

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

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/KSN-28/HYD

Mine code : 38APR10031

- (i) Name of the Inspecting : M029) MADHU SUDHAN YADAV M
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri.P.Jani Reddy, Agent & Sri. Anjaneyulu, Geologist
Official with
Designation
- (iv) Date of Inspection : 19/10/2020
- (v) Prev.inspection date : 22/02/2020

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 : The Ramco Cements Ltd.
correspondance : Kumaraswamyraja Nagar-521457, Jaggaiyahpet 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 proposal	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal	Nil	Entire lease area is explored under G1 level of exploration.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	---	Exploratory agency : Synergy GeoTech, Nagpur. Expenditure : 58 lakhs (Reported by lessee) for drilling 54 coreboreholes of 3100 meters.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20	----	Proved Reserves as on 30/09/2020 - 147.74 million Tonnes	
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	E 401540 to 401790 N 1864280 to N 1864540	Work done within the proposed co-ordinates.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No topsoil and OB benches proposed. Mineral benches proposed.	Only mineral bench developed.	
2c	Stripping ratio or ore to OB ratio	1:0.006	Nil	No OB generated in the year 2019-20.
2d	Quantity of topsoil generation in m3	No proposal for the year 2019-20	Nil	No top soil generated in the year 2019-20
2e	Quantity of overburden generation in m3	6545 cu.m	Nil	No OB generated during the year 2019-20.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Full fledged mining operations not carried out due to lack of proper approach road to the lease area.
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Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	1112018 Tonnes	85200 Tonnes	Lessee has reported that less production due to lack of proper approach road to the lease area.
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No proposal for the year 2019-20	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Nil	
3f	Quantity of sub grade mineral generation.	No proposal for the year 2019-20	Nil	
3g	Grade of sub grade mineral generation	Not applicable	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	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	Drilling and blasting in the mineral benches proposed	Drilling is being carried out by 115M dia drilling machine having spacing of 4 m and burden of 3m with a hole depth of 8 meters. Blasting done by using ANFO and slurry explosives with NONEL detonators for initiation.
3k	Provision of mining machineries in mineral benches	Wagon drill, Tippers , excavators and water tanker.	Wagon drill - 1 Nos. Tippers - 4Nos. Excavators -1 Nos.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It is proposed to maintain the bench height of 8 meters	Digging height of the excavator is compatible for proposed bench height fo 8m.
3m	Total area covered under excavation/pits	16.09 Ha	0.54 Ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.006	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	2015-16 - 2500000 MT 2016-17 - 2500000 MT 2017-18 - 2500000 MT 2019-20 - 2500000 MT 2020-21 - 1112018 MT	2015-16 - 1000 MT 2016-17 -4333 MT 2017-18 - 1000 MT 2019-20 - 240 MT 2020-21 - 97140 MT
3q	General remarks of inspecting officers on method of mining etc.		Full fledged production work not carried out due to lack of proper approach road to the lease area.

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No topsoil, OB and mineral reject dump proposed	Nil	
4b	Location of topsoil, OB and mineral reject dumps	E- 4013000 to E- 401420 N-1864560 to N 1864660	Nil	
4c	Number of dumps within lease area and outside of lease area	One	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	E- 4013000 to E- 401420 N-1864560 to N 1864660	Nil	
4e	Number of active and alive dumps.	One active dump proposed	Nil	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed	Nil	No dump developed in the lease area.
4i	Length of Retaining wall or garland drain all along dumps	Not applicable	Nil	
4j	Number of settling ponds	One	Nil	
4k	Specific comments of inspecting officer on waste dump management			No dump is developed in the lease since full fledged mining operations not started due to lack of approach road to the lease area.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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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	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The pit is not mined out upto its ultimate pit limit to start backfilling.

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).	To be submitted	Submitted	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	0.1 Ha	No fresh plantation done as per proposal. Only replacement done.	
6d	No. of saplings planted during the year	200 Nos.	Replacement of 500 Nos. saplings planted. No plantation done as per proposal.	Violation issued as per rule.
6e	Cumulative no .of plants	No proposal	3700 Nos.	
6f	Any other method of rehabilitation	No proposal	Nil	

6g	Cost incurred on watch and care during the year	Rs.50000/-	Rs.1098000/- (Reported by the lessee)
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not applicable	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not applicable	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Not applicable	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not applicable	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not applicable	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Not applicable	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Not applicable	Nil

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not applicable Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly environmental monitoring of core and buffer zone.	Quarterly environmental monitoring carried out during 2019-20.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		No area of pit has reached its ultimate pit limit to start Reclamation and Rehabilitation and backfilling activities.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	1112018 Tonnes	852000 Tonnes	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Nil	
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			No sub grade has been generated. Beneficiation is not required as the entire ROM mineral is utilised for captive plant.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Nil	
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	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)	No proposal	Nil	
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	Water Tankers to be provided for dust suppression.	Water tanker is provided for dust suppression.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Except one pit of 0.54 Ha and roads developed in the lease area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	To be submitted in time	Submitted in time	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer - Sri.P.Jani Reddy Geologist - Sri.N.Srinivasulu Manager - Sri. Balaji Koteswar Kumar	Appointed and working as submitted.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Open pit - 0.54 Ha Infrastructure - 4.0 Ha Greenbelt - 3.25 Ha	Same as submitted.	
9d	Scrutiny of Annual return on afforestation	500 Nos. of saplings planted	500 Nos. saplings planted as replacement. No fresh plantation carried out as per proposal.	Violation issued as per rule.
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	Nil	Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production - Rs.266.69/-	Rs.266.69/-	
9h	Scrutiny of Annual return on fixed assets	Rs.92969242/-	----	
9k	Scrutiny of Annual return on mining machineries	Shovel-1 nos. Tipper -4 Nos. Rock drill - 1 No. Air compressor - 1 No.	Machineries available as per the submission.	

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)	23/11/2020			

Date :

(MADHU SUDHAN YADAV M)

Indian Bureau of Mines