

INDIAN BUREAU OF MINES  
MINERALS DEVELOPMENT AND REGULATION DIVISION

*Dfr*

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/KSN/LST-20/HYD

Mine code : 38APR10014

- (i) Name of the Inspecting : **RAM** ) RAMKISHAN R  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sri Jani Reddy Agent (Mines)  
Official with  
Designation
- (iv) Date of Inspection : 03-JAN-23
- (v) Prev.inspection date : 03-DEC-21

PART-I : GENERAL INFORMATION

1. (a) Mine Name : JAYANTHIPURAM (ML NO.317)
- (b) Registration NO. : IBM/638/2011
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : ANDHRA PRADESH
- District : KRISHNA
- Village : JAYANTHIPURAM
- Taluka : JAGGAYYAPET
- Post office : KUMARASWAMYRAJA NAGAR
- Pin Code : 521457
- FAX No. : 08654-222532
- E-mail : minesjpm@ramcocements.co.i
- Phone : 08654-224400
- (f) Police Station : Chilakallu
- (g) First opening date : 19-AUG-91
- (h) Weekly day of rest : SUN
2. Address for  
correspondance : JAYANTIPURAM-V(SOUTH BLOCK)  
JAYANTIP[URAM, CHILLAKALLU (MO  
KRISHNA DIST.
3. (a) Lease Number : APR0330
- (b) Lease area : ~~7.28~~ 88.35 ha.
- (c) Period of lease : 50
- (d) Date of Expiry : ~~27 NOV 14~~ 18/12/2034
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : THE RAMCO CEMENTS LTD  
KUMARASWAMY RAJANAGAR  
JAGGAYAPET MANDAL KRISHNA  
ANDHRA PRADESH  
Phone:08654-224400  
FAX :08654-222532

Owner : P.R.VENKATRAMA RAJA  
AURAS CORPORATE CENTRE, Vth  
FLOOR, Dr.RADHAKRISHNA  
ROAD,MYLAPORE, CHENNAI  
CHENNAI CITY TAMIL NADU  
Phone: 044-28478666  
FAX : 044-28478676

Agent : P JANI REDDY  
KUMARASWAMY .RAJA.NAGAR,  
JAYATNTHIPURAM KRISHNA  
DISTRICT KRISHNA ANDHRA  
PRADESH  
Phone: 08654-224400  
FAX : 08654-222532

## Mining Engineer

Name : T.Manikanta, Full Time  
Qualification : B.Tech (Mining)  
Appointment/ : 01-AUG-17  
Termination date

## Geologist

Name : K.Anjaneyulu, Full Time  
Qualification : MSc (Gology)  
Appointment/ : 01-AUG-17  
Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	27-SEP-99
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	06-MAR-04
	:	Mining Scheme rule 12 MCDR1988	09-AUG-10
	:	MP modif under MCR 1960	01-OCT-15
	:	MP modif under 17(3) MCR 2016	03-DEC-18
	:	MP review under 17(1) MCR 2016	12-DEC-19

2a	Location of development w.r.t.lease area	one pit is proposed for development during the year 2021-22.	one pit is being developed.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	seperate benches Ob and mineral proposed.no top soil generation is envisaged.	maintained.
2c	Stripping ratio or ore to OB ratio	1:0.02 t/cu.m.	1:0.07 t/cu.m.
2d	Quantity of topsoil generation in m3	No Proposal.	Nil
2e	Quantity of overburden generation in m3	41728 cu.m.	60550 cu.m.
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.

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**Exploitation:**

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	one	
3b	Quantity of ROM mineral production proposed	1.85 mil.t. during the year 2021-22.	0.81 mil.t.	
3c	Recovery of sailable/usable mineral from ROM production	1751720 t of saleable ore	812000 t	
3d	Quantity of mineral reject generation	98460 t	the generated mineral rejects were blended with saleable ore	

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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		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 12.12.2019, the Limestone reserves are 42.133 mil.t	due to depletion/addition over the period of time the updated reserves as on dated 01.04.2022 are limestone: 40.46 mil.t.	
1f	General remarks of inspecting officers on geology, exploration etc		Jayanthipuram Limestone deposit in the mining lease area lies in the north-eastern margin of the palnad sub-basin of the kurnool sedimentary basin. Limestone occurring in thi area is shadfes of grey, buff or white fine grained hard & Compact. the limestone shows typical bedded nature with varying thickness.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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3e	Grade of mineral rejects generation and threshold value declared.	below 41% Cao	below 41% Cao
3f	Quantity of sub grade mineral generation.	No proposal.	Nil
3g	Grade of sub grade mineral generation	No proposal.	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	8 m	maintained.
3m	Total area covered under excavation/pits	38.2 ha at the end of plan period i.e. year 2024-25.	32.45 ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.02 t/cu.m.	1:0.07 t/cu.m.

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3o	Total area put in use under different heads at the end of year	65.28 ha at the end of plan period i.e. year 2024-25.	53 ha
3p	Production of ROM mineral during the last five year period as applicable	2017-18: 0.54 mil.t 2018-19: 1.48 mil.t. 2019-20: 2.45 mil.t. 2020-21: 1.75mil.t. 2021-22: 1.85 mil.t.	2017-18: 0.49 mil.t 2018-19: 0.49 mil.t. 2019-20: 0.49 mil.t. 2020-21: 0.49mil.t. 2021-22: 0.81 mil.t.
3q	General remarks of inspecting officers on method of mining etc.		production is carried by opencast mining method as proposed.

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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)	seperate dumping od OB and mineral reject are proposed.	carried out.	
4b	Location of topsoil, OB and mineral reject dumps	North wet side of the ML area and safety barrier of plaeru river.	carried out as proposed.	
4c	Number of dumps within lease area and outside of lease area	one waste dump is proposed during the year 2021-22.	one waste dump is being utilised for waste dumping.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	outside UPL.	outside UPL.	
4e	Number of active and alive dumps.	one	one	
4f	Number of dead dumps.	No proposal.	Nil	

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4g	Number of dumps established.	No proposal.	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	provided.	provided.
4i	Length of Retaining wall or garland drain all along dumps	100 m	100 m
4j	Number of settling ponds	No proposal.	Nil
4k	Specific comments of inspecting officer on waste dump management		solid waste management is carried out as proposed.

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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.	No proposal.	Area not matured for reclamation.	
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.		Area not matured for reclamation.	

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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).	PMCP report to submitted. submitted before 1 st July.		
6b	Area available for rehabilitation (ha) .	No proposal.	Nil	
6c	afforestation done (ha).	0.5 ha during the year 2021-22.	0.5 ha	
6d	No. of saplings planted during the year	1000 nos	3754	dump slopes, along the ML boundary, bund and virgin area.
6e	Cumulative no .of plants		47589 nos	
6f	Any other method of rehabilitation	No proposal.	Nil	
6g	Cost incurred on watch and care during the year		Rs.124500	
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)Afforestati on on backfilled area	No proposal.	Nil	



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	500 nos	carried out	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	500 nos	carried out	along the ML boundary
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	by plantation	by 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.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		PMCP measures were carried out as proposed.	

## Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
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	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal.	Nil	
8b	Concurrent use or storage of topsoil	No proposal.	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed.	maintained.	

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	3754 nos
8g	Survival rate		92%
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.

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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	submitted.	

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	(i) Graduate Mining Engineer 2, (ii) Diploma Mining Engineer 3, (iii) Geologist 1	found to be in order.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Covered under current (O/C) Workings 32.450 ha, (ii) Used for waste disposal 18.250 ha, (iii) Occupied by plant, buildings, residential, welfare buildings & roads 2.300 ha, etc.,	found to be in order.	
9d	Scrutiny of Annual return on afforestation	3754 nos	found to be in order.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	62616 t	found to be in order.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM closing stock is Nil	found to be in order.	
9g	Scrutiny of Annual return on sale value, Ex-Mine price and production cost	Ex-Mine price is Rs. 220.26/t	Ex-Mine price furnished in the annual return submitted for the year 2021-22 is not in line with weighted average of monthly returns submitted for the year 2021-22.	advised the lessee to rectify the issue.
9h	Scrutiny of Annual return on fixed assets	Rs. 31663322	Rs. 31663322	



9k      Scrutiny of      BACK HOE 2.100 found to be in order.  
Annual return on      CUM 2, DOZER  
mining              180.000 HP 1,  
machineries        TIPPER 16.000  
                         CUM 10  
                         AIR COMPRESSOR  
                         12.740 CUM/MN  
                         1, BLAST HOST  
                         DRILL 115.000  
                         MM 1 etc.,

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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 : 31/01/23 *no violation*

*R. Kishan R*  
(RAMKISHAN R)

Indian Bureau of Mines