

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

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/CDP/L.ST-3/HYD

Mine code : 38APR04002

- (i) Name of the Inspecting : PG01) P.GURUVAIAH
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Rami Reddy, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 30/10/2017
- (v) Prev.inspection date : 11/03/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : NIDUZUVVI
- (b) **Registration NO.** :
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : CUDDAPAH
- Village : NIDUZUVVI
- Taluka : KAMALAPURAM
- Post office : YERRAGUNTALA
- Pin Code : 516309
- FAX No. : 08563-75158
- E-mail :
- Phone : 08563-201493
- (f) **Police Station** : YERRAGUNTALA
- (g) **First opening date** : 11/01/1978
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : M/S THE INDIA CEMENTS LTD.
YERRAGUNTALA
KADAPA DT.
3. (a) **Lease Number** : APR0020
- (b) **Lease area** : 335.06
- (c) **Period of lease** : 30
- (d) **Date of Expiry** : 16/01/2024
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.B.K.MURTHY
 M/S INDIA CEMENTS LIMITED
 YERRAGUNTLA KADAPA CUDDAPAH
 ANDHRA PRADESH
 Phone: 08563-275158
 FAX : 08563-275154

Mining Engineer

Name : N.JAYABHARATREDDY,Full Time
 Qualification : B.E(MINING)
 Appointment/ : 06/08/2011
 Termination date

Mining Engineer

Name : G.VENKATESWARLU,Full Time
 Qualification : B.E(MINES)
 Appointment/ : 09/02/2008
 Termination date

Geologist

Name : D.P.MUKHERJEE,Part Time
 Qualification : M.TECH APPLIED GEOLOGY
 Appointment/ :
 Termination date

Geologist

Name : B.RAVI,Full Time
 Qualification : M.SC (GEOLOGY) (UNIVERSITY OF MADRAS)
 Appointment/ : 04/10/2017
 Termination date

Manager

Name : MD. NIYAZI
 Qualification : B.E. & FCC
 Appointment/ : 15/10/2007 06/08/2011
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Renewal under rule 22 MCR1960 23/05/1997
 Mining Scheme rule 12 MCDR1988 23/10/2000
 Mining Scheme rule 12 MCDR1988 05/03/2004
 Mining Scheme rule 12 MCDR1988 24/04/2009
 Renewal under rule 24 MCR1960 22/08/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal.	Nil	Nil
1b	Exploration over lease area for geological axis 1 or 2	Core bore holes 12 with 19.76 ha.	Drilled 12 CBH holes with 19.76 ha	Drilled 12 CBH holes with 19.76 ha
1c	Exploration Agencies and Expenditure in lakh rupees during the year	10,80,000	10,80,000	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	84.2 ha	-	-
1e	Balance reserve as on 01/04/20	25.771 Million Tons.	27.6 Million Tons.	-
1f	General remarks of inspecting officers on geology, exploration etc	CBH holes 12 with 19.76 ha.	drilled CBH holes 12 with 19.76 ha.	-

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	First bench advancing face.	First bench advancing face.	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal.	Nil	Nil
2c	Stripping ratio or ore to OB ratio	1 : 0 . 02	1: 0 . 04	-
2d	Quantity of topsoil generation in m3	Nil	Nil	-
2e	Quantity of overburden generation in m3	16865	10500	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Tabular deposit.	Tabular deposit.	-
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	-
3b	Quantity of ROM mineral production proposed	10,002,33	4,06,700	-
3c	Recovery of sailable/usable mineral from ROM production	90%	100 %	-
3d	Quantity of mineral reject generation	Nil	Nil	-
3e	Grade of mineral rejects generation and threshold value declared.	N.A	N.A	-
3f	Quantity of sub grade mineral generation.	Nil	Nil	-
3g	Grade of sub grade mineral generation	N.A	N.A	-
3h	Manual / Mechanised method adopted for segregating from ROM	N.A	N.A	N.A
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	N.A	N.A	N.A
3j	Provision of drilling and blasting in mineral benches	Deep hole drilling and blasting.	Deep hole drilling and blasting.	-

3k	Provision of mining machineries in mineral benches	Excavator-1,Dumpers-3,Drill-compressor-1.	Excavator-1,Dumpers-3,Drill-compressor-1.	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Minreal -8m.	Mineral -8m.	-
3m	Total area covered under excavation/pits	49.67 ha.	40.0ha	-
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0 . 02	1 : 0 . 04	-
3o	Total area put in use under different heads at the end of year	Mining= 49.67 ha top soil= 12.02 ha, Infrastructure ;1.4 ha, Road=0.76 ha, Green Belt =8.15 ha.	Mining=40.0 ha, Top soil= 12.02 ha,Infrastructure =1.4 ha, Road = 0.76 ha, Green Belt=8.15 ha.	-
3p	Production of ROM mineral during the last five year period as applicable	2012-13= 1.0Mill.Tons, 2013-14=1.0Mill.Tons, 2014-15=1.0 mill.Tons, 2015-16= 1.0 Mill.Tons, 2016-17 =1.0 mill.Tons.	2012-13=0.59 mill.Tons, 2013-14 =0.54 mill.Tons, 2014-15= 0.56 mill.Tons, 2015-16=0.38 mill.Tons, 2016-17= 0.41 mill.Tons.	-
3q	General remarks of inspecting officers on method of mining etc.	Open cost Mechanised method.	Open cost 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)	Provided.	yes	-

4b	Location of topsoil, OB and mineral reject dumps	West and North Western side of the Mining lease.	West and North Western side of the Mining lease	-
4c	Number of dumps within lease area and outside of lease area	Two dumps within the lease.	Two dumps within the lease.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	N.A	N.A	-
4e	Number of active and alive dumps.	01	01	-
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	Nil	-
4i	Length of Retaining wall or garland drain all along dumps	N.A	Nil	-
4j	Number of settling ponds	Nil	Nil	-
4k	Specific comments of inspecting officer on waste dump management	Two dumps within mining lease area.	Two dumps within mining lease area.	-

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	-

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.	No proposal.	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.	Yes.	-
6b	Area available for rehabilitation (ha) .	Nil	Nil	-
6c	afforestation done (ha).	Nil	Nil	-
6d	No. of saplings planted during the year	Nil	0.5 ha	Plantation along mines, haul road ano office premises.
6e	Cumulative no .of plants			
6p	Compliance of environmental monitoring (core zone and buffer zone)	monitered.	complied.	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	submitted.	Yes.	-

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	10,002,33	4,067,00	Total Rom utilised in plant.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	N.A	N.A	-
7c	Different grade of mineral sorted out at mines.	N.A	N.A	-
7d	Any beneficiation process at mines	N.A	N.A	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	N.A	N.A	-

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate and utilized	Separate and utilized for plantation.	-
8b	Concurrent use or storage of topsoil	Stacking at mine lease boundaries	Stacking at mine lease boundaries and some of the top soil also used for plantation.	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal.	Nil	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Nil	-

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	Nil	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1000,Nos.	1700 Nos.	-
8g	Survival rate	90 %	95 %	-
8h	Water sprinkling on roads to control airborne dust	Through water tanker & permanent water sprinklers.	Through water tanker	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No proposal.	Except degraded area rest of the area not disruded.	-

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly, Annual returns submitted.	Monthly return up to Sept,2017 submitted.,Annual return 2016-17 submitted.	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	K Rami Reddy, Manager, B.Ravi, Geologist, & J.Pradeep kumar, Minming Engineer were present and employed in the mine	K Rami Reddy, Manager, B.Ravi, Geologist, & J.Pradeep kumar, Minming Engineer were present and employed in the mine	-

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Already exploited & abandoned by opencast (O/C) mining 0.000 (ii) Covered under current Workings (O/C) 37.850 (iii) Reclaimed/Rehabilitated 0.000 (iv) Used for waste disposal 0.000 (v) Occupied by plant, buildings, residential, welfare buildings & roads 2.160 (vi) Other Purpose (Plantation) 1.200	(i) Already exploited & abandoned by opencast (O/C) mining 0.000 (ii) Covered under current Workings 40.0 (iii) Reclaimed/Rehabilitated 0.000 (iv) Used for waste disposal 12.02 (v) Occupied by plant, buildings, residential, welfare buildings & roads 1.40 (vi) Other Purpose (Plantation) 1.20	-
9d	Scrutiny of Annual return on afforestation	1578	1700	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	N.A	Nil	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	N.A	Nil	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs=280	Rs=280	-
9k	Scrutiny of Annual return on mining machineries	Shovel-2, Dumper-4, Drilling Machine-1, Explosive Van-1, Water Tank-1	Shovel-2, Dumper-4, Drilling Machine-1, Explosive Van-1, Water Tank-1	-

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
MCDR17	Rule 26(2)	30/11/2017	09/01/2018				
	Rule 47	30/11/2017	09/01/2018				

Date :**(P.GURUVAIAH)**

Indian Bureau of Mines