

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT 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 : **M015**) **MANISH K. MAINDIRATTA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 24/02/2017
- (v) Prev.inspection date : 15/03/2016

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 : **IRIKIGUEDEM**
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.MANOHARREDDY, Full Time
 Qualification : M.SC (APPLIED GEOLOGY)
 Appointment/ : 06/02/2014
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Modif.of approved Mining Plan 17/04/2008
 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	2015-16 = 15holes (525m) 2016-17 = 14 holes (490m)	2015-16 = 16 holes (621 m) 2016-17 = 13 holes (528mm)	
1b	Exploration over lease area for geological axis 1 or 2	413 ha	413 ha	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-	2015-16 = 9.87 lakhs 2016-17= 8.40 lakhs	
1d	Balance area to be explored to bring Geological axis in 1 or 2	-----	4.04 ha appx	
1e	Balance reserve as on 01/04/20	-	36.264 million tonnes as on 01.04.2016 35.604 million tonnes as on 01.02.2017	
1f	General remarks of inspecting officers on geology, exploration etc	---	---	Reserves augmentation and updating of geol plan and section not undertaken.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit - II first bench advancing face	Pit - II first bench advancing face	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Nil	NIL	
2c	Stripping ratio or ore to OB ratio	-	1:0.01	
2d	Quantity of topsoil generation in m3	Nil	Nil	

2e	Quantity of overburden generation in m3	2015-16= 23902 T 2016-17= 24172 till 01.02.2017	2015-16= 3333 T 2016-17=5433 till 01.02.2017	soil mixed boulders
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	---	----	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	02	02	
3b	Quantity of ROM mineral production proposed	2015-16= 1400000T 2016-17= 1400000 T	2015-16= 944626T 2016-17= 660461 T	
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.	NIL	NIL	
3g	Grade of sub grade mineral generation		Not Applicable as entire slow grade mineral is blended and utilised simultaneously.	
3h	Manual / Mechanised method adopted for segregating from ROM	--	Not Applicable.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Not Applicable	

3j	Provision of drilling and blasting in mineral benches	proposed	provided
3k	Provision of mining machineries in mineral benches	Proposed	provided
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM		Yes. bench height of 7-8m are maintained which are suitable for mechanised method of mining in general.
3m	Total area covered under excavation/pits		area put to use till Jan 2017 is workings= 6.78 hectare Infrastructure=123.49 ha. Waste dump 5.92 hectare
3n	Ore to OB ratio for the pit/mine during the year.		1:0.01
3p	Production of ROM mineral during the last five year period as applicable	2012-13= 1.4 million tonnes 2013-14= 1.4 million tonnes 2014-15= 1.4 million tonnes 2015-16= 1.4 million tonnes 2016-17 = 1.4 million tonnes	2012-13= 0.82 million tonnes 2013-14= 0.82 million tonnes 2014-15= 0.88 million tonnes 2015-16= 0.94 million tonnes 2016-17 = 0.66 million tonnes till Jan 2017)
3q	General remarks of inspecting officers on method of mining etc.	---	----

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed for reclamation at worked out pit	Undertaken accordingly.	
4b	Location of topsoil, OB and mineral reject dumps	Proposed for reclamation at worked out pit	Undertaken accordingly.	

4c	Number of dumps within lease area and outside of lease area	2	2	As per proposal
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)			As per proposal in the plan
4e	Number of active and alive dumps.	2	2	
4f	Number of dead dumps.	nil	NIL	
4g	Number of dumps established.	2	2	
4h	Whether Retaining wall or garland drain all along dumps are there.	----		Not provided
4j	Number of settling ponds	No proposal	NIL	
4k	Specific comments of inspecting officer on waste dump management	-----	-----	

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.	Matured area was proposed for back filling.	Being undertaken accordingly 2016-17 - 3333 cu meter was backfilled filled 2015-16 - 5433 cu meter was backfilled filled	
5b	Area under backfilling of mined out area	Nil	Nil	About 8.28 hectare area has been reclaimed till Jan 17.
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).	Submitted	-	
6b	Area available for rehabilitation (ha) .	Nil	Nil	worked out benches are not mature for rehabilitation
6c	afforestation done (ha).	NIl	NIl	worked out benches are not mature for rehabilitation
6d	No. of saplings planted during the year	No proposal	NIL	worked out benches are not mature for rehabilitation
6e	Cumulative no .of plants	No proposal	NIl	worked out benches are not mature for rehabilitation
6f	Any other method of rehabilitation	NIl	NIl	
6g	Cost incurred on watch and care during the year		----	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D		About 8 28 hectare has been backfilled and rehabilitated	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings		About 8 28 hectare has been backfilled and rehabilitated	

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area		About 8.28 hectare has been backfilled and rehabilitated
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir		-----
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal	NIL
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	2015-16= 500 saplings over 0.7 hectare 2016-17 =1000 saplings over 1.2 hectare	2015-16= 2020 saplings over 1.0 hectare
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	2015-16= 500 saplings over 0.7 hectare 2016-17 =1000 saplings over 1.2 hectare	2015-16= 2020 saplings over 1.0 hectare 2016-17 =500 saplings
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	seasonal monitoring being done
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	---	-----

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	NA	NA	Entire quantity has been dispatched to cement plant sorting of mineral is not envisaged.
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	

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	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Entire waste which is being generated is used for backfilling.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	proposed	being used as envisaged	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Reclamation of worked out pit	Reclamation of worked out pit underatken.	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	17357 Nos (26.36 ha)	7295 saplings
8g	Survival rate	90%	70%
8h	Water sprinkling on roads to control airborne dust	Through water tanker and permanent water sprinklers.	Complied

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		AR submitted for 2016-017 MR submitted till jan 17	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		As reported	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		As reported	
9d	Scrutiny of Annual return on afforestation	2015-16= 2020 saplings	as reported.	
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	Entire ROM is used		
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	CoP = 212/- PMT	----	

9k	Scrutiny of Annual return on mining machineries	As submitted
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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 :

(MANISH K. MAINDIRATTA)

Indian Bureau of Mines