

MCDR inspection REPORT

Hyderabad regional office

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

Mine code : 38APR14011

- (i) Name of the Inspecting : **RAM**) **RAMKISHAN R**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Shri M Shравan Kumar, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 11-MAY-23
- (v) Prev.inspection date : 26-JUL-22

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-JAN-91**
- (h) Weekly day of rest : **SUN**
2. Address for : **M/s India Cements Limited,Vishnupuram**
correspondance : **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

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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 : B Shravan Kumar, Full Time
 Qualification : B.Tech (Mining)
 Appointment/ : 20-JAN-23
 Termination date

Geologist

Name : K Anil Kumar, Full Time
 Qualification : M.Sc.(Geology)
 Appointment/ : 17-APR-23
 Termination date

Manager

Name : B Shravan Kumar
 Qualification : B.Tech (Mining)
 Appointment/ : 05-MAY-22
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	30-JUN-98
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	28-DEC-01
	:	Modif.approved Mining Scheme	30-SEP-04
	:	Mining Scheme rule 12 MCDR1988	16-OCT-06
	:	Renewal under rule 24 MCR1960	04-AUG-10
	:	MP modif under MCR 1960	08-MAR-16

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PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No such specific proposal.	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal.	Nil	Entire mineralised area has been explored under G1 level.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal.	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	Nil	Entire mineralised area has been explored under G1 level.
1e	Balance reserve as on 01/04/20	As per the approved document dated 31.03.2020, the Limestone reserves are 26.5 mil.t	due to depletion/addition over the period of time the updated reserves as on dated 01.04.2023 are limestone: 24.13 milt.t.	grade Cao - 45.62%
1f	General remarks of inspecting officers on geology, exploration etc		the limestone deposit is simple, tabular, undisturbed stratigraphic horizon of the palnad sub basin. No major structural disturbance in the sedimentary unit are observable.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit-1 (A block) and Pit-4 (D Block)	Pit-4 (D Block)	due to less demand from captive cement plant.

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2b	Separate benches in topsoil, overburden and minerals (Rule 15)	top soil is proposed to be removed by scrapping and No OB generation is envisaged. benches in mineral are proposed.	top soil is scrapped separately benches in mineral are maintained.
2c	Stripping ratio or ore to OB ratio	No proposal.	Nil
2d	Quantity of topsoil generation in m3	29284 cu.m. during the year 2022-23.	16223 cu.m.
2e	Quantity of overburden generation in m3	No proposal.	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	development is carried out by opencast mining method as proposed.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	two	one	
3b	Quantity of ROM mineral production proposed	1399582 t during the year 2022-23.	784701 t	violation observed and communicated to lessee vide letter dated 17/05/2023.
3c	Recovery of sailable/usable mineral from ROM production	1399582 t	784701 t	
3d	Quantity of mineral reject generation	No proposal.	Nil	

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3e	Grade of mineral rejects generation and threshold value declared.	Not applicable.	Nil
3f	Quantity of sub grade mineral generation.	No proposal.	Nil
3g	Grade of sub grade mineral generation	Not applicable.	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised.	Mechanised.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Nil
3j	Provision of drilling and blasting in mineral benches	drilling and blasting is proposed.	drilling & blasting is carried out.
3k	Provision of mining machineries in mineral benches	excavator and dumper combination is proposed for excavation.	excavator and dumper combination is deployed for excavation.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	7.5 m	maintained.
3m	Total area covered under excavation/pits	97.01 ha at the end of plan period i.e. year 2024-25.	78.49 ha
3n	Ore to OB ratio for the pit/mine during the year.	No proposal.	Nil

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3o	Total area put in use under different heads at the end of year	156.36 ha at the end of plan period i.e. year 2024-25	141.85 ha	
3p	Production of ROM mineral during the last five year period as applicable	2018-19: 1.4 mil.t. 2019-20: 1.399 mil.t. 2020-21: 1.399 mil.t. 2021-22: 1.399 mil.t. 2022-23: 1.399 mil.t.	2018-19: 1.368 mil.t. 2019-20: 0.813 mil.t. 2020-21: 0.71 mil.t. 2021-22: 0.58 mil.t. 2022-23: 0.784 mil.t.	due to less demand from captive cement plant.
3q	General remarks of inspecting officers on method of mining etc.		production is carried out from one pit by opencast mining method as proposed.	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	proposed for top soil, no OB generation is envisaged.	carried out	
4b	Location of topsoil, OB and mineral reject dumps	near pit-4 area	near pit-4 area	
4c	Number of dumps within lease area and outside of lease area	No proposal.	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal.	Nil	
4e	Number of active and alive dumps.	No proposal.	Nil	
4f	Number of dead dumps.	No proposal.	Nil	
4g	Number of dumps established.	No proposal.	Nil	

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4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal.	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Nil
4j	Number of settling ponds	No proposal.	Nil
4k	Specific comments of inspecting officer on waste dump management		No OB/waste generation is envisaged.

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.	Nil	
5b	Area under backfilling of mined out area	No Proposal.	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No Proposal.	Nil	
5d	Total area fully reclaimed and rehabilitated	No Proposal.	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Not envisaged, as area is not matured for reclamation.

Progressive Mine Clousre Plan:

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Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	PMCP report to not submitted before 1 st July.		advised the lessee to submit before 1st July.
6b	Area available for rehabilitation (ha) .	No proposal.	Nil	
6c	afforestation done (ha).	1.2 ha during the year 2022-23.	1.2 ha	
6d	No. of saplings planted during the year	1000 nos	1000 nos	
6e	Cumulative no .of plants		18647	
6f	Any other method of rehabilitation	No proposal.	Nil	
6g	Cost incurred on watch and care during the year		Rs 2 lakhs	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal.	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal.	Nil	

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6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal.	Nil	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	plantation	plantation	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	1.2 ha	1.2 ha	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	plantation	plantation	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Periodical Monitoring as stipulated in Environment Clearance granted by MoEF & CC and Consent to Operate granted by SPCB.	Periodical Monitoring as stipulated in Environment Clearance granted by MoEF & CC and Consent to Operate granted by SPCB is carried out.	parameters are within the limits.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	proposed.	carried out	entire ROM (Limestone) of cement grade is used in the captive plant.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical.	mechanical.	
7c	Different grade of mineral sorted out at mines.	cement grade limestone.	cement grade limestone.	
7d	Any beneficiation process at mines .	No Proposal.	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		entire ROM (limestone) of cement grade is used at captive plant.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	proposed.	carried out for top soil.	
8b	Concurrent use or storage of topsoil	Proposed.	carried out.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal.	Nil	

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8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal.	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1000 nos during the year 2022-23.	1000 nos
8g	Survival rate		90%
8h	Water sprinkling on roads to control airborne dust	water sprinkling on haul roads for dust suppression is proposed.	carried out.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		aesthetic beauty in and around the mines area is maintained.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and annual returns are to be submitted as per rule 45 of MCDR, 2017.	monthly returns submitted. annual return for the year 2022-23 is not yet submitted.	advised the lessee to submit before 1st July.

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not submitted till the time of inspection date.	Not applicable
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not submitted till the time of inspection date.	Not applicable.
9d	Scrutiny of Annual return on afforestation	Not submitted till the time of inspection date.	Not applicable
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not submitted till the time of inspection date.	Not applicable.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Not submitted till the time of inspection date.	Not applicable.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Not submitted till the time of inspection date.	Not applicable
9h	Scrutiny of Annual return on fixed assets	Not submitted till the time of inspection date.	Not applicable.
9k	Scrutiny of Annual return on mining machineries	Not submitted till the time of inspection date.	Not applicable.

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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)	17-MAY-23			

Date :**(RAMKISHAN R)**

Indian Bureau of Mines