

**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-13/HYD

Mine code : 38APR10001

- (i) Name of the Inspecting : **S41**) **Y M SIVA PRASAD**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : PONNU SWAMY MM
Official with
Designation
- (iv) Date of Inspection : 24/01/2018
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **HEMADRI(NO.221)**
- (b) **Registration NO.** :
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : KRISHNA
- Village : VEDADRI
- Taluka : JAGGAIYAPET
- Post office : VEDADRI
- Pin Code : 521438
- FAX No. : 0865422373
- E-mail : NA
- Phone : 27373 22317
- (f) **Police Station** :
- (g) **First opening date** : 01/04/1985
- (h) **Weekly day of rest** : SUN
2. **Address for** : **HEMADRI LIMESTONE MINE**
correspondance **VEDADRI, JAGGAYYAPET**
KRISHNA DIST
3. (a) **Lease Number** : **APR0058**
- (b) **Lease area** : **38.69**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **09/11/2021**
4. **Mineral worked** : **LIMESTONE** **Main**

5. Name and Address of the

Lessee : M/S HEMADRI CEMENTS LIMITED
 KRISHNA ANDHRA PRADESH
 Phone:22373 22317
 FAX :08654 22373

Owner : M/SHEMADRI CEMENTS LTD
 M/S HEMDRI CEMENTS LTD
 VEDADRI JAGGAYYAPET KRISH
 KRISHNA ANDHRA PRADESH
 Phone: 22373/22317
 FAX : 0865422373

Agent : SRI P.RAMA KRISHNA RAO.
 M/S HEMADRI CEMENTS LTD,
 VILL& POST: VEDADRI, DIST:
 KRISHNA, KRISHNA ANDHRA
 PRADESH
 Phone: 08678-284538
 FAX : 0878- 284859

Mining Engineer

Name : SHRI D.Venkata Akhil Kalyan,Full Time
 Qualification : B.Tech in Mining Engineering
 Appointment/ : 10/11/2016
 Termination date

Geologist

Name : M.RAMACHANDRA REDDY,Full Time
 Qualification : MSc, Geology.
 Appointment/ : 02/06/2008
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	28/07/1994
Plan/Scheme of Mining	:	Renewal under rule 24 MCR1960	18/04/2008
	:	MP modif under MCR 1960	29/02/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	13 Bore holes (655 meters.)	575 meters depth, bore holes exploration carried out.	The lessee has not carried out exploration of bore holes of meterage of 80 meters of depth. Violation of rule 11(1) of MCDR 2017 is pointed out to lessee.
1b	Exploration over lease area for geological axis 1 or 2	G1 axis.	G 1 axis.	The lessee has not carried out exploration of bore holes of meterage of 80 meters of depth. Violation of rule 11(1) of MCDR 2017 is pointed out to lessee.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-----	---	
1e	Balance reserve as on 01/04/20	962040 T.	839540 T.	
1f	General remarks of inspecting officers on geology, exploration etc	-----	-----	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E 4732 -- E 4880 4880 N 9876 - N 10006	E E 4372 - E 4880 N 9876 -N 10006	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes.	Yes.	
2c	Stripping ratio or ore to OB ratio	1 : 0.29	1: 0.40	

2d	Quantity of topsoil generation in m3	N I L	N I L
2e	Quantity of overburden generation in m3	28630 Cu.m	26222 Cu.m.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit.	One pit.	
3b	Quantity of ROM mineral production proposed	1,79,970 tonnes.	1,22,500 tonnes.	
3c	Recovery of sailable/usable mineral from ROM production	100%	99%	
3d	Quantity of mineral reject generation	N I L	There is no generation of mineral rejects.	
3e	Grade of mineral rejects generation and threshold value declared.			
3j	Provision of drilling and blasting in mineral benches	Conventional deep hole drilling and blasting.	Conventional deep hole drilling and blasting.	
3k	Provision of mining machineries in mineral benches	Back Hoe 0.900 Cum 2 nos. Tipper 7.000 Cum / MN 1 Blast Host Drill 110.000 NM 1.	BackHoe 0.900 CUM Tipper 7.000 Cum / MN 1 Blast HOST DRILL 110.000 mm 1no,	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes. 7 meters height and width 12 to 15 meters.	Yes. 7 meters height and width 12 to 15 meters.	
3m	Total area covered under excavation/pits	13.765 ha.	14.270 ha.	

3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.40	1 : 0.40
3o	Total area put in use under different heads at the end of year	13.765 ha	14. 270 ha.
3p	Production of ROM mineral during the last five year period as applicable	2015-16 : 177560 T. 2016-17 : 180058 T. 2017-18 : 179970 T.	2015-16 : 142800 T. 2016-17 : 158100 T. 2017-18 : 122500 T.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Eastern side of the lease area.	Waste dumping was carried out, out side lease area.	
4b	Location of topsoil, OB and mineral reject dumps			
4c	Number of dumps within lease area and outside of lease area	One	One	
4e	Number of active and alive dumps.	One active.	One active.	
4f	Number of dead dumps.	N I L	N I L	
4g	Number of dumps established.			
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes.	Yes.	
4k	Specific comments of inspecting officer on waste dump management	Waste dumping was proposed to be out withiin lease areaon south eastern side of the lease area.	It was observed that waste materialhas been dumped out sode lease area.	Violation was already pointed out and issued tolessee based on MCDR inspection.

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	Not Applicable.	

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 submit yearly report on PMCP.	Lessee has not submitted yearly report for the year 2016-17 to this office.	Hence violation of rule 26(2)of MCDR 2017 is pointed out to lessee.
6c	afforestation done (ha).	200 Saplings within ML area.	1884 saplings plated out side lease area.	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitering of air, water and noise etc.	Monitering is being carried out regularly as per proposal.	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	122500 T.	122500 T. Entire ROM is utilised.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical.	Mechanical.	
7d	Any beneficiation process at mines	No	No	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	N I L	N I L
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Carried out EIA / EMP.	1884 saplings have been planted out side the lease area..
8h	Water sprinkling on roads to control airborne dust	Yes.	Water sprinkling is carried out on haul roads to arrest air born dust.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual return has to be submitt as per statue.	Lessee is submitting monthly and Annual return regularly through on - line.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer : Shri D.V.Akhil Kalyan Mines Manager : Shri Ponnuswamy.	Mining Engineer : Shri D.V.Akhil Kalyan Mines Manager : Shri Ponnuswamy.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	14.720 ha.	14.720 ha.	
9d	Scrutiny of Annual return on afforestation	No plantation inside lease area.	The plantation have been observed out side lease area.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	N I L	N I L	

9f	Scrutiny of Annual return on ROM stock and/or graded ore	Production 158100 mt.	The details given in Annual return for the year 2016-17 is found correct.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex Mine Price: Rs. 245.93, no sale price of ore as themine is for captive purpose.	The details furnished are found correct.
9k	Scrutiny of Annual return on mining machineries	BACK HOE 0.900 CUM 2 Non Electrical Opencast TIPPER 7.000 CUM 5 Non Electrical Opencast AIR COMPRESSOR MM 1 16.990 CUM/MN 1 Non Electrical Opencast BLAST HOST DRILL 110.000 MM 1	BACK HOE 0.900 CUM 2 Non Electrical Opencast TIPPER 7.000 CUM 5 Non Electrical Opencast AIR COMPRESSOR 16.990 CUM/MN 1 Non Electrical Opencast BLAST HOST DRILL 110.000

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

Date :

(Y M SIVA PRASAD)

Indian Bureau of Mines