

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

Check up inspection REPORT

Bangalore regional office

Mine file No : KNT/CTD/FE/34/BNG

Mine code : 30KAR07015

- (i) Name of the Inspecting : **J103**) **V. JAYAKRISHNA BABU**
Officer and ID No.
- (ii) Designation : Controller of Mines
- (iii) Accompanying mine : Ranadive N Mine Manager
Official with
Designation
- (iv) Date of Inspection : 11/05/2022
- (v) Prev.inspection date : 12/10/2020

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **JOHN**
- (b) **Registration NO.** : **IBM/167/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : KARNATAKA
- District : CHITRADURGA
- Village : MEGALAHALI
- Taluka : CHITRADURGA
- Post office : SIRIGERE
- Pin Code : 577541
- FAX No. : 080-22440795 (F),
- E-mail : mail@ermgroup.in
- Phone : 080-26655930 (O),944984234.
- (f) Police Station : BARAMASAGARA
- (g) First opening date : 04/02/1977
- (h) Weekly day of rest : SUN
2. Address for : Mr RAMAMURTHY PRAVEEN CHANDRA
correspondance NO 59, 12 th MAIN, BANASHANKARI, Ist STAGE,
BANGALORE-560050
3. (a) Lease Number : KAR1088
- (b) Lease area : 42.6
- (c) Period of lease : 20
- (d) Date of Expiry : 03/02/2017
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : R.PRAVEEN CHANDRA,
NO 59, 12 th MAIN,
BANASHANKARI, Ist STAGE,
BANGALORE-560011 BANGALORE
KARNATAKA
Phone:08194 - 230565, 080 - 26655930
FAX :080 - 22440795

Owner : R.PRAVEEN CHANDRA
NO 59, 12 th MAIN,
BANASHANKARI, Ist STAGE,
BANGALORE-560050 BANGLORE
URBAN KARNATAKA
Phone: 08026655930
FAX : 080224407095

Mining Engineer

Name : DHANANJAYA . G.REDDY,Full Time
Qualification : B.E (MINING), GM MINES
Appointment/ : 01/02/2008
Termination date

Manager

Name : N.RANADIVE
Qualification : DIP MINING,MANAGER'S II ND CCC
Appointment/ : 19/04/2013
Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Existing rule 11 MCDR1988	04/01/1991
		Renewal under rule 22 MCR1960	14/12/1999
		Mining Scheme rule 12 MCDR1988	06/03/2003
		Modif.approved Mining Scheme	28/10/2004
		Modif.approved Mining Scheme	22/08/2006
		Mining Scheme rule 12 MCDR1988	11/05/2007
		Mining Scheme rule 12 MCDR1988	12/09/2012
		Modif.of approved Mining Plan	03/06/2016
		MP review under 17(1) MCR 2016	09/11/2016
		MP review under 17(1) MCR 2016	19/03/2020
		MP review under 17(1) MCR 2016	13/12/2021

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	5 DTH Boreholes with a total depth of 250 m.	5 DTH Boreholes with a total depth of 250 m	Lessee has drilled 64 boreholes with 7688.40 meters
1b	Exploration over lease area for geological axis 1 or 2	Geological axis 1 & 2.	Geological axis 1 & 2.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	--	Karnataka Boreholes Chitradurga	--
1d	Balance area to be explored to bring Geological axis in 1 or 2	Entire Mineralization area explored	Entire Mineralization area explored	Entire Mineralized zone of 20.75 Ha has been explored.
1e	Balance reserve as on 01/04/20	2,80,31,869 Tonnes of Iron ore + 1,22,88,500 Tonnes of Siliceous ore	2,80,31,869 Tonnes of Iron ore + 1,22,88,500 Tonnes of Siliceous ore	Reserve Estimation (Iron Ore +Siliceous ore) re-estimated on 01.04.2021.
1f	General remarks of inspecting officers on geology, exploration etc			Satisfactory.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	1573230-1574020 629650-629950 RL935-876m	1573230-1574020 629650-629950 RL935-876m	Complied
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposals of benches in top soil. Proposals of Separate benches in overburden	Lessee has developed and maintained separate benches in Over Burden. No benches in topsoil as not proposed	Complied

2c	Stripping ratio or ore to OB ratio	1:0.13	1:0.13	Complied
2d	Quantity of topsoil generation in m3	No proposals of generation of top-soil during the reporting year.No proposals of generation of top-soil during the reporting year.	No top soil generated.	Complied
2e	Quantity of overburden generation in m3	110750 Cum	106366 Cum	Complied
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Satisfactory.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No Pits are Proposed	No Pits are Proposed	No Pits are Proposed
3b	Quantity of ROM mineral production proposed	13,99,843tonnes	13,29,970 tonnes	Deviation In Production due to Production Fixed by Monitoring committee was 13,30,000
3c	Recovery of saleable/usable mineral from ROM production	100% of ROM is saleable	100% of ROM is saleable	Complied
3d	Quantity of mineral reject generation	No proposal for generation of mineral reject during the RY.	No Mineral Reject Generated.	Complied
3e	Grade of mineral rejects generation and threshold value declared.	No proposal for generation of Sub-Grade during the RY.	No Sub grade Generated .	Complied

3f	Quantity of sub grade mineral generation.	No proposal for generation of Sub-Grade during the RY.	No Sub grade Generated .	Complied
3g	Grade of sub grade mineral generation	No proposal for generation of mineral reject during the RY.	No Mineral Reject Generated	Complied
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method by Dry Screening and Crushing of RoM.	Mechanised method by using 1 fixed plant of 300 TPH, 3-Mobile screening plant of which 1 is 150 TPH and remaining 2 is 300 TPH.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Proposals of beneficiation studies during the RY.	No Studies carried out during the RY.	Previously during 2014, lessee has carried out studies on Siliceous Ore from IMMT, Bhubaneswar.
3j	Provision of drilling and blasting in mineral benches	Lessee has proposed for Drilling and Blasting	Lessee has carried out Drilling and Blasting during the RY	As per proposal in approved mining plan.
3k	Provision of mining machineries in mineral benches	Excavator-5 No's Wheel Loaders-5 No's Dumper-12 no's Water tanker-6 No's Crusher and Screening Plant-3 No's	Excavator-5 No's Wheel Loaders- 5 No's Dumper-12 no's Water tanker-6 No's Crusher and Screening Plant-3 No's	As per details given in approved mining plan.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes. Proposal of 7 meters height in Ore and Over Burden.	Lessee has maintained 7 meters height in Ore and Overburden	As per details given in approved mining plan.
3m	Total area covered under excavation/pits	20.75 Ha.	20.75 Ha.	As per land use area for mining 20.75 Ha.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.13	1:0.13	Complied

3o	Total area put in use under different heads at the end of year	Mining-20.75 Ha Dumps-9.32 Ha Infrastructure -1.00 Ha Mineral Stock yards-6.29 Ha Mineral Processing Plant-1.86 Ha Green Belt - 1.91 Ha Afforestation-1.00 Ha	Mining-20.75 Ha Dumps-9.32 Ha Infrastructure-1.00 Ha Mineral Stock yards-6.29 Ha Mineral Processing Plant-1.86 Ha Green Belt -1.91 Ha Afforestation-1.00 Ha	
3p	Production of ROM mineral during the last five year period as applicable	2015-16-3,50,000 MT 2016-17-7,50,000 MT 2017-18-7,50,000 MT 2018-19-7,50,000 MT 2019-20-7,50,000 MT 2020-21-14,00,000 MT	2015-16-3,49,974 MT 2016-17-7,49,911 MT 2017-18-7,49,932 MT 2018-19-7,49,938 MT 2019-20-7,49,970 MT 2020-21-13,29,970 MT	Production of RoM as per Proposal.
3q	General remarks of inspecting officers on method of mining etc.			Satisfactory.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal for dumping of Top Soil and Rejects during the RY. Proposal of separate dumping of Over Burden	No dumping of Top Soil and Rejects has been carried out as there was no proposal during RY. Separate dumping of Overburden has been carried out in earmarked area.	None.
4b	Location of topsoil, OB and mineral reject dumps	N-1573464-1573705 E-629991-630129 RL-872-846m	N-1573464-1573705 E-629991-630129 RL-872-846m	Complied

4c	Number of dumps within lease area and outside of lease area	Only one dump within lease area. There are no dumps outside lease area	Only one dump within lease area. There are no dumps outside lease area	Complied
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Active dump is outside the UPL	Active dump is outside the UPL	All protective measures taken for waste dump management as per AMP.
4e	Number of active and alive dumps.	Only one Active Dump AD-1	Only one Active Dump AD-1	--
4f	Number of dead dumps.	Only one In-Active Dump ID-1	Only one In-Active Dump ID-1	--
4g	Number of dumps established.	Inactive Dump ID-1 over an extent of 4.5 ha is stabilized	Inactive Dump ID-1 over an extent of 4.5 ha is stabilized	--
4h	Whether Retaining wall or garland drain all along dumps are there.	YES	YES	Provided as per AMP.
4i	Length of Retaining wall or garland drain all along dumps	190 meters retaining wall for old siliceous ore stock, 210 for inactive dump and 70 m for active dump and 300 meters garland drain for siliceous stock.	162 meters of retaining wall constructed along old siliceous stock and Garland drain construction was not taken up as there was no extension of dump in the area where retaining wall was proposed.	Retaining wall of 682 meters, Garland drain of 667 meters has been constructed at toe of dump.
4j	Number of settling ponds	No Proposal of construction during Ry	No Construction made during Ry	One Settling pond of 45X15X3 meters constructed has been maintained
4k	Specific comments of inspecting officer on waste dump management			Satisfactory.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposal of back filling during the RY	Mining Pit is not matured for back filling as ore is not exhausted	NIL
5b	Area under backfilling of mined out area	No proposal of back filling during the RY	Not carried out during RY.	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal of back filling during the RY	Not carried out during RY.	NIL
5d	Total area fully reclaimed and rehabilitated	No proposal of back filling during the RY	Not carried out during RY.	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No remarks.

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).	Before 31st July of 2021	PMCP report has been submitted on Time.	Complied.
6b	Area available for rehabilitation (ha) .	No proposals for the RY 2020-21	Not applicable.	NIL
6c	afforestation done (ha).	No proposals for the RY 2020-21	Not applicable.	NIL
6d	No. of saplings planted during the year	Afforestation on dumps-1100 No's	Afforestation on dumps-1180 No's	As per Proposal in AMP.
6e	Cumulative no .of plants	No proposals for the RY 2020-21	Not applicable.	NIL

6f	Any other method of rehabilitation	Method of Rehabilitation - BY Plantation	Method of Rehabilitation- BY Plantation	
6g	Cost incurred on watch and care during the year	No proposals for the RY 2020-21	Not applicable.	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposals for the RY 2020-21	Not applicable.	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposals for the RY 2020-21	Not applicable.	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No proposals for the RY 2020-21	Not applicable.	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposals for the RY 2020-21	Not applicable.	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposals for the RY 2020-21	Not applicable.	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Afforestation on dumps-1100 No's	Afforestation on dumps- 1180 No's	As per Proposal in AMP.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposals for the RY 2020-21	Not applicable.	NIL

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Method of Rehabilitation - BY Plantation	Method of Rehabilitation- BY Plantation	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environment Monitoring for AAQM, Fugitive Emissions, Surface, Ground Water Quality, Noise Monitoring proposed in Core and Buffer zone.	Environment Monitoring for AAQM, Fugitive Emissions, Surface, Ground Water Quality, Noise Monitoring proposed in Core and Buffer zone carried out through M/s Metamorphosis NABET approved and NABL accredited laboratory	Monitoring reports verified and monitored results are with in permissible standards as per CPCB
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Satisfactory.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise mineral sorting within lease area	Grade wise Production made during 2020-21 are furnished below Fines Grade Qty in tonnes 58-60 946462 Lumps Grade Qty in tonnes 50-55 8007 55-58 124223 58-60 511 60-62 0 62-65 250767	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised	Mechanised	NIL

7c	Different grade of mineral sorted out at mines.	Fines & Lumps <55% 55-58 % 58-60% 60-62% 62-65%	Fines Grade Qty in tonnes 58-60 946462 Lumps Grade Qty in tonnes 50-55 8007 55-58 124223 58-60 511 60-62 0 62-65 250767	NIL
7d	Any beneficiation process at mines .	Crushing and Screening-by Dry Process	Crushing and Screening-by Dry Process using Fixed Plant and two Mobile screening plants carried out.	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Satisfactory.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal for Removal or utilization of top soil	Mining Area is devoid of top soil.	NIL
8b	Concurrent use or storage of topsoil	No Proposals for the RY	No usage or storage of top soil is carried out for the RY	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed for separate dumps in OB and Ore Stacks. No Proposals for Rejects during the RY.	Separate dump in OB and mineral stocks are maintained as per ear marked area.	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposals	Not Applicable.	NIL

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposals during the Reporting Year	Not Applicable.	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Prior to Mining, the lease area falls under forest with dry Deciduous type -2 forest enriched with Shrubs and Grasses.	Lessee during the Year have planted 1180 Saplings with 70 % Survival rate. Out-side lease area 22565 were planted with 45 % survival rate	
8g	Survival rate	50%	70%	NIL
8h	Water sprinkling on roads to control airborne dust	Dust suppression using water tankers, dry fog dust suppression system.	On Haul roads Static sprinklers have been fixed. 6 water tankers are engaged for water spraying. Mineral processing plant is covered with GI hood cover and dry fog dust suppression systems are installed. Truck mounted fog system is used to mitigate air borne dust pollutants. Use of Geocoir mats on inactive terraces are seen which mitigate air borne dusts.	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			All protective measures as proposed in AMP are being implemented. Satisfactorily.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto April-2022 A.R. submitted upto FY 2020-21	Yes	Submitted.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer-Dhananjaya.G.Reddy. Geologist-Deepak.CA Manager-Ranadive.N	Mining Engineer-Dhananjaya.G. Reddy. Geologist-Deepak.CA Manager-Ranadive.N	Verified and Found correct.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mining Area-20.75 Ha Dumping-9.32 Ha Stocks, roads, Infrastructure -9.15 Ha Others-Afforestation-2.91 Ha	Mining Area-20.75 Ha Dumping-9.32 Ha Stocks, roads, Infrastructure-9.15 Ha Others-Afforestation-2.91 Ha	Verified and Found correct.
9d	Scrutiny of Annual return on afforestation	0.44 Ha is Afforestation done on dump terraces	0.44 Ha is Afforestation done on dump terraces	Verified
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Mineral Reject Generation-Nil	Mineral Reject Generation-Nil	Verified and Found correct.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	RoM Stock-Zero. Closing Stock of Fines 50-55 4000 55-58 40 58-60 117670 60-62 10881 62-65 83 65 0 Total 254384 Lumps 50-55 71787 55-58 112514 58-60 2.000 60-62 1226 62-65 163960 65 0 Total 349489	RoM Stock-Zero. Closing Stock of Fines 50-55 4000 55-58 40 58-60 117670 60-62 10881 62-65 83 65 0 Total 254384 Lumps 50-55 71787 55-58 112514 58-60 2.000 60-62 1226 62-65 163960 65 0 Total 349489	Verified with Production/Dispatch Ledger and found correct.

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Fines Grade Value in ` 58-60 2032.16	Appears to be correct as compared with Market Prices.	Verified and Found correct.
		Lumps Grade Value in ` 50-55 3973.34 55-58 3691.84 58-60 5802.54 62-65 4492.24		
9h	Scrutiny of Annual return on fixed assets	105099212is market value for Fixed assets after depreciation.	Appears to be correct.	NIL
9k	Scrutiny of Annual return on mining machineries	Excavator-5 No's Wheel Loaders- 5 No's Dumper-12 no's Water tanker-6 No's Crusher and Screening Plant-3 No's	Excavator-5 No's Wheel Loaders- 5 No's Dumper-12 no's Water tanker-6 No's Crusher and Screening Plant-3 No's	Verified and Found Correct

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

Date :

(V. JAYAKRISHNA BABU)

Indian Bureau of Mines