

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

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/ANP/LST-34/HYD

Mine code : 38APR02049

- (i) Name of the Inspecting : **25**) **SHRI IBRAHIM SARIF**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : K.Rambabu, AGM (Geology)
Official with
Designation
- (iv) Date of Inspection : 25/10/2018
- (v) Prev.inspection date : 15/03/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **GUDIPADU(28.47 HA)**
- (b) **Registration NO.** :
- (c) **Category** : **A Fully Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **ANDHRA PRADESH**
- District : **ANANTAPUR**
- Village : **Gudipadu**
- Taluka : **Yadiki**
- Post office : **Yadiki**
- Pin Code : **515408**
- FAX No. : **04023355941**
- E-mail : **projects@pennacements.com**
- Phone : **04023353945**
- (f) **Police Station** : **YADIKI**
- (g) **First opening date** : **20/11/2012**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **PLOT NO.705, SRINIKETHAN COLONY,
ROAD NO. 3.BANJARA HILLS,
HYDERABAD.PIN:500034.**
3. (a) **Lease Number** : **APR1417**
- (b) **Lease area** : **28.47**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **07/07/2019**
4. **Mineral worked** : **LIMESTONE** **Main**

5. Name and Address of the

Lessee : M/S PENNA CEMENT INDIA LTD
PLOT NO.705 ,SRINEKETHAN
COLONY ROAD NO.3.BANJARA
HILLS HYDERABAD HYDERABAD
TELANGANA
Phone:
FAX :

Owner : M/S PENNA CEMENT INDIA LTD
PLOT NO.705 ,SRINIKETHAN
COLONY ROAD NO.3.BANJARA
HILLS , HYDERABAD HYDERABAD
TELANGANA
Phone:
FAX :

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 30/10/2014
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee	Lessee	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal for the year	Most of the lease area has been explored by 147 no. of bore holes in 200 X 200, 200 X 400 grid interval with 2649 meterage. minimum depth of 2.1 mtrs to maximum of 39 m up to shally pink limestone (up to 2 m in pink shaly limestone)	
1f	General remarks of inspecting officers on geology, exploration etc		The entire lease area is Limestone bearing,, The General Strike of the Limestone beds is WNW to ESE with low dips of 3 to 6 degree due North/ Noerth westerly, Majority of mineralised area has been explored under 200 x 200 m interval	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Sections NN' & OO'	Working in Sections NN' & OO'.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Seperate benches to be maintained in top soil & Minerals	Seperate bench in TOP Soil and Mineral is maintained	
2c	Stripping ratio or ore to OB ratio	Nil	Nil	

2e	Quantity of overburden generation in m3	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		No OB generation in the lease, Ore in the lease area is stratified and regular in habit and development is being carried in ore zone

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	Two	
3b	Quantity of ROM mineral production proposed	2017-18 : 879926 Tonnes	2017-18: 315000 Tonnes	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	No Segregation as entire ROM is used in the plant	Nil	
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	Deep hole drilling is being carried out by Drill hole with dia :150mm by maintaining Burden: 5m and Spacing: 7 m. Blasting operation is being carried out by using Slurry explosives in combination of delay detonators	Deep hole drilling and blasting is being carried out as proposed.
3k	Provision of mining machineries in mineral benches	Shovel (3.3 cum)- 1 no., Dumper-3 no., Blast Hole drill-150 mm- 1 no.	The above machineries are used
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Boom Length of Excavator of 3.3 cum capacity is suitable for maintaining mineral bench height of 09 Meters.	Yes bench height approved is suitable by using the proposed machineries
3m	Total area covered under excavation/pits	7.99 Ha	0.57 Ha
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil
3o	Total area put in use under different heads at the end of year	Total area proposed to be degraded is 10.19 Ha	Reported 0.51 Ha area is reported to have been degraded
3p	Production of ROM mineral during the last five year period as applicable	2014-15 : 707778 Tonnes, 2015-16 : 887366 Tonnes, 2016-17 : 889855 Tonnes, 2017-18 : 879926 Tonnes	2014-15 : Nil, 2015-16 : Nil Tonnes, 2016-17 : 147700 Tonnes, 2017-18 : 315000 Tonnes

3q	General remarks of inspecting officers on method of mining etc.	Mining operations are being carried out by fully mechanised method using HEMM with Deep hole Drilling and Blasting by maintaining height of 9 meters and Width of about 20 meters
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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)	Nil	Nil	
4b	Location of topsoil, OB and mineral reject dumps	NIL	NIL	
4c	Number of dumps within lease area and outside of lease area	NIL	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No waste dump proposal as no waste bench is there	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not applicable	Nil	
4k	Specific comments of inspecting officer on waste dump management		There is no Top Soil, OB, Sub grade generation in the lease area, hence no dump management is required.	

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.	NIL	A present, no pit is reached their ultimate depth. Hence there is no possibility of backfilling/ Reclamation.	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	No area matured for reclamation and no top soil generation in the lease
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No Proposal	No area is matured for reclamation hence there is no question about backfilling of pit

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).	AR on PMCP should be submitted to RCOM before 1st July.	Submitted	
6b	Area available for rehabilitation (ha) .	NIL	No area matured for reclamation	
6c	afforestation done (ha).	No proposal	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring in respect of Ambient air quality, Noise, water quality etc. needs to be carried out.	Regular monitoring is being carried out and reports are maintained in the mine.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Proposals approved as per PMCP should be adhered and complied.	Yearly report in respect of PMCP has bee submitted, Regular monitoring in respect of AAQ, Noise, Water etc.	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No sorting is required. Entire mineral is being fed plant.	Nil	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No Proposal	Not Applicable.
7d	Any beneficiation process at mines .	No proposal.	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Entire ROM produced is being utilised to feed cement plant

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of Generation of Top soil	Not Applicable.	
8b	Concurrent use or storage of topsoil	No Proposal	Not Applicable as no top soil is generated at present. Outcrop of mineral is well exposed.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal	N I L	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	Not Applicable.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	The Lease area is Rocky in Nature and Plantation was Scanty. Additinal plantation of 600 sapplings are proposed to be planted	Additional 600 sapplings were planted.	
8g	Survival rate	No proposal	About 60%.	

8h	Water sprinkling on roads to control airborne dust	Water tanker to suppress the dust arised due to mining activities	Water tanker provided foe dust suppression
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Additional plantation of 600 sapplings were planted to improve the aesthetic beauty

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR and AR to be submitted regularly	Monthly and Annual returns are submitted regularly	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Covered under current (O/C) Workings : 0.34 (ii) Occupied by plant, buildings, residential, welfare buildings & roads :2		
9d	Scrutiny of Annual return on afforestation	200 sapplings	600 sapplings were planted	
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	Nil	Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs. 165.64 is Ex mine Price and Production Cost	The lease is for captive consumption, hence Ex mine Price and Production Cost are same	
9h	Scrutiny of Annual return on fixed assets	Rs. 5121458	As reported by Lessee	

9k	Scrutiny of Annual return on mining machineries	Shovel (3.3 cum)- 1 no., Dumper-3 no., Blast Hole drill-150 mm- 1 no.	SAme machineries are being used in the mine
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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 :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines