

**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 : **M001** ) **S K MUDULI**  
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 02/12/2019
- (v) Prev.inspection date : 23/07/2018

**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 : **M/S THE INDIA CEMENTS LTD.**  
correspondance : **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  
 MP modif under 17(3) MCR 2016 24/05/2019

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	18 Nos BoreHole	18 nos	Exploration under progress for the proposed year 2019-20.
1b	Exploration over lease area for geological axis 1 or 2	About 335.06 Ha	About 297.58 Ha	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No such proposal	Natural Resources Development Co-Operative Society Limited (NRDCS).	Expenditure incurred for the value of Rs. 28,71,088/- (For 2017-18 and 2018-19 Exploration)
1d	Balance area to be explored to bring Geological axis in 1 or 2	60 Ha	26.18 Ha	About 37.48 Ha to be explored in 2019-20 and exploratory operation already started.
1e	Balance reserve as on 01/04/20	-	84.47 Million tonnes (UNFC Category-111)	
1f	General remarks of inspecting officers on geology, exploration etc	-	-	The limestone deposit belongs to Narji formation of Kurnool group. Exploration of Block-3 is to be carried out.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Block-1(Bench-III) -N-173 to N534 &W-600 to W-795 Block-2(Bench-1)-S255 to N12, W670 to W 808 Bench-II -S42 to S 294, W401 to W702	Lessee tentatively carried out the production from the proposed area.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	1.5m height

2c	Stripping ratio or ore to OB ratio	Nil	Nil	There is no OB and waste.
2d	Quantity of topsoil generation in m3	19949 m3	23400 m3	
2e	Quantity of overburden generation in m3	Nil	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mechanised open cast method of mining is being carried out.

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two	two	-
3b	Quantity of ROM mineral production proposed	9,99,828 Tonnes	6,40,350 Tonnes	-
3c	Recovery of sailable/usable mineral from ROM production	90%	100%	-
3d	Quantity of mineral reject generation	No proposal for 2018-19	Nil	-
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	NA,Thresh hold Value-CaO%>34% and MgO%<5%	-
3f	Quantity of sub grade mineral generation.	No Proposal for 2018-19	Nil	-
3g	Grade of sub grade mineral generation	Not applicable.	-	NA
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal for 2018-19	Nil	-

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal for 2018-19	Nil	The average grade of the deposit is upto the grade required by the Cement Plant.
3j	Provision of drilling and blasting in mineral benches	DTH Drilling(115mm), Deep Hole Blasting with Nonel initiation system (Burden-4m,Spacing-5m,Depth-8m)	DTH Drilling(115mm), Deep Hole Blasting with Nonel initiation system (Burden-4m,Spacing-5m,Depth-8m)	-
3k	Provision of mining machineries in mineral benches	Excavator-3No.s Dumpers-2 No.s, Tippers-3 Nos Drill+ Compressor-1 Nos	Excavator-3No.s Dumpers-2 No.s, Tippers-3 Nos Drill+ Compressor-1 Nos	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Machinery digging height is compatible to bench height.	
3m	Total area covered under excavation/pits	49.67 Ha	44.95 Ha	-
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil	No overburden in the mining lease area
3o	Total area put in use under different heads at the end of year	Area under excavations-49.67 Ha Waste dump, bund,top soil dump-12.02 Ha Plants,buildings and roads-2.16 Ha	Area under excavations-49.67 Ha Waste Dump and bund,top soil dump-10.25 Ha Plants,buildings and roads-5.89 Ha	-

3p	Production of ROM mineral during the last five year period as applicable	2014-15 - 1000575 tonnes 2015-16 - 999851 tonnes 2016-17 - 1000233 tonnes 2017-18 - 999461 tonnes 2018-19 - 999828 tonnes	2014-15 -385550 tonnes 2015-16 -337500 tonnes 2016-17 -406700 tonnes 2017-18 -533250 tonnes 2018-19 -640350 tonnes	-
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3q	General remarks of inspecting officers on method of mining etc.	Mechanised open cast method of mining with deep hole drilling and blasting technique is adopted.
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## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes top soil dump proposed	In 2018-19, the topsoil generated 23400 cubic meter and the same utilized plantation.	One old top soil dump exists.
4b	Location of topsoil, OB and mineral reject dumps	Out side the UPL	Located out side the UPL	
4c	Number of dumps within lease area and outside of lease area	No proposal for dumping of waste. 2 nos top soil dump.	1 nos old quarry slab dumps exists	1 top soil dump, 1-Mineral stack yard exists within the mining lease
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Out side UPL	Out side UPL	
4e	Number of active and alive dumps.	No proposal for 2018-19	1 no slab quarry waste	1 top soil dump, 1-Mineral stack yard exists within the mining lease are active
4f	Number of dead dumps.	No proposal for 2018-19	Nil	
4g	Number of dumps established.	No proposal for 2018-19	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal for 2018-19	Nil	

4i	Length of Retaining wall or garland drain all along dumps	No proposal for 2018-19	Nil	
4j	Number of settling ponds	No proposal for 2018-19	Nil	
4k	Specific comments of inspecting officer on waste dump management	NA	NA	Dump of slab quarry found within the mining lease.

#### 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 proposal for 2018-19	Nil	
5b	Area under backfilling of mined out area	No proposal for 2018-19	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal for back filling for 2018-19.	Nil	In 2018-19, the topsoil generated 23400 cubic meter and the same utilized plantation.
5d	Total area fully reclaimed and rehabilitated	No proposal for 2018-19	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	Mineral is yet to be completely mined out and till date no part of the mining lease is matured for back filling.

#### Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Need to submit	Submitted	-
6b	Area available for rehabilitation (ha) .	No proposal for 2018-19 in respect of management of mined out areas and worked out benches	Nil	-
6c	afforestation done (ha).	-do-	Nil	
6d	No. of saplings planted during the year	-do-	Nil	
6e	Cumulative no .of plants	-do-	Nil	
6f	Any other method of rehabilitation	-do-	Nil	
6g	Cost incurred on watch and care during the year	No proposal for 2018-19 in respect of management of mined out areas and worked out benches	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal for 2018-19 in respect of reclamation and rehabilitation by back filling	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	-do-	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	-do-	Nil	



6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	-do-	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	-do-	Nil	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	1000 nos in 1.2 Ha (Plantation proposed along road safety zone within the ML)	2520 nos in 2.40 Ha	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal for 2018-19	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal for 2018-19	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental Monitoring	It is being complied.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	Environmental parameters qualities are within the permissible limits.

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	No grade wise sorting proposed. Entire ROM production to be despatched( 9,99,828 Tonnes)	Grade wise sorting has not been carried out. 6,40,350 Tonnes despatched.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal for 2018-19	Nil	
7c	Different grade of mineral sorted out at mines.	No proposal for 2018-19	Nil	
7d	Any beneficiation process at mines .	No proposal for beneficiation. Only crushing proposed for 2018-19	Crushing	The average grade of the deposit is upto the required grade and does not require any beneficiation.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No grade wise sorting is being done within the mining lease.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal of top soil and its utilisation for Green Belt Development proposed.	Top soil removed separately and utilised for GBD.	
8b	Concurrent use or storage of topsoil	Stcking along lease boundary	Not stacked.	Utilised for plantation and green belt development.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal for 2018-19	Nil	Proposed area of mining does not have OB,Waste,Mineral reject

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal for 2018-19	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal for 2018-19	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1000 nos in 1.20 Ha	2520 nos in 2.40 Ha	
8h	Water sprinkling on roads to control airborne dust	Through water tanker and permanent water sprinklers	Being carried out	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	In Eastern part of the ML no of Slab Quarry and dumps are there.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual returns has to be submitted regularly	Submitting Regularly	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer-Shri. Saidul & Geologist-Sri B.Ravi	Mining Engineer-Shri. K.Rami Reddy & Geologist-Sri B.Ravi	

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9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	To be submitted	Area Covered under excavation and pit-44.95 Ha Total area put to use-63.41 Ha
9d	Scrutiny of Annual return on afforestation	2520 nos	2520 nos
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	ROM Stock-Nil	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of Production-Rs. 242.32/- Per tonnes Sale Value-Rs 0.00/Tonne Ex Mine Price-Rs 242.32/- Per Tonne	Cost of Production-Rs. 242.32/- Per tonnes Sale Value-Rs 0.00/Tonne Ex Mine Price-Rs 242.32/- Per Tonne
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets (in Rs.) 156966666.00	Value of Fixed Assets (in Rs.) 156966666.00 -
9k	Scrutiny of Annual return on mining machineries	Excavator-3No.s Dumpers-2 No.s, Tippers-3 Nos Drill+ Compressor-1 No.s	Excavator-3No.s Dumpers-2 No.s, Tippers-3 Nos Drill+ Compressor-1 No.s

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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 :**

(S K MUDULI)

Indian Bureau of Mines