

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

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/GNR/LST-20/HYD

Mine code : 38APR07001

- (i) Name of the Inspecting : **M017**) **MANISH K MAINDIRATTA**
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sri. M Prabhakara Rao
Official with
Designation
- (iv) Date of Inspection : 20/01/2020
- (v) Prev.inspection date : 09/01/2019

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **GAMALPADU(DCW611/18)170.2**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : ANDHRA PRADESH
District : GUNTUR
Village : GAMALAPADU
Taluka : DACHEPALLI
Post office : DACHEPALLI
Pin Code : 522414
FAX No. : 08649-57429
E-mail : balu ruk@yahoo.com
Phone : 08649-57429
- (f) Police Station :
- (g) First opening date : 21/03/1983
- (h) Weekly day of rest : SUN
2. Address for : ANDHRA CEMENTS LTD, DCW, DURGAPURAM
correspondance : DACHEPALLI
GUNTUR DT.
3. (a) Lease Number : APR1100
(b) Lease area : 170.22
(c) Period of lease : 20
(d) Date of Expiry : 18/01/2018
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : ANDHRA CEMENTS LTD.
 II FLOOR, CHANDRALOK
 COMPLEX III, S.D.ROAD,
 SECUNDERABAD. HYDERABAD
 TELANGANA
 Phone:3399781
 FAX :040-3394147

Owner : P.C.NALWAYA
 ANDHRA CEMENTS LTD,DURGA
 CEMENT
 WORKS ,DURGAPURAM ,DACHEPALLI
 , GUNTUR ANDHRA PRADESH
 Phone:
 FAX :

Agent : T.V. RAMANA MURTHY
 Andhra Cements Ltd,
 Chandralok Complex,
 Secunderabad. GUNTUR ANDHRA
 PRADESH
 Phone: 040-66260110-113
 FAX : 040-27892578

Manager
 Name : D.SOMIAIAH
 Qualification :
 Appointment/ : 05/11/2001
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	24/11/1998
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	21/06/2004
		Modif.approved Mining Scheme	31/05/2007
		Mining Scheme rule 12 MCDR1988	23/09/2008
		MP modif under MCR 1960	20/03/2015
		MP review under 17(1) MCR 2016	12/09/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	NA	
1b	Exploration over lease area for geological axis 1 or 2	120.94 ha is covered under G1 or G2	About 120.94 ha is covered under G1 or G2	At the time of approval of document, 12 boreholes were pending which have already been completed .
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No exploration proposal was there for 2018-19	No expenditure as such in 2018-19.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	As per approved Mod. Mining Plan Area under G1= 32 hectare G2= 84 hectare G3= 54.22 hectare	Entire area has broadly been covered under G1 level of exploration with completion of exploration.	Geol plan and sections have not been updated.
1e	Balance reserve as on 01/04/20	Reserves assessed as on 1/7/2017 in the MMP approved on 12/9/2017. 111/122 =52.443 mT 211/222= 6.043 mT 333 = 56.267 mT	Depletion= 1/7/2017- 31/3/2018= 1.012 m T. 2018-19= 0.908 mT Balance reserve/ resource 111 (reserves)= 50.523 mT 211/222 (resource)= 6.043 333 (resource)= 56.267 mT	

1f General remarks of inspecting officers on geology, exploration etc Initially lease granted on 19/1/1978. The first Renewal deed signed on 2/4/2004 for the period upto 18/1/2018. The State Government has not issued order in line with section 8(A)(6) regarding extension of lease. In the absence of State Government's order, the lease is deemed to be extended.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit No. 01 & Pit 02 Between grid lines 1841798-1842688 and 361656-364468 & 1841059-1841853 and 361656-361828.	Pit No. 01 & 02	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal for separate bench of topsoil, overburden and mineral is there	No separate bench is there.	
2c	Stripping ratio or ore to OB ratio	1:0	NA	
2d	Quantity of topsoil generation in m3	Nil proposed	Nil generated	

2e	Quantity of overburden generation in m3	Nil proposed	Nil generated
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two	Two	
3b	Quantity of ROM mineral production proposed	3.00 Million Tones/Year	0.938 Million Tones	As per Plant requirement
3c	Recovery of sailable/usable mineral from ROM production	Entire mineral is proposed for utilisation.	Entire mineral is being used for the purpose	
3d	Quantity of mineral reject generation	Not applicable	Not applicable	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Not applicable	Neither proposed nor generated
3f	Quantity of sub grade mineral generation.	Not applicable	Not applicable	
3g	Grade of sub grade mineral generation	Not applicable	Not applicable	Neither proposed nor generated
3h	Manual / Mechanised method adopted for segregating from ROM	Not applicable	Not applicable	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not applicable	Not applicable	

3j	Provision of drilling and blasting in mineral benches	Drilling using 115mm dia drill holes, blasting using ANFO- slurry proposed.	Drilling using 115mm dia drill holes, blasting using ANFO- slurry initiation system practiced
3k	Provision of mining machineries in mineral benches	Loading by 2.7 cu m excavator, and transport by 25 T dumper proposed	Mechanised loading and transportation being done.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Area is devoid of OB or top soil. Max bench height in mineral proposed as 8 mtr.	In the working areas the bench height of 8m is maintained.
3m	Total area covered under excavation/pits	Till 31.3.2022, 75.852 ha. Is proposed to be brought under excavation.	About 73 ha area is under pit.
3n	Ore to OB ratio for the pit/mine during the year.	1:0	Not applicable
3o	Total area put in use under different heads at the end of year	Till 31.3.2022, 85 ha. Is proposed to be proposed to be put to use.	Covered under current (O/C) Workings 73.670 ha. Temporary storage for sizing of boulders- 1 ha. Reclaimed- 0.500 ha. Occupied by plant, buildings, residential, welfare buildings & roads- 3.232 ha.
3p	Production of ROM mineral during the last five year period as applicable	2014-15= 1316805 T 2015-16= 3000020T 2016-17= 3000040T 2017-18= 3000060T 2018-19=3000000T	2014-15= 838825 T 2015-16= 975962 T 2016-17= 1146406T 2017-18= 1414570T 2018-19=908404T

3q General remarks The haul road
of inspecting and floor are
officers on not found to
method of mining be maintained
etc. properly,
Lessee has
been advised
accordingly in
field.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not applicable	Not applicable	
4b	Location of topsoil, OB and mineral reject dumps	Not applicable	Not applicable	Only a temporary site is there for the sizing of the boulder before feeding to the crusher.
4c	Number of dumps within lease area and outside of lease area	Not applicable	Not applicable	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not applicable	Not applicable	
4e	Number of active and alive dumps.	Not applicable	Not applicable	
4f	Number of dead dumps.	Not applicable	Not applicable	
4g	Number of dumps established.	Not applicable	Not applicable	
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

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.	Not applicable	Not applicable	
5b	Area under backfilling of mined out area	Not applicable	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not applicable	Not applicable	
5d	Total area fully reclaimed and rehabilitated	Not applicable	Not applicable	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not applicable	Not applicable	

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).	Submitted before 1st july	Submitted before 1st july	
6b	Area available for rehabilitation (ha) .	No proposal for rehab. of benches	Not done	

6c	afforestation done (ha).	No proposal for rehab. of worked out benches	Not done
6d	No. of saplings planted during the year	No proposal for rehab. of worked out benches	Not done
6e	Cumulative no .of plants	No proposal for rehab. of worked out benches	Not done
6f	Any other method of rehabilitation	-	-
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 proposal for rehab. of worked out benches	Not done
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal for rehab. of worked out benches	Not done
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No proposal for rehab. of worked out benches	Not done
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal for rehab. of worked out benches	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	3450 saplings over 2.255 hectare within ML in 2018-19	2276 saplings over 3.21 hectare within ML in 2018-19& 1323 saplings outside ML along lease boundary towards plant. 2276 saplings over 3.21 hectare within ML in 2018-19& 1323 saplings outside ML	--
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	2276 saplings over 3.21 hectare within ML in 2018-19& 1323 saplings outside ML		
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	-	-	
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	Not applicable	Not applicable
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not applicable	Not applicable
7c	Different grade of mineral sorted out at mines.	Not applicable	Not applicable
7d	Any beneficiation process at mines	Not applicable	Not applicable
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Concurrent use if produced	Not Applicable	Not Applicable
8b	Concurrent use or storage of topsoil	No Proposal	Not applicable	Not applicable
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not applicable	Not applicable	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not applicable	Not applicable	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not applicable	Not applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		3599 saplings have been planted in 2018-19.	About 5 hectare area is under plantation at present.
8g	Survival rate		75%	
8h	Water sprinkling on roads to control airborne dust		Being done regularly.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		The seasonal nallah flows through the lease near the lease boundary and plantation activity near it will maintain the aesthetic beauty. The degraded land can not be backfilled in the absence of Overburden .	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		AR for the year 2018-19 submitted MR submitted upto Dec 2019.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer- Sri B Narsimhulu Geologist- Sri S Patil.	As per submission	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	As on 31/3/2019 Covered under current (O/C) Workings 70.910 ha. Reclamation / Rehabilitation - 0.5 ha. Occupied by plant, buildings, residential, welfare buildings & roads- 3.250 ha.	The broad observations are as under: Covered under current (O/C) Workings 73.670 ha. Occupied by plant, buildings, residential, welfare buildings & roads- 3.232 ha Temporary storage for sizing of boulders- 1 ha.
9d	Scrutiny of Annual return on afforestation	3299 within ML and 300 outside ML	3599 saplings have been planted in 2018-19.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil reported	Nil Generated
9f	Scrutiny of Annual return on ROM stock and/or graded ore	908404 T	Same as production register.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	CoP 150.25 Rs PMT and Ex Mine Price is submitted as Rs 158.22 Rs PMT	Ex Mine price can never be more than CoP
9h	Scrutiny of Annual return on fixed assets	submitted	
9k	Scrutiny of Annual return on mining machineries	submitted	

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