

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT 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 : **25** ) **SHRI IBRAHIM SARIF**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 24/07/2018
- (v) Prev.inspection date : 29/10/2017

**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 : **YERRAGUNTLA**  
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	None	None	
1b	Exploration over lease area for geological axis 1 or 2	A total of 60 coreholes were proposed to be made during the plan period.	It was noticed that 60 coreboreholes were made till 2015-16.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	It was proposed to outsource the exploration.	It was reported that a agency named JP Koredrilling carried out the exploration wherein the lessee has incurred and expenditure of 12,73,382/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	-----	Area of about 30 ha is there which needs to be converted to G1 level	Total area has been explored under G1 & G2 level
1e	Balance reserve as on 01/04/20	At the start of the plan period a total of 135.03 Million tonnes was under (111) 48.46 million tonnes in 121 & 122	As on 1.4.2018 the reserves are around 180.82 Million tonnes (111 & 121, 122)	
1f	General remarks of inspecting officers on geology, exploration etc	Entire area to be explored under G1 level	Some portion of about 30 Ha is under G2 level which needs to be explored under G1 level	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In South block and in North Block	The working were noticed to be within approved proposals	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	It was proposed to have separate benches in topsoil and ore.	It was observed that there is one bench in topsoil and 04 benches in ore.	

2c	Stripping ratio or ore to OB ratio	1:0.09	1 :0.06	
2d	Quantity of topsoil generation in m3	80457	61040	in cum
2e	Quantity of overburden generation in m3	Nil	Nil	

---

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	It was proposed to have one pit each in North and South blocks	It was observed that one pit and North and one in South block were noticed.	
3b	Quantity of ROM mineral production proposed	1999940 MT	1485000 MT	
3c	Recovery of sailable/usable mineral from ROM production	90%	100%	
3d	Quantity of mineral reject generation	Nil	Nil	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method adopted	It was noticed that the entire operations are mechanised.	
3j	Provision of drilling and blasting in mineral benches	There was proposal for drilling and blasting in mineral benches.	The same noticed durning the inspection.	
3k	Provision of mining machineries in mineral benches	It was proposed to have mining machineries in mineral benches	It was noticed that 3 excavators and 8 dumpers were used in the benches	

---

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	The bench height proposal were made formechanised method of mining	It was noticed that around 9m benches were maintained in the pit.
3m	Total area covered under excavation/pits	126.52	110.4 Ha
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.09	1: 0.06
3o	Total area put in use under different heads at the end of year	182.76 Ha	161 65Ha
3p	Production of ROM mineral during the last five year period as applicable	2013-14-1.90 Million tonnes 2014-15-1.90 Million tonnes 2015-16-1.89 Million tonnes 2016-17 - 1.90 Million tonnes 2017-18- 2.0 Million tonnes	2013-14-1.40 Million tonnes 2014-15-1.34 Million tonnes 2015-16-1.24 Million tonnes 2016-17 -1.50 Million tonnes 2017-18- 1.46 Million tonnes

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	proposal for seperate dumping of topsoil was made.	It was noticed that topsoil was being stacjed seperately	
4b	Location of topsoil, OB and mineral reject dumps	The topsoil was proposed to be dumped on Northern and Eastern boundary	The same was noticed duiring the inspection	
4c	Number of dumps within lease area and outside of lease area	About 03 dumps were proposed	As per approved proposals dumping is being carried out.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	As per approved proposals	
4e	Number of active and alive dumps.	Two	Two	

4f	Number of dead dumps.	11	11	
4g	Number of dumps established.	09	09	
4h	Whether Retaining wall or garland drain all along dumps are there.	A garland drain was proposed around the dumps	Not observed	Vioaltion was pointed out
4k	Specific comments of inspecting officer on waste dump management	Dump should be established as to avoid spillage in to surrounding area	Dumps were not stabilised	Violations were pointed out

---

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.	Ore needs to be excavated fully before backfilling	Entire ore is not excavated and is noticed during inspection	Violation was pointed out
5b	Area under backfilling of mined out area	0.3 Ha	partly backfilled	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	

---

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	1.2	1.2	
6e	Cumulative no .of plants	-----	16600	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	0.17 Ha was proposed for backfilling	Not done as per the proposal.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	backfilled area to be planted	Partly done
6p	Compliance of environmental monitoring (core zone and buffer zone)	Monitoring to be done regularly	Monitoring is being carried out

---

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was proposed to consume entire ROM by the captive cement plant	The same was noticed.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised method is proposed	As per approved proposal	
7c	Different grade of mineral sorted out at mines.	Entire mineral zone is being used for cement manufacturing	As per approved proposals work is being carried out.	

---

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	It was proposed to generate topsoil, stacked seperately.	It was noticed that the topsoil generated was stacked seperately in the proposed areas.	

---

8b	Concurrent use or storage of topsoil	It was proposed to utilise the topsoil generated to be used for reclamation.	Very small quantity is utilised for reclamation and is used mainly for stacking outside the pit
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Seperate Topsoil dumps were proposed	The same were observed in the lease.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal for generation of waste/reject/ was made.	No generation of the same was noticed.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	It was proposed to reclaim 0.7 ha duirng the proposed plan period.	Very negligible area is reclaimed
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Area is agriculture non irrigated land and no such plantation is reported, however 1000 sapplings are proposed for plantation annually	1000 sapplings have been planted
8g	Survival rate	70%	65%
8h	Water sprinkling on roads to control airborne dust	it was proposed to use a water tanker for sprinkling water for suppression of dust in the mine.	It was noticed duirng the inspection that a water tanker with a capacity of 10,000 litre was used for the said purpose.

---

Compliance of Rule 45:

---

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

---

9a	Status of submission of Monthly and Annual returns	Monthly and annual returns are to be submitted regularly	Returns are being submitted regularly	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer : L SOMASEKHAR REDDY Geologist : M NANTA KUMAR	Above persons have been employed	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	i)Already exploited & abandoned by opencast (O/C) mining : 60.300 ii) Covered under current (O/C) Workings : 50.150 (iii)Reclaimed /Rehabilitated : 1.900 (iv)Used for waste disposal : 45.640 (v) Occupied by plant, buildings, residential, welfare buildings & roads : 3.660	i)Already exploited & abandoned by opencast (O/C) mining : 0 ii) Covered under current (O/C) Workings : 109.04 (iii)Reclaimed/Rehabilitated : 0 (iv)Used for waste disposal : 44.74 (v) Occupied by plant, buildings, residential, welfare buildings & roads : 5.72	DEVIATION OBSERVED IS POINTED OUT IN VIOLATION
9d	Scrutiny of Annual return on afforestation	1000 sapplings planted	Theabove afforestation is observed in the field	
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	Substantial quantity of stack is observed in the field but furnished as Nil.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs. 226 is same for Ex Mine price and Cost of Production	Rs. 226	The lease is for captive consumption

9k      Scrutiny of            Excavator :5      The above fleet of  
Annual return on      Drilling            machineries have been  
mining                    Machine : 2        deployed for mining  
machineries            Dumpers : 9        operation.  
                             Dozer : 1  
                             Pump : 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 11(1)	10/10/2018			
MCDR17	Rule 12(4)	10/10/2018			
MCDR17	Rule 31(4)	10/10/2018			
MCDR17	Rule 37(2)	10/10/2018			
	Rule 45(7)	10/10/2018			

**Date :**

**(SHRI IBRAHIM SARIF)**

Indian Bureau of Mines