

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

MCDR INSPECTION REPORT

Hyderabad regional office

Mine file No : AP/KNL/LST-192/HYD

Mine code : 38APR11163

- (i) Name of the Inspecting : **RK13**) **A.V.Ramesh Kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Jayabharat Reddy, Manager(Mines)
Official with
Designation
- (iv) Date of Inspection : 24/03/2017
- (v) Prev.inspection date : 21/07/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **YENAKANDLA(343.22 HA)**
- (b) **Registration NO.** : **IBM/12134/2012**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : ANDHRA PRADESH
District : KURNOOL
Village : YENAKANDLA
Taluka : KURNOOL
Post office : BANAGABAPALLE
Pin Code : 518124
FAX No. : 085151-200507
E-mail : jayabharatreddy.n @myhomeg
Phone : 08515-200508
- (f) Police Station : BANAGANAPALLI
- (g) First opening date : 12/03/2012
- (h) Weekly day of rest : SUN
2. Address for : UENKANDLA(VILLAGE&POST)
correspondance : BANAGANAPALLE MANDALAM
JURNOOL DIST ,ANDHRAPRADESH-PINCODE 518124
3. (a) Lease Number : APR3286
- (b) Lease area : 343.22
- (c) Period of lease : 20
- (d) Date of Expiry : 08/01/2032
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : M/S.SREE JAYAJOTHI CEMENTS LTD
 KURNOOL ANDHRA PRADESH
 Phone:
 FAX :

Owner : Sri. J.Ramu Rao
 My Home Inds.Ltd. 9 th
 Floor, Block-3, My Home Hub
 Madhapur, Hyderabad
 HYDERABAD TELANGANA
 Phone:
 FAX :

Agent : D.S.N.V.PRASAD
 BOINCHERUVUPALLI VILLAGE
 KURNOOL DISTRICT KURNOOL
 ANDHRA PRADESH
 Phone: 08522-249952
 FAX : 08522-249920

6. Date of approval of Mining	:	Modif.of approved Mining Plan	19/05/2015
Plan/Scheme of Mining	:	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	---	No exploration was carried out during 2016-17	None
1b	Exploration over lease area for geological axis 1 or 2	---	The area covered under Yanakandal block was 127.95 ha which is under G1 & G2 scale of exploration. The area under Pathapahad block is 161.15 ha which is also under G1 & G2 scale of exploration. The area under Yerragudi block is 36.15 on exploration it was found that it was non-mineralised.	None
1c	Exploration Agencies and Expenditure in lakh rupees during the year	--	---	---
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	--	As on 1.4.2017 the reserves are as follows (111)-27.57 Million tonnes (122)-13.3 Million tonnes (211)-6.16 Million tonnes	None
1f	General remarks of inspecting officers on geology, exploration etc	None	None	A total of 57 CBH were made against the proposed 37 CBH.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	It was proposed to produce from Yanakandla block through working pit and in Pathapahad block through dump re handling	In the yanakandala block the working is located between N9300 - N9800 gridlines.	None
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	It was proposed to have seperate becnhes for OB and ore.	It was noticed that there are three benches in ore and one bench in OB.	None
2c	Stripping ratio or ore to OB ratio	1:041	1:030	
2d	Quantity of topsoil generation in m3	Nil	Nil	Nil
2e	Quantity of overburden generation in m3	---	No OB was proposed to be generated.	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 was proposed to develop one pit	It was noticed that one pit as proposed was developed and was working.	None
3b	Quantity of ROM mineral production proposed	It was proposed to produce 2.70 million tonnes during 2016-17.	It was reported that 1.48 million tonnes was produced duirng 2016-17.	None
3c	Recovery of sailable/usable mineral from ROM production	Nil	Nil	Nil
3d	Quantity of mineral reject generation	Nil	Nil	Nil

3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	Nil
3f	Quantity of sub grade mineral generation.	Nil	Nil	Nil
3g	Grade of sub grade mineral generation	Nil	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	It was proposed to work the mine by way of fully mechanised method.	The same was noticed during the inspection.	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	Yes	Yes	None
3k	Provision of mining machineries in mineral benches	Yes	Yes	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	None
3m	Total area covered under excavation/pits	32 ha	29.9 ha	None
3n	Ore to OB ratio for the pit/mine during the year.	1:0.32	1:0.30	None
3o	Total area put in use under different heads at the end of year	41 ha	37.49 ha	None

3p	Production of ROM mineral during the last five year period as applicable	It was proposed to produce 2011-12-2.9 million tonnes 2012-13-3 million tonnes 2013-14-2.99 million tonnes 2014-15-3 million tonnes 2015-16-2.70 million tonnes 2016-17-2.70 million tonnes	The actual reporting was 2011-12-1.7 million tonnes 2012-13-1.05 million tonnes 2013-14-1.16 million tonnes 2014-15-1.32 million tonnes 2015-16-1.56 million tonnes 2016-17-1.48 million tonnes	None
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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)	No proposal for generation of OB but it was proposed to generate waste from intercalated ore.	It was reported that 1,74,026 tonnes of waste was generated and was dumped at the proposed site.	None
4b	Location of topsoil, OB and mineral reject dumps	It was proposed to dump waste generated on the eastern side of the lease.	The dump was observed as per the proposed site during the inspection	None
4c	Number of dumps within lease area and outside of lease area	One	One	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Eastern Side of the lease	Eastern side of the lease.	None
4e	Number of active and alive dumps.	One active dump	One active dump was noticed	None
4f	Number of dead dumps.	None	None	None
4g	Number of dumps established.	One	One	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.	--	The area has not yet matured for backfilling.	None
5b	Area under backfilling of mined out area	Nil	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	Nil
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Nil	Nil	Nil

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).	Yes	The work as proposed in the approved document for afforestation has been carried out.	None

6b	Area available for rehabilitation (ha) .	Nil	Nil	Nil
6c	afforestation done (ha).	It was proposed to plant 700	Actual acheivement was 615 plants	None
6d	No. of saplings planted during the year	700	615	None
6e	Cumulative no .of plants	2000	2275	None
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	Not reported	Not reported	None
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Nil	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil	Nil

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed to carry out quarterly monitoring of environmental parameters.	Quarterly monitoring of environmental parameters was carried out regularly.All the environmental parameters are within limits. AAQ-Mine haulage road-PM-156,SO2-11.8,NOX-12.7 Drilling area-PM-142,SO2-11.8,NOX-12.5 Nosie - Mines office-Day-65,Night-53 Drilling area-Day-74,Night-68 Soil-Ph-7.32,N-389/Kg P2O-36-59,NA2O-258 Chlorine-156Mh/Kg	None

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was proposed to produce 2.70 million tonnes of limestone duirng 2016-17	It was reported that 1.48 million tonnes was produced duirng 2016-17.	None
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	---	The total ROM produced is of cement grade.	---
7c	Different grade of mineral sorted out at mines.	---	---	---

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)	---	There is no generation of topsoil	None
8b	Concurrent use or storage of topsoil	---	---	---
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	A seperate dump was proposed for OB	A dump as proposed was observed duirng the inspection.The Waste dump is located on the Eastern side of the lease betwqeen gridlines N9900 - N10100.	It was noticed that the dumps in Pathapahad block are being re-handled and Limestone is being recovered from those dumps.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	----	----	---
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)	----	Except for the plantation made by the lessee and few wild shrubs and bushes no other type of plantation was noticed in the Mining lease.	None
8g	Survival rate	---	70%	None
8h	Water sprinkling on roads to control airborne dust	It was proposed to control dust generation by taking suitable dust suppression measures like sprinkling water etc.	The same was noticed during inspection	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	None	None	None

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	It was proposed to submit AR and MR regularly.	Monthly and Annual return are being submitted regularly through online.	None
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	---	It was reported in the Annual return that Sri NJayabharat Reddy as Mining Engineer and Sri Gurubhasker as Mining Geologist	None
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	--	The land use pattern as reported in the Annual return 2016-17 is as follows: Area under current workings:29.90 ha Area for waste disposal: 2.05 ha Area occupied by infrastructure:2.850 ha Afforestation: 2.740 ha	None

9d	Scrutiny of Annual return on afforestation	--	As per the Annual return 2016-17 it was reported that a total of 615 trees have been planted during 2016-17 with a survival rate of 75%.	None
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	---	---	---
9f	Scrutiny of Annual return on ROM stock and/or graded ore	It was proposed to produce 2.70 million tonnes during 2016-17.	As per the annual return 2016-17 a generation of ROM reported was 1.31 million tonnes from pit and 0.17 million tonnes from dumps. A total of 1.48 million tonnes was produced.	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	---	it was reported in the annual return 2016-17 that ex-mine price was Rs.312/-	None
9h	Scrutiny of Annual return on fixed assets	---	It was reported in the annual return 2016-17 that the value of fixed assets was 16.6 crores of rupees	None
9k	Scrutiny of Annual return on mining machineries	---	It was reported that 04 no. of Back Hoe ,18 no.s of trucks,01 explosive van,01 water tanker,01 Air compressor and 01 blast host drill are being used in the mines.	None

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 :

(A.V.Ramesh Kumar)

Indian Bureau of Mines