

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/NLG/LST-1/HYD

Mine code : 38APR14011

- (i) Name of the Inspecting : S11) SHAILENDRA KUMAR
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sri Bheemraj, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 05/03/2021
- (v) Prev.inspection date : 13/07/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : VISHNUPURAM-I(G.O.NO.131)
- (b) **Registration NO.** : IBM/613/2011
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TELANGANA
- District : NALGONDA
- Village : WADAPALLY
- Taluka : MIRYALAGUDA
- Post office : WADAPALLY
- Pin Code : 508355
- FAX No. : 08689-228447
- E-mail : vpm_mines@indiacements.co.:
- Phone : 08689-228580
- (f) **Police Station** : WADAPALLY
- (g) **First opening date** : 16/01/1991
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : M/s India Cements Limited,Vishnupuram
WADAPALLY
NALGONDA DISTRICT-508355
3. (a) **Lease Number** : APR0066
- (b) **Lease area** : 513.68
- (c) **Period of lease** :
- (d) **Date of Expiry** :
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 : M.Tirupati Rao
 Visshnupuram works, ICL
 Wadapally PO Damarcherla
 mandal NALGONDA TELANGANA
 Phone: 08689228580
 FAX : 0868/9228447

Mining Engineer

Name : P.Bheem Raj., Full Time
 Qualification : B.Tech(Mining)
 Appointment/ : 01/03/2018
 Termination date

Geologist

Name : K Srinivas, Full Time
 Qualification : Msc geology
 Appointment/ : 01/07/2016
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	30/06/1998
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	28/12/2001
		Modif.approved Mining Scheme	30/09/2004
		Mining Scheme rule 12 MCDR1988	16/10/2006
		Renewal under rule 24 MCR1960	04/08/2010
		MP modif under MCR 1960	08/03/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	it was proposed to carry out drilling of 36 Core boreholes during the year 2019-20.1	A total of 36 Coreboreholes have been drilled during 2019-20	None
1b	Exploration over lease area for geological axis 1 or 2	it is proposed to bring the total lease area under G1 level of exploration.	The entire potential mineralised area is under G1 level of exploration.	None
1c	Exploration Agencies and Expenditure in lakh rupees during the year	--	The exploration was carried out by NRDCS and the expenditure incurred was Rs. 16.40 lakhs.	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	None	None	None
1e	Balance reserve as on 01/04/20	---	26.23 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 is proposed to develop and work in PIT-I & Pit-IV during the year 2019-20 on the western side of the lease.	The development and workings are as per the approved proposal.	None
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	None	None	None

2c	Stripping ratio or ore to OB ratio	1:0.02	1:0.09	None
2d	Quantity of topsoil generation in m3	21025 Cu.meters	53739 Cu.meters	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 is proposed to excavate from two pits.	production is from two pits.	None
3b	Quantity of ROM mineral production proposed	1.40 Million tonnes	0.81 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 is proposed to use Wagon drill with a capacity of 115 Cu.Meters.For blasting it proposed with a spacing of 5.5 meters,burden of 3.5 meters.The yield per hole is 346.5 tonnes.	The same was noticed duirng the inspection.	None
3k	Provision of mining machineries in mineral benches	it is proposed to use Back hoe with a average capacity of 1.50 cu.meters and tippers with a capacity of 20 tonnes.	The same was noticed duirng the inspection.	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	it is proposed to maintain a height of up to 7.5 meters.	the same was noticed duirng the inspection.	None
3m	Total area covered under excavation/pits	4.94 ha	2.067 ha	None
3n	Ore to OB ratio for the pit/mine during the year.	1:0.025	1:0.08	None
3o	Total area put in use under different heads at the end of year	---	Current workings - 72.005 ha Roads - 1.07 ha Infrastructure - 56.710 ha reclaimed area - 6.65 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 - 0.21 million tonnes 2016-17 - 0.88 million tonnes 2017-18 - 1.02 million tonnes 2018-19 - 1.37 million tonnes 2019-20 - 0.81 million tonnes	None
3q	General remarks of inspecting officers on method of mining etc.	None	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	None
4b	Location of topsoil, OB and mineral reject dumps	it was proposed to use the topsoil generated simultaneously for plantation purpose.	the same noticed duiring the inspection.	None
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	None
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
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.	There is no proposal for reclamation during the year 2019-20.	No reclamation was carried out duiring the year 2019-20.	None
5b	Area under backfilling of mined out area	None	None during the year 2019-20.However, an area of 6.65 ha has been backfilled earlier i.e. prior to 2019-20.	An area of 6.65 ha has been reclaimed by way of backfilling earlier.
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 duiring 2019-20.However, an area of 6.65 ha was reclaimed by way of backfilling prior to 2019-20.	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
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	--	The Annual report on PMCP submitted by the lessee in time.	None
6b	Area available for rehabilitation (ha) .	---	None	None
6c	afforestation done (ha).	It was proposed to carry out plantation of 1000 saplings over 1.20 ha during 2019-20	Actual plantation carried out was 1200 saplings over an extent of 1.20 ha.	None
6d	No. of saplings planted during the year	1000 no.s	1200 NO.S	None
6e	Cumulative no .of plants	--	15607 no.s over an extent of 19.58 ha.	None
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	--	It was informed by the lessee that the cost incurred towards watch and ward for the year 2019-20 was Rs.2,46,000/-	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	Earlier i.e. prior to 2019-20 an area of 6.65 ha was reclaimed by way of backfilling.
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 in both core and buffer zones.	During the course of inspection it was noticed that quarterly monitoring of environmental parameters was carried out regularly in both core and buffer zones and 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
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was proposed to produce 1.40 Million tonnes of Limestone during 2019-20 & 2020-21.	During the course of inspection it was noticed from the returns is that during 2019-20, 0.83 million tonnes and 0.55 Million tonnes was produced respectively.	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)	It was proposed to generate 21025 Cu.Meters during the year 2019-20 and 34412 Cu.Meters during 2020-21.	The actual topsoil reportedly generated was 53739 Cu.meters during 2019-20 and 25984 Cu.meters up to January 2021.	None
8b	Concurrent use or storage of topsoil	The topsoil generated was proposed to be used for plantation purposes.	The topsoil generated was concurrently being used for plantation purpose.	None

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	There is no overburden in the Mining lease and as such no generation was proposed.	Not Applicable.	The lessee has reported generation of 75235 tonnes during 2019-20 which was not correct accordingly he was advised to submit a revised return.
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)	---	There is a perennial river Krishna flowing on Southern side of the Mining Lease at a distance of 1.8 kilometers. The Mining lease is having medium thickness of vegetation and there are no reports of any wild animals.	None
8g	Survival rate	--	93%	None
8h	Water sprinkling on roads to control airborne dust	it was proposed to control the dust suppression by way of water sprinkler.	During the course of inspection it was noticed that there were no dust suppression arrangement made.	A violation letter was issued as there were no proper dust suppression arrangement have been made.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	---	None	None

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	---	All the Monthly and Annual returns are being submitted regularly.	None
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the Annual return 2019-20, Sri P Bheemraj and Sri K Srinivas have been reported as Mining Engineer & geologist respectively.	The same was noticed during the inspection.	None
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	As per the Annual return 2019-20, the area put to use under different heads is as follows: 1. Area Under Mine workings - 72.005 ha 2. Area reclaimed - 6.650 ha 3. Area under infrastructure - 56.710 ha 4. Roads etc - 9.700 ha	The same was observed during the inspection.	None
9d	Scrutiny of Annual return on afforestation	as per the annual return 2019-20, 1200 saplings have been planted during 2019-20 with a survival percentage of 93%.	The same was noticed during the inspection.	None
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No Mineral reject was generated during the year 2019-20.	None	None
9f	Scrutiny of Annual return on ROM stock and/or graded ore	A production of 0.81 Million tonnes was reported during the year 2019-20.	The same was noticed during the inspection after verifying the records.	None

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The ex-mine price reported was Rs.173.12 per tonne.	Same was noticed during the inspection.	None
9h	Scrutiny of Annual return on fixed assets	The value of fixed assets reported in the Annual return for the year 2019-20 was Rs,326 crores.	The same could not verified.	None
9k	Scrutiny of Annual return on mining machineries	The details of Mining machinery reported in the Annual return 2019-20 are as follows: 1. Back Hoe - 1 No. of 1.020 Cum capacity. 2. Back Hoe - 1 No. of 2.00 Cum capacity. 3. Tipper - 5 No.s with 13 Cu.M capacity. 4. Water tanker - 1 No. with 1000 Litre capacity 5. Air compressor - 1 No. 12.600 Cu.M capacity 6. Wagon drill - 1 No. of 115 MM capacity 7. Tractor - 1 No. 40 HP capacity	The same was noticed during 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 :

(SHAILENDRA KUMAR)

Indian Bureau of Mines