

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

**MCDR inspection REPORT  
Hyderabad regional office**

**Mine file No :** AP/NLG/LST-26/HYD

**Mine code :** 38APR14036

- (i) Name of the Inspecting : S11 ) SHAILENDRA KUMAR  
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sri M Ramchander, DGM(Mines)  
Official with  
Designation
- (iv) Date of Inspection : 08/02/2019
- (v) Prev.inspection date : 30/08/2017

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : CHANAKYA CEMENTS
- (b) **Registration NO.** : IBM/1099/2011
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TELANGANA
- District : NALGONDA
- Village : GANESHPAHAD
- Taluka : DAMARCHERLA
- Post office : WADAPALLY
- Pin Code : 508355
- FAX No. : 09848079847
- E-mail : ganeshpahad@pennacement.com
- Phone : 914023353945, 23353950, 98480
- (f) **Police Station** : WADAPALLY
- (g) **First opening date** : 21/01/2002
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : GANESHPAHAD VILLAGE  
WADAPALLY POST, DAMARACHERLA MANDAL,  
NALGONDA DISTRICT
3. (a) **Lease Number** : APR1098
- (b) **Lease area** : 354.23
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 20/12/2021
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 : P.VENUGOPAL REDDY  
 PLOT.NO.703,ROAD NO.3,  
 SRINIKETAN COLONY, BANJARA  
 HILLS HYDERABAD TELANGANA  
 Phone: 040-23353945  
 FAX : 040-23353951

Agent : C.KONDAIAH  
 GANESHPAHAD VILLAGE  
 WADAPALLY P.O NALGONDA  
 TELANGANA  
 Phone: 08683-229714  
 FAX : 09848079847

## Mining Engineer

Name : V.SHIVA KUMAR,Full Time  
 Qualification : B.TECH(MINING)  
 Appointment/ : 28/02/2009  
 Termination date

## Geologist

Name : D.SAMBIAH,Full Time  
 Qualification : M.SC(GEOLOGY)  
 Appointment/ : 25/07/2003  
 Termination date

## Manager

Name : K.RAMA SUBBIAH  
 Qualification : AMIE (MINING)  
 Appointment/ : 22/04/2004  
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	20/11/2001
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	09/04/2007
		Mining Scheme rule 12 MCDR1988	15/10/2012
		MP review under 17(1) MCR 2016	24/06/2017

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	Nil
1b	Exploration over lease area for geological axis 1 or 2	76	76	covered the entire lease under G1 scale of exploration
1c	Exploration Agencies and Expenditure in lakh rupees during the year	--	M/s JP kordrilling Agencies have carried out the drilling. An expenditure of Rs.25,07,330/- has incurred.	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Nil
1e	Balance reserve as on 01/04/20	91.537 Million tonnes	122.52 Million tonnes	None

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	The working is proposed between gridlines N10600-E20480, N10380-E20560,	The workings were carried out as proposed in the approved document.	None
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	It is proposed to make benches in mineral only.	Benches are made in mineral only.	None
2c	Stripping ratio or ore to OB ratio	Nil	1:0.06	None
2d	Quantity of topsoil generation in m3	7360 Cu.m	4200 Cu.m	None
2e	Quantity of overburden generation in m3	10880 cu.m	9000 cu.m	None

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	None	None	None
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**Exploitation:**

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	One pit	None
3b	Quantity of ROM mineral production proposed	1.3 Million tonnes was proposed for 2017-18.	Acheived 1.24 Million tonnes duirng 2017-18	None
3c	Recovery of sailable/usable mineral from ROM production	--	Total ROM consumed in captive plant of lessee compnay	None
3d	Quantity of mineral reject generation	Nil	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	Nil
3f	Quantity of sub grade mineral generation.	Nil	Nil	Nil
3g	Grade of sub grade mineral generation	Nil	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	None	None	None
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	None
3j	Provision of drilling and blasting in mineral benches	Proposal has been made for drilling and blasting in mineral benches	Drilling and blasting being carried out in mineral benches	None

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3k	Provision of mining machineries in mineral benches	Proposal has been made for moving mining machineries in mineral benches	Provision has been made for mining machinery to work in mineral benches.	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	proposed to maintain height of benches at 8-9 meters.	It was observed during the inspection that bench height was maintained at 8-9 meters.	None
3m	Total area covered under excavation/pits	73.54 ha	73.44 ha	None
3n	Ore to OB ratio for the pit/mine during the year.	Nil	1:0.006	None
3o	Total area put in use under different heads at the end of year	56.39 ha	56.29 ha	None
3p	Production of ROM mineral during the last five year period as applicable	2013-14- 1.49 Million tonnes 2014-15-1.49 million tonnes 2015-16-1.50 million tonnes 2016-17-1.49 million tonnes 2017-18-1.33 million tonnes	2013-14-0.99 million tonnes 2014-15-0.80 million tonnes 2015-16-0.98 million tonnes 2016-17-1.19 million tonnes 2017-18-1.24 million tonnes	None
3q	General remarks of inspecting officers on method of mining etc.	None	None	None

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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)	None	None	None
4b	Location of topsoil, OB and mineral reject dumps	It was proposed to use topsoil generated for green belt development	The topsoil generated is being totally used for green belt development	None

4c	Number of dumps within lease area and outside of lease area	Nil	23 inactive dumps were observed.	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	South side of Mining lease.	South side of Mining lease.	None
4e	Number of active and alive dumps.	Nil	23 in active dumps	None
4f	Number of dead dumps.	Nil	Nil	Nil
4g	Number of dumps established.	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes a retaining wall was constructed against the old inactive dumps	None
4i	Length of Retaining wall or garland drain all along dumps	--	80 meters	None
4j	Number of settling ponds	None	None	None
4k	Specific comments of inspecting officer on waste dump management	None	None	None

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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 for reclamation duiring the year 2017-18.	No reclamation carried out duiring 2017-18	None
5b	Area under backfilling of mined out area	Nil	1.75 ha was recalimed duiring the year 2008-09.	None
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Proposed to use generated topsoil for plantation	Topsoil generated is being used for plantation.	None

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5d	Total area fully reclaimed and rehabilitated	None	None	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.	None	None	None

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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).	--	Yes submitted	None
6b	Area available for rehabilitation (ha) .	None	None	None
6c	afforestation done (ha).	It was proposed to plant 1900 saplings duiring 2017-18	About 1780 saplings were planted duiring the year 2017-18.	None
6d	No. of saplings planted during the year	1900	1780	
6e	Cumulative no .of plants	--	20000 saplings planted since begining	None
6f	Any other method of rehabilitation	Nil	Nil	Nil
6g	Cost incurred on watch and care during the year	--	it was reported that about Rs. 300000/- was incurred for the said purpose.	None
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Nil	Nil	Nil

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Nil	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Nil	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Nil	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Nil	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Nil	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed to carry out quarterly monitoring of environmental parameters	Quarterly monitoring of the environmental parameters are being carried out regularly and are within permissible limits.	None
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Nil	Nil	Nil

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was proposed to produce 1.3 million tonnes duirng 2017-18	The reported production was 1.24 million tonnes	None
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	None	None	None
7c	Different grade of mineral sorted out at mines.	None	None	None
7d	Any beneficiation process at mines	Nil	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	None	None	None

## Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	It was proposed to use the topsoil generated for plantation purpose.	It was observed duirng the inspection that the topsoil generated is being utilised for plantation.	None
8b	Concurrent use or storage of topsoil	To be used for plantation	Being used for plantation.	None
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	Nil

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	--	Except for the plantation made by lessee and few shrubs no other vegetation was noticed.	None
8g	Survival rate	80%	80%	None
8h	Water sprinkling on roads to control airborne dust	It was proposed to use water sprinkling for dust suppression in the mining lease.	The dust suppression measures are being taken by lessee by way of water sprinkling.	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	None	None	None

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	--	The Monthly and Annual return are being submitted regulary.	None
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	In Annual return 2017-18 it was reported that Sri M Ramchander as Manager, Sri Laxman Rao as Mining Engineer and Sri Sambaiah as Geologist.	The same were observed duirng the inspection.	None

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	In Annual return it was reported that Area under mining is 54.080 ha, are reclaimed earlier as 1.610 ha	The same was observed during inspection.	None
9d	Scrutiny of Annual return on afforestation	In Annual return it was mentioned as 1780	Same was noticed during inspection.	None
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	In AR it was reported that 1.24 million tonnes was produced.	Same was noticed during inspection.	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	In Annual return the ex-mine price was mentioned as Rs.153.07/-	The same was noticed during inspection.	None
9h	Scrutiny of Annual return on fixed assets	In Annual return the value of fixed assets was reported as 4198980/-	--	None
9k	Scrutiny of Annual return on mining machineries	In Annual return following mining machinery were noticed: 1. Hydraulic shovel 2. Dumper 3. Air compressor 4. Water tanker 5. Explosive van 6. Rock drill (115 mm) 3.	The same machinery were observed during the inspection.	None

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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 :**

(**SHAIENDRA KUMAR**)

Indian Bureau of Mines