

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

Mining Plan Modification REPORT

Hyderabad regional office

Mine file No : AP/KSN-28/HYD

Mine code : 38APR10031

- (i) Name of the Inspecting : **C\$10**) **Ch.Suseela**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri. P.Suryanarayana Murthy, Geologist and Sri.K.Anja
Official with
Designation
- (iv) Date of Inspection : 09/11/2018
- (v) Prev.inspection date :

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.i**
- 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

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	N.A	N.A	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	N.A	N.A	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	
1e	Balance reserve as on 01/04/20	101.46 Million Tonnes	101.46 Million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	Entire ML area has been explored under G1 scale of exploration. It is a bedded type deposit belongs to palnad basin. (Nargi Limestone)

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Section 200 N, 400 N & 600 N South East Side	Section 200 N, East Side	South
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not Applicable	Not Applicable	
2c	Stripping ratio or ore to OB ratio	0.012	NIL	
2d	Quantity of topsoil generation in m3	NIL	NIL	
2e	Quantity of overburden generation in m3	NIL	NIL	

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

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	2499255 MT	240 MT	Full fledged mining operations are not carried out due to lack of approach road.
3c	Recovery of sailable/usable mineral from ROM production	Not Applicable	Not Applicable	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	N.A	N.A	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	N.A	N.A	
3h	Manual / Mechanised method adopted for segregating from ROM	N.A	N.A	Total ROM is being fed to crusher to get 50-60 mm
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	
3j	Provision of drilling and blasting in mineral benches	Conventional deep hole drilling and blasting	Conventional deep hole drilling and blasting	

3k	Provision of mining machineries in mineral benches	Hydraulic excavators and tippers are to be deployed	Hydraulic excavators and tippers are being deployed	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, only mineral benches No over burden	Yes, only mineral benches No over burden	
3m	Total area covered under excavation/pits	29.74 ha	0.18 ha	
3n	Ore to OB ratio for the pit/mine during the year.	0.012	NIL	
3o	Total area put in use under different heads at the end of year	36.14 ha	0.18 ha	
3p	Production of ROM mineral during the last five year period as applicable	2013-14--1103011 t, 2014-15--2499020 t, 2015-16--2499157 t, 2016-17--2499000 t, 2017-18--2499255 t	2013-14--NIL, 2014-15--1000 t, 2015-16--4333 t, 2016-17--1000 t, 2017-18--240 t	
3q	General remarks of inspecting officers on method of mining etc.	_____	_____	Fully mechanised open cast method of mining is proposed. However, full fledged mining operations are not carried out due to lack of approach road.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes, waste dump	NIL	
4b	Location of topsoil, OB and mineral reject dumps	Section 200 N	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)	Beyond UPL	NIL	
4e	Number of active and alive dumps.	One	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.	Yes, garland drain	NIL	
4i	Length of Retaining wall or garland drain all along dumps	Yes	NIL	Full fledged mining operations are not carried out due to lack of approach road. Hence no waste dump is developed.
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management	_____	_____	Full fledged mining operations are not carried out due to lack of approach road. Hence no waste dump is developed.

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.	NIL	NIL	
5b	Area under backfilling of mined out area	NIL	NIL	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL	NIL	
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	_____	_____	_____

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

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	N.A	N.A
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	N.A	N.A
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	N.A	N.A
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	N.A	N.A
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	100	3000
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	NIL	NIL
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring of environmental parameters are to be carried out	Quarterly monitoring of environmental parameters are being carried out

6q General remarks _____
of inspecting _____
officers on PMCP _____
compliance and _____
progressive _____
closure _____
operations etc.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NIL	NIL	Total ROM is being fed to the crusher.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not Applicable	Not Applicable	
7c	Different grade of mineral sorted out at mines.	Not Applicable	Not Applicable	
7d	Any beneficiation process at mines	Not Applicable	Not Applicable	
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)	NIL	NIL	
8b	Concurrent use or storage of topsoil	Not Applicable	Not Applicable	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes, waste dump	NIL	Full fledged mining operations are not carried out due to lack of approach road. Hence no waste is generated.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	100 plants	3000 plants	
8g	Survival rate	_____	90%	
8h	Water sprinkling on roads to control airborne dust	One mobile water sprinkler will be used for dust suppression on haul roads	One mobile water sprinkler is being used for dust suppression on haul roads	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines 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	Online Monthly and Annual Returns are being submitted in time	Online Monthly and Annual Returns are being submitted in time	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer-Sri.P.Jani Reddy, Geologist-Sri. PSN Murthy, Mines Manager-Sri P. Balaji Koteswara Kumar	Mining Engineer-Sri.P.Jani Reddy, Geologist-Sri. PSN Murthy, Mines Manager-Sri P. Balaji Koteswara Kumar	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pit-0.18 ha, Reclaimed area- NIL, Dump- NIL	Area under pit-0.18 ha, Reclaimed area- NIL, Dump- NIL	
9d	Scrutiny of Annual return on afforestation	NIL	NIL	3000 plants were planted in 2018-19 on both sides of the road.
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	Sale Value-0, Ex. Mine Price-Rs.232.61/-, COP-Rs.232.61/-	Sale Value-0, Ex. Mine Price-Rs.232.61/-, COP-Rs.232.61/-	
9h	Scrutiny of Annual return on fixed assets	Rs. 124,662,747/- (The amount includes all the leases of the company, plant etc.)	Rs. 124,662,747/- (The amount includes all the leases of the company, plant etc.)	
9k	Scrutiny of Annual return on mining machineries	Excavator-1, Dozer-1, Tippers-4, Water Tanker-1, Drill & Compressor-1	Excavator-1, Dozer-1, Tippers-4, Water Tanker-1, Drill & Compressor-1	

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

Date :**(Ch.Suseela)**

Indian Bureau of Mines