

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

**MCDR INSPECTION REPORT**

**Bangalore regional office**

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

**Mine code :** 30KAR03101

- (i) Name of the Inspecting : **A101** ) **ARUN KUMAR**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : P.Manjunath, Mines Manager,  
Official with  
Designation
- (iv) Date of Inspection : 05/12/2017
- (v) Prev.inspection date : 28/02/2011

**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 : Sri Kumaraswamy Mineral Exports Pvt Ltd  
correspondance : 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

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	42 Core Bore Holes	Nil	Mining operations were suspended by SC from July-2011. Mining operations are not started during the period 2016-17
1b	Exploration over lease area for geological axis 1 or 2	G1-0.30 ha G2-5.45 ha G3-26.72 ha	G1-0.30 ha G2-5.45 ha G3-26.72 ha	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	nil	nil	74 Holes are Proposed in Present Approved Mining Plan to prove Geological axis 1. Core Drilling already started from 16.10.2017
1e	Balance reserve as on 01/04/20	Nil	Under 111- 294909 Tons, Under 122-7637619 Tons as on 01.04.2017	-
1f	General remarks of inspecting officers on geology, exploration etc			No exploration was carried out, as the Mining operations were suspended by SC from July-2011. Mining operations were not started during the period 2016-17 as well. 74 Holes are Proposed in Present Approved Mining Plan to prove Geological axis 1. Core Drilling started from 16.10.2017.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Sections: L-L' to O- 0',N1666788-1666912,E662095-662250	Nil	Mining operations are suspended by SC from July-2011. Mining operations are not started during the period 2016-17
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Mineral - 5 Benches	Nil	-
2c	Stripping ratio or ore to OB ratio	1:0.13	Nil	-
2d	Quantity of topsoil generation in m3	No proposal	Nil	No generation of Top Soil.
2e	Quantity of overburden generation in m3	142976 MT	Nil	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			No development work was carried out in the mine due to the suspension of mining operations by the SC from July 2011.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Pit Size- 900x140x67m Working R.L - 945.5m to 912.5m, Length of the advancement- 223m, Area-2.51 ha.	Nil	Mining operations are suspended by SC from July-2011. Mining operations are not started during the period 2016-17
3b	Quantity of ROM mineral production proposed	640000 MT	Nil	-
3c	Recovery of sailable/usable mineral from ROM production	640000 MT	Nil	-

3d	Quantity of mineral reject generation	142976 MT	Nil	-
3e	Grade of mineral rejects generation and threshold value declared.	35% Fe & Threshold value -45% Fe	Nil	-
3f	Quantity of sub grade mineral generation.	No proposal	Nil	-
3g	Grade of sub grade mineral generation	Nil	Nil	-
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Nil	-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Nil	-
3j	Provision of drilling and blasting in mineral benches	Proposed in Hard Strata. Spacing & Burden is 3.0m & 2.5m	Nil	-
3k	Provision of mining machineries in mineral benches	Yes, Provision of Mining Machaneries made	Nil	-
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	Nil	-
3m	Total area covered under excavation/pits	2.51 Ha	Nil	-
3n	Ore to OB ratio for the pit/mine during the year.	1:0.13	Nil	-
3o	Total area put in use under different heads at the end of year	47.696 Ha	Nil	-

3p	Production of ROM mineral during the last five year period as applicable	2011-12: 1998365 2012-13: 640000 2013-14: 640000 2015-16: 640000 2016-17: 640000 ( in tonnes)	2011-12: 263356 2012-13: 0 2013-14: 0 2015-16: 0 2016-17: 0 ( in tonnes)	Mining operations are suspended by SC from July-2011. Mining operations are not started during the period 2016-17.
3q	General remarks of inspecting officers on method of mining etc.			No Exploitation of ore was done in the mine due to the suspension of mining operations by the SC from July 2011.

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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 of proposed	Nil	-
4b	Location of topsoil, OB and mineral reject dumps	Waste Dumps N1667436-1667568 E661900-662037	Nil	-
4c	Number of dumps within lease area and outside of lease area	2 No's -Within the Lease area	Nil	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Active Waste Dump N1666970 to N1667095 E662180 to E662304 In Active Waste Dump N1667390 to N1667658 E662055 to E661835	Nil	-
4e	Number of active and alive dumps.	1 No.	Nil	-
4f	Number of dead dumps.	1 No.	Nil	-

4g	Number of dumps established.	1 No.	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	RW-443 mtrs. Garland drains-Nil	Nil	Rock Wall Completed all along the Lease and Dumps -2799 M, Drains are Completed all along the Dumps-3405 M
4j	Number of settling ponds	No Proposal	Nil	Constructed 10 No's as on date
4k	Specific comments of inspecting officer on waste dump management			No development work & waste dumping was carried out in the mine due to the suspension of mining operations by the SC from July

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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 proposal	Nil	-
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	-

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5e	General remarks of inspecting officers on backfilling and reclamation etc.	There was no proposal of back filling. The mine operation was suspended by the SC from July 2011.
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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).	Nil	Not Submitted	Violation issued
6b	Area available for rehabilitation (ha) .	Not proposed	Nil	-
6c	afforestation done (ha).	No proposal	2.49 Ha -Safety Zone, In active Dump-1.54 Ha	Plantation done
6d	No. of saplings planted during the year	No proposal	490- Within the Lease & 490 Out of the Lease	-
6e	Cumulative no .of plants	No proposal	28505	-
6f	Any other method of rehabilitation	No proposal	Nil	-
6g	Cost incurred on watch and care during the year	No proposal	Rs. 18,75,000 (for 2016-17)	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal	Nil	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Nil	-



6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal	Nil	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil	-
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal	Nil	-
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal	Nil	-
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposal	Nil	-
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal	Nil	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Buffer Zone: I Dharmapur Village II Yeshwanthapur III Sushilnagar	Ambient air quality done	-
		Core Zone: Drilling & Loading Dumping Haulage		

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Mining operations were suspended by SC from July-2011; however plantations were done on the inactive dump and environmental monitoring was done in the buffer zone.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Proposed	NA	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanized	Nil	-
7c	Different grade of mineral sorted out at mines.	Nil	Nil	-
7d	Any beneficiation process at mines	No proposal	Nil	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Mining operations were suspended by SC from July-2011 and mine was not working in the year 2016-2017.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not applicable	Nil	-
8b	Concurrent use or storage of topsoil	No proposal	Nil	-

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8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate OB dump proposed	Nil	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation proposed in safety Zone, Gap fillings & OB dumps	Plantation was done in safety Zone, Gap fillings & OB dumps slops (in active dump) & slops maintained regularly.	-
8g	Survival rate	80%	80%	-
8h	Water sprinkling on roads to control airborne dust	Proposed	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			Mining operations were suspended by SC from July-2011 and mine was not working in the year 2016-2017. The greenery in & around the mine and in the dumps is maintained.

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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 October 2017 A.R. Submitted up to 2016-17.	AR submitted on 21.1.2017.	-

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mines Manager- P.Manjunath Mining Engineer -Nil Geologist- Nil	Information on Mining Engineer & Mining Geologist not furnished	Mining Engineer Appointed on: 07.09.2017 with no experience. Violation pointed out. Geologist Appointed on: 23.10.2017.
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- 34.986 ha, (iii) Reclaimed/Rehabilitated- 4.676 ha, (iv) used for waste disposal- 3.020 ha, (v)Occupied by plant, buildings, residential, welfare buildings & roads-5.562 ha.	Appeared to be correct	
9d	Scrutiny of Annual return on afforestation	286- Within the Lease & 490- Out of the Lease Survival Rate- 80%	Appeared to be correct	
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	Graded Ore Stocks: in tons (i)Lumps: 55% to 58%- 93835.311, 60% to 62%- 15969.00, (ii)Fines: 60% to 62%-10, 62% to 65%- 402. Total Stocks - 112246.311.	Appeared to be correct	Mining operations are started on 28.08.2017.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Average Sale Value- Rs.1329.74. Cost of Production-Nil Ex- Mine Price-Nil	-	Mining operations are suspended by SC from July-2011. Mining operations are not started during the period 2016-17
9h	Scrutiny of Annual return on fixed assets	Rs.32587838	Appeared to be correct	
9k	Scrutiny of Annual return on mining machineries	Wagon Drill-02 No's, Drills-02 No's, Jack Hammer-04 No's Excavators-12 No's, Wheel Loaders- 09 No's, Dumpers-19 No's, Tipper-02 No's, Extec Screens- 07 No's, Crushers-1 No. Watwe Tankers- 04 No,s	Appeared to be correct	

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**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 29	27/12/2017				
Rule 46	27/12/2017				
MCDR17 Rule 55(1)(3)	27/12/2017				

**Date :**

**(ARUN KUMAR)**

Indian Bureau of Mines