

**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 : **PR09**) **M.Pratap.Reddy**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : M.RAMCHANDER MINES MANAGER
Official with
Designation
- (iv) Date of Inspection : 30/08/2017
- (v) Prev.inspection date : 30/11/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **CHANAKYA CEMENTS**
- (b) **Registration NO.** :
- (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 : penna@satyam.net.in
Phone : 914023353945,23353950,98480
- (f) Police Station : WADAPALLY
- (g) First opening date : 21/01/2002
- (h) Weekly day of rest : SUN
2. Address for : GANESHPAHAD VILLAGE
correspondance : 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	28 Boreholes	28 Boreholes	The proposed exploration by means of drilling of 28 coreboreholes have been completed in the month of July 2017.
1b	Exploration over lease area for geological axis 1 or 2	G1 Scale of exploration	G2 Scale of is exploration has been completed and G1 scale of exploration is under progress.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee Company. Expenditure details have not been furnished.	The exploration has been carried out by M/s J/P Kore drilling Agency. The expenditure incurred is RS. 6,77,250/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	13 ha	Exploration is under progress.	
1e	Balance reserve as on 01/04/20	63 Million Tonnes	65 Million Tonnes	Anticipated production has not been achieved.
1f	General remarks of inspecting officers on geology, exploration etc	Simple sedimentary bedded deposit with G2 scale of exploration.	It is simple sedimentary bedded deposit. G1 Scale of exploration is under progress.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Ist bench N9463-9863 & E4256-5062 and 2nd bench N 94444-9659 & E4626-5042.	Ist bench N9463-9863 & E4256-5062 and 2nd bench N 94400-9650 & E4600-5030.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No such proposal is made	-	There exists no top soil and Overbureden except interburden

2c	Stripping ratio or ore to OB ratio	Nil	1:1.06	The Overburden is in the form of intercalated waste (interburden)
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	Nil	10,000 cum	The OB is in the form of interburden consisting of Yellow Calcarious Clay.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Simple bedded deposit and no overburden benches have been proposed since there is no OB.	No Ob benches exists. All the development and benches have been developed in Limestone itself.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two	Two	
3b	Quantity of ROM mineral production proposed	15,00,000 T Limestone	11,95,115 T Limestone.	
3c	Recovery of sailable/usable mineral from ROM production	100 %	95%	The 5% loss is accounted for intercalated waste.
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No such proposal is made.	Not applicable	
3f	Quantity of sub grade mineral generation.	Nil	-	
3g	Grade of sub grade mineral generation	Nil	-	

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.	No such proposal is made.	None.	
3j	Provision of drilling and blasting in mineral benches	Yes	Drilling and blasting in mineral benches has been done.	
3k	Provision of mining machineries in mineral benches	Yes,	Provision for mining machinary in the mineral benches has been made.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes,	There are no overburden benches. The benches in mineral(Limestone) are made as proposed in the Scheme of Mining.	
3m	Total area covered under excavation/pits	84.36 ha	54.08	Less excavation is done due less intake of Limestone by the plant.
3n	Ore to OB ratio for the pit/mine during the year.	Nil	1: 0.06	
3o	Total area put in use under different heads at the end of year	110.41 ha	101.19 ha	
3p	Production of ROM mineral during the last five year period as applicable	2012-13= 14,99,945 T, 2013- 14=14,99,945 T, 2014- 15=14,99,998 T, 2015- 16=15,00,001 T and 2016- 17=14,99,998 T	2012-13= 12,20,000 T, 2013-14=9,91,000 T, 2014-15=8,04,850 T, 2015-16=9,86,782 T and 2016-17=11,95,115 T	
3q	General remarks of inspecting officers on method of mining etc.	Opencast mechanised method of mining	As proposed opencast mechanised method of mining is being carriedout.	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Nil	Nil	
4b	Location of topsoil, OB and mineral reject dumps	Nil	Nil	There was no generation of top soil and OB during 2017-18. However in the past whatso ever top soil is generated was concurrently and productively used for afforestation purpose.
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	However there exists one dump of low grade Limestone which is generated during the laying of the Railway line.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	-	The low grade Limestone dump lies on the southern side of the ML which is beyond UPL.
4e	Number of active and alive dumps.	Nil	Nil	
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.	Nil	Nil	
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management	During the year 2016-17, there is no waste generation proposals.	There is no waste generation during 2016-17.	

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No such proposals have been made	-	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No backfilling proposals have been proposed during 2016-17	nil	

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	Submitted	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	During the year 2016-17, 1765 saplings over an extent of 1.18 ha has been proposed.	During the year 2016-17, 17.1,860 saplings have been done over an extent of 1.48 ha.	
6d	No. of saplings planted during the year	1765 saplings	1860 saplings	
6e	Cumulative no .of plants	10,785 saplings	10,950 saplings.	
6f	Any other method of rehabilitation	None	-	

6g	Cost incurred on watch and care during the year	No cost details proposed.	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No such proposals have been made.	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No such proposals have been made.	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No such proposals have been made.	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposals have been made.	-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No such proposals have been made.	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No such proposals have been made.	-
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No such proposals have been made.	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Periodical monitoring is proposed.	As proposed, periodical monitoring of Environmental parameters is being carried out in core aswell as in buffer zone.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Afforestation and periodical monitoring of environmental parameters is proposed.	As proposed, Afforestation and periodical monitoring of environmental parameters is done
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	1499998 T	1195115 T	There is no gradewise sorting
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No such proposal is made.	-	
7c	Different grade of mineral sorted out at mines.	No such proposal is made	-	
7d	Any beneficiation process at mines	No such proposal is made.	-	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No specific such proposals have been made.	The entire ROM is consumed.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No such proposal exists for the year 2016-17.	-	
8b	Concurrent use or storage of topsoil	No such proposal exists in the year 2016-17.	-	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No such proposal exists in the year 2016-17.	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such proposal exists in the year 2016-17.	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No such proposal exists in the year 2016-17.	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	In addition to the existing saplings of 8985, additional saplings about 1765 have been proposed in the year 2016-17	In addition to the existing saplings of 9090, additional saplings about 1860 have been done in the year 2016-17
8g	Survival rate	80%	85%
8h	Water sprinkling on roads to control airborne dust	Proposed.	Periodical water sprinkling is done on haul roads to arrest airborne dust.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	To add aesthetic beauty, afforestation is proposed.	As proposed, afforestation is done which is making aesthetic beauty in and around the subject 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	MR shall be submitted before 10th of every month in respect of preceding month. AR which shall be submitted before 1st July each year for the preceding Financial Year.	Submitted.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	To be furnished.	Furnished.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	To be furnished.	Furnished.
9d	Scrutiny of Annual return on afforestation	To be furnished.	Furnished.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	To be furnished.	Furnished to be nil.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	To be furnished.	ROM closing stock is 13775 T, Cement grade.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	To be furnished.	The Ex.mine price furnished to be Rs.160.85/-
9h	Scrutiny of Annual return on fixed assets	To be furnished.	Fixed assets valu is Rs 169836200/-
9k	Scrutiny of Annual return on mining machineries	To be furnished.	Furnished.

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 :**(M.Pratap.Reddy)**

Indian Bureau of Mines