waste in tonnes: 322,577 Stripping ratio: 1:4.84 (in tons)	Mn ore nature of occurrence is irregular due to which there is variation in stripping ratio as reported by Lessee during inspection.	
3o	Total area put in use under different heads at the end of year	Mining: 44.23 ha Waste dumps: 9.54 ha Infrastructure & Roads: 5.73 ha. (As on 31.03.2024 as per the last approved RMP document dtd 03/03/2023)	Mining: 43.47 ha Waste dumps:9.48 ha Infrastructure & Roads: 5.73 ha.	As reported by Lessee in AR 2023-24.	
3p	Production of ROM mineral during last five-year period, as applicable	Mn Ore- (in tonnes)			
		2019-20	32000	2019-20	31638
		2020-21	32000	2020-21	31500
		2021-22	32000	2021-22	31500
		2022-23	32000	2022-23	31500



		2023-24	32000	2023-24	32000
3q	General remarks of inspecting officer on method of mining etc.	<p>i) Method of Mining for manganese ore is carried out as per the proposal. Iron ore is generated as mineral reject in ROM, along with Manganese ore as per the approved document. The generated iron ore is stacked inside the mine at the earmarked location as mineral Reject as there is no statutory clearance for this Mineral there by taking care of mineral conservation aspect.</p> <p>ii) The land use reported correctly under different headings in AR 2023-24.</p> <p>iii) It is observed during inspection that development of benches at SASC Pit is lagging and is not developed systematically with 7.5 m bench height and width as proposed between section H-H' to I-I' from 887 to 857 mRL as per proposal. Violation issued under Rule 11(1) of MCDR 2017.</p>			

**Solid Waste Management-Dumping: -**

SL. No	Item	Proposals (Year 2023-24)	Actual work (Year 2023-24)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Separate dumping for OB and mineral reject proposed	Separate dumping for OB and mineral reject carried out. It is observed during inspection that mineral stacks were located between Section C-C' to F-F' at DBX Waste dump (D-1/02 & D-1/03) which is the earmarked location for waste dumping	Violation issued under Rule 11(1) of MCDR 2017.
4b	Location of topsoil, OB & mineral reject dumps	<p>Proposed OB Locations: D1/02 D1/03(Existing dump) &amp; D1/25 (New Dump)</p> <p>Proposed Mineral Reject Locations: D1/14D, D1/14B, D1/14C, D1/2B,</p>	It is observed during inspection that mineral stacks were located between Section C-C' to F-F' at DBX Waste dump (D-1/02 & D-1/03) which is the earmarked	Violation issued under Rule 11(1) of MCDR 2017.

		D1/20a, D1/19a, D1/21, D1/22	location for waste dumping.	
4c	Number of dumps within lease area and outside lease area	26 existing dumps as per the last approved document	26 existing dumps as per the last approved document	Nil
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	Nil
4e	Number of active & alive dumps	2 Dump	2 Dump	Surface Dump at Dabaxi kolla and Sink a Shortcut
4f	Number of dead dumps	24 Dumps	24 Dumps	Nil
4g	Number of dumps stabilized	21 dead dumps stabilized as per the last approved document.	21 dead dumps stabilized	Stabilized by coir mat and plantation.
4h	Whether Retaining wall or garland drain all along dumps are there	Retaining wall 213 meters garland drain 213 meters. Proposed along toe of dumps.	For the year 2023-24, 213 m of Retaining wall are proposed against which only 46 metres of Retaining wall is constructed. It is observed during inspection that Retaining wall and garland drain construction at toe of Waste dump, D-1/25 of SASC Pit is not carried out as per the proposal.	Violation issued under Rule 11(1) of MCDR 2017.
4i	Length of Retaining wall or garland drain all along dump	Retaining wall 213 meters garland drain 213 meters. Proposed along toe of dumps.	For the year 2023-24, 213 m of Retaining wall are proposed against which only 46 metres of Retaining wall is constructed. It is	Violation issued under Rule 11(1) of MCDR 2017.

			observed during inspection that Retaining wall and garland drain construction at toe of Waste dump, D-1/25 of SASC Pit is not carried out as per the proposal.	
4j	Number of settling ponds	No proposal	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management.	<p>i) It is observed during inspection that mineral stacks were located between Section C-C' to F-F' at DBX Waste dump (D-1/02 &amp; D-1/03) which is the earmarked location for waste dumping. Violation issued under Rule 11(1) of MCDR 2017.</p> <p>ii) For the year 2023-24, 213 m of Retaining wall are proposed against which only 46 metres of Retaining wall is constructed. It is observed during inspection that Retaining wall and garland drain construction at toe of Waste dump, D-1/25 of SASC Pit is not carried out as per the proposal. Violation issued under Rule 11(1) of MCDR 2017.</p>		

**Solid Waste Management-Back filling: -**

SL. No	Item	Proposals (Year 2023-24)	Actual work (Year 2023-24)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	During the fiscal year 2023-24, there was proposal to backfill in Neerlabbi (NRLB), Sink a Shortcut (SASC) & Governor Point (GP) pits with total area of 2.45 ha	During the fiscal year 2023-24, there was a proposal to backfill in Neerlabbi (NRLB), Sink a Shortcut (SASC) & Governor Point (GP) pits with total area of 2.45 ha. It is observed that actual backfilling has been carried at NRLB and GP pits only over an extent of 1.75 ha.	Violation issued under Rule 11(1) of MCDR 2017.
5b	Area under backfilling of mined out area	During the fiscal year 2023-24, there was proposal to backfill in Neerlabbi (NRLB), Sink a Shortcut (SASC) & Governor Point (GP) pits with total area of 2.45 ha	During the fiscal year 2023-24, there was a proposal to backfill in Neerlabbi (NRLB), Sink a Shortcut (SASC) & Governor Point (GP) pits with total area of 2.45 ha. It is observed	Violation issued under Rule 11(1) of MCDR 2017.

			that actual backfilling has been carried at NRLB and GP pits only over an extent of 1.75 ha.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	1344 Cum topsoil generated proposed for use during Afforestation.	1344 Cum topsoil generated utilized for afforestation on dumps.	Generated top soil used for afforestation on Dumps.
5d	Total area fully reclaimed & rehabilitated	During the fiscal year 2023-24, there was proposal to backfill in Neerlabbi (NRLB), Sink a Shortcut (SASC) & Governor Point (GP) pits with total area of 2.45 ha	During the fiscal year 2023-24, there was a proposal to backfill in Neerlabbi (NRLB), Sink a Shortcut (SASC) & Governor Point (GP) pits with total area of 2.45 ha. It is observed that actual backfilling has been carried at NRLB and GP pits only over an extent of 1.75 ha.	Violation issued under Rule 11(1) of MCDR 2017.
5e	General remarks of inspecting officer on backfilling, reclamation etc	During the fiscal year 2023-24, there was a proposal to backfill in Neerlabbi (NRLB), Sink a Shortcut (SASC) & Governor Point (GP) pits with total area of 2.45 ha. It is observed that actual backfilling has been carried at NRLB and GP pits only over an extent of 1.75 ha. Violation issued under Rule 11(1) of MCDR 2017		

### **Progressive Mine Closure Plan: -**

Sl.No.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20.	To be submitted by 1 <sup>st</sup> July of every year	Annual PMCP report submitted along with Annual Return 2023-24 on 28.06.2024	Submitted within timeline.
6b	Area available for rehabilitation (ha)	No Proposal	Nil	Nil
6c	Afforestation done (ha)	Proposal of Gap Plantation	For the year 2023-24 a total	Violation issued under Rule 11(1) of

			plantation of 5,000 nos. of plants proposed, for gap plantation in safety zone. It is observed that only 3,194 nos. of plantation carried out as per the plantation figures reported in Annual return 2023-24.	MCDR 2017.
6d	No. of saplings planted during the year	5000 nos. of saplings plantation proposed	For the year 2023-24 a total plantation of 5,000 nos. of plants proposed, for gap plantation in safety zone. It is observed that only 3,194 nos. of plantation carried out as per the plantation figures reported in Annual return 2023-24.	Violation issued under Rule 11(1) of MCDR 2017.
6e	Cumulative no. of plants	311429 nos. of plants as on 31.03.2022 as per the last approved document.	3,70,002 nos. of cumulative plants as on 01.04.2024 as reported by the Lessee during inspection.  The cumulative plantation figures under "Total no. of trees at the end of the year" under Part-V (5.) of AR 2023-24 is not reported correctly.	Violation issued under Rule 45(7) of MCDR 2017.
6f	Any other specific method of rehabilitation	No proposal	Nil	Nil

6g	Cost incurred on watch & care during the year	Rs. 2,50,000 proposed for afforestation.	Rs. 1,66,000 incurred for plantation and Environmental monitoring.	For the year 2023-24 a total plantation of 5,000 nos. of plants proposed, for gap plantation in safety zone. It is observed that only 3,194 nos. of plantation carried out as per the plantation figures reported in Annual return 2023-24. Violation issued under Rule 11(1) of MCDR 2017.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D)	During the fiscal year 2023-24, there was a proposal to backfill in Neerlabbi (NRLB), Sink a Shortcut (SASC) & Governor Point (GP) pits with total area of 2.45 ha	During the fiscal year 2023-24, there was a proposal to backfill in Neerlabbi (NRLB), Sink a Shortcut (SASC) & Governor Point (GP) pits with total area of 2.45 ha. It is observed that actual backfilling has been carried at NRLB and GP pits only over an extent of 1.75 ha.	Violation issued under Rule 11(1) of MCDR 2017.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings	During the fiscal year 2023-24, there was a proposal to backfill in Neerlabbi (NRLB), Sink a Shortcut (SASC) & Governor Point (GP) pits with total area of 2.45 ha	During the fiscal year 2023-24, there was a proposal to backfill in Neerlabbi (NRLB), Sink a Shortcut (SASC) & Governor Point (GP) pits with total area of 2.45 ha. It is observed that actual backfilling has	Violation issued under Rule 11(1) of MCDR 2017.

			been carried at NRLB and GP pits only over an extent of 1.75 ha.	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area	No proposal	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil	Nil
6L	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	No proposal	Nil	Nil
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	No proposal	Nil	Nil
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha)	No proposal	Nil	Nil
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal	Nil	Nil
6p	Compliance of Environmental monitoring (core zone & buffer zone)	Environmental monitoring proposed in Core and Buffer Zone.	Environmental monitoring has been carried out as per proposal in core and buffer zone as per the proposal. Environmental monitoring report	Nil

			of Mar-24 verified during inspection (Air, Water, Noise etc.). All parameters within limit.
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations	<p>i) For the year 2023-24 a total plantation of 5,000 nos. of plants proposed, for gap plantation in safety zone. It is observed that only 3,194 nos. of plantation carried out as per the plantation figures reported in Annual return 2023-24. Violation issued under Rule 11(1) of MCDR 2017.</p> <p>ii) During the fiscal year 2023-24, there was a proposal to backfill in Neerlabbi (NRLB), Sink a Shortcut (SASC) &amp; Governor Point (GP) pits with total area of 2.45 ha. It is observed that actual backfilling has been carried at NRLB and GP pits only over an extent of 1.75 ha. Violation issued under Rule 11(1) of MCDR 2017.</p> <p>iii) The cumulative plantation figures under "Total no. of trees at the end of the year" under Part-V (5.) of AR 2023-24 is not reported correctly. Violation issued under Rule 45(7) of MCDR 2017.</p>	

### Mineral Conservation: -

SL. No	Item	Proposals (Year 2023-24)	Actual work (Year 2023-24)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting proposed with in Lease area for Mn ore	Grade wise sorting done manually with in Lease area for Mn ore	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual sorting for Mn Ore proposed	Manual sorting carried out for Mn ore.	Nil
7c	Different grade of mineral sorted out at mines	(a) Below 25% Mn (b) 25% to below 35% Mn (c) 35% to below 46% Mn	(a) Below 25% Mn (b) 25% to below 35% Mn (c) 35% to below 46% Mn	Nil
7d	Any beneficiation process at mines	No proposal	Nil	Nil
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 from ROM is stacked separately as Mineral Reject as there is no statutory clearance for this Mineral there by taking care of mineral conservation aspect.		



**Environment: -**

SL. No.	Item	Proposals (Year 2023-24)	Actual work (Year 2023-2)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	1344 Cum topsoil generated proposed for concurrent usage in Afforestation	1344 Cum topsoil generated concurrently utilized for afforestation on dumps.	Generated top soil utilized concurrently for afforestation on Dumps.
8b	Concurrent use or storage of topsoil	1344 Cum topsoil generated proposed for concurrent usage in Afforestation	1344 Cum topsoil generated concurrently utilized for afforestation on dumps.	Generated top soil utilized concurrently for afforestation on Dumps.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed OB Locations: D1/02 D1/03(Existing dump) & D1/25 (New Dump)  Proposed Mineral Reject Locations:  D1/14D, D1/14B, D1/14C, D1/2B, D1/20a, D1/19a, D1/21, D1/22	It is observed during inspection that mineral stacks were located between Section C-C' to F-F' at DBX Waste dump (D-1/02 & D-1/03) which is the earmarked location for waste dumping.	Violation issued under Rule 11(1) of MCDR 2017.
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	During the fiscal year 2023-24, there was a proposal to backfill in Neerlabbi (NRLB), Sink a Shortcut (SASC) & Governor Point (GP) pits with total area of 2.45 ha	During the fiscal year 2023-24, there was a proposal to backfill in Neerlabbi (NRLB), Sink a Shortcut (SASC) & Governor Point (GP) pits with total area of 2.45 ha. It is observed that actual backfilling has been carried at NRLB and GP pits only over an	Violation issued under Rule 11(1) of MCDR 2017.

			extent of 1.75 ha.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc.)	During the fiscal year 2023-24, there was a proposal to backfill in Neerlabbi (NRLB), Sink a Shortcut (SASC) & Governor Point (GP) pits with total area of 2.45 ha	During the fiscal year 2023-24, there was a proposal to backfill in Neerlabbi (NRLB), Sink a Shortcut (SASC) & Governor Point (GP) pits with total area of 2.45 ha. It is observed that actual backfilling has been carried at NRLB and GP pits only over an extent of 1.75 ha.	Violation issued under Rule 11(1) of MCDR 2017.
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	311429 nos. of plants as on 31.03.2022 as per the last approved document.	3,70,002 nos. of cumulative plants as on 01.04.2024 as reported by the Lessee during inspection.  The cumulative plantation figures under "Total no. of trees at the end of the year" under Part-V (5.) of AR 2023-24 is not reported correctly.	Violation issued under Rule 45(7) of MCDR 2017.
8g	Survival rate	80% proposed	85% achieved	As reported by the Lessee in AR 2023-24.
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 to suppress the dust	3 nos. water tankers of different capacity are deployed. 12 KL-2 nos, 7 KL-1nos., 12KL-6 nos.
8i	General remarks of inspecting officer on aesthetic beauty in and around	i)The aesthetic beauty in and around mines area looks good. ii) During the fiscal year 2023-24, there was a proposal to backfill in Neerlabbi (NRLB), Sink a Shortcut (SASC) & Governor Point (GP) pits with total area of 2.45 ha. It is		

	mines area	<p>observed that actual backfilling has been carried at NRLB and GP pits only over an extent of 1.75 ha. Violation issued under Rule 11(1) of MCDR 2017.</p> <p>iii)The cumulative plantation figures under "Total no. of trees at the end of the year" under Part-V (5.) of AR 2023-24 is not reported correctly. Violation issued under Rule 45 (7) of MCDR 2017.</p> <p>iv) It is observed during inspection that mineral stacks were located between Section C-C' to F-F' at DBX Waste dump (D-1/02 &amp; D-1/03) which is the earmarked location for waste dumping. Violation issued under Rule 11(1) of MCDR 2017.</p>
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### **Compliance of Rule 45**

SL. No	Item	Comments	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto November - 2024 on 09/12/2024 A.R. submitted upto FY 2023-24 on 28/06/2024	Submitted within timeline.

SL. No	Item	Details Given in A.R (Year 2023-24)	Actual in field	Remarks
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	Mine Manager, Mining Engineer and Geologist present on date of inspection.	Appears to be correct.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under mining: 43.47 ha, OB dumps -9.48 ha, Infrastructure & Road-5.73 ha. etc.	Appears to be correct	Nil
9d	Scrutiny of Annual return on afforestation	Within mining lease area-3194 @ 85% survival rate, Total nos of trees at the end of year- 2715 nos.	Part-V (General Geology & Mining): The cumulative plantation figures under "Total no. of trees at the end of the year" under Part-V (5.) of AR 2023-24 is not reported correctly.	Violation issued under Rule 45(7) of MCDR 2017.

			Violation issued under Rule 45 (7) of MCDR 2017	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Mn: Nil, Iron ore- 34,536 tons with avg grade 52 % Fe during year 2023-24	Appears to be correct	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	<b>Manganese ore;</b> Opening stock- 6017.700 tons, Production-32000 tons, Closing stock- 6210.640 tons  <b>Graded ore manganese:</b> Opening stock- 18566.60 tons, Production-31807.06 tons, Despatch- 25521.13 tons Closing stock- 24852.53 tons	Appears to be correct	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	<b>Ex-Mine Price</b> (a) Below 25% Mn- ₹ 5787 (b) 25% to below 35% Mn- ₹ 9242 (c) 35% to below 46% Mn- ₹ 17549  <b>Cost of Production</b> ₹ 6536	i) Part-II A(Capital Structure): The total depreciation during the year as reported under the para is not matching with the depreciation cost/ton as reported in Part-VII(Cost of production).  ii) Part-III (Consumption of Materials)- i) The Royalty, DMF and NMET figures as reported under Part-III (2.) is not matching with the Royalty, DMF and NMET cost per ton as reported later in Part-VII (cost of production)	Violation issued under Rule 45(7) of MCDR 2017.

			<p>considering the reported figures of this para &amp; the reported total despatch quantity of Part VI(3(ii)).</p> <p>iii) The Overheads expenses is reported as "0" in Part-III(6)(i) whereas under Part-VII (Cost of production), Rs. 2952/ton is reported under Overhead cost.</p> <p>iv) Part-VII (Cost of Production) : The cost of production per tonne under the para is not reported correctly since there is error in reported overhead, Depreciation, Royalty, DMF and NMET cost per ton.</p>	
9i	Scrutiny of Annual return on fixed assets	<p>₹ 2455203 including Industrial, Plant and Machinery &amp; Capitalized expenditure.</p> <p>Depreciation- ₹ 754357</p>	<p>Part-II A (Capital Structure): The total depreciation during the year as reported under the para is not matching with the depreciation cost/ton as reported in Part-VII (Cost of production).</p>	Violation issued under Rule 45(7) of MCDR 2017.
9k	Scrutiny of Annual return on mining machineries	<p>Back Hoe-1 Cum-01 No, Front end loaders-1.7 Cum- 02 No's, Tipper-6 Cum-10 No's, Blast host Drill-110</p>	Appears to be correct.	Nil

		mm-01 No, Water tanker 03 No's (12 KL-2 No's & 7 KL- 1 No.) Etc.		
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Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show cause position		
Rule No.	Issued on	Compliance on	Rule No.	Issued on	Compliance on
11(1)	13/01/2025	14/03/2025	45(7)	13/01/2025	18/02/2025
	5	5		25	25

संदीप कुमार सिंह. /Sandeep Kumar Singh)

वरिष्ठ सहायक खान नियंत्रक/ Senior Assistant Controller of Mines