

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

MCDR inspection REPORT

Bangalore regional office

Mine file No : KNT/BLR/FE/52/BNG

Mine code : 30KAR03035

- (i) Name of the Inspecting : **S19**) **SANDEEP KUMAR SINGH**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : 1.Y.V. Ramakrishna Reddy Manager & Mining Engineer. 2
Official with
Designation
- (iv) Date of Inspection : 25/02/2023
- (v) Prev.inspection date : 09/05/2022

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KARADIKOLLA SURESH**
- (b) **Registration NO.** : **IBM/243/2011**
- (c) **Category** : A Fully Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : BELLARY
- Village : KARADIKOLLA SURESH
- Taluka : HOSPET
- Post office : KARIGANUR
- Pin Code :
- FAX No. : 08394-226853 (F),pbsandson@
- E-mail : pbsandson@gmail.com.
- Phone : 08394-228332 (O),8971200394
- (f) **Police Station** : HOSPET
- (g) **First opening date** : 05/09/1953
- (h) **Weekly day of rest** : SUN
2. **Address for** : M/s P. BALASUBBA SETTY & SON
correspondance P.B.No. 3, Hampi Road,
HOSPET, Bellary -583201
3. (a) **Lease Number** : KAR0323
- (b) **Lease area** : 44.6
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 22/01/2006
4. **Mineral worked** : IRON ORE Main

5. Name and Address of the

Lessee : P.B.SETTY & SONS
D.No-2078, P.B.No-03 22nd
Ward, J.P.Nagar Bellary
Road, Hospet BELLARY
KARNATAKA
Phone:08394-265695, 265366
FAX :08394-265355

Owner : P.V.Prakash, M.Partner of M/s P.B. Setty & Son
D.No-2078, P.B.No-03, 22nd
ward, J.P.Nagar, Bellary
Road Hospet BELLARY
KARNATAKA
Phone: 08394-265595, 2
FAX : 08394-265355

Mining Engineer

Name : Y V RAMKRISHNA REDDY, Full Time
Qualification : B.Tech. In Mining
Appointment/ : 01/08/2017
Termination date

Geologist

Name : N. Shiva Prasad., Full Time
Qualification : M.sc Geology
Appointment/ : 04/04/2016
Termination date

Manager

Name : Y.V.Ramakrishna Reddy
Qualification : Dip. in Mining
Appointment/ : 01/12/2011
Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	12/04/1991
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	07/02/1996
	:	Renewal under rule 22 MCR1960	26/06/2001
	:	Modif.of approved Mining Plan	20/12/2002
	:	Modif.of approved Mining Plan	23/03/2007
	:	Mining Scheme rule 12 MCDR1988	27/06/2008
	:	Modif.approved Mining Scheme	11/01/2013
	:	MS modif under MCR 1960	27/08/2015
	:	MP review under 17(1) MCR 2016	27/11/2017
	:	MP modif under 17(3) MCR 2016	13/07/2018
	:	Modif.approved Mining Scheme	02/08/2021
	:	MP review under 17(1) MCR 2016	14/10/2021
	:	FMCP under 23C(1)	14/10/2021

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	NIL
1b	Exploration over lease area for geological axis 1 or 2	6 No. of Bore holes with 300 mtrs proposed during year 2021-22.	No exploratory drilling carried out during year 2021-22. 6 No. of exploratory bore holes with 338 metres total drilled during year 2022-23.	As per Form-J. The details of Exploration have not been reported correctly under Sec 4.1 - Exploration-Part-V of AR 2021-22. Violation issued under Rule 45(7) of MCDR 2017.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not mentioned.	M/s P. Balasubba Setty & Son. Expenditure :1,72,050/-	As reported by the Lessee during inspection.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Under G1- 16.50 Ha Under G2- 00.26 Ha. Non-Mineralized - 25.34 Ha.	G1 - 17.30 Ha., Non-Mineralized area: 24.80 Ha.	The Geological study report prepared in the manner specified in the Minerals (Evidence of Mineral Contents) Rules, 2015 have not been submitted after completion of the detailed exploration (G-1 level) to the State Government and the Indian Bureau of Mines as per the provision of rule 12(4B). Violation issued under Rule 12(4B) of MCDR 2017.
1e	Balance reserve as on 01/04/20	14,359,861 tons of iron ore as on 01.04.2021 with Fe grade 45 to 66 %	13,460,911 tons of iron ore as on 01.04.2022 after depletion of production	As reported in AR 2021-22.

1f	General remarks of inspecting officers on geology, exploration etc	<p>i) The Geological study report prepared in the manner specified in the Minerals (Evidence of Mineral Contents) Rules, 2015 have not been submitted after completion of the detailed exploration (G-1 level) to the State Government and the Indian Bureau of Mines as per the provision of rule 12(4B). Violation issued under Rule 12(4B) of MCDR 2017.</p>	<p>ii) The details of Exploration have not been reported correctly under Sec 4.1 - Exploration-Part-V of AR 2021-22. Violation issued under Rule 45(7) of MCDR 2017.</p> <p>iii) The record of the 6 nos. of boreholes drilled during year 2022-23 were not found maintained properly with all details in 'Form-J' as per provision of this rule. Violation issued under Rule 48 of MCDR 2017.</p>
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Development proposed between Sec-B-B' to F-F,	It was observed during inspection that bench height of 8m as proposed, has not been maintained at Sec B-B' (N-1684031, E-653595) from 780 to 790 mRL & Sec E-E' (N-1683874, E-653883) from 764 to 794 mRL. The benches have been developed with 10 metres height whereas, as per the proposal the benches have to be developed of 8m height systematically between 792 to 776 mRL at Sec B-B' and 808 to 752 mRL at Sec E-E' till 2022-23.	Violation issued under Rule 11(1) of MCDR 2017.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches proposed for OB & mineral.	It was observed during inspection that bench height of 8m as proposed, has not been maintained at Sec B-B' (N-1684031, E-653595) from 780 to 790 mRL & Sec E-E' (N-1683874, E-653883) from 764 to 794 mRL. The benches have been developed with 10 metres height whereas, as per the proposal the benches have to be developed of 8m height systematically between 792 to 776 mRL at Sec B-B' and 808 to 752 mRL at Sec E-E' till 2022-23.	Violation issued under Rule 11(1) of MCDR 2017.
2c	Stripping ratio or ore to OB ratio	1:0.51 proposed (In tons)	1:0.54 achieved (In tons)	Ore-8,98,950 tons & OB- 4,87,660 tons (As reported in AR 2021-22)
2d	Quantity of topsoil generation in m3	No proposal	NIL	NIL
2e	Quantity of overburden generation in m3	1,94,790 Cu.m. ~4,86,975 tons	1,95,064 Cu.m. ~4,87,660 tons.	NIL

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	i)It was observed during inspection that bench height of 8m as proposed, has not been maintained at Sec B-B' (N-1684031, E-653595) from 780 to 790 mRL & Sec E-E' (N-1683874, E-653883) from 764 to 794 mRL. The benches have been developed with 10 metres height whereas, as per the proposal the benches have to be developed of 8m height systematically between 792 to 776 mRL at Sec B-B' and 808 to 752 mRL at Sec E-E' till 2022-23. Violation issued under Rule 11(1) of MCDR 2017.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	On pit Proposed. Sections B-B' to FF'	It was observed during inspection that bench height of 8m as proposed, has not been maintained at Sec B-B' (N-1684031, E-653595) from 780 to 790 mRL & Sec E-E' (N-1683874, E-653883) from 764 to 794 mRL. The benches have been developed with 10 metres height whereas, as per the proposal the benches have to be developed of 8m height systematically between 792 to 776 mRL at Sec B-B' and 808 to 752 mRL at Sec E-E' till 2022-23.	Violation issued under Rule 11(1) of MCDR 2017

3b	Quantity of ROM mineral production proposed	9,50,000 tons proposed	8,98,950 tons achieved	As reported in AR 2021-22.
3c	Recovery of sailable/usable mineral from ROM production	100% proposed	100% achieved	NIL
3d	Quantity of mineral reject generation	No Proposal	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	No Proposal	NIL	NIL
3f	Quantity of sub grade mineral generation.	No Proposal	NIL	NIL
3g	Grade of sub grade mineral generation	No Proposal	NIL	Old Sub Grade stock available is 29320.020 tons. As reported by the Lessee during inspection.
3h	Manual / Mechanised method adopted for segregating from ROM	Only dry crushing & screening proposed	Dry crushing & screening carried out. Crusher-200 tph- 3 nos,	Product size- 0-10mm fines & 10-40 mm lumps.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Proposal	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	Drilling and blasting proposed.	Drill- 105 mm dia.- 3 nos, Explosive-Slurry explosives in conjunction with detonator.	Letter already given to the Lessee of even no dated 18/01/2023 regarding undertaking the slope stability study of the mine pit and dump in light of the dump sliding.

3k	Provision of mining machineries in mineral benches	Mining Machineries proposed:	1.Excavator- 10 nos.- (0.7,1,1.2.1.4,1.6 & 1.8 Cum). 2.Front End loader-7 nos. (1.7 & 2.7 Cum) 3.Dumper-19 nos.- (10,16 & 25 tons) 4.Drill-1 no. (105 mm) 5.Water tanker- 5 nos.- (6,8 & 16 KL)	As reported in AR 2021-22.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	8 m. bench height proposed for both OB & mineral.	It was observed during inspection that bench height of 8m as proposed, has not been maintained at Sec B-B' (N-1684031, E-653595) from 780 to 790 mRL & Sec E-E' (N-1683874, E-653883) from 764 to 794 mRL. The benches have been developed with 10 metres height whereas, as per the proposal the benches have to be developed of 8m height systematically between 792 to 776 mRL at Sec B-B' and 808 to 752 mRL at Sec E-E' till 2022-23.	Violation issued under Rule 11(1) of MCDR 2017
3m	Total area covered under excavation/pits	14.34 Ha (Till end of the plan period i.e., 4/9/23)	14.25 Ha as on 1.04.2022	As reported in AR 2021-22.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.51 proposed (In tons)	1:0.54 achieved (In tons)	Ore-8,98,950 tons & OB- 4,87,660 tons (As reported in AR 2021-22)

3o	Total area put in use under different heads at the end of year	Area under Mining - 14.34 Ha, Waste Dump- 14.66 Ha Infrastructure & roads - 0.92 Ha Reclaimed/Rehabilitated- 10.49 ha (Till end of the plan period i.e., 4/9/23)	Covered under current (O/C) workings - 14.25 Ha, Used for waste Disposal - 13.75 Ha. Occupied by plant, buildings, residential, welfare buildings & Roads - 0.92 Ha Reclaimed/Rehabilitated- 10.49 ha (As on 1.04.22)	The land use (area in ha) as given in Part-I (12) under 12(iii), i.e., Reclaimed/Rehabilitated have not been reported correctly in accordance with approved land use pattern of FMCP dated 14/10/2021. Violation issued under Rule 45(7) of MCDR 2017.
3p	Production of ROM mineral during the last five year period as applicable	2017-18: 4,80,000 2018-19: 8,25,000 2019-20: 8,25,000 2020-21: 8,25,000 2021-22: 9,50,000 (In Tonnes)	2017-18: 4,80,000 2018-19: 8,25,000 2019-20: 8,25,000 2020-21: 8,25,000 2021-22: 8,98,950 (In Tonnes)	NIL

3q	General remarks of inspecting officers on method of mining etc.	i) It was observed during inspection that bench height of 8m as proposed, has not been maintained at Sec B-B' (N-1684031, E-653595) from 780 to 790 mRL & Sec E-E' (N-1683874, E-653883) from 764 to 794 mRL. The benches have been developed with 10 metres height whereas, as per the proposal the benches have to be developed of 8m height systematically between 792 to 776 mRL at Sec B-B' and 808 to 752 mRL at Sec E-E' till 2022-23. Violation issued under Rule 11(1) of MCDR 2017.	ii) The land use (area in ha) as given in Part-I (12) under 12(iii), i.e., Reclaimed/Rehabilitated have not been reported correctly in accordance with approved land use pattern of FMCP dated 14/10/2021. Violation issued under Rule 45(7) of MCDR 2017	iii) Letter already given to the Lessee of even no dated 18/01/2023 regarding undertaking the slope stability study of the mine pit and dump in light of the dump sliding. Further again letter given to Lessee dated 03/04/23 regarding updating this office regarding action taken and further modify the Final mine closure plan based on the recommendation of the above scientific study and technical advice of ICFRE w.r.t the modified Reclamation & Rehabilitation plan.
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping of OB proposed at waste dump-AD-1. N - 1683900 To N - 1684300 E - 653600 To E - 654000	The active Waste dump AD-1 slope failure has occurred at North Eastern portion of the lease of approximate height 80 metres and width 120 m. The waste dump material has escaped outside the mine lease area due to the dump sliding. The active waste dump AD-1 has not been properly maintained in stages and secured as per the proposal and provision of Rule 37(2).	Violation issued under Rule 11(1) & 37(2) of MCDR 2017.
4b	Location of topsoil, OB and mineral reject dumps	Separate dumping of OB proposed at waste dump-AD-1. N - 1683900 To N - 1684300 E - 653600 To E - 654000	The active Waste dump AD-1 slope failure has occurred at North Eastern portion of the lease of approximate height 80 metres and width 120 m. The waste dump material has escaped outside the mine lease area due to the dump sliding. The active waste dump AD-1 has not been properly maintained in stages and secured as per the proposal and provision of Rule 37(2).	Violation issued under Rule 11(1) & 37(2) of MCDR 2017.
4c	Number of dumps within lease area and outside of lease area	One no. of Active dumps within the lease (AD-1) & 2 nos. of Inactive dumps (ID-1 & ID-2)	The active Waste dump AD-1 slope failure has occurred at North Eastern portion of the lease of approximate height 80 metres and width 120 m. The waste dump material has escaped outside the mine lease area due to the dump sliding. The active waste dump AD-1 has not been properly maintained in stages and secured as per the proposal and provision of Rule 37(2).	Violation issued under Rule 11(1) & 37(2) of MCDR 2017.

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	AD-1 & ID-2 outside UPL. Portion of ID-1 within UPL.	AD-1 & ID-2 outside UPL. Portion of ID-1 within UPL. Letter already given to the Lessee of even no dated 18/01/2023 regarding undertaking the slope stability study of the mine pit and dump in light of the dump sliding.	Further again letter given to Lessee dated 03/04/23 regarding updating this office regarding action taken and further modify the Final mine closure plan based on the recommendation of the above scientific study and technical advice of ICFRE w.r.t the modified Reclamation & Rehabilitation plan.
4e	Number of active and alive dumps.	Ona active dump AD-1	The active Waste dump AD-1 slope failure has occurred at North Eastern portion of the lease of approximate height 80 metres and width 120 m. The waste dump material has escaped outside the mine lease area due to the dump sliding. The active waste dump AD-1 has not been properly maintained in stages and secured as per the proposal and provision of Rule 37(2).	Violation issued under Rule 11(1) & 37(2) of MCDR 2017.
4f	Number of dead dumps.	Two dead dumps. ID-1 & ID-2	The waste dump material AD-1 & ID-1 has escaped outside the mine lease area due to the dump sliding.	Violation issued under Rule 11(1) & 37(2) of MCDR 2017.

4g	Number of dumps established.	No proposal	The active Waste dump AD-1 slope failure has occurred at North Eastern portion of the lease of approximate height 80 metres and width 120 m. The waste dump material has escaped outside the mine lease area due to the dump sliding. The active waste dump AD-1 has not been properly maintained in stages and secured as per the proposal and provision of Rule 37(2).	Violation issued under Rule 11(1) & 37(2) of MCDR 2017.
4h	Whether Retaining wall or garland drain all along dumps are there.	1000 m. of Retaining wall & 1010m of garland drain proposed	The constructed Retaining wall and garland drain at bottom of the Inactive dump ID-2 at North Eastern portion of the lease have been damaged due to portion of active waste dump AD-1 sliding	Violation issued under Rule 11(1) of MCDR 2017.
4i	Length of Retaining wall or garland drain all along dumps	1000 m. of Retaining wall & 1010m of garland drain proposed	The constructed Retaining wall and garland drain at bottom of the Inactive dump ID-2 at North Eastern portion of the lease have been damaged due to portion of active waste dump AD-1 sliding	Violation issued under Rule 11(1) of MCDR 2017.
4j	Number of settling ponds	No proposal	NIL	NIL

4k	Specific comments of inspecting officer on waste dump management	i) The active Waste dump AD-1 slope failure has occurred at North Eastern portion of the lease of approximate height 80 metres and width 120 m. The waste dump material has escaped outside the mine lease area due to the dump sliding. The active waste dump AD-1 has not been properly maintained in stages and secured as per the proposal and provision of Rule 37(2). Violation issued under Rule 11(1) & 37(2) of MCDR 2017.	ii) The constructed Retaining wall and garland drain at bottom of the Inactive dump ID-2 at North Eastern portion of the lease have been damaged due to portion of active waste dump AD-1 sliding. Violation issued under Rule 11(1) of MCDR 2017.	iii) Letter already given to the Lessee of even no dated 18/01/2023 regarding undertaking the slope stability study of the mine pit and dump in light of the dump sliding. Further again letter given to Lessee dated 03/04/23 regarding updating this office regarding action taken and further modify the Final mine closure plan based on the recommendation of the above scientific study and technical advice of ICFRE w.r.t the modified Reclamation & Rehabilitation plan.
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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.	No proposals	NIL	NIL
5b	Area under backfilling of mined out area	No proposals	NIL	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposals	NIL	NIL

5d	Total area fully reclaimed and rehabilitated	No proposals	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.		The satellite image has not been submitted in accordance with the Standard Operating Procedures under sub rule (2) of rule 34A of MCDR, 2017 for submission of Satellite Imageries. The Lease area with 100 m buffer shp file, establishment of Ground Control points, Data output and formats (Meta data, GCP's data, RMSE Report, Map of the mining lease (.shp files of actual excavation, mineral storage, waste dump, afforestation etc.),.	Lease boundary pillar co-ordinates (.shp & MS excel) have not been submitted in accordance with the SOP. Violation issued under Rule 34A. (2) of MCDR 2017.

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 before 1st of July every year.	Annual PMCP Report for year 2021-22 is Submitted on 04.05.2022.	NIL
6b	Area available for rehabilitation (ha) .	0.83 ha afforestation proposed on dump AD-1	0.83 ha afforestation carried on dump AD-1	NIL
6c	afforestation done (ha).	0.83 ha afforestation proposed on dump AD-1	0.83 ha afforestation carried on dump AD-1	NIL
6d	No. of saplings planted during the year	1328 nos. of saplings plantation proposed	1455 nos. of saplings planted.	The number of trees planted during the year within the lease area have not been reported correctly in Part-V-Sec-4.4(i) of AR 2021-22. Violation issued under Rule 45(7) of MCDR 2017.

6e	Cumulative no .of plants	5418 nos. cumulative as on 31.03.2022	14,960 nos. of plants cumulative as on 31.03.2022	As per the Annual PMCP report 2021-22.
6f	Any other method of rehabilitation	No proposal	NIL	NIL
6g	Cost incurred on watch and care during the year	2,70,900/- proposed	As per the proposal.	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	NIL	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on 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 rehabilitation (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 and buffer zone)	Environmental monitoring proposed in core zone & buffer zone	Environmental monitoring carried out in core & buffer zone for Air, water, noise & soil.	The waste dump material of AD-1 & ID-1 has escaped outside the mine lease area due to the dump sliding. Violation issued under Rule 11(1) & 37(2) of MCDR 2017.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		i) The number of trees planted during the year within the lease area have not been reported correctly in Part-V-Sec-4.4(i) of AR 2021-22. Violation issued under Rule 45(7) of MCDR 2017 ii) Letter already given to the Lessee of even no dated 18/01/2023 regarding undertaking the slope stability study of the mine pit and dump in light of the dump sliding.	Further again letter given to Lessee dated 03/04/23 regarding updating this office regarding action taken and further modify the Final mine closure plan based on the recommendation of the above scientific study and technical advice of ICFRE w.r.t the modified Reclamation & Rehabilitation plan. Since the lease is expiring on 04/09/2023 the action in this regard needs to be immediately expedited at Lessee end.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Only dry crushing & screening proposed	Dry crushing & screening carried out. Crusher-200 tph- 3 nos.	Product size- 0-10mm fines & 10-40 mm lumps.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Dry crushing & screening proposed with grade wise sorting.	Lumps (Fe-grade): 62-65% Fines (Fe-grade): 60-62 % 62-65 % 65 % & above	Grade as reported in AR 2021-22
7c	Different grade of mineral sorted out at mines.	Dry crushing & screening proposed with grade wise sorting.	Lumps (Fe-grade): 62-65% Fines (Fe-grade): 60-62 % 62-65 % 65 % & above	Grade as reported in AR 2021-22
7d	Any beneficiation process at mines	No Proposal	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No specific comments.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	NIL	NIL
8b	Concurrent use or storage of topsoil	No proposal	NIL	NIL

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping of OB proposed at dump AD-1.	The active Waste dump AD-1 slope failure has occurred at North Eastern portion of the lease of approximate height 80 metres and width 120 m. The waste dump material has escaped outside the mine lease area due to the dump sliding. The active waste dump AD-1 has not been properly maintained in stages and secured as per the proposal and provision of Rule 37(2)	Violation issued under Rule 11(1) & 37(2) of MCDR 2017.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	NIL	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	NIL	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	5418 nos. cumulative as on 31.03.2022	14,960 nos. of plants cumulative as on 31.03.2022	As per the Annual PMCP report 2021-22.
8g	Survival rate	80 % proposed	82% achieved.	The number of trees planted during the year within the lease area have not been reported correctly in Part-V-Sec-4.4(i) of AR 2021-22. Violation issued under Rule 45(7) of MCDR 2017

8h	Water sprinkling on roads to control airborne dust	Water Sprinkling on haul roads proposed to control the air borne dust	Water sprinkling inside the mine carried out by 16 KL-3nos, 8KL-1 no, 6 Kl-1 no of water tankers.	Total 5 Tankers with capacity of 6,8 & 16 KL utilized for sprinkling of water for dust suppression. (As reported in AR 2021-22).
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		i) The active Waste dump AD-1 slope failure has occurred at North Eastern portion of the lease of approximate height 80 metres and width 120 m. The waste dump material has escaped outside the mine lease area due to the dump sliding. The active waste dump AD-1 has not been properly maintained in stages and secured as per the proposal and provision of Rule 37(2). Violation issued under Rule 11(1) & 37(2) of MCDR 2017.	ii) The number of trees planted during the year within the lease area have not been reported correctly in Part-V-Sec-4.4(i) of AR 2021-22. Violation issued under Rule 45(7) of MCDR 2017

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to Jan-23 on 09.02.2023. A.R. Submitted up to 2021-22 on 30-06-2022.	M.R. Submitted up to Jan-23 on 09.02.2023. A.R. Submitted up to 2021-22 on 30-06-2022.	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	"Mining Engineer: Shri J. Vijaya Narasimhulu, "Geologist: Shri N. Siva Prasad, "Manager Shri Y.V. Ramakrishna Reddy	Appears to be correct.	Shri Y.V. Ramakrishna Reddy appointed as Mining Engineer w.e.f. 06.06.2022.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C) workings - 14.25 Ha, Used for waste Disposal - 13.75 Ha. Occupied by plant, buildings, residential, welfare buildings & Roads - 0.92 Ha Reclaimed/Rehabilitated- 10.89 ha	Part-I: The land use (area in ha) as given in Part-I (12) under 12(iii), i.e., Reclaimed/Rehabilitated have not been reported correctly in accordance with approved land use pattern of FMCP dated 14/10/2021.	Violation issued under Rule 45(7) of MCDR 2017.
9d	Scrutiny of Annual return on afforestation	5435 nos. of saplings within ml area with 82 % survival rate.	The number of trees planted during the year within the lease area have not been reported correctly in Part-V-Sec-4.4(i).	Violation issued under Rule 45(7) of MCDR 2017.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	Appears to be correct.	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM: O/s -0 ton, Production - 8,98,950 tons, C/s - 0 ton Graded Ore O/s- 75095.11 tons Production- 8,98,950 tons Despatch- 9,03,277.1 tons C/s- 70,768 tons. (Includes both lumps & fines)	Appears to be correct.	NIL

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	<p>Sale value & Ex-mine price Lumps-Fe-grade: 62 to 65% Rs. 7444.45 / ton.</p> <p>Sale value & Ex-mine price Fines-Fe-grade: 60 to 62% Rs. 5,589.76/ ton.</p> <p>62 to 65 % Rs. 6354.64/ton</p> <p>Cost of production: Rs. 1909.00/-</p>	<p>Appears to be correct. Part-III: The DMF and NMET amount has not been reported correctly in Part-III (5)(c).</p>	<p>Non-captive mine. Violation issued under Rule 45(7) of MCDR 2017</p>
9h	Scrutiny of Annual return on fixed assets	<p>Rs.48,42,66,58 4/ including Land, industrial and plant and machinery.</p>	<p>Part-V: The details of Exploration have not been reported correctly under Sec 4.1 - Exploration.</p>	<p>Violation issued under Rule 45(7) of MCDR 2017</p>
9k	Scrutiny of Annual return on mining machineries	<p>1. Excavator- 10 nos.- (0.7,1,1.2.1.4, 1.6 & 1.8 Cum).</p> <p>2. Front End loader-7 nos. (1.7 & 2.7 Cum)</p> <p>3. Dumper-19 nos.- (10,16 & 25 tons)</p> <p>4. Drill-1 no. (105 mm)</p> <p>5. Water tanker- 5 nos.- (6,8 & 16 KL)</p>	<p>Appears to be correct.</p>	<p>NIL</p>

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
MCDR17 Rule 11(1)	08/03/2023		Rule 45(7)(i)	08/03/2023	
MCDR17 Rule 12(4)	08/03/2023				
MCDR17 Rule 34(2)	08/03/2023				
MCDR17 Rule 37(2)	08/03/2023				
MCDR17 Rule 48	08/03/2023				
Rule 45(7)(i)	08/03/2023				

Date :

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines