

**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 : **PR09**) **M.Pratap.Reddy**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : M. UDAY BASKER CHIEF MANAGER MINES
Official with
Designation
- (iv) Date of Inspection : 31/08/2017
- (v) Prev.inspection date : 24/02/2017

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	9 Boreholes have been proposed in the year 2016-17	The lessee has drilled 22 Boreholes	
1b	Exploration over lease area for geological axis 1 or 2	G1 Scale of exploration	G1 Scale of exploration has been carried out	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee company. Rs 3.18 lakhs.	Natural Resources Development Coop Society Ltd. Expenditure incurred is Rs.10.83 lakhs.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Mineable area has been explored to G1 scale of exploration.
1e	Balance reserve as on 01/04/20	8.82 Million Tonnes	9.205 Million Tonnes	The balance reserve is on heigher side due to less intake by the Plant.
1f	General remarks of inspecting officers on geology, exploration etc	It is simple sedimentary bedded deposit with the Proposed G1 scale of exploration	Simple bedded deposit where in G1 scale of exploration has been undertaken in the mineable area barring barrier zone.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Between Coordinates E4606 to E4909 and N4034 to 4351	Between Coordinates E4600 to E4860 and N4050 to 4330	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No such proposals have been made.	-	
2c	Stripping ratio or ore to OB ratio	1:0.01	1:0.04	

2d	Quantity of topsoil generation in m3	No such proposal has been made.	-	
2e	Quantity of overburden generation in m3	12895 T	31694	The OB is in the form of weathered varigated Limestone admixed with thin mantle of soil.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The development cum production is proposed in the first bench at defined locale..	The development cum production is done at proposed location.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two	Two	
3b	Quantity of ROM mineral production proposed	14,00,000 T Limestone.	8,83,641 T Limestone.	
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.	No such proposal has been made.	-	
3f	Quantity of sub grade mineral generation.	No such proposal has been made.	Nil	
3g	Grade of sub grade mineral generation	No such proposal has been made.	-	
3h	Manual / Mechanised method adopted for segregating from ROM	No such proposal has been made.	-	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposal has been made.	-	
3j	Provision of drilling and blasting in mineral benches	Yes	The provision for drilling and blasting in mineral benches is being done	
3k	Provision of mining machineries in mineral benches	Yes	Provided	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	The height of benches in mineral is suitable for method of mining.	
3m	Total area covered under excavation/pits	61.39 ha	60.154 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.01	1:0.04	
3o	Total area put in use under different heads at the end of year	108.58 ha	106.144 ha	
3p	Production of ROM mineral during the last five year period as applicable	2012-13=1.4 MT, 2013-14=1.4 M T, 2014-15= 1.4 M M T, 2015-16= 1.4 M T & 2016-17= 1.4 MT.	2012-13=1.35 MT, 2013-14=1.37 M T, 2014-15= 0.89 M T, 2015-16= 0.21 M M T & 2016-17= 0.88MT.	Production achieved is less than the targetted due less intake by the Plant.
3q	General remarks of inspecting officers on method of mining etc.	Opencast mechanised method of mining.	As proposed, the method of mining carried out is open cast mechanised method.	

Solid Waste Management - Dumping:

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

4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No such proposal is made.	However, the top layer containing weathered limestone admixed with soil is productively used in afforestation.
4b	Location of topsoil, OB and mineral reject dumps	No such proposal is made.	-
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)	No such proposal is made.	-
4e	Number of active and alive dumps.	Nil	Nil
4f	Number of dead dumps.	Nil	Nil
4g	Number of dumps established.	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No such proposal is made.	-
4i	Length of Retaining wall or garland drain all along dumps	No such proposal is made.	-
4j	Number of settling ponds	No such proposal is made.	Nil
4k	Specific comments of inspecting officer on waste dump management	No waste generation and waste dump management proposals have been made.	-

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.	No such proposal in the year 2016-17 is made.	-	

5b	Area under backfilling of mined out area	During 2016-17 - nil proposal	-	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	-	
5d	Total area fully reclaimed and rehabilitated	No such proposal in the year 2016-17 is made.	-	However an extent of 6.65 ha has been fully reclaimed and rehabilitated.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Nil	A cumulative extent of 6.65 ha has been fully reclaimed and rehabilitated.	

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).	Yes	submitted	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	Yes	Done	
6d	No. of saplings planted during the year	1000 saplings	1450 saplings	
6e	Cumulative no .of plants	9000 saplings	9567 saplings	
6f	Any other method of rehabilitation	None	-	
6g	Cost incurred on watch and care during the year	No details have been proposed	No information with regards to cost incurred on watch and ward is furnished.	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No such proposal during 2016-17	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No such proposal during 2016-17	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No such proposal during 2016-17	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposal during 2016-17	-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No such proposal during 2016-17	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	1000 saplings	1450 saplings
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No such proposal during 2016-17	-
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No such proposal during 2016-17	-

6p	Compliance of environmental monitoring (core zone and buffer zone)	Monitoring of environmental parameters on quarterly basis.	As proposed quarterly monitoring of environmental parameters has been undertaken in both core and buffer zones and the parameters are found within permissible limits.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No progressive closure operations have been proposed.	Afforestation programme as proposed has been implemented and quarterly monitoring of Environmental parameters have been periodically undertaken and all the parameters are found to be within permissible limits.

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	1.4 million tonnes	0.88 million tonnes	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No such proposal has been made.	-	
7c	Different grade of mineral sorted out at mines.	No such proposal has been made.	-	
7d	Any beneficiation process at mines	No such proposal has been made.	Except sizing, no beneficiation is done.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No recovery loss is envisaged.	The entire ROM is consumed and there is no recovery loss.	

Environment:

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

8a	Separate removal and utilization of topsoil (Rule 32)	No such proposal during 2016-17	-
8b	Concurrent use or storage of topsoil	No such proposal during 2016-17	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No such proposal during 2016-17	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such proposal during 2016-17	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No such proposal during 2016-17	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Existing plantation=900 saplings and Plantation=100 0 saplings	Existing plantation=9567 saplings and Plantation=1450 saplings
8g	Survival rate	85%	85%
8h	Water sprinkling on roads to control airborne dust	Proposed	periodical water sprikling is done arrest airborn dust.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Afforestation is proposed to add aesthithic beauty in and around mines area.	As proposed, plantation is done which adds aesthithic 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	MR shall be submitted before 10th of every month in respect of preceding month. AR which shall be submitted before 1st July each year for the preceding Financial Year.	Submitted
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	To be furnished	Furnished.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	To be furnished	Furnished.
9d	Scrutiny of Annual return on afforestation	To be furnished	Furnished
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	To be furnished	Furnished to be nil.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	To be furnished	Furnished to be nil.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	To be furnished.	Ex.mine price furnished to be Rs 155.54
9k	Scrutiny of Annual return on mining machineries	To be furnished	Furnished.

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

Date :

(M.Pratap.Reddy)

Indian Bureau of Mines