

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

**MCDR inspection REPORT**

**Bangalore regional office**

**Mine file No :** KNT/CTD/LST/24/BNG

**Mine code :** 38KAR07027

- (i) Name of the Inspecting : **S011** ) **K.SRINIVAS**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Nagamalleswara Rao, AGM and others  
Official with  
Designation
- (iv) Date of Inspection : 17/07/2018
- (v) Prev.inspection date : 06/12/2017

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MATHOD (M.L.2342)**
- (b) **Registration NO.** : **IBM/638/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : KARNATAKA
- District : CHITRADURGA
- Village : MATHODU
- Taluka : HOSADURGA
- Post office : MATHOD
- Pin Code : 577533
- FAX No. : 08199-240314
- E-mail : mathod\_mines@ramcocements.co
- Phone : 08199-240111/112
- (f) Police Station : SRIRAMPURA
- (g) First opening date : 07/10/1987
- (h) Weekly day of rest : SUN
2. Address for : The Ramco Cements Limited,  
correspondance : Method works Hosadurga Taluk,  
Chitradurga Dist, Karnataka-577533
3. (a) Lease Number : KAR1103
- (b) Lease area : 388.5
- (c) Period of lease : 20
- (d) Date of Expiry : 06/05/2003
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. RadhakrishnaSalai,  
 Mylapore, CHENNAI CITY  
 TAMIL NADU  
 Phone: 044-28478666, 0  
 FAX : 044-28478676 (

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

## Mining Engineer

Name : Thayaraj M.P,Full Time  
 Qualification : BE - Mining  
 Appointment/ : 16/04/2013  
 Termination date

## Geologist

Name : PRAVEEN KULKARNI,Full Time  
 Qualification : M.SC GEO  
 Appointment/ : 22/08/2017  
 Termination date

## Manager

Name : Rambabu. A  
 Qualification : Diplo. in Mining  
 Appointment/ : 15/04/2013  
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Modif.of approved Mining Plan	13/08/2004
		Mining Scheme rule 12 MCDR1988	10/04/2007
		Modif.approved Mining Scheme	11/11/2009
		Mining Scheme rule 12 MCDR1988	08/03/2016

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	-
1b	Exploration over lease area for geological axis 1 or 2	No proposals	Nil	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposals	nil	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposals	nil	-
1e	Balance reserve as on 01/04/20	-	-	Reserves as on 1.4.2018 is 2166777 tonnes.
1f	General remarks of inspecting officers on geology, exploration etc	-	-	There are no proposals for exploration.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Band I - N-1521210 to 1521450 E-654338 to 654523 Band III - N-1520940 to 1521560 E-655866 to 656161	Band I - N-1521210 to 1521450 E-654338 to 654523 Band III - N-1520940 to 1521560 E-655866 to 656161	-

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Band-I Overburden West side-1bench East Side- 0 Mineral-1 bench Band-III Overburden West side-4 benches East side-4 benches Mineral-1bench	Band-I Overburden West side-1bench East Side- 0 Mineral-1 bench Band-III Overburden West side-4 benches East side-4 benches Mineral-1bench	-
2c	Stripping ratio or ore to OB ratio	1 :4.54 (insitu & rehandling of old dump)	1:6.03 (only insitu development quantity)	-
2d	Quantity of topsoil generation in m3	nil	nil	-
2e	Quantity of overburden generation in m3	248214.0 (insitu & dump rehandling)	56514.0 ( insitu)	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	There are no specific remarks on development of pit.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2 (Band - I & III)	2 (Band - I & III)	-
3b	Quantity of ROM mineral production proposed	136620.0 tonnes	23423.0 tonnes	The violation has been pointed out for production less than the targetted.
3c	Recovery of sailable/usable mineral from ROM production	80%	80%	-
3d	Quantity of mineral reject generation	NIL	NIL	NIL

3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Nil	NIL
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	Not applicable	Nil	-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not applicable	Nil	-
3j	Provision of drilling and blasting in mineral benches	Conventional Drilling & blasting has been proposed	Conventional Drilling & blasting has been carried out.	-
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	Yes	-
3m	Total area covered under excavation/pits	15.64 ha	14.10 ha	-
3n	Ore to OB ratio for the pit/mine during the year.	1 :4.54	1:6.03	-
3o	Total area put in use under different heads at the end of year	Not specified	Not specified	-

3p	Production of ROM mineral during the last five year period as applicable	2013-14 : 169938 t 2014-15 : 145723 t 2015-16 : 148108t 2016- 17:151352t 2017-18: 136620t	2013-14 :64872t 15:35400t :76450t 17:49800t 2017- 18:23423t	2014- 2015-16 2016- 2017-	-
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3q	General remarks of inspecting officers on method of mining etc.	-	-		There is no change in the method of mining.
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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.	Dumping has been done for OB only.	-
4b	Location of topsoil, OB and mineral reject dumps	Band - I N-1520850-1520960 E-653824-654115  Band - III N-1521137-1521366 E-655084-655277	Band - I N-1520850-1520960 E-653824-654115  Band - III N-1521137-1521366 E-655084-655277	-
4c	Number of dumps within lease area and outside of lease area	Within Lease Area - 6. Outside Lease Area-Nil	Within Lease Area-6	-

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dumping proposal in Band II & Band I are within the UPL. limestone in Band II is not economically feasible and we have proposed to rehandled the material for backfilling the band III pit.	Carried out as per proposal.	-
4e	Number of active and alive dumps.	02	02	-
4f	Number of dead dumps.	04	04	-
4g	Number of dumps established.	04	04	-
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed along toe of dump.	Constructed along toe of dump.	-
4i	Length of Retaining wall or garland drain all along dumps	Retaining Wall constructed. - 50 X 2 X 1m		-
4j	Number of settling ponds	Nil	Nil	-
4k	Specific comments of inspecting officer on waste dump management	-	-	No specific comments 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.	No Proposal of backfilling	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	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	There are no proposals for backfilling and reclamation.

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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).	-	Submitted for the year 2017-18.	-
6b	Area available for rehabilitation (ha) .	No proposals	Nil	-
6c	afforestation done (ha).	No proposals	NIL	-
6d	No. of saplings planted during the year	No proposals	nil	-
6e	Cumulative no .of plants	No proposals	nil	-
6f	Any other method of rehabilitation	No proposals	NIL	-
6g	Cost incurred on watch and care during the year	No proposals	nil	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposals	nil	-



6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposals	Nil	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposals	nil	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposals	nil	-
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposals	nil	-
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	750 saplings	1000 saplings	-
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	0.28Ha	0.50Ha	-
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Afforestation	Afforestation	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environment monitoring at Core & Buffer zone.	Core Zone - 4 Location Buffer Zone - 3 Villages	-

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	There are no specific remarks on progressive mine closure plan operation and compliance.
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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Crushing and screening in to grade-wise sorting.	Crushing and screening in to grade-wise sorting.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	-
7c	Different grade of mineral sorted out at mines.	High grade, cement grade and blendable grade.	High grade, cement grade and blendable grade.	-
7d	Any beneficiation process at mines .	No proposals	Only dry crushing and screening adopted.	No separate chemical beneficiation of the ore is involved.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	There are no specific comments on mineral conservation and beneficiation issues.

#### 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	-

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Dumping is proposed for OB only. No proposal for top soil & mineral reject as there is nil generation top soil & mineral reject.	Dumping has been done for OB only	-
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 proposals	nil	Backfilling is proposed at conceptual stage
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	750 saplings	1000 saplings	-
8g	Survival rate	80%	80%	-
8h	Water sprinkling on roads to control airborne dust	All working benches & haulage road	All working benches & haulage road	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	There is no change in aesthetic beauty in and around mines area.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	MR submitted upto June,2018. AR submitted for the year 2017-18.	-	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details given	-	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details given	-	-
9d	Scrutiny of Annual return on afforestation	Details given	-	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Details given	-	No mineral rejects generated.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Details given	-	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Details given	Ex-mine price is less than the cost of production.	This is a captive mine. The plant was not in operation.
9h	Scrutiny of Annual return on fixed assets	Details given	-	-
9k	Scrutiny of Annual return on mining machineries	Details given	-	-

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**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed				Show couse position			
Rule NO.	Issued on	Compliance on		Rule NO.	Issued on	Compliance on	
MCDR17	Rule 11(1)	06/08/2018	14/11/2018				

**Date :**

**(K.SRINIVAS)**

Indian Bureau of Mines