

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

**MCDR inspection REPORT**

**Bangalore regional office**

**Mine file No :** KNT/CTD/LST/19/BNG

**Mine code :** 38KAR07025

- (i) Name of the Inspecting : 130 ) PRASHANT S HEGDE  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri Praveen Kulkarni, Geologist & other mine officia  
Official with  
Designation
- (iv) Date of Inspection : 08/12/2017
- (v) Prev.inspection date : 07/05/2016

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : D.B. KERE(M.L.1848/2367)
- (b) **Registration NO.** : IBM/638/2011
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : CHITRADURGA
- Village : DODDABYALADAKERE
- Taluka : HOSADURGA
- Post office : MATHODU
- Pin Code :
- FAX No. : 08199-240314
- E-mail : mathod\_mines@ramcocements.co
- Phone : 08199-240111/112
- (f) **Police Station** : SRIRAMPUR
- (g) **First opening date** : 09/08/1981
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : The Ramco Cements Limited,  
Method works, Hosadurga Taluk,  
Chitradurga Dist, Karnataka-577533
3. (a) **Lease Number** : KAR1235
- (b) **Lease area** : 48.56
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 22/10/2002
4. **Mineral worked** : LIMESTONE Main

## 5. Name and Address of the

Lessee : THE RAMCO CEMENTS LIMITED  
 "Auras Corporate Centre",  
 Dr. Radhakrishna Salai,  
 Mylapore, CHENNAI CITY  
 TAMIL NADU  
 Phone:044-28478666  
 FAX :+91 4428478676

Owner : P.R.Venketrama Raja  
 The Ramco Cements Limited,  
 "Auras Corporate Centre",  
 Dr. Radhakrishna Salai,  
 Mylapore, CHENNAI CITY  
 TAMIL NADU  
 Phone: 044-28478666.  
 FAX : +91 4428478676

Agent : Ajit Kumar Paul  
 The Ramco Cements Limited  
 Method works, Hosadurga  
 Taluk, CHITRADURGA  
 KARNATAKA  
 Phone: 08199-240111/112  
 FAX : 08199-240314

Manager  
 Name : SRI NAMA NAGAMALLESWAR RAO  
 Qualification : Diploma in Mining Engg,First Class Mines  
 Appointment/ : 01/07/2015  
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	07/03/2002
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	25/05/2007
		Mining Scheme rule 12 MCDR1988	25/06/2013

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	Nil
1b	Exploration over lease area for geological axis 1 or 2	NIL	Geological Axis - 1 5.78Ha	NIL
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Nil	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Entire mineralized area covered under G-1 level of exploration.	Nil
1e	Balance reserve as on 01/04/20	-----	3.22 million tonnes	Cement grade (CaO 35 to 46 % & MgO 5 % Max.) Based on approved RMP dated 19/10/16
1f	General remarks of inspecting officers on geology, exploration etc	-----	-----	14 nos of core boreholes with 887.5 total meterage were drilled so far to cover Entire mineralized area under G-1

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N 148 - N 350 E 855 - E 1204 (South-eastern side pit)	Same location with lesser quantity.	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Overburden - North- 2 benches South- 2 benches Mineral-2 benches Top Soil-NIL	Overburden - North- 2 benches Mineral-2 benches Top Soil-NIL	NIL
2c	Stripping ratio or ore to OB ratio	1 : 1.20	1:0.78	NIL

2d	Quantity of topsoil generation in m3	Nil	Nil	Nil
2e	Quantity of overburden generation in m3	47,760	1257	BD of 2.5 considered
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-----	-----	Mine was under temp. discontinuance w.e.f. 10/7/17 due to operation becomes un-economic and lack of demand. No production reported during year 2017-18 (upto date of inspection).

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 (South-eastern side pit)	1 (South-eastern side pit) Existing pit dimension is 170mX 90m x 25m	NIL
3b	Quantity of ROM mineral production proposed	99,989	4,002 tonnes	Nil
3c	Recovery of sailable/usable mineral from ROM production	70%	70%	Nil
3d	Quantity of mineral reject generation	NIL	NIL	Materials above threshold value are being utilized.
3e	Grade of mineral rejects generation and threshold value declared.	No Proposal	N.A	Materials above threshold value are being utilized.
3f	Quantity of sub grade mineral generation.	No Proposal	N.A	Nil
3g	Grade of sub grade mineral generation	No Proposal	N.A	Nil

3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised - Crushing	Mechanised -Crushing	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposals	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	Conventional Drilling & blasting has been proposed	Conventional Drilling & blasting has been carried out.	Nil
3k	Provision of mining machineries in mineral benches	Open-cast mechanised mining method with heavy machineries Viz. excavators, Dumpers/tippers	The machineries were deployed as proposed in SOM	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height - 6Mts Width - More than height of benches.	Height - 5 - 6Mts Width - More than 6mts	NIL
3m	Total area covered under excavation/pits	6.596HA	1.54HA	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1 : 1.20	1:0.78	Nil
3o	Total area put in use under different heads at the end of year	Pit - 6.596HA Dump - 3.10HA Green belt - 3.602HA Infrastructure - 0.30HA Road - 1.20HA	Pit - 1.54HA Dump - 1.01HA Green belt -0.34HA Infrastructure -0.03HA Road -1.20HA	NIL
3p	Production of ROM mineral during the last five year period as applicable	2012-13 : 0 2013-14 : 92,949 2014-15 : 99,658 2015-16 : 100,000 2016-17: 99,989	2012-13 : 0 2013-14 : 0 2014-15 :26,250 2015-16 : 17,900 2016-17: 4,002	Unit: In tonnes

3q	General remarks of inspecting officers on method of mining etc.	-----	-----	Mine was under temp. discontinuance w.e.f. 10/7/17 due to operation becomes un-economic and lack of demand. No production reported during year 2017-18 (upto date of inspection).
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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)	Dumping is proposed for OB only. No proposal for top soil & mineral reject. Nil generation top soil & mineral reject.	Dumping has been done for OB only.	Nil
4b	Location of topsoil, OB and mineral reject dumps	Western side of ML	Dumping as per proposals	Nil
4c	Number of dumps within lease area and outside of lease area	Within Lease Area - 3 Outside Lease Area-Nil	Within Lease Area-3 Outside Lease Area-Nil	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside Ultimate Pit Limit	Outside Pit Limit	Ultimate NIL
4e	Number of active and alive dumps.	03	03	Nil
4f	Number of dead dumps.	Nil	Nil	Nil
4g	Number of dumps established.	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Maintenance	Temporary Bund has been constructed all along the toe of the waste dump.	NIL

4i	Length of Retaining wall or garland drain all along dumps	Nil	Temporary Bund has been constructed all along the toe of the waste dump.	NIL
4j	Number of settling ponds	Nil	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	-----	-----	Mine was under temp. discontinuance w.e.f. 10/7/17 due to operation becomes un-economic and lack of demand. Total area covered by the dumps was about 1 Ha and the management as per the proposals.

#### 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 of backfilling as pits not matured for back-filling	Nil	Nil
5b	Area under backfilling of mined out area	No Proposal	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No Proposal	Nil	Nil
5d	Total area fully reclaimed and rehabilitated	No Proposal	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-----	-----	Existing pits are not matured for back-filling at present.

#### Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	The Annual Report on PMCP to be submitted within the stipulated time for FY 2016-17 within 1st July 2017	Yearly Report in accordance with Rule 23 E (2) is submitted on 05.07.2017	NIL
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL
6c	afforestation done (ha).	NIL	NIL	NIL
6d	No. of saplings planted during the year	NIL	NIL	NIL
6e	Cumulative no .of plants	NIL	NIL	NIL
6f	Any other method of rehabilitation	Maintenance of retaining , garland drains and settling ponds at toe of dumps	Maintenance as per proposals	NIL
6g	Cost incurred on watch and care during the year	Rs 1,05,000	Rs 10,000	Lesser quantity of Production and development achieved.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No Proposal	Nil as pit not matured for Backfilling	Backfilling is proposed at conceptual stage
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	NIL	NIL	NIL

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NIL	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	2125 nos of saplings	200 nos of saplings	V/L issued on 28/12/17
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.85Ha	0.20Ha	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Afforestation	Afforestation	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Season-wise Environmental monitoring proposed	Season-wise Environmental monitoring were carried out and parameters are within the permissible limit.	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-----	-----	Mined out pit is not matured for back-filling. There was proposal of back-filling of wastes during conceptual period. About cumulative of 6000 nos of saplings were planted 4 Ha within ML.

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**Mineral Conservation:**


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Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM proposed to be crushed at crusher near Plant premise of 100TPH capacity	ROM is being crushed at crusher of 100 TPH capacity located at plant premise about 28 kms from the mine.	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised Crushing with output size of -25 to +10 mm	Mechanised Crushing with output size of -25 to +10 mm	NIL
7c	Different grade of mineral sorted out at mines.	The low grade and high grade limestone will be blended	The low grade and high grade limestone blended at plant site	Dolomitic Limestone with CaO less than 35 % and MgO more than 6 % are being considered as waste/mineral reject.
7d	Any beneficiation process at mines	No such proposals	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-----	-----	The lessee had captive cement plant having 0.29 million tonnes clinker capacity.

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Nil	Nil
8b	Concurrent use or storage of topsoil	No proposal	Nil	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Dumping is proposed for OB only.	Dumping of OB has been done as per proposal.	NIL

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	NIL as pits not matured for back-filling	Backfilling is proposed at conceptual stage .
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	NIL as pits not matured for back-filling	Backfilling is proposed at conceptual stage
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Entire ML area is non-forest. There is proposal of planation of 2125 nos of saplings during year 2016-17	200 nos saplings within were planted during year 2016-17. About 6,000 nos of saplings were planted so far.	V/L issued on 28/12/17
8g	Survival rate	No Proposal	75%	NIL
8h	Water sprinkling on roads to control airborne dust	All working benches & haulage road	All working benches & haulage road by water tankers	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-----	-----	The aesthetic beauty in and around mine is good as lessee had carried out afforestation and other environmental protective measures as per approved SOM.

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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 Oct 2017 A.R. submitted upto - FY 2016-17	Annual Return for FY 2016-17 submitted by the Lessee on 26/6/17. On-line submission of MR was regular.	NIL

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer - NIL Geologist - Shri V.V.Kulkarni Manager - Shri Nama Nagamalleswar Rao	Manager - Shri Nama Nagamalleswar Rao ME & Geologist: None	Mine was under temp. discontinuance w.e.f. 10/7/17 due to operation becomes un-economic and lack of demand.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit - 1.54HA Dump - 1.01HA Green belt - 0.34HA Infrastructure & Road -1.30HA	Actual also appear to be same.	NIL
9d	Scrutiny of Annual return on afforestation	i) Saplings - 200 Nos. ii) Area - 0.20Ha iii) Survival Rate - 75%	Actual also appear to be same.	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock NIL	Actual also some	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine Price Rs 661.96 per tonne and cost of production: Rs 917.62 per tonne	Appeared to be incorrect as captive mine	V/L issued on 28/12/2017
9h	Scrutiny of Annual return on fixed assets	Rs 36,13,510=00	Appeared to be correct as plant located outside ML.	NIL
9k	Scrutiny of Annual return on mining machineries	Excavator (0.9 Cum): 1 nos; Dumpers/ Tipper (10 cum): 3nos Rock Hole Drill: 1 nos ( 115 mm)	Appeared to be correct.	Presently mine is non-working

**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)	28/12/2017			
MCDR17	Rule 35(2)	28/12/2017			
	Rule 45(8)	28/12/2017			

**Date :**

**( PRASHANT S HEGDE )**

Indian Bureau of Mines