

**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 : **S41**) **Y M SIVA PRASAD**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : RAMAKRISHNA REDDY MINES MANAGER
Official with
Designation
- (iv) Date of Inspection : 17/03/2018
- (v) Prev.inspection date :

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 :
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 backlog .	25 Core bore holes are completed.	---
1b	Exploration over lease area for geological axis 1 or 2	G 2 Axis.	M L area covered under G 2 axis.	
1d	Balance area to be explored to bring Geological axis in 1 or 2		As per data the entire areahas been explored.	
1e	Balance reserve as on 01/04/20	1.413 million tonnes.	1.308 million tonnes.	
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	298 m R L bench will be developed towards West side of M L area, Section R R'.	298 m R L bench has been developed towards West side of M L area, Section R R'.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	3 meter bench height will be maintained.	The same is observed during the inspection..	
2c	Stripping ratio or ore to OB ratio	100 : 0.012	100 : 0.012	
2d	Quantity of topsoil generation in m3	1000 cum.	1200 cum.	
2e	Quantity of overburden generation in m3	No proposals	-----	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-----	-----	

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	One pit.	One pit	
3b	Quantity of ROM mineral production proposed	1,97,357 tones	104985 tonnes (upto Feb 2018)	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No proposals.	-----	
3e	Grade of mineral rejects generation and threshold value declared.		Not applicable	
3f	Quantity of sub grade mineral generation.	No proposals	There is no generation of sub-grade mineral.	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method	Mechanised method	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposals	-----	
3j	Provision of drilling and blasting in mineral benches	Yes.	Drilling and blasting is carried out in mineral benches.	
3k	Provision of mining machineries in mineral benches	Yes.	Hydraulic Shovel bucket capacity of 3.0 cum. is used in mineral benches.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	At present 6 m bench height is proposed.	Yes. 6 m. bench height is formed.	
3m	Total area covered under excavation/pits	12.211 ha.	3.831ha.	

3n	Ore to OB ratio for the pit/mine during the year.	100 : 0.012	100: 0.012	
3o	Total area put in use under different heads at the end of year	5.551 HA.	Area under mining : 3.831 ha. Roads : 1.03 ha	
3p	Production of ROM mineral during the last five year period as applicable	2015-16 : 163476 T. 2016-17 : 177635 T. 2017-18 : 186581 T	2015-16 : Nil 2016-17 : Nil. 2017-18 : 104985 T (Up to Feb .2018).	
3q	General remarks of inspecting officers on method of mining etc.	-----	-----	-----

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposals	-----	
4b	Location of topsoil, OB and mineral reject dumps	No proposals	-----	
4c	Number of dumps within lease area and outside of lease area	No proposals	Existing dumps , prior to grant of Mining Lease area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposals	-----	
4e	Number of active and alive dumps.	No proposals	-----	
4f	Number of dead dumps.	No proposals	-----	
4g	Number of dumps established.	No proposals	-----	
4h	Whether Retaining wall or garland drain all along dumps are there.	Does not arise.	-----	

4j	Number of settling ponds	No proposals	-----	
4k	Specific comments of inspecting officer on waste dump management	N I L	N I L	N I L

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 proposals	Not yet matured for backfilling.	
5b	Area under backfilling of mined out area	No proposals	Not undertacking.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposals	-----	
5d	Total area fully reclaimed and rehabilitated	No proposals	Not yet matured for reclamation and rehabilitation.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	None	None	None.

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).	Yerarly report has to be submitted as per statue.	Yearly report for the year2017-18 is yet to be submit.	
6b	Area available for rehabilitation (ha) .	No proposals.	-----	

6c	afforestation done (ha).	0.4286 ha.	0.2 ha
6d	No. of saplings planted during the year	450 Saplings.	300 saplings.
6e	Cumulative no .of plants	300 saplings.	300 saplings.
6f	Any other method of rehabilitation	No proposals	-----
6g	Cost incurred on watch and care during the year	-----	-----
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposals.	Not matured for reclamation.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposals	Not matured for backfilling.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No proposals	N I L. Not matured for backfilling.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposals	Not applicable.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	-----	-----
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposals.	No waste land is there in the lease area. Plantation was proposed on 7.5 msafety barrier zone.

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposals.	Not applicable. No waste land is there.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed.	Being done.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-----	-----

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposals	ROM produced 104985 tonnes is consumed /despatched to Cement plant.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical.	Mechanical.	
7d	Any beneficiation process at mines	No proposals	Not Applicable.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-----	-----	-----

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Top soil will be reuse for plantation area ie 7.5 m barrier zone.	Seprate removal of top soil is used for plantationon safety barrier zone.	
8b	Concurrent use or storage of topsoil	Top soil will be stacked temporarily at W388-343, N 38-84 IN AN AREA OF 0.20 ha.	Top soil is stacked temporarily at W388-343, N 38-84 IN AN AREA OF 0.20 ha.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposals	-----	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)		Not Applicable.	None.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	A few shrubsare in the area.	It is noticed few shrubs in the area.	
8g	Survival rate	80 %	70%	
8h	Water sprinkling on roads to control airborne dust	Proposed	Water springling is being done on haul roadsto arrest airborne dust.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-----	-----	-----

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Annual return and Monthly returns are to be submitted as per statue.	Lessee is submitting monthly returns and Annual return are submitting through On-Line. Annual return for the year 2017-18 is yet to be submit ie by June 2018.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Annual return for the 2017-18 is not submitted.	Lessee has not apointed Whole time Mining Engineer and Geologist at teir mines.	Violation of rules 55 (1)(a) and 26 (2) of MCDR 2017. are pointed out to lessee.

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
MCDR17	Rule 11(1)	10/05/2018			
MCDR17	Rule 26(2)	10/05/2018			
MCDR17	Rule 31(3)	10/05/2018			
MCDR17	Rule 55(1)(1)	10/05/2018			

Date :

(Y M SIVA PRASAD)

Indian Bureau of Mines