

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

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/NLG/LST-9/HYD

Mine code : 38APR14026

- (i) Name of the Inspecting : S11) SHAILENDRA KUMAR
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sri A J Reddy Mines Manager
Official with
Designation
- (iv) Date of Inspection : 06/03/2021
- (v) Prev.inspection date : 19/02/2020

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : LAKSHMIPURAM-II(GONO.131)
- (b) **Registration NO.** : IBM/613/2011
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TELANGANA
- District : NALGONDA
- Village : IRIKIGUEDEM
- Taluka : MIRYALAGUDA
- Post office : WADAPALLY
- Pin Code : 508355
- FAX No. : 08689-228447
- E-mail : iclvpm@rediffmail.com
- Phone : 08689-228580
- (f) **Police Station** : WADAPALLY
- (g) **First opening date** : 01/10/1985
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : M/s India Cements Limited, Vishnupuram
Wadapally Village
Nalgonda District,Telangana State
3. (a) **Lease Number** : APR0156
- (b) **Lease area** : 316.47
- (c) **Period of lease** :
- (d) **Date of Expiry** : 31/03/2030
4. **Mineral worked** : LIMESTONE Main
CLAY (OTHERS) Associated
SHALE Associated

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 : M.Manickam
 Coromandel Towers, 93
 Santhome High Road,
 Karpagam Avenue, Raja
 Annamal aipuram, CHENNAI
 CITY TAMIL NADU
 Phone: 044-28521526
 FAX : 044-28520638

Agent : M.Tirupati Rao
 Visshnupuram works, ICL
 Wadapally PO Damarcherla
 mandal NALGONDA TELANGANA
 Phone: 08689228580
 FAX : 0868/9228447

Mining Engineer
 Name : M.LAKSHMANA KRANTHI KUMAR,Full Time
 Qualification : B.Tech (MINING)
 Appointment/ : 14/09/2016
 Termination date

Manager
 Name : A.JANAKI RAMI REDDY
 Qualification : DIPOLMA IN MINING ENGINEERING
 Appointment/ : 02/04/2012
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	05/03/2003
Plan/Scheme of Mining		Modif.of approved Mining Plan	17/04/2008
		Mining Scheme rule 12 MCDR1988	25/03/2014
		MP modif under 17(3) MCR 2016	13/10/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	None	None	None
1b	Exploration over lease area for geological axis 1 or 2	--	The entire Mining lease area is covered under G1 level of exploration.	None
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None	None	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	--	None	None
1e	Balance reserve as on 01/04/20	--	96.70 million tonnes	None
1f	General remarks of inspecting officers on geology, exploration etc	None	None	None

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	it was proposed to develop the Pit-II situated on the southern side of the lease during the year 2019-20	The same was noticed during the inspection.	None
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	None	None	None
2c	Stripping ratio or ore to OB ratio	None	None	None
2d	Quantity of topsoil generation in m3	None	None	None

2e	Quantity of overburden generation in m3	None	None	None
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	None	None	None

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	it was proposed to produce from two pits situated on southern side of the lease.	The same was noticed duirng the inspection.	None
3b	Quantity of ROM mineral production proposed	it was proposed to produce 1.40 million tonnes duirng 2019-20	The actual production done duirng the year 2019-20 was 0.66 million tonnes.	None
3c	Recovery of sailable/usable mineral from ROM production	None	None	None
3d	Quantity of mineral reject generation	None	None	None
3e	Grade of mineral rejects generation and threshold value declared.	None	None	None
3f	Quantity of sub grade mineral generation.	None	None	None
3g	Grade of sub grade mineral generation	None	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 utilise wagon drill of 115 dia for drilling in mineral benches.	The same was noticed during the inspection	None
3k	Provision of mining machineries in mineral benches	it was proposed to utilise backhoe and tipper in mineral benches for excavating and transporting the mineral.	The same was noticed during the inspection.	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	it was proposed to maintain an height of 8-9 meters.	The same was noticed during the inspection.	None
3m	Total area covered under excavation/pits	3.05 ha	1.662 ha	Due to less production area as proposed could not be achieved.
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil	None
3o	Total area put in use under different heads at the end of year	--	Current workings - 128.797 Ha Roads - 6.00 ha Infrastructure - 5.92 ha waste dump - 11.88 ha	None
3p	Production of ROM mineral during the last five year period as applicable	2015-16 - 1.40 million tonnes 2016-17 - 1.40 million tonnes 2017-18 - 1.40 million tonnes 2018-19 - 1.40 million tonnes 2019-20 - 1.40 million tonnes	2015-16 -0.88 million tonnes 2016-17 - 0.94 million tonnes 2017-18 - 0.56 million tonnes 2018-19 - 0.62 million tonnes 2019-20 - 0.66 million tonnes	None

3q	General remarks of inspecting officers on method of mining etc.	Nil	Nil	None
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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)	None	None	None
4b	Location of topsoil, OB and mineral reject dumps	None	None	None
4c	Number of dumps within lease area and outside of lease area	None	There are two old dumps which have been made prior to 2019-20.	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	None	None	None
4e	Number of active and alive dumps.	None	None	None
4f	Number of dead dumps.	None	None	Two old dumps which were made prior to 2019-20.
4g	Number of dumps established.	None	None	There are two old dumps existing prior to 2019-20.
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
4k	Specific comments of inspecting officer on waste dump management	None	None	None

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.	None	None	None
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	None

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).	--	The annual report on PMCP was submitted in time.	None
6b	Area available for rehabilitation (ha) .	None	None	None
6c	afforestation done (ha).	500 saplings over an extent of 0.60 ha	The same was noticed duirng the inspection	None
6d	No. of saplings planted during the year	500 no.s	500 no.s	None
6e	Cumulative no .of plants	--	23377 no.s over an extent of 22.96 ha	None
6f	Any other method of rehabilitation	None	None	None

6g	Cost incurred on watch and care during the year	--	The expenditure incurred towards watch and ward for the year 2019-20 was Rs.2,74,000/-	None
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 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

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	None	None	None
6p	Compliance of environmental monitoring (core zone and buffer zone)	it was proposed to carry out quarterly monitoring of environmental parameters both in core and buffer zones	quarterly monitoring of environmental parameters was carried regularly and all the parameters are within the permissible limits.	None
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	None	None	None

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	it was proposed to produce 1.40 Million tonnes duirng the year 2019-20.	the actual production reported was 0.66 million tonnes	None
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	None	None	None
7c	Different grade of mineral sorted out at mines.	None	None	None
7d	Any beneficiation process at mines .	None	None	None
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	None	None	None

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	None	None	None
8b	Concurrent use or storage of topsoil	None	None	None
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	None	None	None
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None	None	None
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)	---	river krishna flows at the Southern side of the lease.The Mining lease consists of medium to thick vegetation.The average humidity is reported as 60%.The maximum temperatures goes up to 46 degrees in summer and minimum to 16 degrees during winter.	None
8g	Survival rate	--	95%	None
8h	Water sprinkling on roads to control airborne dust	it was proposed to carry out dust suppression by way of water sprinkling.	Duirng the course of inspection,proper dust suppression arrangement have not been made.accordingly a violation letter was issued to the lessee.	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	None	None	None

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	---	The Statutory annual 7 Monthly returns are being submitted regularly.	None
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the Annual report 2019-20, Sri M Lakshmana Kranthi Kumar & Sri C J Thangavel are reported as Mining Engineer and geologist respectively.	The same are noticed duiring the inspection.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	The area covered under various heads are as follows: Current workings - 128.717 ha Greenbelt - 11.880 ha Waste disposal - 5.922 ha Infrastructure - 8.170 ha	The same were noticed duiring the insepection	None
9d	Scrutiny of Annual return on afforestation	The No. of saplings planted duiring 2019-20 are 500 no.s with a survival rate of 95%.	The same was noticed duiring the inspection.	None
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	None	None	None
9f	Scrutiny of Annual return on ROM stock and/or graded ore	The ROM reported in the Annual return 2019-20 was 0.66 Million tonnes	The same was noticed from the records duiring the inspection.	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The ex-mine price reported in the annual return 2019-20 was Rs.272.74 per tonnes	None	None

9h	Scrutiny of Annual return on fixed assets	The value of fixed aassets reported in the annual return was Rs.326 crores.	The same was not verified.	None
9k	Scrutiny of Annual return on mining machineries	The details of mining machineries reported in the annual return 2019-20 are as follows: 1. Shovel(Hydraulic) - 2no.s f 2.300 cu.m 2. tipper - 8 no.s - 13.00 cu.meters 3. Water tanker - 1 no. -12000 litre capacity 4. Air compressor - 2 no.s - 12.600 Cu.meters 5. Wagon drill - 115 m capacity with 2 no.s 6. Explosive van - 1 no. with 9.280 tonnes capacity.	The same was noticed duirng the inspection.	None

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 40	08/03/2021			

Date :

(SHAIENDRA KUMAR)

Indian Bureau of Mines