

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/GNR/LST-24/HYD

Mine code : 38APR07026

- (i) Name of the Inspecting : **C\$10**) **Ch.Suseela**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : A.Janaki Rami Reddy, JGM (Mines)& M.Uday Bhaskar Rao,
Official with
Designation
- (iv) Date of Inspection : 28/08/2017
- (v) Prev.inspection date : 15/03/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KRISHNAPURAM (GO.469)**
- (b) **Registration NO.** : **IBM/613/2011**
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : GUNTUR
- Village : PONDUGALA
- Taluka : PIDUGURALLA
- Post office : PONDUGALA
- Pin Code : 522414
- FAX No. : 08689-28447
- E-mail : iclvpm@rediffmail.com
- Phone : 08689-28447
- (f) **Police Station** : DACHEPALLY
- (g) **First opening date** : 09/03/1988
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : THE INDIA CEMENTS LTD, VISHNUPURAM-WADAPALLY(PO)
MIRYALAGUDA TQ
NALGONDA DIST.
3. (a) **Lease Number** : APR0205
- (b) **Lease area** : 652.92
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 03/04/2007
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 : D.MURGANANDAM
 VISHNUPURAM WADAPALLY
 NALGONDA TELANGANA
 Phone: 22844447
 FAX : 08689

Mining Engineer

Name : CH.SRINIVAS,Full Time
 Qualification : BE (MINING)
 Appointment/ : 01/01/2007
 Termination date

Manager

Name : A.JANAKI RAMI REDDY
 Qualification : DIPOLMA IN MINING ENGINEERING
 Appointment/ : 21/12/2009
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	09/05/2002
Plan/Scheme of Mining	:	Modif.approved Mining Scheme	20/09/2004
	:	Modif.approved Mining Scheme	04/10/2005
	:	Renewal under rule 22 MCR1960	02/04/2007
	:	Mining Scheme rule 12 MCDR1988	30/11/2012
	:	Mining Scheme rule 12 MCDR1988	20/01/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	88 CBH, 3500 M	62 CBH, 3255 M	Violation of Rule 11(1) was pointed out to the lessee.
1b	Exploration over lease area for geological axis 1 or 2	_____	G1-292.60 ha G2-48.04 ha	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	_____	Natural Resources Development Co-op. Society Ltd. 51.75 Lakhs	
1d	Balance area to be explored to bring Geological axis in 1 or 2	_____	58.04 ha (G4)	
1e	Balance reserve as on 01/04/20	_____	136 million tonnes (111) 84.64 million tonnes (211) 119.11 million tonnes (221 & 222)	
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	The lease area is divided in to North Block, South Bolock and Corridor. The exploration was completed in North and South Block under G1.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	North East & South East	North East & South East	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Only Mineral Benches	Only Mineral Benches	
2c	Stripping ratio or ore to OB ratio	_____	1: 0.053	
2d	Quantity of topsoil generation in m3	NIL	3271 m3	

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	_____	_____	Development is going on as per the Proposals.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	14,00,000 tonnes	10,61,300 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	_____	100%	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	Not Applicable	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	Not Applicable	Not Applicable	
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	YES	YES	
3k	Provision of mining machineries in mineral benches	Excavators(backhoe), Tipper etc.	Excavators(backhoe), Tipper etc.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 6 to 7m	Yes, 6 to 7m	
3m	Total area covered under excavation/pits	36.05 ha	36.05 ha	
3n	Ore to OB ratio for the pit/mine during the year.	NIL	1:0.053	Small quantity of the top soil generated in between the out crops.
3o	Total area put in use under different heads at the end of year	37.27 ha	37.27 ha	
3p	Production of ROM mineral during the last five year period as applicable	2012-13--1.40 mill. tonnes, 2013-14---1.40 mill. tonnes, 2014-15---1.40 mill. tonnes, 2015-16--1.40 mill. tonnes, 2016-17--1.40 mill. tonnes	2012-13--0.89 mill. tonnes, 2013-14---0.83 mill. tonnes, 2014-15---0.73 mill. tonnes, 2015-16--0.98 mill. tonnes, 2016-17--1.06 mill. tonnes	
3q	General remarks of inspecting officers on method of mining etc.	_____	_____	Open cast fully mechanised method of Mining is being practiced.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NIL	NIL	

4b	Location of topsoil, OB and mineral reject dumps	N.A	N.A	
4c	Number of dumps within lease area and outside of lease area	NIL	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	N.A	N.A	
4e	Number of active and alive dumps.	N.A	N.A	
4f	Number of dead dumps.	NIL	NIL	
4g	Number of dumps established.	N.A	N.A	
4h	Whether Retaining wall or garland drain all along dumps are there.	N.A	N.A	
4i	Length of Retaining wall or garland drain all along dumps	N.A	N.A	
4j	Number of settling ponds	NIL	NIL	No waste is being generated. Total ROM is being utilised for cement manufacturing.

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	N.A	N.A	
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.	_____	_____	Mineral is not extracted fully, hence back filling does not arise.

Progressive Mine Closure 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) .	NIL	NIL	
6c	afforestation done (ha).	NIL	NIL	
6d	No. of saplings planted during the year	NIL	NIL	
6e	Cumulative no .of plants	NIL	NIL	
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 (L x B x D	NIL	NIL	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL	

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	NIL	NIL	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	NIL	NIL	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	1000 1.20 ha	4200 2.0 ha	
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)	Seasonal monitoring to be carried out as per Cir. No. 3/92	Monitoring of Environmental parameters is being carried out .	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	_____	_____	Progressive Mine closure operations are being carried out as per the proposals.

Mineral Conservation:

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

7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not Applicable	Not Applicable	
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	_____	_____	Total ROM is being dispatched to cement plant. No grade wise sorting is envisaged.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	3271 m3	Utilised for plantation.
8b	Concurrent use or storage of topsoil	NIL	Plantation development.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NIL	NIL	
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)	N.A 1000	20,504 4200
8g	Survival rate	90%	90%
8h	Water sprinkling on roads to control airborne dust	Through water tanker and permanent water sprinklers	Through water tanker and permanent water sprinklers
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
9a	Status of submission of Monthly and Annual returns	Monthly and Annual Returns are being submitted within stipulated time.	Monthly and Annual Returns are being submitted within stipulated time.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri.Ch.Srinivas, Mines Manager cum Mining Engineer and Sri.K.Srinivas, Geologist	Sri.Ch.Srinivas, Mines Manager cum Mining Engineer and Sri.K.Srinivas, Geologist	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under pits- 36.05 ha, Roads & Bulds -1.22 ha	Area covered under pits- 36.05 ha, Roads & Bulds -1.22 ha	

9d	Scrutiny of Annual return on afforestation	4200 2.0 ha	4200 2.0 ha
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	21,544 (Closing Stock)	21,544 (Closing Stock)
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex.Mine Price- Rs. 193.70/-, COP- Rs.193.70/-	Ex.Mine Price-Rs. 193.70/-, COP- Rs.193.70/-
9h	Scrutiny of Annual return on fixed assets	304 crores for all the 3 mines & Plants	304 crores for all the 3 mines & Plants
9k	Scrutiny of Annual return on mining machineries	Excavator backhoe-4 Nos, Tippers-14, Air Compressor-1, water tanker-1	Excavator backhoe-4 Nos, Tippers-14, Air Compressor-1, water tanker-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)	23/10/2017			

Date :
(Ch.Suseela)

Indian Bureau of Mines