

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

**MCDR INSPECTION REPORT
Hyderabad regional office**

Mine file No : AP/NLG/LST-9/HYD

Mine code : 38APR14026

- (i) Name of the Inspecting : **RA15**) **Rajesh Kumar Das**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : SAHRI A.J.REDDY.Mines Manager
Official with
Designation
- (iv) Date of Inspection : 15/03/2016
- (v) Prev.inspection date : 14/03/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **LAKSHMIPURAM-II(GONO.131)**
- (b) **Registration NO.** :
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TELANGANA
- District : NALGONDA
- Village : IRIKIGUDEM
- Taluka : MIRYALAGUDA
- Post office : WADAPALLY
- Pin Code : 508355
- FAX No. : 08689-228447
- E-mail : iclvpm@rediffmail.com
- Phone : 08689-228580
- (f) **Police Station** : WADAPALLY
- (g) **First opening date** : 01/10/1985
- (h) **Weekly day of rest** : SUN
2. **Address for** : VISHNUPURAM
correspondance WADAPALLY
NALGONDA
3. (a) **Lease Number** : APR0156
- (b) **Lease area** : 323.12
- (c) **Period of lease** :
- (d) **Date of Expiry** : 16/02/2010
4. **Mineral worked** : LIMESTONE Main
CLAY (OTHERS) Associated
SHALE Associated

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

Geologist

Name : G.MANO HARREDDY, Full Time
 Qualification : M.SC (APPLIED GEOLOGY)
 Appointment/ : 06/02/2014
 Termination date

6. Date of approval of Mining	:	Modif.of approved Mining Plan	17/04/2008
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	25/03/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	15 Holes/ 549 Meter.	15 Holes/ 549 Meter.	
1b	Exploration over lease area for geological axis 1 or 2	66.1 Ha.	66.1 Ha-- 2014-15.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	---	Natural Resources Development Co-op. Society Ltd and Rs. 11 Lakhs.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	94 Ha.	94 Ha.	
1e	Balance reserve as on 01/04/20	36.085 Million Tonnes.	37.169 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	Pit 1:1st and 3rd Bench. Pit-2:first bench advancing face.	Pit 2:first bench advancing face.	Isolated Clay Pockets.. Pit 1:Only Praduction. Pit 2:Development & Production.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Only top 1 meter is waste.Over burden is for backfilling in worked out pit.	N I L.	N I L.
2c	Stripping ratio or ore to OB ratio	--	1:0.05.	
2d	Quantity of topsoil generation in m3	N I L.	N I L.	

2e	Quantity of overburden generation in m3	24028	24217	Soil mixed boulders.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		The development is broadly with in proposed area.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	02 pits	02 pits	
3b	Quantity of ROM mineral production proposed	14,00,000 Tonnes.	8,75,801 Tonnes	
3c	Recovery of sailable/usable mineral from ROM production		100%	
3d	Quantity of mineral reject generation	N I L.	N I L.	
3e	Grade of mineral rejects generation and threshold value declared.	N.A.	N A.	
3f	Quantity of sub grade mineral generation.	---	0.475 MILLION Tonnes.	
3g	Grade of sub grade mineral generation	---	SiO ₂ :14 % to 18%.	
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	115 mm dia holes. 15% to 20% base charge.80% to 85% Cumm Charge.	Provided.	Proovided as per Approved Scheme of Mining.
3k	Provision of mining machineries in mineral benches	Provided with shovel tipper combination.	As per proposal	Provided as per Scheme Of Mining.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM		Suitable machinery deployed.	
3m	Total area covered under excavation/pits		119.88 Ha.	
3n	Ore to OB ratio for the pit/mine during the year.	N I L.	1:0.05	
3o	Total area put in use under different heads at the end of year		Current Workings:119.88 ha. Occupied by plant & Buildings,Roads, etc.:6.78 ha. Waste dump:5.92 ha.	
3p	Production of ROM mineral during the last five year period as applicable	2010-11:1.40 Million Tonnes. 2011-12:1.40 Million Tonnes. 2012-13:1.40 Million Tonnes. 2013-14:1.40 Million Tonnes. 2014-15:1.40 Million Tonnes.	2010-11: 0.802 Million Tonnes. 2011-12:0.733 Million Tonnes. 2012-13:0.825 Million Tonnes. 2013-14:0.824 Million Tonnes. 2014-15:0.876 Million Tonnes.	
3q	General remarks of inspecting officers on method of mining etc.		The method of mining is by o/c method having bench height 5-8 meter with 3 benches.	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	N I L.	N I L.	Over Burden material is used for backfilling.
4b	Location of topsoil, OB and mineral reject dumps	N.A.	N.A.	North West of Mining Lease.
4c	Number of dumps within lease area and outside of lease area	N I L.	N I L.	Two old dumps.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	N.A.	N.A.	Center of Mining Lease.
4e	Number of active and alive dumps.	N.A.	One.	
4f	Number of dead dumps.	N.A.	one old dump stabilised observed.	
4g	Number of dumps established.	N.A.	ONE.	
4h	Whether Retaining wall or garland drain all along dumps are there.	N.A.	Yes.Garland already done.	
4i	Length of Retaining wall or garland drain all along dumps		along the dump.	
4j	Number of settling ponds	N I L.	N I L.	
4k	Specific comments of inspecting officer on waste dump management		There is no waste dump establish but two old dumps observed in mine in which one already stabilise .The waste material is dump into exhasted pit upto 1 meter.	

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.	N I L.	N I L.	

5b	Area under backfilling of mined out area	proposal given	8.36 ha -- Cumulative. with in proposed area.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	N I L.	N I L.
5d	Total area fully reclaimed and rehabilitated	N I L.	only upto one meter backfilled and plantation done.
5e	General remarks of inspecting officers on backfilling and reclamation etc.		only upto one meter backfilled with waste material. and plantation done.

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).	Submitted.		
6b	Area available for rehabilitation (ha) .	N I L.	N I L.	
6c	afforestation done (ha).	N I L.	N I L.	
6d	No. of saplings planted during the year		3500 nos	
6e	Cumulative no .of plants	17257 nos	16984 nos	
6f	Any other method of rehabilitation	N I L.	N I L.	
6g	Cost incurred on watch and care during the year			
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	N I L.	N I L.	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0.50 HA.	0.50 HA.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	0.50 HA	0.50 HA
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	N I L.	N I L.
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	N I L.	N I L.
6p	Compliance of environmental monitoring (core zone and buffer zone)	seasonal monitoring as per cir. no 3/92	Complied.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NA		
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	
7c	Different grade of mineral sorted out at mines.	NA	NA	

7d	Any beneficiation process at mines .	NA	NA
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		The low grade mineral is blend with high grade material to optimise maximum.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	No top soil generation.
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA but some waste generated is proposed for backfilling.	As per proposal.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Waste used for backfilling.	Waste used for backfilling.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Reclamation of work out pit.	Reclamation of work out pit.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	17357 nos(26.36 ha.)	16984 nos(21.04 ha.)	
8g	Survival rate		90%	

8h	Water sprinkling on roads to control airborne dust	Through water tanker & permanent water spraying.	As per proposal.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		No adverse impact observed.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted regularly AR upto 2014-15 & MR upto feb'16.		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information furnished.		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	o/c pit-119.88 ha., reclaimed-8.36 ha., waste disposal-5.922 ha.& infrastructure & roads-6.78 ha.		
9d	Scrutiny of Annual return on afforestation	3500 nos saplings		
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	20199 MT		
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex. mine price & cost of production -Rs 212/-, sale value nil		

9h	Scrutiny of Annual return on fixed assets	Fixed asset is not mentioned in AR.
9k	Scrutiny of Annual return on mining machineries	information furnished.

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 :
(Rajesh Kumar Das)

Indian Bureau of Mines