

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

MCDR INSPECTION REPORT

Hyderabad regional office

Mine file No : AP/ANP/LST-6/HYD

Mine code : 38APR02019

- (i) Name of the Inspecting : **M017**) **MANISH K MAINDIRATTA**
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Shri M Ramanjaneya Reddy Mines Manager
Official with
Designation
- (iv) Date of Inspection : 05/03/2020
- (v) Prev.inspection date : 19/07/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **URICHINTALA**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : ANDHRA PRADESH
District : ANANTAPUR
Village : TADIPATRI
Taluka : TADIPATRI
Post office : URICHINTALA
Pin Code : 515411
FAX No. : 040-23353951
E-mail : pcilhyd@hyd1.vsnl.net.in
Phone : 23353945,23353950,23353952
- (f) Police Station :
- (g) First opening date : 29/01/1988
- (h) Weekly day of rest : SUN
2. Address for : TALARICHERU(V0TADIPATYRI(M)
correspondance ANANTAPUR.DIST.ANDRAPRADESDH
PHONENO.08558-286055,286066.FAX08558-286044
3. (a) Lease Number : APR1224
(b) Lease area : 178.25
(c) Period of lease : 20
(d) Date of Expiry : 18/12/2014
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 : SATISH REDDY
 M/S PENNA CEMENT INDS PLOT
 NO.703, SRINIKETAN COLONY
 ROAD NO.3 BANJARA HILLS
 HYDERABAD TELANGANA
 Phone: 040-23353952/95
 FAX : 040-23353951

Agent : C.J.REDDY
 PENNA CEMENT INDUSTRIES LTD
 TALARCHERUVU VILLAGE
 TADIPATRI MANDAL ANANTAPUR
 ANDHRA PRADESH
 Phone: 08558-286055,66
 FAX :

Mining Engineer

Name : L.Sainath,Full Time
 Qualification : B.Techin Mining Engineering.
 Appointment/ :
 Termination date

Geologist

Name : M Ramesh Babu,Full Time
 Qualification :
 Appointment/ :
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	26/07/2002
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	19/07/2012
	:	Mining Scheme rule 12 MCDR1988	01/04/2013
	:	Mining Scheme rule 12 MCDR1988	29/10/2014
	:	MP modif under MCR 1960	30/10/2015
	:	MP review under 17(1) MCR 2016	22/11/2018

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 for exploration in 2018-19 to convert balance G4 area to G1 level of exploration	Not done	Balance area exploration is proposed in 2021-22 for conversion into G1 level of exploration
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20	Reserves were reassessed (as on 31.08.2018) at the time of prep of MMP approved on date 22.11.2018. 111-8.368 mT 331= 13 mT	Depletion 1/9/2018 to 31/3/2019=341610 T (0.34mT) Balance reserves as on 1/4/2019= 8.028mT	

1f	General remarks of inspecting officers on geology, exploration etc	Lease Extension upto 31.03.2030 as per MCR-2016 (GOMs No-95 dated 13.08.2018. Supplementary deed signed on 27/12/2018. State government has issued the DGPS value of the boundary pillars.	The lease area is on top of a hill with sharp slopes of the hill in southern part of the hill.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Along section line CC' to EE'	E186500-E187100, N1652500-1652950. Broadly in the same area.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal	Top Soil is not available. It is devoid of OB as well. Hence Not applicable	
2c	Stripping ratio or ore to OB ratio	Lease area is devoid of OB	Not Applicable	
2d	Quantity of topsoil generation in m3	No proposal	Nil Generation	
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	The sump has been developed of 3m depth is developed for water harvesting.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	2018-19 660943.63 Tones	2018-19= 540000Tones	2019-20 465930Tones (upto 3rd March 2020)
3c	Recovery of sailable/usable mineral from ROM production	Entire mineral is proposed to be used	100% recovered and utilized.	
3d	Quantity of mineral reject generation	No mineral rejects Proposed	No mineral rejects generated	
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	Not Applicable	
3f	Quantity of sub grade mineral generation.	No proposal	Nil Generated	
3g	Grade of sub grade mineral generation	Not Applicable	Not Applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Not Applicable	Only simultaneous blending is done as per plant requirement.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Not required at present	

3j	Provision of drilling and blasting in mineral benches	150mm dia drilling with Blasting is proposed by using milli second delay detonators for better fragmentation.	150mmdia of dis/743C model Drill with Compressor.. Blasting is done by using Non-electric detonators in combination with slurry and ANFO for better fragmentation.	
3k	Provision of mining machineries in mineral benches	Hydraulic shovel -Dumper combination is proposed for mineral handling .	3.0 cum bucket capacity hydraulic shovels - and 35 tonner dumper -6 combination is adopted for mineral handling.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	8 m bench ht is proposed in mineral bench	8 mt bench is maintained in mineral bench	As no overburden in mines , no OB benches are formed.
3m	Total area covered under excavation/pits	18.31 ha	It is observed that about 16 ha. is under excavation at present.	
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil	
3o	Total area put in use under different heads at the end of year	24.69 ha	About 22.2 hectare is put to use for working, Infra, plantation.	
3p	Production of ROM mineral during the last five year period as applicable	2019-20 -- 1212520 2018-19- 660943.63 2017-18- 661192.13 2016-17-- 658593.70 2015-16-- 660588 2014-15-- 470000	2019-20(upto 3rd march 2020) =465930MT 2018-19= 540000MT 2017-18= 301000MT 2016-17=192700 MT 2015-16=Nil 2014-15=Nil	

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 such proposal as area is devoid of OB and top soil.	Not Applicable	
4b	Location of topsoil, OB and mineral reject dumps	Not Applicable	Not Applicable	
4c	Number of dumps within lease area and outside of lease area	No proposal	No such dump is there	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Applicable	Not Applicable	
4e	Number of active and alive dumps.	No proposal	Nil	
4f	Number of dead dumps.	Not Applicable	Nil	
4g	Number of dumps established.	Not Applicable	Not Applicable	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not Applicable	Not Applicable	
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 Not Applicable Not Applicable

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	Not done.	Not mature for backfilling
5b	Area under backfilling of mined out area	No proposal	Not done	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No top soil generation assessed.	No top soil generated.	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil as there area is not mature for the purpose.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	After the extraction of mineral the general ground level will go down . It will be developed as water reservoir by leaving the benches at the boundary as a barrier .		

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Required to be submitted as per rule	Submitted for 2018-19
6b	Area available for rehabilitation (ha) .	Management of worked / mined out benches	Not done
6c	afforestation done (ha).	Management of worked / mined out benches	Not done
6d	No. of saplings planted during the year	Management of worked / mined out benches	Not done
6e	Cumulative no .of plants	Management of worked / mined out benches	Not done
6f	Any other method of rehabilitation	No proposal for backfilling	Not done
6g	Cost incurred on watch and care during the year	No proposal for backfilling	No proposal
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal for backfilling	No proposal
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal for backfilling	No proposal
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal for backfilling	No proposal

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal for backfilling	No proposal	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	The pit will be converted into reservoir during the conceptual period.	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	400 saplings Over 0.6 hectare	500 saplings Over 0.6 hectare	Plantation is done along pillar 1 to 5 and 1 to 16
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	400 saplings Over 0.6 hectare	500 saplings Over 0.6 hectare	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation		Monitoring done regularly	
6p	Compliance of environmental monitoring (core zone and buffer zone)			
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal	Entire area mineral used after simultaneous blending	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Not applicable	No proposal was there for grade wise sorting.
7c	Different grade of mineral sorted out at mines.	No proposal	Not Applicable	
7d	Any beneficiation process at mines	No proposal	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No proposal	Not Applicable as the entire mineral is consumed as such.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Not Applicable	
8b	Concurrent use or storage of topsoil	No proposal	Not Applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	Not Applicable	Area is devoid of overburden

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Not Applicable	Area is devoid of overburden
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Not Applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	400 saplings proposed for plantation Over 0.6 hectare area in 2018-19	500 saplings Over 0.7 hectare area 2018-19 Cumulative about 1431 saplings are in the mining lease. Plantation has been done along the haul road from Mine to crusher , which is situated outside the mine.	
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	10KL mobile water sprinkler .	10KL mobile water tanker with sprinkler is provided to suppress the Air borne dust on the Haul road.	
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	M.R. Submitted up to JAN-2020 Annual return submitted up to 2018- 2019.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	L.V Sainath Reddy- Mining Engineer Geologist-V. Pullaiah Manager- K Ramanjaneya Reddy	Same are working at present.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current working- 16 hectare Infra- 4.120 ha. Plantation 2.150 hectare	Broadly the same area is put to use.
9d	Scrutiny of Annual return on afforestation	500 saplings over 0.7 hectare	As per proposal
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil reported	Nil reported
9f	Scrutiny of Annual return on ROM stock and/or graded ore		ROM production of 540000 T observed as per record.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		Ex Mine price is reported as Rs 165 PMT
9h	Scrutiny of Annual return on fixed assets	Data submitted in the returns	

9k	Scrutiny of Annual return on mining machineries	Submitted	1 backhoe- 3 cu m Dumper- 4 nos. Dozer-1 no. Drill machine 150mm- 1 no Water tanker- 1 (10KL cap.)
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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

Date :

(MANISH K MAINDIRATTA)

Indian Bureau of Mines