

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

**Inspection under SDF for star rating of mines REPORT**

**Bangalore regional office**

**Mine file No :** KNT/BLR/FE/408/BNG

**Mine code :** 30KAR03101

- (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 : 25/09/2019
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **RAMANADURGA**
- (b) **Registration NO.** : **IBM/11807/2012**
- (c) **Category** : **A Fully Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**  
**State** : **KARNATAKA**  
**District** : **BELLARY**  
**Village** : **DHARMAPURA**  
**Taluka** : **SANDUR**  
**Post office** : **SANDUR**  
**Pin Code** :  
**FAX No.** : **08392-266767 (F),**  
**E-mail** : **kumnex@rediffmail.com**  
**Phone** : **08392-267484 (O), 94498419**
- (f) **Police Station** : **SANDUR**
- (g) **First opening date** : **17/03/1990**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **Sri Kumaraswamy Mineral Exports Pvt Ltd**  
**No.39B, 2nd Main, Paravathi Nagar,**  
**BELLARY- 583102**
3. (a) **Lease Number** : **KAR0329**
- (b) **Lease area** : **82.55**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **23/01/2012**
4. **Mineral worked** : **IRON ORE** **Main**

## 5. Name and Address of the

Lessee : SRI KUMARASWAMY MINERAL EXPORTS  
 2 ND CROSS, LINK ROAD,  
 PARVATI NAGAR, BELLARY  
 KARNATAKA  
 Phone:08392-79484  
 FAX :

Owner : SRI KUMARASWAMY MINERAL EXPORTS  
 GURUKRUPA NILAYA, NEHRU  
 COLONY, BELLARY. BELLARY  
 KARNATAKA  
 Phone:  
 FAX :

Agent : S.VIJAYAKUMAR  
 BELLARY KARNATAKA  
 Phone:  
 FAX :

## Geologist

Name : SHANMUKHAPPA MANDAL, Full Time  
 Qualification : MSc GEOLOGY  
 Appointment/ :  
 Termination date

## Manager

Name : BHARATH KUMAR.R.S  
 Qualification : D.MIN.ENGG WITH F.C.C  
 Appointment/ : 07/07/2004  
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	07/03/1990
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	13/05/1999
	:	Mining Scheme rule 12 MCDR1988	06/06/2003
	:	Modif.approved Mining Scheme	18/04/2006
	:	Modif.of approved Mining Plan	17/08/2009
	:	Renewal under rule 24 MCR1960	18/09/2012
	:	MP review under 17(1) MCR 2016	08/03/2017
	:	MP modif under 17(3) MCR 2016	19/02/2018
	:	MP review under 17(1) MCR 2016	23/08/2018
	:	MP modif under 17(3) MCR 2016	26/02/2019

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	6 core bore holes	6 core bore holes	
1b	Exploration over lease area for geological axis 1 or 2	G1-42.46 Ha G2-0.9792Ha G3-0Ha	G1-42.46 Ha G2-0.9792Ha G3-0Ha	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	--	M/s. Sri Kumaraswamy Mineral Exports Pvt.Ltd. No.462, SMIORE colony, Near Fire Station, SANDUR-583119. Phone No.9972099069 Expenditure- Rs.55.88Lakhs.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	
1e	Balance reserve as on 01/04/20	--	57.81 Million Tons	
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 1666520 to N1667220 E661790 to E662480	N 1666515 TO N1667133 E661842 TO E662432	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top Soil-0 Overburden-2 Mineral-9	Top Soil-0 Overburden-2 Mineral-9	
2c	Stripping ratio or ore to OB ratio	1:0.265	1:0.164	In Tonnes

2d	Quantity of topsoil generation in m3	--	--
2e	Quantity of overburden generation in m3	1,55,950	1,10,695
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	
3b	Quantity of ROM mineral production proposed	1480000 Tonnes	1480000 Tonnes	
3c	Recovery of sailable/usable mineral from ROM production	1480000 Tonnes	1480000 Tonnes	
3d	Quantity of mineral reject generation	--	--	
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	--	
3f	Quantity of sub grade mineral generation.	Not Applicable	--	
3g	Grade of sub grade mineral generation	Not Applicable	--	

3h	Manual / Mechanised method adopted for segregating from ROM	Fully Mechanized	Fully Mechanized	The Method of working is opencast Mechanized method. Excavation by Excavators, Drilling & Blasting, Loading of Ore & Waste and Crushing & Screening by mechanically.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	
3j	Provision of drilling and blasting in mineral benches	Proposed in Hard Strata. Spacing & Burden is 3.0m & 3.5m	Hard Strata. Spacing & Burden is 3.0m & 3.5m	
3k	Provision of mining machineries in mineral benches	WAGON DRILL -1 COMPRESSOR-1 EXCAVATORS-6 WHEEL LOADERS-3 DUMPERS-22 EXTEC SCREENS-4 CRUSHERS-3 WATER TANKERS-7	WAGON DRILL -1 COMPRESSOR-1 EXCAVATORS-6 WHEEL LOADERS-3 DUMPERS-22 EXTEC SCREENS-4 CRUSHERS-3 WATER TANKERS-7	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	OB-7.5 M Mineral- 7.5M	OB-7.5 M Mineral- 7.5M	
3m	Total area covered under excavation/pits	33.88	33.88	Includes Mineral storage area
3n	Ore to OB ratio for the pit/mine during the year.	1:0.265	1:0.164	In Tonnes

3o	Total area put in use under different heads at the end of year	(i) Already exploited & abandoned by opencast (O/C) mining 0.00 (ii) Covered under current (O/C) Workings 34.9736 (iii) Reclaimed/Rehabilitated 0.00 (iv) Used for waste disposal 2.028 (v) Occupied by plant, buildings, residential, welfare buildings & roads 3.3361 (vi) Other Purpose (Area for Sub-grade stack, Protective Measure, Bunds, Inactive dump stabilized with plantation, Safety) 15.4989 (vii) Work done under progressive mine closure plan during the year 0.000 59.36	(i) Already exploited & abandoned by opencast (O/C) mining 0.000 (ii) Covered under current (O/C) Workings 33.883 (iii) Reclaimed/Rehabilitated 0.000 (iv) Used for waste disposal 2.028 (v) Occupied by plant, buildings, residential, welfare buildings & roads 3.673 (vi) Other Purpose (Area for Sub-grade stack, Protective Measure, Bunds, Inactive dump stabilized with plantation, Safety) 19.776 (vii) Work done under progressive mine closure plan during 0 TOTAL 59.36
3p	Production of ROM mineral during the last five year period as applicable	2014-15: 640000 2015-16: 640000 2016-17: 640000 2017-18: 640000 2018-19: 1480000 ( in tonnes)	2014-15: 0 2015-16: 0 2016-17: 0 2017-18: 426000 2018-19: 1480000 ( in tonnes)

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)	Top soil -Nil Mineral Rejects-Nil	--	
4b	Location of topsoil, OB and mineral reject dumps	WASTE DUMP N 1666980 to N 1667200 E 662100 to E 662300	N 1666976 to N 1667184 E 662172 to E 662285	
4c	Number of dumps within lease area and outside of lease area	2 No's -Within the Lease area	2 No's -Within the Lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dump-1 N1667450 to N1667600 E661820 to E662000 Dump-2 N1667660 to N1667830 E661300 to E661500	Dump-1 N1667450 to N1667600 E661820 to E662000 Dump-2 N1667660 to N1667830 E661300 to E661500	
4e	Number of active and alive dumps.	1 NO	1 NO	
4f	Number of dead dumps.	--	--	
4g	Number of dumps established.	--	--	
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	
4j	Number of settling ponds	No Proposal	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.	Not Proposed	---	
5b	Area under backfilling of mined out area	Not Proposed	---	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not Proposed	--	
5d	Total area fully reclaimed and rehabilitated	Not Proposed	--	
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 13.09.2019	
6b	Area available for rehabilitation (ha) .	--	--	
6c	afforestation done (ha).	--	--	



6d	No. of saplings planted during the year	1000	1140
6e	Cumulative no .of plants	--	584185
6f	Any other method of rehabilitation	--	--
6g	Cost incurred on watch and care during the year	--	--
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Not Applicable	Not Applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	--	--
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	--	--
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	--	--
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	--	--
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	--	--

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	--	--	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	--	--	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Buffer Zone and Core Zone	Ambient air quality done and submitted to respective departments regularly.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			

---

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	1480000 (including all types of Lumps and fines with different grades)	1480000 (including all types of Lumps and fines with different grades)	ROM Mineral dispatched after dry screening
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanized	Mechanized	
7c	Different grade of mineral sorted out at mines.	Yes	Yes	Grade wise sorting done as per buyer requirement
7d	Any beneficiation process at mines	Mobile Dry screening plant	Mobile Dry 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)	NA	NA	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	WASTE DUMP N 1666980 to N 1667200 E 662100 to E 662300	N 1666976 to N 1667184 E 662172 to E 662285	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation proposed in safety Zone & dumps slopes gap filling area	Plantation was done in safety Zone & dumps slopes gap filling area & maintained regularly.	
8g	Survival rate	80%	80%	

8h	Water sprinkling on roads to control airborne dust	Water sprinkling is proposed for Dust separation	Water Tankers are arranged for water sprinkling on roads for control the dust.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		

---

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 March 2019 A.R. Submitted up to 2018-2019		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mines Manager- P.Manjunath Mining Engineer - Nishant B N Geologist- Ambarish Volvoikar		

- 9c Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. (i)Already exploited & abandoned by(O/C)mining- 0.0 ha, (ii)Covered under current (O/C) Workings- 33.883 ha, (iii) Reclaimed/Rehabilitated- 0.00 ha, (iv) used for waste disposal- 2.028 ha, (v)Occupied by plant, buildings, residential, welfare buildings & roads-3.673 ha. (vi) Other Purpose (Area for Sub-grade stack, Protective Measures, Bunds, In active dump Stabilized with plantation, Safe)-19.776 Ha.
- 9d Scrutiny of Annual return on afforestation Total No of saplings-1140 No's Survival Rate- 80%
- 9e Scrutiny of Annual return on mineral reject generation (Grade and quantity) NIL

9f	Scrutiny of Annual return on ROM stock and/or graded ore	GRADEORE STOCKS (in tons) (i)LUMPS: Below 55%- 5,72,817.561 55% to below 58%- 25,690.14 58% to below 60%- 28,000.02 60% to below 62%- 27,985.14 62% to below 65%- 37,825.85 65% and above- 12,121.16 (ii)FINES: Below 55%- 63,456.090 55% to below 58%- 32,000.050 58% to below 60%- 28,000.020 60% to below 62%- 40,042.470 62% to below 65%- 43,499.340 65% and above- 59,906.280	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	AVERAGE SALE VALUE- Rs. 2465 COST OF PRODUCTION-	
9h	Scrutiny of Annual return on fixed assets	4,77,03,660	
9k	Scrutiny of Annual return on mining machineries	--	WAGON DRILL -1 COMPRESSOR-1 EXCAVATORS-18 WHEEL LOADERS-13 DUMPERS-22 TIPPERS-1 EXTEC SCREENS-4 CRUCHERS-3 WATER TANKERS-7

---

**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

**Date :**

**(G C MEENA)**

Indian Bureau of Mines