

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

Review and updation of Mining Plan REPORT

Bangalore regional office

Mine file No : KNT/BLR/FE/395/BNG

Mine code : 30KAR03104

- (i) Name of the Inspecting : **A101**) **ARUN KUMAR**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : SHANMUKHAPPA MANDAL, QP/ GEOLOGIST
Official with
Designation
- (iv) Date of Inspection : 22/10/2021
- (v) Prev.inspection date : 06/10/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **DHARMAPURI**
- (b) **Registration NO.** : **IBM/178/2011**
- (c) **Category** : **A Other than Fully Mech.**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **KARNATAKA**
- District : **BELLARY**
- Village : **RAMGAD**
- Taluka : **SANDUR**
- Post office : **SANDUR**
- Pin Code : **583119**
- FAX No. : **08395-260676**
- E-mail : **vescosdr@yahoo.com**
- Phone : **08395-260121**
- (f) **Police Station** : **SANDUR**
- (g) **First opening date** : **01/01/1995**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **M/S.VEERABHADRAPPA SANGAPPA & COMPANY**
2-138, BELLARY ROAD,
SANDUR - 583119
3. (a) **Lease Number** : **KAR1204**
- (b) **Lease area** : **51**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **16/02/2021**
4. **Mineral worked** : **IRON ORE** **Main**

5. Name and Address of the

Lessee : VEERABHADRAPPA SANGAPPA & COMPANY
 # 2/138, BELLARY ROAD,
 HOSPET, BELLARY KARNATAKA
 Phone:08395-260120
 FAX :08395-260676

Owner : K.S.Nagaraj, Mang. Partner of M/s VESCO
 VESCO House, 2/138 Ballari
 Road, Sandur BELLARY
 KARNATAKA
 Phone: 08395-260120
 FAX : 08395-260676

Geologist
 Name : ANIL N. L., Full Time
 Qualification : M.Sc (Geology)
 Appointment/ : 01/03/2013
 Termination date

Manager
 Name : Amartaluri V. Rao
 Qualification : Dip. in Mining, Ist FCMM
 Appointment/ : 15/09/2009
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	20/03/1991
Plan/Scheme of Mining		Fresh under rule 22 MCR1960	20/03/1991
		Mining Scheme rule 12 MCDR1988	05/06/1997
		Mining Scheme rule 12 MCDR1988	08/04/2002
		Mining Scheme rule 12 MCDR1988	20/10/2005
		Renewal under rule 24 MCR1960	24/05/2013
		MP modif under MCR 1960	16/09/2015
		MP review under 17(1) MCR 2016	10/11/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposals.	Nil.	56 core boreholes were drilled to a total meterage of 2694m from 1992-93 to 2015-16.
1b	Exploration over lease area for geological axis 1 or 2	G1& G2	G1- 13.85 Ha, G2-1.65 Ha	2.96 ha is non mineralized area.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposals.	Nil.	67.35 lacs spent on exploration in the past.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposals.	Nil.	Nil.
1e	Balance reserve as on 01/04/20	Nil.	8,290,199 MT of Reserves with avg grade of +45 % Fe	As per Annual returns submitted for FY 2020-21.
1f	General remarks of inspecting officers on geology, exploration etc			56 core boreholes were drilled to a total meterage of 2694m from 1992-93 to 2015-16.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N 1666625 to 1666845 E 661865 to 662175	Nil.	No Mining Operations carried out as per direction of supreme court order.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in overburden and mineral proposed.	Nil.	No Mining Operations carried out as per direction of supreme court order.
2c	Stripping ratio or ore to OB ratio	1:0.27	Nil.	No Mining Operations carried out as per direction of supreme court order.

2d	Quantity of topsoil generation in m3	No proposal.	Nil.	Nil.
2e	Quantity of overburden generation in m3	122433 Tons.	Nil.	Bulk Density(t/m3): Ore-2.5,Waste-1.8,BHQ-2.3
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mine operation was stopped since 29.07.2011 as per the Hon'ble supreme court order & is non operational.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 Pit proposed.	Nil.	Approximate dimension of the proposed prodn L- 230m, Width-110m, Depth-22 m
3b	Quantity of ROM mineral production proposed	Proposed 0.46 MT	Nil.	No Mining Operations carried out as per direction of supreme court order.
3c	Recovery of sailable/usable mineral from ROM production	95%	Nil.	No Mining Operations carried out as per direction of supreme court order.
3d	Quantity of mineral reject generation	No Proposal.	Nil.	No Mining Operations carried out as per direction of supreme court order.
3e	Grade of mineral rejects generation and threshold value declared.	No Proposal.	Nil.	No Mining Operations carried out as per direction of supreme court order.
3f	Quantity of sub grade mineral generation.	No Proposal.	Nil	No Mining Operations carried out as per direction of supreme court order.

3g	Grade of sub grade mineral generation	No proposal.	Nil.	No Mining Operations carried out as per direction of supreme court order.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized method proposed for segregating from ROM.	Nil.	No Mining Operations carried out as per direction of supreme court order.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Proposal.	No such study carried out.	No Mining Operations carried out as per direction of supreme court order.
3j	Provision of drilling and blasting in mineral benches	Drilling & blasting proposed in mineral benches.	In the reporting year no drilling blasting carried out as there was no mining operations carried out in the Mining lease.	10% of the total volume proposed for drilling and blasting.
3k	Provision of mining machineries in mineral benches	Hydraulic excavator & tipper combination proposed.	Nil.	No Mining Operations.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height- 7m, Width- 8m	Height- 7m, Width- 8m	No Mining Operations.
3m	Total area covered under excavation/pits	12.55 Ha at the end of plan period.	12.30 ha at the end of reporting year.	No Mining Operations.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.27	Nil.	As on 31.03.2021
3o	Total area put in use under different heads at the end of year	Area in Ha Pit- 12.30 Ha R&R- 0.20 Ha Dump- 4.43 Ha Others- 1.53 Ha	Area in Ha Pit- 12.30 Ha R&R- 0.20 Ha Dump- 4.43 Ha Others- 1.53 Ha	No Mining Operations As per AR submitted for 2020-21

3p	Production of ROM mineral during the last five year period as applicable	2016-17: 4,60,000 2017-18: 4,60,000 2018-19: 4,60,000 2019-20: 4,60,000 2020-21: 4,60,000 (in tonnes)	2016-17: Nil 2017-18: Nil 2018-19: Nil 2019-20: Nil 2020-21: Nil (in tonnes)	No Mining Operations carried out as per direction of supreme court order.
3q	General remarks of inspecting officers on method of mining etc.			Mine operation was stopped since 29.07.2011 as per the Hon'ble supreme court order & is non operational.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping for OB proposed.	Nil.	No Mining Operations carried out.
4b	Location of topsoil, OB and mineral reject dumps	N-1666958-1667254, E-661452-661750	Nil.	No Mining Operations carried out.
4c	Number of dumps within lease area and outside of lease area	WML : 1 dump OML : Nil	WML:1dump OML : Nil	No Mining Operations carried out.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	OB Dump proposed outside the UPL.	NW side 50 m away from UPL.	No Mining Operations carried out.
4e	Number of active and alive dumps.	1	1	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes	

4i	Length of Retaining wall or garland drain all along dumps	No Proposal.	Nil.	Existing Toe wall : 786m GD : 780m Constructed in the past as per R&R & it is maintained.
4j	Number of settling ponds	No Proposal.	Nil.	Existing GCD : 3 Nos. LBCD : 2 Nos. SMCD : 1 No. Silt settling tank : 2 No's. Constructed in the past as per R &R & it is maintained.
4k	Specific comments of inspecting officer on waste dump management			Mine operation was stopped since 29.07.2011 as per the Hon'ble supreme court order & is non operational.

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 proposal.	Nil.	Mineral is not exhausted for backfilling.
5b	Area under backfilling of mined out area	No proposal.	Nil.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal.	Nil.	
5d	Total area fully reclaimed and rehabilitated	No proposal.	Nil.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Mine operation was stopped since 29.07.2011 as per the Hon'ble supreme court order & is non operational.

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).	PMCP report to be submitted by 1st July every year.	Not submitted.	Violation issued.
6b	Area available for rehabilitation (ha) .	No proposal.	Nil.	Nil.
6c	afforestation done (ha).	No proposal.	Nil.	Nil.
6d	No. of saplings planted during the year	500 Seedlings	320 Seedlings 22000 Agave Suckers	Nil.
6e	Cumulative no .of plants	-----		Nil.
6f	Any other method of rehabilitation	No proposal.	Nil.	Nil.
6g	Cost incurred on watch and care during the year	No proposal.	Nil.	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	500 saplings.	22320 saplings with in ML area.	Nil.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.2 Ha	0.2 Ha	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 & Buffer zone.	Season wise environmental monitoring carried out & all the parameters were with in the limits.	Environmental monitoring carried out in Buffer zone by Cosmo Laboratory Ballari.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Mine operation was stopped since 29.07.2011 as per the Hon'ble supreme court order & is non operational.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting proposed in the lease area.	Nil.	Non working.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical sorting proposed.	Nil.	Non working.

7c	Different grade of mineral sorted out at mines.	Lumps: (+10 to Nil. -40) mm Fe-59-62% & Fines: (-10mm) Fe- 58-60%		No Mining Operations.
7d	Any beneficiation process at mines .	Mobile dry crushing (100 TPH) & screening plant (200TPH)	Nil.	No Mining Operations.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Mine operation was stopped since 29.07.2011 as per the Hon'ble supreme court order & is non operational.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal.	Nil.	No Generation of top soil.
8b	Concurrent use or storage of topsoil	No proposal .	Nil.	Nil.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for overburden proposed.	Separate dump of overburden maintained.	Non working Mine.
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)	500 seedlings.	WML: 320 sapling 22000 Agave sucker (For FY-2020-21)	
8g	Survival rate	85 %	80%	As reported.
8h	Water sprinkling on roads to control airborne dust	Water sprinklings on haul roads proposed to control air borne dust.	Non working Mine.	Nil.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around the mine was observed to be satisfactory as lessee had implemented the activities as per R & R Plan.

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 Sept 2021 A.R. Submitted up to 2020-21	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mines Manager: Amartaluri V. Rao Geologist: Satish K. Chougule	Same as mentioned.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 12.30 Ha R&R- 0.20 Ha Dump- 4.43 Ha Others- 1.53 Ha	Appears to be correct.	As per the Annual returns of 2020-21.
9d	Scrutiny of Annual return on afforestation	WML: 320 sapling 22000 Agave sucker	Appears to be correct.	As per the Annual returns of 2020-21.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil.	Nil.	

9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM: Opening Balance- Nil Production: Nil Closing balance- Nil Dump Working: Opening Balance- Nil Closing balance- Nil Lumps: Opening Balance- 32.880 tons (62to 65% Fe) 19.200 tons (+65% Fe) Closing balance- 32.880 tons (62to 65% Fe) 19.200 tons (+65% Fe) Fines: Opening Balance- 2001.70 tonnes (+65% Fe) Closing balance- 2001.70 tonnes (+65% Fe)	Appears to be correct.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value: Nil Ex-mine price: -	Violation issued.
9h	Scrutiny of Annual return on fixed assets	Nil.	Nil. Non working mine.
9k	Scrutiny of Annual return on mining machineries	Nil.	Nil.

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 26(2)	29/10/2021			
MCDR17	Rule 28(1)	29/10/2021			
MCDR17	Rule 45(7)(a)	29/10/2021			

Date :

(ARUN KUMAR)

Indian Bureau of Mines