

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT 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 : 25) SHRI IBRAHIM SARIF
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sri A J Reddy Mines Manager
Official with
Designation
- (iv) Date of Inspection : 09-DEC-21
- (v) Prev.inspection date : 06-MAR-21

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-OCT-85
- (h) **Weekly day of rest** : SUN
2. **Address for** : M/s India Cements Limited, Vishnupuram
correspondance 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-MAR-30
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-SEP-16
 Termination date

Manager

Name : A.JANAKI RAMI REDDY
 Qualification : DIPOLMA IN MINING ENGINEERING
 Appointment/ : 02-APR-12
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	05-MAR-03
Plan/Scheme of Mining		Modif.of approved Mining Plan	17-APR-08
		Mining Scheme rule 12 MCDR1988	25-MAR-14
		MP modif under 17(3) MCR 2016	13-OCT-17

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. G1:417.04 ha.	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	-	As on 31.03.2021 Balance reserves = 95.950 Million Tonnes	As on 1.11.2021 Balance reserves = 95.587 Million Tonnes
1f	General remarks of inspecting officers on geology, exploration etc	--	--	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 - I & II during the year 2020-21	The same was noticed during the inspection.	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	None	None	---
2c	Stripping ratio or ore to OB ratio	Nil	1:0.006	---

2d	Quantity of topsoil generation in m3	None	2380 Cu.m	--
2e	Quantity of overburden generation in m3	None	nil	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	None		Development is being carried out as per approved proposals.

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 duiring the inspection.	-
3b	Quantity of ROM mineral production proposed	14,00,000 Million Tonnes	6,76,083 Million Tonnes	Production was reporteed less due to COVID Pendamic and Low Cement demand
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	-
3d	Quantity of mineral reject generation	No mineral reject will be generated during plan period.	No mineral reject has been generated during F.Y. 2020-21.	-
3e	Grade of mineral rejects generation and threshold value declared.	None	NA	-

3f	Quantity of sub grade mineral generation.	No mineral sub-grade will be generated during plan period.	No mineral sub-grade has been generated during F.Y. 2020-21.	-
3g	Grade of sub grade mineral generation	Not applicable	-	-
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Nil	-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No beneficiation study has been proposed during plan period.	Not applicable.	-
3j	Provision of drilling and blasting in mineral benches	Deep hole Drilling to be carried out using 115mm Dia Wagon Drill Burden : 3.5mm, Spacing : 5.5mm, Depth : 8.0mm Blasting is by High Explosives with Nonel	Drilling and Blasting is being carried out as per approved proposals.	
3k	Provision of mining machineries in mineral benches	Shovel : 2 (Back hoe - Kobelco sk380, 2.0 cum) Tipper : 8 (Ashok Leyland) (12.0 cum) Blast Hole Drill : 115 mm Dia- 1 No Water Tanker : 10000 Liters capacity-1 No Explosive Van : 1 (8 Tonnes)	The same machineries are being deployed in the mines	

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Boom length of 2.0 cum excavator is suitable for bench height of 8.0 m (max)	Yes HEMM deployed is suitable	-
3m	Total area covered under excavation/pits	132.47 ha	130.085 Ha	-
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil	-
3o	Total area put in use under different heads at the end of year	Current workings - 132.47 ha Roads - 6.00 ha Infrastructure - 2.17 ha waste dump - 5.97 ha Nil	Current workings - 130. ha Roads - 6.00 ha Infrastructure - 2.17 ha waste dump - 5.97 ha	---
3p	Production of ROM mineral during the last five year period as applicable	2016-17 : 1.40 2017-18 : 1.40 2018-19 : 1.40 2019-20 : 1.40 2020-21 : 1.40	2016-17 : 0.94 2017-18 : 1.02 2018-19 : 0.62 2019-20 : 0.66 2020-21 : 0.67	2021-22 : 0.364 upto 31.10.2021
3q	General remarks of inspecting officers on method of mining etc.	None	None	-

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	-
4b	Location of topsoil, OB and mineral reject dumps	None	None	-

4c	Number of dumps within lease area and outside of lease area	NA	Two old dumps which were made prior to 2020-21.	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	None	None	-
4e	Number of active and alive dumps.	None	None	-
4f	Number of dead dumps.	None	None	Two old dumps which were made prior to 2020-21.
4g	Number of dumps established.	None	None	Two old dumps which were made prior to 2020-21.
4h	Whether Retaining wall or garland drain all along dumps are there.	None	None	-
4i	Length of Retaining wall or garland drain all along dumps	None	None	-
4j	Number of settling ponds	None	None	
4k	Specific comments of inspecting officer on waste dump management			None

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No Proposal during F.Y. 2020-21.	Nil during the year	-
5b	Area under backfilling of mined out area	No Proposal	Nil	About 10ha area was reclaimed prior to 2020-21

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No topsoil will be generated during plan period.	2380 Cu.m generated during F.Y 2020-21 is being used for plantation in backfilled area	-
5d	Total area fully reclaimed and rehabilitated	No Proposal during F.Y. 2020-21.	Nil during the year	About 10ha area was reclaimed prior to 2020-21
5e	General remarks of inspecting officers on backfilling and reclamation etc.		-	No fresh aera is reclaimed during the year 2020-21

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).	To be submitted before due date	Lessee submitted the annual report on PMCP in time.	-
6b	Area available for rehabilitation (ha) .	None	None	-
6c	afforestation done (ha).	0.60 ha	The same was noticed duirng the inspection	
6d	No. of saplings planted during the year	500 saplings to be planted during the year	The same was noticed duirng the inspection	
6e	Cumulative no .of plants		23877 no.s over an extent of 23.56 ha	-
6f	Any other method of rehabilitation	None	None	
6g	Cost incurred on -- watch and care during the year		The expenditure incurred towards watch and ward for the year 2020-21 was about Rs.2,50,000/-	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	None	None
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None	None
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	None	None
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None	None
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	None	None
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	None	None
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	None	None

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	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.	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	None	None	-

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	14,00,000 MT of Ore produced will be dispatch	7,09,179 MT of mineral dispatched	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	None	None	
7c	Different grade of mineral sorted out at mines.	None	None	
7d	Any beneficiation process at mines .	No beneficiation study has been proposed in the approved document.	Not Applicable.	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	None
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No topsoil will be generated during Review period.	2380 Cu.m of Top Soil generated is utilised for plantation	-
8b	Concurrent use or storage of topsoil	None	Utilised for Plantation	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal during the F.Y 2020-21	None	Two old dumps which were made prior to 2020-21.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None	None	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None	None	About 10 Ha of area has been reclaimed in the mined out area.

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	WML - 23877 Nos (23.56 ha) OML - 3275 Nos (10.77 ha)	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.
8g	Survival rate	95%	95%	-
8h	Water sprinkling on roads to control airborne dust	it was proposed to carry out dust suppression by way of water sprinkling & permanent water sprinklers	Duirng the course of inspection,proper dust suppression arrangement has been made.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	None	-

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. up to October 2021 and A.R. up to F.Y. 2020-21 to be submitted	M.R. Submitted up to October 2021 A.R. up to F.Y. 2020-21 are submitted.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the Annual report 2020-21, Sri M Lakshmana Kranthi Kumar & Sri C J Thangavel are reported as Mining Engineer and geologist respectively.	The above statutory persons were employed.	
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 - 130.805 ha Reclamation and Rehabilitation :- 11.880 Ha Waste disposal - 5.922 ha Infrastructure - 8.170 ha	No additional area (11.88- 10= 1.88 Ha) reclaimed and rehabilitated during the year 2020-21 subsequent approval of Mining Plan (10 Ha) in the year 2020-21. Hence Area under Reclamation and rehabilitation is to be corrected	Violation was pointed out
9d	Scrutiny of Annual return on afforestation	The No. of saplings planted during 2020-21 are 500 no.s with a survival rate of 95%.	The same was noticed during the inspection.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	None	None	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The ex-mine price, cost of Production reported in the annual return 2020-21 was Rs.259.05 per tonnes	As submitted by Lessee
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.
9k	Scrutiny of Annual return on mining machineries	The details of mining machineries reported in the annual return 2020-21 are as follows: 1. Shovel(Hydraulic) - 2no.s f 2.00 cu.m 2. tipper - 8 no.s - 12.00 cu.meters 3. Water tanker - 2 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 duiring the inspection.

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 :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines