

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

MCDR INSPECTION REPORT

Hyderabad regional office

Mine file No : AP/KSN-28/HYD

Mine code : 38APR10031

- (i) Name of the Inspecting : **M001**) **S K MUDULI**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Sri P.Jani Reddy-Mining Engineer, Sri. P.Suryanarayan
Official with
Designation
- (iv) Date of Inspection : 22/02/2020
- (v) Prev.inspection date : 23/09/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BUDAWADA(160.00 HA)**
- (b) **Registration NO.** : **IBM/638/2011**
- (c) **Category** : **A Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **ANDHRA PRADESH**
- District : **KRISHNA**
- Village : **Budawada**
- Taluka : **Jaggayyapet**
- Post office : **K.S.R. Nagar**
- Pin Code : **521457**
- FAX No. : **08654-222532**
- E-mail : **minesjpm@ramcocements.co.in**
- Phone : **08654-224400-09**
- (f) **Police Station** :
- (g) **First opening date** : **01/02/2014**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **The Ramco Cements Ltd.**
Kumaraswamyraja Nagar-521457, Jaggaiahpet Mandal
Krishna District, Andhra Pradesh
3. (a) **Lease Number** : **APR2663**
- (b) **Lease area** : **160**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **16/03/2029**
4. **Mineral worked** : **LIMESTONE** **Main**

5. Name and Address of the

Lessee : M/S MADRAS CEMENTS
 KUMARASWAMY RAJA NAGAR
 JAGGAYAPETA KRISHNA ANDHRA
 PRADESH
 Phone:
 FAX :040-4653349

Owner : P.R.VENKATRAMA RAJA
 AURAS CORPORATE CENTRE, Vth
 FLOOR, Dr.RADHAKRISHNA
 ROAD,MYLAPORE, CHENNAI
 CHENNAI CITY TAMIL NADU
 Phone: 044-28478666
 FAX : 044-28478676

Agent : P JANI REDDY
 KUMARASWAMY .RAJA.NAGAR,
 JAYATNTHIPURAM KRISHNA
 DISTRICT KRISHNA ANDHRA
 PRADESH
 Phone: 08654-224400
 FAX : 08654-222532

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	27/10/2014
Plan/Scheme of Mining	:	MP modif under 17(3) MCR 2016	12/12/2018

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration proposal for 2018-19	Nil	Entire ML area has been explored by G1 level of exploration.
1b	Exploration over lease area for geological axis 1 or 2	No exploration proposal for 2018-19	Entire lease area of 160.00 Ha. explored under G1 level of Exploration	Exploratory agency is Synergy GeoTech - Nagpur, 54 Core BH's, Total meterage is 3,100 mts. Prospecting operation Expenditure is around Rs.58 lakhs.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No exploration proposal for 2018-19	Not applicable.	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No exploration proposal for 2018-19	Entire lease area explored under G1 axis	Entire lease area explored under G1 level.
1e	Balance reserve as on 01/04/20	147.514 Million tonnes	147.829 Million tonnes	-
1f	General remarks of inspecting officers on geology, exploration etc	-	-	Simple bedded limestone deposit.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N1863800, N1864400 to E401225, E401800	N1863770, N1863905 to E401725, E401815	Due to non availability of proper approach road less production has been done and location of mining has also changed, accordingly.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Bench in mineral	Bench development in mineral is at initial stage.	-
2c	Stripping ratio or ore to OB ratio	1: 0.008	No OB Generation.	-
2d	Quantity of topsoil generation in m3	Nil	No top soil generation.	-
2e	Quantity of overburden generation in m3	29357 m3 intercalated waste.	Nil, as work not carried out to the full extent.	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	Full pledged mining operations are not carried out to the full extent due to lack of proper approach road.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	-
3b	Quantity of ROM mineral production proposed	2500000 MT	97140 MT	-
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	-
3d	Quantity of mineral reject generation	No approved proposal for 2018-19.	Nil	-
3e	Grade of mineral rejects generation and threshold value declared.	No approved proposal for 2018-19. Threshold value is CaO-34% (min) and MgO-5% (max).	Nil	-
3f	Quantity of sub grade mineral generation.	No approved proposal for 2018-19.	Nil	Entire ROM is consumable.
3g	Grade of sub grade mineral generation	No approved proposal for 2018-19.	NA	-

3h	Manual / Mechanised method adopted for segregating from ROM	No approved proposal for segregation of ROM.	Nil	-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No approved proposal for 2018-19.	NA	-
3j	Provision of drilling and blasting in mineral benches	Deep hole drilling and blasting 115 mm dia crawler mounted drilling machine, Spacing=4 m. Burden=3 m.	115 mm dia crawler mounted drilling machine, Spacing=4 m. Burden=3 m.	-
3k	Provision of mining machineries in mineral benches	-	Tipper 4 x 16 tonnes Backhoe - 0.9m ³ - 1 No. Wagon drill - 115 mm dia.	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	8m	Excavator boom height is suitable to handle the height of mineral	Bench developement is at initial stage
3m	Total area covered under excavation/pits	4.26 Ha.	0.29 Ha	-
3n	Ore to OB ratio for the pit/mine during the year.	1:0.008	Nil	-
3o	Total area put in use under different heads at the end of year	10.76 Ha.	7.54 Ha.	-
3p	Production of ROM mineral during the last five year period as applicable	2014-15 - 2500000 MT 2015-16 - 2500000 MT 2016-17 - 2500000 MT 2017-18 - 2500000 MT 2018-19 - 2500000 MT	2014-15- 1000 MT 2015-16- 4333 MT 2016-17-1000 MT 2017-18-240 MT 2018-19-97140 MT	-

3q	General remarks of inspecting officers on method of mining etc.	-	-	Mining operation has not been carried to the fullest as proposed, due to lack of proper approach road.
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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)	There is no approved proposal for dumping top soil. OB, MR. Temporary dumping of intercalated waste has been proposed.	Nil.	Full pledged mining operations are not carried out due lack of proper approach road.
4b	Location of topsoil, OB and mineral reject dumps	N1863745, N1863930 to E400225, E400350	Nil	-
4c	Number of dumps within lease area and outside of lease area	One (within the ML area	Nil	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the mining pit.	Nil	-
4e	Number of active and alive dumps.	One	Nil	-
4f	Number of dead dumps.	No approved proposal for 2018-19.	Not Applicable	-
4g	Number of dumps established.	No approved proposal for 2018-19.	Not Applicable	-
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes to Garland drain be provided.	Nil	There is no dump as mine development is at very initial stage.
4i	Length of Retaining wall or garland drain all along dumps	Not Applicable	Nil	

4j	Number of settling ponds	01	Nil	There is no waste dump.
4k	Specific comments of inspecting officer on waste dump management	-	-	No waste dump exists within the mining lease.

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 approved proposal for 2018-19.	Mineral is yet to be completely mined out	-
5b	Area under backfilling of mined out area	No approved proposal for 2018-19.	Nil as no part of the ML is matured to start backfilling.	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No approved proposal for 2018-19.	Nil	-
5d	Total area fully reclaimed and rehabilitated	No proposal.	Nil	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No part of the ML completely exhausted of minerals	Thus, No part of the ML is matured for starting backfilling and reclamation.	-

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 in time	Submitted in time.	-
6b	Area available for rehabilitation (ha) .	No approved proposal for 2018-19.	Nil	-

6c	afforestation done (ha).	No approved proposal for 2018-19.	Nil	-
6d	No. of saplings planted during the year	No approved proposal for 2018-19.	Nil	-
6e	Cumulative no .of plants	No approved proposal for 2018-19.	Nil	-
6f	Any other method of rehabilitation	No approved proposal for 2018-19.	Nil	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No approved proposal for 2018-19.	Not applicable.	Mineral is still to be completely mined out. Hence till date no part of the ML area is matured to start beneficiation.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No approved proposal for 2018-19.	Not Applicable.	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No approved proposal for 2018-19.	Not Applicable.	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No approved proposal for 2018-19.	Not applicable	-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No approved proposal for 2018-19.	Not applicable	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	100 nos in 0.1 Ha.	3000 nos saplings planted in 7.5m safety zone (3.25 Ha. area)	.

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No approved proposal for 2018-19.	Not applicable	-
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No approved proposal for 2018-19.	Not applicable	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Season wise Monitoring is to be done	Quarterly monitoring is being done for AAQ, Ground water & Noise	Monitoring agency is B.S.Envi Tech, Hyderabad
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	Mining is at very initial stage.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM to be despatched	97140 MT	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No approved proposal for 2018-19.	Gradewise sorting not required as the proposed area of mining is having the grade as required by plant	-
7c	Different grade of mineral sorted out at mines.	No proposal.	Nil	-
7d	Any beneficiation process at mines	No proposal.	Nil	-
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)	No approved proposal for 2018-19.	Nil	In the area proposed for mining from top there is Limestone outcrop & no top soil is available there.
8b	Concurrent use or storage of topsoil	Yes	Used for plantation.	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Intercalated waste to be dumped.	Nil and no dump exists	There is no dump.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No approved proposal for 2018-19.	Nil	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No approved proposal for 2018-19.	Nil	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes, Bush type vegetation growth is there.	Additional 3,500 saplings are planted in 3.25 Ha. area.	-
8h	Water sprinkling on roads to control airborne dust	One mobile water sprinkler with spraying arrangement will be used for dust suppression on haul roads	One mobile water sprinkler is arranged for dust suppression on haul roads	-

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Except one pit of 0.29 Ha. & some roads. There is no other development.	Except one pit of 0.29 Ha. & some roads. There is no other development.	-
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	AR and MR to be Submitted in time.	Submitted in time. 2018-19 annual return submitted on 27.06.2019.	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	To be submitted	Mining Engineer: -P.Jani Reddy Geologist:-N.Srinivasulu Mines Manager: -B. Satya Balaji	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	To be submitted	Covered under current workings: 0.29Ha. Reclamation: Nil Used waste disposal: Nil Occupied by Plants and buildings &Roads:4.00Ha. Plantation :3.25 Ha.	-
9d	Scrutiny of Annual return on afforestation	3000 Nos of plants	3000 Nos of plants	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	-	-	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		Sale Value is 0; Ex Mine Price: Rs.235.19	The amount includes all the nearby leases of the company.
9h	Scrutiny of Annual return on fixed assets	To be submitted	Rs.200202638/-	

9k	Scrutiny of Annual return on mining machineries	To be submitted	Excavator - 1, Tippers - 4, Water Tanker - 1, Drill & Compressor- 1, Water Tanker-1 Bull dozer-1	-
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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

Date :

(S K MUDULI)

Indian Bureau of Mines