

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

MCDR INSPECTION REPORT

Hyderabad regional office

Mine file No : AP/NLG/LST-1/HYD

Mine code : 38APR14011

- (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 : 13/03/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **VISHNUPURAM-I(G.O.NO.131)**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : **TELANGANA**
District : **NALGONDA**
Village : **WADAPALLY**
Taluka : **MIRYALAGUDA**
Post office : **WADAPALLY**
Pin Code : **508355**
FAX No. : **08689228427**
E-mail : **iclvpm@rediffmail.com**
Phone : **08689228447**
- (f) Police Station : **WADAPALLY**
- (g) First opening date : **16/01/1991**
- (h) Weekly day of rest : **SUN**
2. Address for : **VISHNUPURAM**
correspondance : **WADAPALLY**
: **NALGONDA DISTRICT**
3. (a) Lease Number : **APR0066**
- (b) Lease area : **513.68**
- (c) Period of lease :
- (d) Date of Expiry :
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 : J.V.V.S.N, PRASAD
 CHIEF G.M.(WORKS) RASSI
 CEMENT LTD. VISHNUPURAM
 NALGONDA TELANGANA
 Phone: 08689-63249
 FAX :

Mining Engineer

Name : CH.THIRUPATHI, Full Time
 Qualification : BE MINING
 Appointment/ :
 Termination date

Manager

Name : P.MALLESPPA
 Qualification : DIPLOMA IN MINING ENGINEERING
 Appointment/ :
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Mining Scheme rule 12 MCDR1988 16/10/2006
 MP modif under MCR 1960 08/03/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	2015-16 = NIL 2016-17 = 9 boreholes (200m)	2015-16 = NIL 2016-17 =under progress	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-	-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	102.66 ha	Exploration work under progress.	
1e	Balance reserve as on 01/04/20	-	Balance reserves as on 1st feb 2017=9.41million tonnes Balance reserves as on 1.04.2016= 10.12 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 I First bench advancing face , As per proposal	Mine is producing at less capacity due to less production of cement.
2c	Stripping ratio or ore to OB ratio	-	-	
2d	Quantity of topsoil generation in m3	2015-16 =1226 cu m 2016-17 =12895 cu m	2015-16 =9038 cu m 2016-17 =21471 cu m till 01.02.2017	
2e	Quantity of overburden generation in m3	NIL	NIL	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3b	Quantity of ROM mineral production proposed	2015-16=1400000T 2016-17=1400000T	2015-16=207478T 2016-17= 694427T (till jan 2017)	
3c	Recovery of sailable/usable mineral from ROM production		100%	
3d	Quantity of mineral reject generation	Nil	Nil	
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	NA	NA	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	
3j	Provision of drilling and blasting in mineral benches	proposed	Provided	
3k	Provision of mining machinerries in mineral benches	proposed	Provided	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM			The height of bench in mineral is suitable for method of mining.
3m	Total area covered under excavation/pits		58.78 hectare till 01.02.2017	
3n	Ore to OB ratio for the pit/mine during the year.	No OB	No OB	

3o	Total area put in use under different heads at the end of year		working=58.78 hectare infrastructure= 45.42 hectare
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= 1.35 million tonnes 2013-14= 1.37 million tonnes 2014-15= 0.89 million tonnes 2015-16= 0.21 million tonnes 2016-17= 0.69 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)		Top soil is being used for plantation as proposed.	
4b	Location of topsoil, OB and mineral reject dumps		No OB or mineral reject or generated in 2015-16 . However the top soil is being used for plantation.	
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)		Not Applicable.	
4e	Number of active and alive dumps.		NIL	
4f	Number of dead dumps.		NIL	
4g	Number of dumps established.		NIL	
4h	Whether Retaining wall or garland drain all along dumps are there.		NA	
4i	Length of Retaining wall or garland drain all along dumps		NA	

4j	Number of settling ponds		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.	Nil	Nil	
5b	Area under backfilling of mined out area	Nil	Nil	However cumulatively about 6.5 hectare area is reclaimed and plantation has been done over it.
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.	Nil	Nil	

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) .	No proposal was there for rehabilitation of worked out bench	Nil
6c	afforestation done (ha).	No proposal was there for rehabilitation of worked out bench	Nil
6d	No. of saplings planted during the year	----	No proposal was there for plantation on worked out bench.
6e	Cumulative no .of plants		No proposal was there for rehabilitation of worked out bench
6f	Any other method of rehabilitation		NA
6g	Cost incurred on watch and care during the year	----	----
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings		No proposal was there for reclamation and rehabilitation by backfilling
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal was there for reclamation and rehabilitation by backfilling	Not done
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir		No proposal was there for reclamation and rehabilitation by backfilling by filling water.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	----	---

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	2015-16= 1000 Nos saplings over 1.2 hectare 2016-17= 1000 Nos saplings over 1.2 hectare	2015-16= 500 Nos saplings over 0.5 hectare 2016-17= 200 Nos saplings over 0.3 hectare
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal in 2015-16	Not done
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	---	----
6p	Compliance of environmental monitoring (core zone and buffer zone)	proposed	monitoring being done accordingly.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Nil	Nil	Entire quantity has been dispatched to cement plant. Sorting of mineral is 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	

7e General remarks -
of inspecting -
officer on
Mineral
conservation and
beneficiation
issues

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	proposed	Top soil being removed separately and used concurrently for plantataion	
8b	Concurrent use or storage of topsoil	Proposed	Top soil being removed separately and used concurrently for plantataion	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	N.A	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	backfilin gof the mined out rock is not possible due to the absence of waste rock.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Not applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	2015-16= 1000 Nos saplings over 1.2 hectare 2016-17= 1000 Nos saplings over 1.2 hectare	2015-16= 500 Nos saplings over 0.5 hectare 2016-17= 200 Nos saplings over 0.3 hectare	
8g	Survival rate		90%	

8h	Water sprinkling on roads to control airborne dust	Through water tanker and permanent water sprinklers	Complied.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		MR submitted AR submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		As submitted in returns.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	-	As submitted in returns.	
9d	Scrutiny of Annual return on afforestation	-	As submitted	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	-	Nil generated	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	-	207478 T in 2015-16	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	-	131.64 Rs PMT	
9h	Scrutiny of Annual return on fixed assets	-	-	
9k	Scrutiny of Annual return on mining machineries		Machinery deployed.	

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
Rule 13(1)	21/03/2017	22/05/2017			
Rule 13(1)	21/03/2017	20/06/2017			

Date :

(MANISH K. MAINDIRATTA)

Indian Bureau of Mines