

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

MCDR inspection REPORT

Hyderabad regional office

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

Mine code : 38APR11115

- (i) Name of the Inspecting : **C\$10**) **Ch.Suseela**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Shri K.Ramakrishna Reddy, Mines Manager.
Official with
Designation
- (iv) Date of Inspection : 10/08/2018
- (v) Prev.inspection date : 08/03/2018

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	NIL	NIL	
1b	Exploration over lease area for geological axis 1 or 2	No Proposal	NIL	The lessee has explored 70 ha under G1 scale, 45 ha under G2 scale and 68 ha under G3 scale
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	Rs.25 lakhs has been spent so far for the exploration already been carried out.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	_____	Proved -14.437 Million Tonnes Probable-17.125 Million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	About 113 ha area has to be brought under G1 scale of exploration.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E189400 to E189875 N1658650 to N1658175	As per proposal	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:0.04	1:0	There is no overburden
2d	Quantity of topsoil generation in m3	17364 cu.m	9799 cu.m	Top soil used for plantation purpose
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 and production was observed in the lease area. Hence violation was pointed out by the earlier inspecting officer.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	3 pits	3 pits	
3b	Quantity of ROM mineral production proposed	181290 tonnes	427700 tonnes	less production due to less demand
3c	Recovery of sailable/usable mineral from ROM production	98%	98%	
3d	Quantity of mineral reject generation	17564 cu.m	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	N.A	N.A	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	N.A	N.A	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	Crushing plant was found installed in the lease for crushing of ore	

3j	Provision of drilling and blasting in mineral benches	Deep hole drilling and blasting was proposed	Deep hole drilling and blasting is being carried out	
3k	Provision of mining machineries in mineral benches	Drilling machine Excavator, dumpers, Dozer	Drilling machine Excavator, dumpers, Dozer	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	8-9 m	9m	
3m	Total area covered under excavation/pits	43.396 ha	38.86 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.04	1:0	
3o	Total area put in use under different heads at the end of year	47.766 ha	49.485 ha	
3p	Production of ROM mineral during the last five year period as applicable	2013-14-2093263 t, 2014-15-2011705 t, 2015-16-2100060 t, 2016-17-2100483, 2017-18-1812189 t	2013-14- 1141170 t , 2014-15-972100 t, 2015-16-949015 t, 2016-17-867000 t, 2017-18-427700 t	
3q	General remarks of inspecting officers on method of mining etc.	_____	_____	There is a deviation in mining operations hence a violation of Rule 11(1) was pointed out on 18.5.2018 by the earlier inspecting officer. The same is being followed up.

Solid Waste Management - Dumping:

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 a proposal for top soil to be stacked.	Top soil generated is utilised for plantation hence no stacking is required.	
4b	Location of topsoil, OB and mineral reject dumps	N1685075 to N16857868 E189200 to E189192	No stacking of top soil as the same is being utilised for plantation purpose.	
4c	Number of dumps within lease area and outside of lease area	One dump within the lease area	One dump within the lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Beyond UPL	Beyond UPL	
4e	Number of active and alive dumps.	One	One	
4f	Number of dead dumps.	NIL	NIL	
4g	Number of dumps established.	NIL	NIL	
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	NIL	
4j	Number of settling ponds	No Proposal	NIL	
4k	Specific comments of inspecting officer on waste dump management	_____	_____	waste material is being utilised for backfilling against no proposal of generation. Violation of Rule 11(1) has already been pointed out and the same is being followed up.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposal	In Pit No.1 some portion is found back filled against no such proposal.	
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)	Top soil is proposed for plantation	Top soil is being utilised for plantation purpose.	
5d	Total area fully reclaimed and rehabilitated	No proposal	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	_____	_____	Some area found backfilled in pit no.I against no such proposal, hence violation of Rule 11(1) was pointed out to the party and the same is being followed up.

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).	Yes, to be submitted	Submitted for the year the 2017-18	
6b	Area available for rehabilitation (ha) .	No proposal	NIL	
6c	afforestation done (ha).	NIL	NIL	
6d	No. of saplings planted during the year	NIL	NIL	
6e	Cumulative no .of plants	NIL	NIL	

6f	Any other method of rehabilitation	NIL	NIL
6g	Cost incurred on watch and care during the year	NIL	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	NIL	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	1000 saplings to be planted in 1.0 ha	1000 saplings planted in 0.5 ha
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	NIL	NIL

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NIL	NIL	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring of environmental monitoring is to be carried out	Quarterly monitoring of environmental monitoring is being carried out	
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 grade wise sorting. ROM is 1812189 tonnes	427700 tonnes	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not applicable	NIL	
7c	Different grade of mineral sorted out at mines.	Not Applicable	Not Applicable	
7d	Any beneficiation process at mines	No proposal	NIL	
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)	Yes, for plantation	Top soil is being utilised for plantation.
8b	Concurrent use or storage of topsoil	Yes, for plantation	Being used for plantation
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Some part of Pit No.1 is back filled with waste material.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	In Pit No.1 waste is found backfilled.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	ML area is rocky with small shrubs . There is a proposal of 1000 plants during the year 2017-18	1650 saplings have been planted
8g	Survival rate	80%	85%
8h	Water sprinkling on roads to control airborne dust	Yes	water sprinkling on roads is being carried out for dust suppression.
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	Monthly and Annual returns are being submitted in time	Monthly and Annual returns are being submitted in time	
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	Sri. S.Srinivasulu Setty, Mining Engineer, Sri. M.Ramesh Babu, Geologist, Sri.K.Ramakrishna Reddy, Mines Manager	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under Pits-38.86 ha, Dumps-0.5 ha, Reclaimed area-NIL	Area under Pits-38.86 ha, Dumps-0.5 ha, Reclaimed area-NIL	
9d	Scrutiny of Annual return on afforestation	1650 plants during the year 2017-18	1650 plants during the year 2017-18	
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	COP-Rs.237.66/-	COP-Rs.237.66/-	No sale value and ex. mine price since the mineral is for captive consumption.
9h	Scrutiny of Annual return on fixed assets	NIL	NIL	
9k	Scrutiny of Annual return on mining machineries	Shovel-2, Dumpers-4, Rock drill-1, Explosive Van-1, Dozer-1, water tanker-1	Shovel-2, Dumpers-4, Rock drill-1, Explosive Van-1, Dozer-1, water tanker-1	

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 :

(Ch.Suseela)

Indian Bureau of Mines