

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

MCDR inspection REPORT

Bangalore regional office

Mine file No : KNT/BLR/FE/414/BNG/VOL-I

Mine code : 30KAR03138

- (i) Name of the Inspecting : **M003**) **G C MEENA**
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 10/07/2019
- (v) Prev.inspection date : 14/03/2019

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **RAMANMALAI**
- (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. : **NIL**
- E-mail : **vescosdr@yahoo.com,Vescopd(**
- Phone : **9611786655, 08395260183**
- (f) **Police Station** : **SANDUR**
- (g) **First opening date** : **19/08/2002**
- (h) **Weekly day of rest** : **SUN**
2. **Address for** : **VESCO HOUSE 2/138**
correspondance **BALLARI Rd SANDUR**
583119
3. (a) **Lease Number** : **KAR0344**
- (b) **Lease area** : **18.62**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **18/10/2012**
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 : VEERABHADRAPPA SANGAPPA & COMPANY
NO.2/138, BELLARY ROAD,
SANDUR, BELLARY KARNATAKA
Phone:
FAX :

Agent : K S NAGARAJ
VESCO HOUSE 2/138 BALLARI
Rd SANDUR BELLARY
KARNATAKA
Phone: 08395260183
FAX :

Mining Engineer

Name : IMRAN SHAIK,Full Time
Qualification : BE MINING
Appointment/ : 01/03/2013
Termination date

Geologist

Name : S.MANDAL,Full Time
Qualification : M.SC(MINERAL EXPLORATION)
Appointment/ :
Termination date

Manager

Name : NANDAKUMAR H M
Qualification :
Appointment/ : 26/09/2013
Termination date

6. Date of approval of Mining :
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposals	No proposals	
1b	Exploration over lease area for geological axis 1 or 2	G1+G2= 42.59 Ha.	G1+G2= 42.59 Ha.	Exploration conducted till 2014
1c	Exploration Agencies and Expenditure in lakh rupees during the year	--	--	
1d	Balance area to be explored to bring Geological axis in 1 or 2	--	--	7.61Ha of non mineralized area used for dumping
1e	Balance reserve as on 01/04/20			G1-32618477, G2-3869389.
1f	General remarks of inspecting officers on geology, exploration etc			

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N-1668870-1669540, E-659318-659700	N-1668870-1669540, E-659318-659700	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	OB-2 benches MB-11 benches	OB-2 benches MB-11 benches	
2c	Stripping ratio or ore to OB ratio	1:0.34	1:0.33	
2d	Quantity of topsoil generation in m3	NIL	NIL	Generated small quantity utilized for plantation
2e	Quantity of overburden generation in m3	150817	147500	

2f General remarks of inspecting officers on development of pit w.r.t. type of deposit etc

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	L- 684 mts, W- 160mts, H-43 mts
3b	Quantity of ROM mineral production proposed	1.1 MT	1.1 MT	
3c	Recovery of sailable/usable mineral from ROM production	95%	96%	
3d	Quantity of mineral reject generation	--	--	16130 tons BHQ of +35 to -45% Fe is considered as mineral rejects
3e	Grade of mineral rejects generation and threshold value declared.	+35 to -45% Fe	+35 to -45% Fe	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	NIL	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	
3j	Provision of drilling and blasting in mineral benches	Top 2 benches RL978-964 mts	Top 2 benches RL978-964 mts	

3k	Provision of mining machineries in mineral benches	YES	YES
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES Hight- 7 to 7.5m, Width- 8m	YES Hight- 7 to 7.5m, Width- 8m
3m	Total area covered under excavation/pits	27.56	27.56
3n	Ore to OB ratio for the pit/mine during the year.	1:0.34	1:0.33
3o	Total area put in use under different heads at the end of year	Pit- 27.56 Ha Dump- 5.66 Ha Buildings- 1.270 Ha Others-18.67 Ha	Pit- 27.56 Ha Dump- 5.66 Ha Buildings- 1.270 Ha Others-18.67 Ha
3p	Production of ROM mineral during the last five year period as applicable	2014-15: 0.59MT 2015-16: 0.59MT 2016-17: 1.10MT 2017-18: 1.10MT 2018-19: 1.10MT	2014-15: 0.588MT 2015-16: 0.588MT 2016-17: 0.844MT 2017-18: 1.10MT 2018-19: 1.10MT
3q	General remarks of inspecting officers on method of mining etc.		

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	YES	YES	
4b	Location of topsoil, OB and mineral reject dumps	N-1668650-1669050, E-659550-659905	N-1668650-1669050, E-659550-659905	

4c	Number of dumps within lease area and outside of lease area	1 WML	1 WML	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Southwestern side 200 m away from UPL	Southwestern side 200 m away from UPL	
4e	Number of active and alive dumps.	1	1	
4f	Number of dead dumps.	0	0	
4g	Number of dumps established.	0	0	
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	Yes RW-75 m	Yes RW-30 m	Till date RW-1118m, GD-387m.
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management			

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	NA	NA	
5b	Area under backfilling of mined out area	NA	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	

5d	Total area fully reclaimed and rehabilitated	NA	NA
5e	General remarks of inspecting officers on backfilling and reclamation etc.		

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).	YES	YES	Submitted on 31.08.2018
6b	Area available for rehabilitation (ha) .	NIL	NA	
6c	afforestation done (ha).	NIL	NA	
6d	No. of saplings planted during the year	NIL	NA	
6e	Cumulative no .of plants	NIL	NA	
6f	Any other method of rehabilitation	NA	NA	
6g	Cost incurred on watch and care during the year	NA	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NA	NA	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NA	NA
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NIL	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Air-(So2-19.0, No2-17.0 mg/cum) Water- (TDS-130 mg/l) Soil- (PH-6.98)	Air-(So2-19.0 No2-17.0 mg/cum) Water- (TDS-130 mg/l) Soil- (PH-6.98)
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	YES	YES	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines.	+10mm to -40mm Fe-60-64% Fe, -10mm Fe- 58-63%	+10mm to -40mm Fe-60-64.5% Fe, -10mm Fe- 58-63.5%	
7d	Any beneficiation process at mines .	Dry process by mobile crusher & screening plant	Dry process by mobile crusher & screening plant	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	--	--	
8b	Concurrent use or storage of topsoil	--	--	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	500	500 seedlings 26000 Agava Suckers	
8g	Survival rate	85 %	80 %	
8h	Water sprinkling on roads to control airborne dust	YES	YES	Water sprinklers are installed around 1.4 Kms haulage road in mine head, In addition to this spraying of water from water tanker.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to June 2019 A.R. Submitted up to 2018-19		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	YES		

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 27.56 Ha Dump- 5.66 Ha Buildings- 1.270 Ha Others-18.67 Ha	
9d	Scrutiny of Annual return on afforestation	500 seedlings proposed, 500seedlings & 26000 Agava planted	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	--	-- 16130 tons BHQ of +35 to -45% Fe is considered as mineral rejects
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Verified stock positions in the field	Fines Fe- 58-63% Lumps Fe-60-64%
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value- lumps -3314.06 Rs/tonn, Fines -2571.68 Rs/ tonn Ex,mine price- lumps -3338.7 Rs/ tonn, Fines -2085.75 Rs/ tonn Production cost-641.60 Rs/ tonn	As per the annual returns of 2018-19
9h	Scrutiny of Annual return on fixed assets	227.475 Lac	As per the annual returns of 2018-19
9k	Scrutiny of Annual return on mining machineries	YES FOUND ACCORDING TO AR	

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)	31/07/2019	27/09/2019				

Date :

(G C MEENA)

Indian Bureau of Mines