

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

Review and updation of Mining Plan REPORT

Hyderabad regional office

Mine file No : AP/KSN/LST- 29/HYD

Mine code : 38APR10036

- (i) Name of the Inspecting : 25) SHRI IBRAHIM SARIF
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sri P Jani Reddy, Agent & Sri P.S. Murthy, QP
Official with
Designation
- (iv) Date of Inspection : 02-NOV-21
- (v) Prev.inspection date : 21- OCT-2020.

PART-I : GENERAL INFORMATION

1. (a) Mine Name : RAVIRALA(124.38 HA)
- (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 : RAVIRALA
- Taluka : JAGGAYYAPET
- Post office : KUMARASAMYRAJA NAGAR
- Pin Code : 521457
- FAX No. : 08654-222532
- E-mail : pjrr@ramcocements.co.in
- Phone : 08654-224400
- (f) Police Station : JAGGAYYAPETA
- (g) First opening date : 01-OCT-97
- (h) Weekly day of rest : SUN
2. Address for : KSR NAGAR
correspondance JAGGAYYAPET
KRISHNA, AP
3. (a) Lease Number :
- (b) Lease area : 124.33 Ha.
- (c) Period of lease : 50 years.
- (d) Date of Expiry : 30.09.2047.
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 : P Jani Reddy, Full Time
Qualification : AMIEin Mining Engineering
Appointment/ : 01-AUG-17
Termination date

6. Date of approval of Mining Plan/Scheme of Mining : MP under 16(1) of MCR 2016

27-JAN-20

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2020-21- 20 Nos. core boreholes and 07 DTH	2019-20 - 03 Nos. coreboreholes drilled. 2020-21- 17 Nos. core boreholes drilled. Balance 7 bore holes completed in 2021. Total meterage for 27 holes - 1423m	Due to Covid pandemic the delay in exploration was reported
1b	Exploration over lease area for geological axis 1 or 2	2020-21 & 2021-22 : Entire mineralised area has to be explored in G1 scale	2020-21 and 2021-22 (As on 01.09.2021): 69.27 Ha areaA explored in G1 scale.	Balance 57.02 Ha area to be explored, proposal is submitted to complet the exploration by 2022-23.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not mentioned in the document	Natural resources department co-operative society ltd. (NRDCS), Hyderabad. Drilling cost is around Rs.15,69,100/- (As Reported by the lessee)	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Entire lease area to be explored in 2020-21 & 2021-22	Balance area of 57.04 Ha to be explored	

1e	Balance reserve as on 01/04/20	Estimated reserves as on 01/04/2019 as per approved Mining Plan is 111- 0.95 million Tonnes and 121 & 122 - 1.97 million Tonnes. Total Reserves : 2.92 Million Tonnes Proposed to be depleted in the year 2020-21: 110225 Tonnes Balance reserves : 111- 0.95 million Tonnes and 121 & 122 - 1.97 million Tonnes.	Estimated reserves as on 01/11/2019 as per approved Mining Plan is 111- 0.95 million Tonnes and 121 & 122 - 1.97 million Tonnes. There was no production reported by lessee in 2020-21, Hence the no change in Reserves.	Reserves will be re-estimated after complete exploration.
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1f	General remarks of inspecting officers on geology, exploration etc	Limestone occurring in this area shows typical bedded nature with varying thickness. The order of super position is Cumbum Formation Phyllite, Nargi Limestone Formation Limestone. The Limestone is considered as an intercalation within the older Cumbum Phyllite thrust over the Narji Limestone. The general strike of the deposit is N500E - S500W and dips at 10 degrees to 12 degrees. 67.29 Ha area has been explored in G1 scale.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N1861700 to N-1861880, E-405600 TO E-405780	No development carried out during the year 2020-21	Since Lessee didn't have Environment clearances.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	1 (One) OB bench and 2 (Two) mineral benches to be developed	Nil	-do-
2c	Stripping ratio or ore to OB ratio	1 : 0.329	Nil	
2d	Quantity of topsoil generation in m3	No proposal for F.Y. 2020-21	Nil	

2e	Quantity of overburden generation in m3	16,510 cum	Nil	-do-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			No Mining operation carried out during the year, since Lessee didn't have Environment clearances.

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	One Pit	No pit developed for production	
3b	Quantity of ROM mineral production proposed	F.Y 2020-21 : 1,10,225 Tonnes	Nil	No mining activity as lessee didn't have Environment clearances.
3c	Recovery of sailable/usable mineral from ROM production	100%	Nil	
3d	Quantity of mineral reject generation	No mineral reject will be generated during the year 2020-21	Not applicable	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable -		
3f	Quantity of sub grade mineral generation.	No mineral sub-grade will be generated during the year 2020-21	Not applicable	
3g	Grade of sub grade mineral generation	Not applicable -		

- 3h Manual / Mechanised method adopted for segregating from ROM No proposal for the F.Y. 2020-21 -
- 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 Overburden: Dia.: 115 mm Spacing: 4.0 m Burden: 3.0 m Depth: 4.0m - 8.8m No Drilling and Blasting -do- carried out
Mineral/Ore: Dia.: 115 mm Spacing: 5.0 m Burden: 3.5 m Depth: 6.0m - 8.0m Explosive: ANFO
- 3k Provision of mining machineries in mineral benches 1. Backhoe Excavator: 01 nos. with 1.2 CuM bucket capacity 2. Tippers 03 nos. with 25.0 Metric Tonne Capacity 3. Wagon Drill 01 no. with 115 mm dia 4. Air Compressor 01 no. with 450 cfm capacity 5. Water Tanker 01 no. with 10 KL capacity No machineries are found deployed as there is no production and development activity

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Boom length of 1.2 cum capacity excavator is suitable to maintain Bench Height of 8 meters	No mining activity during the year	
3m	Total area covered under excavation/pits	1.4 Ha	Nil	
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.329	Nil	
3o	Total area put in use under different heads at the end of year	1.9 Ha	Nil	
3p	Production of ROM mineral during the last five year period as applicable	2016-17 : No proposal 2017-18 : No proposal 2018-19 : No proposal 2019-20 : No proposal 2020-21 : 1,10,225 Tonnes	2016-17 : Nil 2017-18 : Nil 2018-19 : Nil 2019-20 : Nil 2020-21 : Nil	No mining activity as lessee didn't have Environment clearances.
3q	General remarks of inspecting officers on method of mining etc.			No Mining activity carried out during the year 2020-21, hence no comments

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Overburden to be dumped on Northern side of lease area and No proposal of Top soil generation is anticipated	Nil	

4b	Location of topsoil, OB and mineral reject dumps	OB Dump : N1861880 to N1861930, E- 405760 to E 405820	Nil	No mining activity during the year as Lessee didn't have Environment clearances.
4c	Number of dumps within lease area and outside of lease area	One within lease area	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL as it is temporary dump	Nil	
4e	Number of active and alive dumps.	One	Nil	
4f	Number of dead dumps.	No proposal F.Y 2020-21	Nil	
4g	Number of dumps established.	No proposal for the year 2020-21	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes along bottom periphery of waste dump	Nil	
4i	Length of Retaining wall or garland drain all along dumps	About 150 meters	Nil	No waste dump created, hence not applicable
4j	Number of settling ponds	One	Nil	-do-
4k	Specific comments of inspecting officer on waste dump management			No mining activity due to want of statutory clearance, hence no comments

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 for the year 2020-21	Nil	No area is matured for backfilling

5b	Area under backfilling of mined out area	No proposal for the year 2020-21	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No mining activity carried out so far for production, hence no area is matured for reclamation and rehabilitation.

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	Not Submitted	Violation pointed out
6b	Area available for rehabilitation (ha) .	No proposal for the year 2020-21	Not applicable	
6c	afforestation done (ha).	0.1 Ha	0.1 Ha	
6d	No. of sapplings planted during the year	150 sapplings to be planted	150 sapplings found planted in the lease area	
6e	Cumulative no .of plants	Not mentioned in Mining plan document	650 sapplings planted so far	
6f	Any other method of rehabilitation	No proposal for the year 2020-21	Not applicable	
6g	Cost incurred on watch and care during the year	No proposal	Rs. 1,92,200/-	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal for the year 2020-21	Nil	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal for the year 2020-21	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)			
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Plantation is carried out to improve aesthetic beauty.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal for the year 2020-21	Nil	No mining activity is being carried out due to want of statutory clearances
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	-	Nil	
7c	Different grade of mineral sorted out at mines.	-	Nil	

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		No mining activity, hence no comments to offer

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Top soil generated to be removed and stored seperately and subsequently utilised for plantation	No top soil generated.	
8b	Concurrent use or storage of topsoil	Yes to utilise the top soil for plantation	No top soil generated	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Dump for Overburden is proposed for the year as there is no generation of reject / fines anticipated	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal for the year 2020-21	Nil	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	No area is matured for reclamation and rehabilitation
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposal	Nil	Plantation in the area is scanty about 650 sapplings planted in the area by lessee so far.
8g	Survival rate	No proposal	80%	
8h	Water sprinkling on roads to control airborne dust	Proposal has been given in the approved document for water sprinkling on roads to control airborne dust through the water tanker.	Nil	No mining activity
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantation is being carried out to improve aesthetic beauty.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	AR 2020-21 and MR up to September 2021 to be submitted as per rule	AR 2020-21 and MR up to September 2021 submitted.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer - Sri. Jani Reddy Geologist - Sri. K.Shivaramakrishnan	Sri. Jani Reddy has been terminated as Mining Engineer for the subject lease as per Form-H (Notice of appointment of Mining Engineer) submitted by the lessee letter No.TRCL/IBM/Rev.Rev/206/285 dated 12.12.2020.	Violation pointed out
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil	Nil	
9d	Scrutiny of Annual return on afforestation	175 sapplings planted	175 sapplings observed in the field	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM ore stock: 207 Tonnes	ROM ore stock: 207 Tonnes	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Nil	
9h	Scrutiny of Annual return on fixed assets	Rs. 55467842	As submitted by Lessee	
9k	Scrutiny of Annual return on mining machineries	No details furnished	Nil	

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
MCDR17 Rule 26(2)	03-DEC-21				
MCDR17 Rule 55(1) (3)	03-DEC-21				

Date :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines

