

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

**MCDR inspection REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KNL/LST-158A/Hyd

**Mine code :** 38APR11094

- (i) Name of the Inspecting : **M001** ) **S K MUDULI**  
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Sri.Ramakrishna Reddy,Sri M.Ramesh Babu  
Official with  
Designation
- (iv) Date of Inspection : 09/03/2021
- (v) Prev.inspection date : 11/08/2018

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **KORUMANIPALLI**
- (b) **Registration NO.** : **IBM/1099/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :  
State : **ANDHRA PRADESH**  
District : **KURNOOL**  
Village : **KORUMANIPALLI**  
Taluka : **KOILKUNTALA**  
Post office : **KORUMANIPALLI**  
Pin Code :  
FAX No. :  
E-mail :  
Phone :
- (f) Police Station : Kolimigundla
- (g) First opening date : 30/03/2000
- (h) Weekly day of rest : SUN
2. Address for : Vill Tallaricheruvu, Mandal Tadipatri  
correspondance : Anantapur District.
3. (a) Lease Number :  
(b) Lease area :  
(c) Period of lease :  
(d) Date of Expiry :
4. Mineral worked : **LIMESTONE** Main

## 5. Name and Address of the

Lessee : Penna Cement Industries Limited  
Vill :Talaricheruvu, Mandal  
:Tadipatri. Ananthapur  
District. ANANTAPUR ANDHRA  
PRADESH  
Phone:  
FAX :

Owner : M/S.PENNACEMENTINDUSTRIES.LTD  
PLOTNO.703,  
SRINIKETANCOLONYROADNO.3  
BANJARAHILLS, ANANTAPUR  
ANDHRA PRADESH  
Phone: 3353945, 33  
FAX : (040)3363951

6. Date of approval of Mining : Fresh under rule 22 MCR1960 31/07/2002  
Plan/Scheme of Mining

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration proposal in 2019-20.	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No exploration proposal in 2019-20.	Entire ML Area has been explored under G1 level by 27 nos. core bore hole for 609 m drilling meterage.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No exploration proposal in 2019-20.	Nil.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal of further exploration.	Entire area has been explored earlier under G1 scale, Hence no area is required to be explored.	
1e	Balance reserve as on 01/04/20	8,44,111 tonnes	As on 31.03.2020 975759 tonnes Reserves in (111) and ((122) category.Remaining resaources-20.209 million tonnes	
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. Entire lease area has been explored in G1 level.

## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	W-180 - W-77 N33 - N314	Deviation in excavation has been observed for the year 2019-20. N 270 - N360 E90 - E180	Violation was pointed earlier is continuing.Lessee has committed to submit the modification in the earlier approved document for incorporation of deviation.Mine under suspension from 10.07.2020.However substantial deviation in mine excavation found.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No separate bench for Top soil and OB, Separate benches for Mineral Proposed	Top soil - Nil, OB - Nil., Ore - 3 Benches in west of ML, 1 bench in pit - 4.	OB is occuring in the form of intercalated waste
2c	Stripping ratio or ore to OB ratio	No proposal.	Nil	
2d	Quantity of topsoil generation in m3	1000 cum	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 top soil and OB is generated during the year 2019-20. Further, deviation in development is observed.Earlier violation was pointed out for the same and is still continuing.The Mine has been suspended on 10.07.2020.The Lessee needs to submit mining plan document for approval u/r 11(4) of MCDR 2017 for the period 2020-21 to 2024-25.

## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	Two	-
3b	Quantity of ROM mineral production proposed	201492 Tonnes (2019-20)	1,51,241Tonnes (2019-20)	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No generation of mineral reject (MR) assessed, hence no proposal for MR generation.	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Nil	
3f	Quantity of sub grade mineral generation.	No generation of sub grade (SG) mineral assessed, hence no proposal for SG generation.	Nil	
3g	Grade of sub grade mineral generation	Not applicable	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal as entire ROM is usbale.	Nil	No segregation of ROM is required as entire ROM is being fed to the plant.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal as entire ROM is usbale.	Not done.	Beneficiation is not warranted.

3j	Provision of drilling and blasting in mineral benches	Drilling is being carried out by 115 mm dia Drilling machines by maintaining Burden and Spacing of 3m and 5 m, depth of hole - 6m respectively. Blasting operation is being carried out using slurry explosives in combination with milli second delay detonators is proposed Slurry Explosive: ANFO -20:80.	Drilling and Blasting operations are being carried out as per approved proposals.	
3k	Provision of mining machineries in mineral benches	Back Hoe Shovel (3.0 cum) : 1 no., Dumper (35 T)- 2 nos., Rock Drill(115 mm dia) -1 no., Dozer-1, Water tanker-1	HEMM machineries proposed are being utilised for mining operations	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Boom length of Excavator of 3.5 cum capacity is suitable for maintaining bench height of 6.0 meters	Yes suitable by using excavaors of 3.0 cum capacity.	
3m	Total area covered under excavation/pits	12.211 Ha at the end of 31.03.2020.	Deviation in area degraded is observed.	Earlier violation was pointed out for the same and is still continuing. The Mine has been suspended on 10.07.2020.
3n	Ore to OB ratio for the pit/mine during the year.	1 :0.012	Nil	

3o	Total area put in use under different heads at the end of year	15.584 Ha at the end of 31.03.2020.	Deviation in area degraded is observed.	Earlier violation was pointed out for the same and is still continuing. The Mine has been suspended on 10.07.2020.
3p	Production of ROM mineral during the last five year period as applicable	2014-15- 1,99,955, 2015-16- 1,72,056, 2016-17- 1,99,476, 2017-18- 1,97,375, 2018-19 - 201614, 2019-20 - 201492.	2014-15- 972100, 2015-16 : Nil, 2016-17 : Nil, 2017-18: 1,17,000, 2018-19 - 169000, 2019-20 - 151241.	All fig. in Tonnes
3q	General remarks of inspecting officers on method of mining etc.			Production reported is less than the approved quantity during the year 2019-20. Deviation in mine development is observed in respect of 2019-20. Violation has been pointed out earlier for deviation in mine development and is still continuing. The Mine has been suspended on 10.07.2020. The Lessee needs to submit mining plan document for approval u/r 11(4) of MCDR 2017 for the period 2020-21 to 2024-25.

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	There is no mineral reject, hence there will be no generation. The top soil generated is to be stacked separately & thereafter to be reused for plantation. There is no proposal of OB dumping.	No top soil, OB and MR generated.	21 nos. old slab quarry dump. As observed during mine inspection there will be no OB generation.
4b	Location of topsoil, OB and mineral reject dumps	The top soil will be stacked temporarily in between grid W388-W343 and N38- N84. No dumping proposal for OB and MR.	No Top soil, MR, OB generated.	
4c	Number of dumps within lease area and outside of lease area	No proposal in 2019-20.	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal as there is no OB and MR.	Nil	
4e	Number of active and alive dumps.	No proposal	Nil	
4f	Number of dead dumps.	21 nos Old Slab quarry waste dump	21 nos Old Slab quarry waste dump	
4g	Number of dumps established.	21	21	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Nil	
4i	Length of Retaining wall or garland drain all along dumps	Not applicable	Not applicable	
4j	Number of settling ponds	Not applicable	Not applicable	



4k	Specific comments of inspecting officer on waste dump management			There are 21 nos old slab quarry waste dumps. The Lesse has been advised to check the quality of dump material in the dump for its utility in cement making.
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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 in 2019-20 as no area is matured for backfilling.	Nil	Mineral is yet to be extracted upto UPL.
5b	Area under backfilling of mined out area	No such proposal in 2019-20.	Not done	-do-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Top soil will be utilised for plantation	No top soil generated.	
5d	Total area fully reclaimed and rehabilitated	No proposal in 2019-20.	Not done	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		No top soil/ OB is generated and no portion of the lease area is matured for reclamation, hence no backfilling activity is there.	

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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 to be submitted for the year 2019-20	Yearly report submitted on 25/5/2020.	

6b	Area available for rehabilitation (ha) .	Nil	N.A.	No area is reclaimed so far. Planted 1875 in 1.96 Ha. (2015-16 to 2019-20)
6c	afforestation done (ha).	0.42 Ha	0.50 Ha	
6d	No. of saplings planted during the year	450 nos	525 nos	
6f	Any other method of rehabilitation	No proposal in 2019-20.	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal in 2019-20.	Nil	Mineral is yet to be extracted upto UPL.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal in 2019-20.	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal in 2019-20.	Nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal in 2019-20.	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal in 2019-20.	Nil	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal in 2019-20.	Nil	

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal in Nil 2019-20.			
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal in Nil 2019-20.			
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring has to be carried out.	Regular environmental monitoring is being done.	Core AAQ Water Quality Noise Level	Buffer 4 1 1 7
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.				Environmental Monitoring and Plantation is being done as a part of Progressive Mine Closure activity.

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No grade wise sorting is proposed and the entire ROM is to be despatched.	No grade wise sorting and the entire ROM is despatched.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal as entire ROM is usable	Not done	
7c	Different grade of mineral sorted out at mines.	Not applicable	Not applicable	
7d	Any beneficiation process at mines	No proposal as entire ROM is usable	Not done.	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No mineral reject/ sub grade generation is there. Entire ROM generated is being utilised in plant. Beneficiation is not warranted.
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## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Top soil generated will be stacked first and thereafter will be utilised for plantation	No top soil is generated during 2019-20	
8b	Concurrent use or storage of topsoil	Top soil generated will be stacked first and thereafter will be utilised for plantation	No top soil is generated during 2019-20	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal for separate dumping of OB,MR and Fines as there is no such generation within the mine.	No Dump for OB,MR and Fines.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not applicable	Not done.	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal in 2019-20.	Not done.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		1875 nos saplings planted in 1.96 Ha during 2015-16 to 2019-20.	
8h	Water sprinkling on roads to control airborne dust	Water tanker shall be provided to suppress the dust	Water sprinkling arrangement by deploying water tank is observed in the lease area	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantation is being done in and around the mining lease area 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 to be Submitted regularly	is Online M.R. & A.R has been Submitted up to Date	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager & Mining Engineer - M.Ravinder Reddy, Geologist - Nil	No Mining Engineer & Geologist appointed.	Violation for the same was pointed out earlier and as on date of inspection ME and Geologist have not been appointed.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under Mining-5.93 Ha, Dump- Nil, Plantation- 1.96 Ha, Infrastructure-1.43 Ha	Deviation in area under mining and dump is observed	Violation for the same was pointed out earlier and Mine was suspended on 10.07.2020.
9d	Scrutiny of Annual return on afforestation	525 nos	525 nos	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of Production & Exmine Price - Rs. 172.87.	Cost of Production & Exmine Price - Rs. 172.87.	
9h	Scrutiny of Annual return on fixed assets	Rs 2574300000/-	As reported by lessee	Combined for both the Korumanipalli-1 and Korumanipalli-2 Lease.
9k	Scrutiny of Annual return on mining machineries	Shovel (3.0 cum)-1, Dumper (35 Tonne) -2, Rock Drill(115 mm)-1, Dozer-1, Water tanker-1	Mine suspended on 10.07.2020.	

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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 :****(S K MUDULI)**

Indian Bureau of Mines