

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/CDP/L.ST-4/HYD

Mine code : 38APR04001

- (i) Name of the Inspecting : ~~P601~~) P.GURUVAIAH
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri M Venugopal Reddy, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 29/10/2017
- (v) Prev.inspection date : 14/10/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : COROMANDAL
- (b) **Registration NO.** :
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : CUDDAPAH
- Village : CHILAMKUR
- Taluka : YERRAGUNTALA
- Post office : CHILAMKUR
- Pin Code : 516310
- FAX No. : 08563-76155
- E-mail :
- Phone : 08563-276152, 276201
- (f) **Police Station** :
- (g) **First opening date** : 01/10/1982
- (h) **Weekly day of rest** : SUN
2. **Address for** : COROMANDAL LIMESTONE MINE
correspondance M/S THE INDIA CEMENTS LTD
CHILAMKUR(PO) CUDDAPAH DT.
3. (a) **Lease Number** : APR0021
- (b) **Lease area** : 601.96
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 17/11/2001
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : THE INDIA CEMENTS LTD
 DHUN BUILDING 827, ANNA
 SALAI CHENNAI CHENNAI CITY
 TAMIL NADU
 Phone:282521526
 FAX :28520638

Owner : R.K.DAS
 DHUN BLDG 827,ANNASALAI
 CHENNAI CITY TAMIL NADU
 Phone: 04428521526
 FAX : 04428520638

Agent : R.NAGARAJU
 M/S INDIA CEMENTS LIMITED
 CHILAMKUR-516310 KADAPA
 DISTRICT CUDDAPAH ANDHRA
 PRADESH
 Phone: 08563-276174
 FAX :

Mining Engineer

Name : Sri L. SOMASEKHARREDDY, Full Time
 Qualification : B.E,(MINING) IInd CLASS MANAGER"CERTIFIC
 Appointment/ : 04/08/2011
 Termination date

Manager

Name : N.K.MITRA
 Qualification : D.M.E. & FCMMC
 Appointment/ : 31/08/2001
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	29/04/1992
Plan/Scheme of Mining	:	Existing rule 11 MCDR1988	24/11/1998
	:	Existing rule 11 MCDR1988	26/11/1998
	:	Mining Scheme rule 12 MCDR1988	04/03/2003
	:	Mining Scheme rule 12 MCDR1988	27/04/2007
	:	Mining Scheme rule 12 MCDR1988	30/11/2012
	:	Mining Scheme rule 12 MCDR1988	05/12/2016

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	60 within 5 years scheme period	Completed.	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	J P kore drilling, Hyd. Rs.1273382/	J P kore drilling, Hyd. Rs.1273382/	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	12 (4.0 ha) 2016-17	12 (4.0 ha) 2016-17.completed.	-
1e	Balance reserve as on 01/04/20	Proved- 133.85 Millin Tons. Probable - 48.46 Millin Tons. resources- 49.54 Millin Tons.	Proved- 133.85 Millin Tons. Probable -48.46 Millin Tons. resources- 92.56 Millin Tons.	Total Reserves have been calculated as per UNFC classification.
1f	General remarks of inspecting officers on geology, exploration etc	60 within 5 years scheme period	Completed	-

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N-1800 to N- 2000, E-600 to 800 & N- 200 to 400, E400-600.	N-1800 to N- 2000, E-600 to 800 & N- 200 to 400, E400-600.	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	OB-1 Bench, ore-4 Benches.	OB-1 Bench, ore-4 Bench	-
2c	Stripping ratio or ore to OB ratio	9 : 1	9 : 1	-
2d	Quantity of topsoil generation in m3	102776 cu.m	57333 cu.m	-

2e	Quantity of overburden generation in m3	N.A	Nil	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Tabular form deposit.	Tabular form deposit.	-

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2	2	-
3b	Quantity of ROM mineral production proposed	1899999 Tons.	1504195 Tons.	-
3c	Recovery of sailable/usable mineral from ROM production	100 %	100 %	-
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	Nil	Nil	-
3h	Manual / Mechanised method adopted for segregating from ROM	N.A	N.A	-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	N.A	N.A	-

3j	Provision of drilling and blasting in mineral benches	Deep hole drilling &Blasting.	Deep hole drilling &Blasting.	-
3k	Provision of mining machineries in mineral benches	3 Excavators & 8 Dumpers.	2 Excavators & 6 Dumpers.	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes 3m to 9m	Yes 3m to 9m	-
3m	Total area covered under excavation/pits	113 . 12 ha.	109 . 04 ha.	-
3n	Ore to OB ratio for the pit/mine during the year.	9 : 1	9 : 1	-
3o	Total area put in use under different heads at the end of year	165. 59 ha	157. 08 ha.	-
3p	Production of ROM mineral during the last five year period as applicable	9 .8 Millin Tons (2012-13-2016-17)	6. 92 Millin Tons (2012-13-2016-17)	-
3q	General remarks of inspecting officers on method of mining etc.	Mechanised Method.	Mechanised Method.	-

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	O.B dumping	O.B dumpng	-
4b	Location of topsoil, OB and mineral reject dumps	O.B dumping along Tthe Northern boundary,N 2000 to 2200 &E 600-1000	O.B dumping along Tthe Northern boundary,N 2000 to 2200 &E 600-1000	-

4c	Number of dumps within lease area and outside of lease area	13 dumps within the mining lease.	13 dumps within the mining lease.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Along the mine boundary line of East, West, North & South.	Along the mine boundary line of East, West, North & South.	-
4e	Number of active and alive dumps.	2	2	-
4f	Number of dead dumps.	11	11	-
4g	Number of dumps established.	9	9	-
4h	Whether Retaining wall or garland drain all along dumps are there.	Garland drain provided surrounding the dumps.	Garland drain provided surrounding the dumps.	-
4i	Length of Retaining wall or garland drain all along dumps	6210 x 1,5 x 0.5	6210 x 1,5 x 0.5	-
4j	Number of settling ponds	1	1	-
4k	Specific comments of inspecting officer on waste dump management	13 dumps within the mining lease.	13 dumps 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.	proposed for back filling partly N 600to 1000 & E 400 to 600	proposed for back filling partly N 600to 1000 & E 400 to 600	-
5b	Area under backfilling of mined out area	0.67 ha.	0.67 ha.	North-600-1000 East 100 x400.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Plantation	Plantation	-

5d	Total area fully reclaimed and rehabilitated	3.22 ha	2.53 ha	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	0.67 ha Back filling.	0.67 ha Back filling.	North-600-1000 East 100 x400.

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	Yes	-
6b	Area available for rehabilitation (ha) .	N.A	Nil	-
6c	afforestation done (ha).	1. 0 0 ha	2. 00 ha	-
6d	No. of saplings planted during the year	1000 Nos.	2000 Nos.	-
6e	Cumulative no .of plants	5500	5500	-
6f	Any other method of rehabilitation	Water reservoir 14 . 9 ha.	Water reservoir 14 . 9 ha.	-
6g	Cost incurred on watch and care during the year	10 lakhs	9 . 5 Lakhs.	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	4. 07 ha	-	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0 . 6 ha	0 . 6 ha	-

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	1 . 0 ha	1 . 0 ha	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	14 . 9 ha	14 . 9 ha	-
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.			
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	1000	1000	-
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	1 . 0 ha	2 . 0 ha	-
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	By plantation.	By plantation.	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Complied.	Complied.	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	As for proposal complying	As for proposal complying	-

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	N.A	Nil	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	N.A	Nil	-
7c	Different grade of mineral sorted out at mines.	N.A	Nil	-
7d	Any beneficiation process at mines .	N.A	Nil	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	N.A	Nil	-

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	What ever top soil generated is utilised for plantation.	What ever top soil generated is utilised for plantation.	-
8b	Concurrent use or storage of topsoil	plantation & Back filling	plantation & Back filling	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	N.A	N.a	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	N.A	N.A	-

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	7. 34 ha 3 . 2 ha phased manner back filling done.	7. 34 ha 3 . 2 ha phased manner back filling done.	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	4500	2000	-
8g	Survival rate	65 %	80 %	-

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes,submitted Monthly,Annual returns.	Monthly returns submitted up to Sept,2017 and ,Annual return submitted 2016-17 submitted.	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	M.Venugopal Reddy, Manager, M.Ananta kumar, Geologist, & L. Soma sekhar Reddy,, Minming Engineer were present and employed in the mine.	M.Venugopal Reddy, Manager, M.Ananta kumar, Geologist, & L. Soma sekhar Reddy,, Minming Engineer were present and employed in the mine.	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(ii) Covered under current (O/C) Workings 47.950 HA, (iii) Reclaimed/Rehabilitated 1.90 HA	(ii) Covered under current (O/C) Workings 47.95 HA (iii) Reclaimed/Rehabilitated 1.90 HA (iv) Used for waste disposal 44.57 HA (v) Occupied by plant, buildings, residential, welfare buildings & roads (vi) Other Purpose (Plantation) 2 . 0 HA	-

9d	Scrutiny of Annual return on afforestation	Within the mining lease area-2000. Out side the mining lease area.-2000	Within the mining lease area-2000. Out side the mining lease area.-2000	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	N.A	N.A	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	N.A	N.A	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine - price-213/, Cost of production-213/	Ex-mine -price-213/, Cost of production-213/	-
9h	Scrutiny of Annual return on fixed assets	N.A	N.A	-
9k	Scrutiny of Annual return on mining machineries	Shovel-4, Dumper-11 Drilling Machine-1, Explosive Van-1, Water Tank-1	Shovel-4, Dumper-11 Drilling Machine-1, Explosive Van-1, Water Tank-1	-

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 26(2)	30/11/2017	08/12/2017			

Date :
(P.GURUVAIAH)

Indian Bureau of Mines