

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

**MCDR inspection REPORT  
Hyderabad regional office**

**Mine file No :** AP/GNR/LST-24/HYD

**Mine code :** 38APR07026

- (i) Name of the Inspecting : **RK13** ) **A.V.Ramesh Kumar**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : SRI Y.SAIDULU, MINES MANAGER  
Official with  
Designation
- (iv) Date of Inspection : 06/04/2023
- (v) Prev.inspection date : 28/07/2022

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **KRISHNAPURAM (GO.469)**
- (b) **Registration NO.** : **IBM/613/2011**
- (c) **Category** : **A Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **ANDHRA PRADESH**
- District : **GUNTUR**
- Village : **PONDUGALA**
- Taluka : **PIDUGURALLA**
- Post office : **PONDUGALA**
- Pin Code : **522414**
- FAX No. : **08689-28447**
- E-mail : **vpm\_planthead@indiacements**
- Phone : **08689-28447**
- (f) **Police Station** : **DACHEPALLY**
- (g) **First opening date** : **09/03/1988**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **THE INDIA CEMENTS LTD, VISHNUPURAM-WADAPALLY(PO)**  
**MIRYALAGUDA TQ**  
**NALGONDA DIST.**
3. (a) **Lease Number** : **APR0205**
- (b) **Lease area** : **652.92**
- (c) **Period of lease** : **50**
- (d) **Date of Expiry** : **03/04/2037**
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 : Mrs laxmi Aparna Srikumar  
 Coromandal tower, 93,  
 Santhome High Avenue, raja  
 Annamalaipuram, Chennai  
 CHENNAI CITY TAMIL NADU  
 Phone:  
 FAX :

Agent : SATYENDRA KATIIYAR  
 VISHNUPURAM CEMENT WORKS  
 DAMARCHERLA MANDAL NALGONDA  
 DISTRICT NALGONDA TELANGANA  
 Phone: 08689-228580  
 FAX :

Geologist  
 Name : P.PADMARAJU,Full Time  
 Qualification : MSC GEOLOGY  
 Appointment/ : 27/12/2022  
 Termination date

Manager  
 Name : Y SAIDULU  
 Qualification : BTECH MINING  
 Appointment/ : 16/06/2021  
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	09/05/2002
Plan/Scheme of Mining		Modif.approved Mining Scheme	20/09/2004
		Modif.approved Mining Scheme	04/10/2005
		Renewal under rule 22 MCR1960	02/04/2007
		Mining Scheme rule 12 MCDR1988	30/11/2012
		Mining Scheme rule 12 MCDR1988	20/01/2017
		MP review under 17(1) MCR 2016	06/01/2022

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration was proposed during the year 2022-23	During the year 23 Boreholes were carried out with a total meterage of 2591 meters.	No comments to offer.
1b	Exploration over lease area for geological axis 1 or 2	No proposal during the year 2022-23	During the year 23 bore holes were drilled.The entire potentially mineralised area was covered under G1 scale.	The exploration activity was completed on 31.03.2023.The lessee was advised to submit a Geological report within three months from the date of completion of the drilling/explorati on.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal.	The exploration was carried out by M/s Natural Resources Development society Limited(NRDCS),Hyderabad . Drilling expenditure incurred about Rs.23 Lakhs.	No comments to offer.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	The entire potentially mineralised area is covered under G1 scale of exploration.	No comments to offer.Till date the lessee has drilled about 325 bore holes coverig the entire potentially mineralised area under G1 scale.
1e	Balance reserve as on 01/04/20	----	The reserves as 1.4.2022 are 552.273 million tonnes	No comments to offer.
1f	General remarks of inspecting officers on geology, exploration etc	----	The lessee has carried out exploration over entire potentially mineralised area under G1 scale.	The lessee has complied with the provisions of MCDR,2017 pertaining to drilling/explorati on.The Limestone deposit of the Mining lease falls under the Palnadu basin which is equivalent of Narji formation of Kurnool basin.

## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It was proposed to carry out the excavation of limestone at South East part of the lease during the year 2022-23.	The excavation of the limestone being done from the site as proposed.	No deviation noticed.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Seperate benches in Topsoil and Limestone proposed.	One bvench in topsoil and four benches in mineral were observed during the inspection.	No deviation noticed.
2c	Stripping ratio or ore to OB ratio	As there is no OB,no stripping ratio calculated	None	No comments to offer.
2d	Quantity of topsoil generation in m3	7200 Cubic meters	4514 Cubic meters.	It was informed that the excavation of the mineral was done at less than 50% of the proposed target as such the topsoil generation was on lesser side.
2e	Quantity of overburden generation in m3	None	None	No comments to offer.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The proposal was to excavate on South East side of the lease. by developing benches in Limestone and Topsoil	The development being done as proposed.	No deviation noticed.

## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	One	One	No deviation.
3b	Quantity of ROM mineral production proposed	1.4 Million tonnes	0.662 Million tonnes	As the production is less than 50%, a violation letter issued to the lessee.
3c	Recovery of sailable/usable mineral from ROM production	It was proposed to use the entire ROM for the cement plant.	Same was noticed during the inspection.	No deviation.
3d	Quantity of mineral reject generation	Nil	Nil	None
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	None
3f	Quantity of sub grade mineral generation.	Nil	None	None
3g	Grade of sub grade mineral generation	Nil	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	None	None	None
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	None
3j	Provision of drilling and blasting in mineral benches	It was proposed to carry out drilling by 115 mm dia and blasting by ANFO.	Same was noticed during the inspection.	No deviation.
3k	Provision of mining machineries in mineral benches	It was proposed to use Back hoe and tippers for excavating the mineral and transporting the same.	same was noticed during the inspection.	No deviation.

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed to maintain a height of 7 meters	Same was observed during the inspection.	No deviation.
3m	Total area covered under excavation/pits	45.84 ha	43.41 ha	The deviation is due to less development/production.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.01	1:0.01	No deviation.
3o	Total area put in use under different heads at the end of year	Pit - 45.84 ha Others - 2.26 ha	Pit - 43.41 ha Others - 2.26 ha	No comments to offer.
3p	Production of ROM mineral during the last five year period as applicable	2018-19 - 1.4 million tonnes 2019-20 - 1.4 million tonnes 2020-21 - 1.4 million tonnes 2021-22 - 1.4 million tonnes 2022-23 - 1.4 million tonnes	2018-19 - 1.33 million tonnes 2019-20 - 1.04 million tonnes 2020-21 - 0.648 million tonnes 2021-22 - 0.655 million tonnes 2022-23 - 0.662 million tonnes	There is a deviation in the production during the last three years, a violation letter issued.
3q	General remarks of inspecting officers on method of mining etc.	It was proposed by the lessee to produce 1.4 million tonnes per year.	The lessee has produced 0.662 Million tonnes during 2022-23.	A violation letter issued.

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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)	It was proposed to utilise the topsoil generated for plantation purpose.	Same was noticed during the inspection.	No deviation.
4b	Location of topsoil, OB and mineral reject dumps	The topsoil generated is being utilised concurrently for plantation purpose on the western side of the lease.	same was noticed during the inspection.	No deviation.

4c	Number of dumps within lease area and outside of lease area	None	None	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	None	None	No dumps are there within or outside the mining lease as on date of inspection.
4e	Number of active and alive dumps.	None	None	None
4f	Number of dead dumps.	None	None	None
4g	Number of dumps established.	None	None	None
4h	Whether Retaining wall or garland drain all along dumps are there.	None	None	None
4i	Length of Retaining wall or garland drain all along dumps	None	None	None
4j	Number of settling ponds	None	None	None

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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.	There is no proposal for reclamation during the year 2022-23.	No area mature for reclamation purpose during the year 2022023.	No deviation.
5b	Area under backfilling of mined out area	None	None	None
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	None	None	None
5d	Total area fully reclaimed and rehabilitated	None	None	None

5e	General remarks of inspecting officers on backfilling and reclamation etc.	None	None	No area matured for reclamation purpose during the year 2022-23.
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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	Yes	No deviation.
6b	Area available for rehabilitation (ha) .	1.20 ha	37 ha	No deviation.
6c	afforestation done (ha).	1000 saplings	17830 saplings	No deviation.
6d	No. of saplings planted during the year	1000 no.s	17830 no.s	No deviation.
6e	Cumulative no .of plants	---	36380 no.s	No comments to offer.
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	---	It was reported by the lessee that about Rs.3,70,000/- was incurred during the year 2022-23.	No comments to offer.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	None	None	None
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None	None	None



6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	None	None	None
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None	None	None
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	None	None	None
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	None	None	None
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	None	None	None
6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed to carry out quarterly monitoring of the environmental parameters.	Regular quarterly monitoring of environmental parameters being carried out and the all the parameters are within permissible limits.	No deviation.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	---	The lessee is implementing all the proposals as made in the approved document related to Progressive Mine closure.	No deviation.

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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	It was proposed that entire mineral produced would be utilised in the cement plant of the lessee.	Same was noticed during the inspection.	No deviation noticed.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	There is proposal for grade-wise sorting.	No such grade wise sorting was noticed.	No deviation noticed.
7c	Different grade of mineral sorted out at mines.	None	None	None
7d	Any beneficiation process at mines .	There is no proposal for any beneficiation at mines.	No beneficiation practice was noticed at the mines.	No deviation noticed.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	There was no proposal for grade wise sorting or any other type of beneficiation at mines.	No such activities noticed during the inspection.	No deviation noticed.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	It was proposed to remove topsoil and utilise in simultenaously for plantation purpose.	Same was noticed during the inspection.	There is no deviation
8b	Concurrent use or storage of topsoil	It is proposed to use the topsoil for plantation.	Same was noticed during the inspection	No deviation noticed.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	As there are no waste dumps, no proposals were made for handling the same.	Not Applicable	No deviation.

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Applicable	Not Applicable	Not Applicable
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None	None	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	---	During the inspection it was observed that except for the plantation made by lessee, no other type of vegetation was noticed.	No comments to offer.
8g	Survival rate	95%	95%	No deviation.
8h	Water sprinkling on roads to control airborne dust	It was proposed to control dust suppression by way of water sprinkling.	Same was noticed during the inspection	No deviation
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	----	Lessee is implementing all the measures related to maintaining environmental balance.	The over all aesthetic beauty can be rated as above average.

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Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	---	Monthly and Annual returns being submitted within the timelines	No deviation.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the Annual return 2021-22, sri Y.Saidulu and sri Padmaraju as Mining Engineer & Geologist	Same was confirmed during the inspection.	No deviation

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9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	as per the annual return 2021-22 the area under pit is 42.540 ha,infrastructure is 1.770 ha.The annual return for the year 2022-23 is yet to be submitted.The last date is 30.06.2023.	The same was confirmed duiring the inspection.	No comments to offer.
9d	Scrutiny of Annual return on afforestation	As per Annual return 2021-22,1000 saplings were planted.	Same was noticed duiring the inspection.	No comments.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	None
9f	Scrutiny of Annual return on ROM stock and/or graded ore	as per the annual return 2021-22, the ROM reported was 0.655 Million tonnes	Same was checked and verified duiring the inspection.	No comments to offer.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The Ex-mine price was reported as rs.187.63 per tonnes	The same was confirmed duiring the inspection.	No comments to offer.
9h	Scrutiny of Annual return on fixed assets	The fixed assets value reported as per 2021-22 annual return was 324 crores.	The same was not scrutinised.	No comments.

9k	Scrutiny of Annual return on mining machineries	The details of Mining machineries reported in the annual return 2021-22 are as follows 1. Back Hoe - 2 no.s 2. Tipper - 13 no.s 3. Water tanker - 1 no. 4. air compressor - 1 no. 5. Blast hole drill - 1 no. 6. Jeep/tractor - 1 no.	Same were confirmed duirng the inspection.	No comments
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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
MCDR17	Rule 11(1)	18/04/2023			
MCDR17	Rule 31(1)	18/04/2023			

**Date :****(A.V.Ramesh Kumar)**

Indian Bureau of Mines