

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

**Mining Plan Modification REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KNL/LST-170/HYD

**Mine code :** 38APR11115

- (i) Name of the Inspecting : **25** ) **SHRI IBRAHIM SARIF**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri K S Yadhav, Agent, Shri K.Ramakrishna Reddy, Min  
Official with  
Designation
- (iv) Date of Inspection : 26/10/2018
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **KORUMANIPALLI(205.212)**
- (b) **Registration NO.** : **IBM/1099/2011**
- (c) **Category** : **A Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **ANDHRA PRADESH**
- District : **KURNOOL**
- Village :
- Taluka :
- Post office :
- Pin Code :
- FAX No. : **08558-286044**
- E-mail :
- Phone : **08558-286055**
- (f) **Police Station** : **KOLIMIGUNDLA**
- (g) **First opening date** : **31/01/2007**
- (h) **Weekly day of rest** : **SUN**
2. **Address for** : **M/S PENNA CEMENT INDUSTRIES LTD.**  
**correspondance** **TALARICHERUVU MANDAL**  
**TALARICHERUVU VILLAGE, ANANTPUR DISTRICT.**
3. (a) **Lease Number** : **APR2302**
- (b) **Lease area** : **205.21**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **29/01/2024**
4. **Mineral worked** : **LIMESTONE** **Main**

## 5. Name and Address of the

Lessee : PENNA CEMENT INDUSTRIES LTD  
 PLOTNO.703,  
 SRINIKETANCOLONYROADNO.3  
 BANJARAHILLS.HYDERABAD  
 HYDERABAD TELANGANA  
 Phone:08558, 86055,86066  
 FAX :08558-86044

Owner : D.Lakshmikantham  
 Lakshmi Nivas 705, Road  
 No.3, Banjara Hills,  
 Hyderabad-500034 HYDERABAD  
 TELANGANA  
 Phone:  
 FAX :

Agent : Sri.P.Venkata krishnaiah Yadav  
 Penna Nagar, Urichintala  
 Post, Tadpatri Mandal  
 Anantapur district  
 ANANTAPUR ANDHRA PRADESH  
 Phone: 9440906826  
 FAX :

Manager  
 Name : K.RAMAKRISHNA REDDY  
 Qualification : DIP. IN MINING  
 Appointment/ :  
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	22/04/2003
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	25/04/2007
	:	Mining Scheme rule 12 MCDR1988	02/01/2013
	:	MP review under 17(1) MCR 2016	30/03/2017

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No backlog	NIL	
1b	Exploration over lease area for geological axis 1 or 2	No proposal	ML Area covered under G1 level: 70 Ha G2 level :45 Ha G3 scale : about 60 Ha	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee	Lessee Around 25 Lakhs has been spent for exploration	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal in the approved document for the year	About 113 Ha area has been explored in G1 & G2 level earlier	
1e	Balance reserve as on 01/04/20		Proved -14.437 Million Tonnes Probable-17.125 Million Tonnes	Less production than the approved quantity
1f	General remarks of inspecting officers on geology, exploration etc		The lease area comprises of Grey to Dark Grey Limestone with Varigated Argillaceous Limestone at Places. The entire lease area is Limestone bearing and intersection of quartzite at the bottom is encountered at some bore holes. The General Strke of Limestone Bed in the lease area is E-W bedding and dipping Northerly at an angle of 2 to 5 degrees. About 113 Ha area a has been explored in G1 & G2 level so for.	

## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit-1 : E189400 to E189875 N 1658650 to N1658175	Deviation in excavation was observed in Pit no.1	Violation was pointed earlier is still continuing.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, Top Soil and Mineral Benches are to be maintained separately	Separate bench in ore, top soil is maintained	
2c	Stripping ratio or ore to OB ratio	1 : 0.04	Nil	Mining operations are carried out in Mineral benches only, hence no waste development during the year.
2d	Quantity of topsoil generation in m3	17364 cum (2017-18)	50225 Tonnes (2017-18)	
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		Deviation in development was observed in Pit no.1,	Violation was pointed earlier is continuing.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	3 pits were proposed for production	Production has been done in 3 pits	Deviation is observed earlier and violation is still continuing
3b	Quantity of ROM mineral production proposed	18,12,189 (2017-18)	4,27,700 (2017-18)	Due to less demand from Plant
3c	Recovery of sailable/usable mineral from ROM production	98%	100%	
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Entire ROM is utilised is dispatched to plant	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Nil	No segregation in ROM is required as entire ROM is being fed to the plant.

3j	Provision of drilling and blasting in mineral benches	It is proposed to carry out drilling of blast hole by 150 mm dia drill with depth of hole of 10 m, Burden- 4 m and Spacing 6 m. Blasting operation is proposed to be carried out using slurry explosives in combination with delay detonators.	Drilling and blasting operations are being carried out as approved.	
3k	Provision of mining machineries in mineral benches	DRILLING MACHINE : (150 mm Dia)- 1 No. EXCAVATOR- 450( 3CUM)-2 Nos. DUMPERS- (20 CUM)- 10 Nos. DOZER (855 C )-1 No.	Work is being carried out by using above machineries.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Boom length of backhoe Excavator of 3.0 cum capacity is suitable for bench height in Ore of 8 meters.	Yes, Boom length of Shovel of 3.0 cum capacity is suitable for maintaining 08 meters bench height.	
3m	Total area covered under excavation/pits	34.58 Ha	Deviation in area degraded is observed	Violation was pointed out earlier for the same and is continuing.
3o	Total area put in use under different heads at the end of year	51.05 Ha	Deviation in area degraded is observed	Violation was pointed out earlier for the same
3p	Production of ROM mineral during the last five year period as applicable	2013-14 :20,93263, 2014-15: 20,11,705, 2015-16: 21,00,060, 2016-17: 21,00,483, 2017-18: 18,12,189	2013-14: 11,41,170, 2014-15: 9,72,100, 2015-16 : 9,49,015, 2016-17: 8,67,000, 2017-18: 4,27,700	All figures in Tonnes

3q	General remarks of inspecting officers on method of mining etc.	Production reported is less than the approved quantity due to less demand from plant. Deviation in excavation is observed and violation was pointed out earlier vide letter dated 18.05.2018 is still continuing
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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)	Proposal to stack top soil seperately, There is No proposal of generation of OB & Mineral reject	Top soil generated had been utilized for plantation purpose.	
4b	Location of topsoil, OB and mineral reject dumps	Top Soil : N-1685075, E-189200 & N-1657868 E-189192	Top soil is utilised for plantation	Top Soil generated has been utilised for plantation instead of stocking
4c	Number of dumps within lease area and outside of lease area	No proposal	Waste material found dumped within lease area and is utised for backfilling without any approved proposal	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Waste material is utilized for backfilling	Violation was pointed out earlier
4e	Number of active and alive dumps.	No proposal	Nil, Waste material is utilized for backfilling	

4k	Specific comments of inspecting officer on waste dump management	No proposal of waste generation	Top soil generated is being utilised for creating green belt for Plantation purposes. However waste material generated is utilized for backfilling in the Pit. For the same violation was pointed out and is still continuing
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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 of backfilling	Waste material generated is utilized for backfilling in Pit no.1	
5b	Area under backfilling of mined out area	No proposal	< 0.1 Ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Proposal to utilize top soil for plantation.	Top soil generated has been utilized for plantation.	
5d	Total area fully reclaimed and rehabilitated	No proposal of reclamation and rehabilitation as no area is matured for the same.	In Pit no.1, waste material is utilised for backfilling	Violation was pointed out for backfilling of waste without approved proposal and is dtill continuing
5e	General remarks of inspecting officers on backfilling and reclamation etc.			There was no proposal of backfilling as no area was matured for reclamation. But waste material generated is utilized for backfilling in Pit no.1 forwhich violation was pointed out earlier.

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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).	Yearly report is to be submitted for the year 2017-18	Yearly report submitted	
6b	Area available for rehabilitation (ha) .	No area is matured for rehabilitation	<0.1 Ha is backfilled	
6c	afforestation done (ha).	1.0 Ha, 1000 sapplings	0.5 Ha, 1150 sapplings including gap plantation	
6d	No. of saplings planted during the year	1000	1150	2017-18
6f	Any other method of rehabilitation	No proposal	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring is to be carried out pertaining to AIR, Water, Noise etc.	Regular monitoring is being done	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Yearly report of PMCP submitted to IBM, Quarterly monitoring of AIR, Noise, water is being carried out regularly and Plantation is being 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	Entire ROM of 18,12,189 Tonne proposed is to be dispatched	Entire ROM of 4,27,700 produced has dispatched to Plant	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal, as entire ROM is utilised	Nil	
7d	Any beneficiation process at mines	No proposal	Crushing plant is established within lease area for size reduction	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No generation of Mineral reject/ Sub grade ore is there as entire ROM is being utilised to feed plant. Crushing plant is established within lease area for size reduction.
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## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposal is to utilize top soil for plantation.	Top soil generated is utilized for plantation.	
8b	Concurrent use or storage of topsoil	Top soil is proposed for plantation purpose	Yes, top soil is utilised for plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal as there asthere is no generation of waste, mineral reject is there in the lease area.	Waste material generated is backfilled in pit.	Violation was pointed out earlier.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Waste material generated is backfilled in the pit no.1	Violation for the same was pointed out earlier
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Some portion of Pit-1 is backfilled	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Rocky area with small shrubs and additional plantation of 1000 sapplings were proposed for the year 2017-18	1150 sapplings were planted during the year
8g	Survival rate	80%	80%
8h	Water sprinkling on roads to control airborne dust	Water tanker shall be provided to suppress the dust	Water sprinkling arrangement is observed for dust suppression
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Rocky area with small shrubs .The area in and around the mine is planted with 1150 sapplings during 2017-18 to improve aesthetic beauty.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. & A.R shall be submitted regularly.	Online M.R. & A.R submitted up to Date	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri. S.Srinivasulu Setty, Mining Engineer, Sri. M.Ramesh Babu, Geologist, Sri.K.Ramakrishna Reddy, Mines Manager	S Sri. M.Ramesh Babu, Geologist, Sri.K.Ramakrishna Reddy, Mines Manager were	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under Mining-38.86 8.86 Ha, Plant and building :2.45 Ha Reclaimed- Nil, plantation - 0.5 Ha	Deviation in land use is observed	
9d	Scrutiny of Annual return on afforestation	1150	1150	

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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	Cost of Production & Exmine Price - Rs. 237.66	Rs. 237.66	The ore is utilised for captive use in its own plant
9h	Scrutiny of Annual return on fixed assets	Rs 24,65,568/-	As reported by lessee	
9k	Scrutiny of Annual return on mining machineries	SHOVEL (3.000 CUM)-2 Nos, DUMPER (35.000 TONNE)-7 nos, ROCK DRILL (115 MM)-1 no. EXPLOSIVE VAN: (12000 LITRES)-1 1 no. DOZER (340 HP)-1, WATER TANKER (12000 LITRES)-1	SHOVEL (3.000 CUM)-2 Nos, DUMPER (35.000 TONNE)-7 nos, ROCK DRILL (115 MM)-1 no. EXPLOSIVE VAN: 1 no. DOZER (340 HP)-1, WATER TANKER (12000 LITRES)-1	

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**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 :**

**(SHRI IBRAHIM SARIF)**

Indian Bureau of Mines