

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

**Mining Plan inspection REPORT**

**Hyderabad regional office**

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

**Mine code :** 38APR07001

- (i) Name of the Inspecting : **M001** ) **S K MUDULI**  
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : **B. Narasimhulu(Manager), Mayur Porkarate(Geologist)**  
Official with  
Designation
- (iv) Date of Inspection : 03/08/2017
- (v) Prev.inspection date :

**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

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	22 Borehole in 2015-16	14 nos core bore holes drilled during 2016-17 for a total meterage of 486.50 m.	Violation pointed out on 11.08.2017 for not drilling balance 8 nos core bore holes for a total depth of 343.50m. On the basis of violation the lessee has drilled 12 nos of core bore holes for a total meterage of 400 m.
1b	Exploration over lease area for geological axis 1 or 2	120.94	116 Ha under G-1 and G-2 level explored.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-	Rs 9,22,197 (Including core bore hole drilling and sampling and analysis).	
1d	Balance area to be explored to bring Geological axis in 1 or 2	-	54.22 Ha explored under G-3 level of exploration which needs to be explored further.	
1e	Balance reserve as on 01/04/20	-	37 million tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	-	-	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Pit No. 01 North. N1841765-1842640, E44362054-44362400	Pit No., . 1 North The working broadly done as per proposal.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal	There is no waste generation and topsoil generation is also negligible.	
2c	Stripping ratio or ore to OB ratio	1:0	1:0	No OB generated

2d	Quantity of topsoil generation in m3	Nil	Nil
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 development is broadly done within the proposed area with 4 benches in ore with avg. height 7 meter.

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	one	
3b	Quantity of ROM mineral production proposed	3000040 tonnes	1011140 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No poposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Nil	
3f	Quantity of sub grade mineral generation.	No proposal	Nil	
3g	Grade of sub grade mineral generation	No proposal	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	

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3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	NA
3j	Provision of drilling and blasting in mineral benches	Deep hole drilling with 115 mm diameter drill machine and blasting using ANFO and booster in 80:20.	As per proposal given.
3k	Provision of mining machineries in mineral benches	Excavator tipper combination with capacity of 2.7 cum excavator & 25 tons tipper and dozer.	As per the proposal.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of the benches in mineral to be kept at 8 meter.	The development is done as per the proposal keeping bench height avg. 7 meter in mineral.
3m	Total area covered under excavation/pits	73.67 Ha	70.58 Ha
3n	Ore to OB ratio for the pit/mine during the year.	No Proposal	Nil OB generation
3o	Total area put in use under different heads at the end of year		73.83 Ha
3p	Production of ROM mineral during the last five year period as applicable	2012-13:3000000 MT,2013-14-no proposal,2014-15:1316805 MT,2015-16-3000020 tonnes,2016-17-3000040 tonnes	2012-13: 106535.83 TONNES, 2013-14: 555000 TONNES, 2014-15: 838825 TONNES, 2015-16: 975962 TONNES, 2016-17-1146406 TONNES

3q	General remarks of inspecting officers on method of mining etc.	The method of mining is by opencast method having avg. bench height of 7 meter and 4 benches in mineral is excavated for production.
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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)	NA	NA	
4b	Location of topsoil, OB and mineral reject dumps	NA	NA	
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	
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.	No Proposal	Not applicable	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	NA	
4j	Number of settling ponds	No Proposal	NA	
4k	Specific comments of inspecting officer on waste dump management		No waste generation obseved.	

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Solid Waste Management - Backfilling:

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Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	NA	NA	
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)	NA	NA	
5d	Total area fully reclaimed and rehabilitated	No Proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			There is no matured area observed for backfilling.

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	
6b	Area available for rehabilitation (ha) .	No Prposal	Nil	
6c	afforestation done (ha).	1.966	1.45	
6d	No. of saplings planted during the year	2950	300.Violation raised for not carrying out plantaion as proposed.	
6e	Cumulative no .of plants		planted 1785 from 2013-14 to end of 2016-17	
6f	Any other method of rehabilitation	NA	NA	
6g	Cost incurred on watch and care during the year	Rs. 1,11,325	Rs. 2,40,000	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NA	NA
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NA	NA
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NA	NA
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA

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## Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NA	1011140 tonnes	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	
7c	Different grade of mineral sorted out at mines.	NA	NA	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NA	There is no mineral beneficiation within lease and the ROM from mine directly feeded to crusher located out side the lease area for sizing required for plant.	

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	top soil generation is negligible.
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	Generation of overburden, waste rock, rejects and fines is nil as reported.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NA	500 nos sapling planted as on 03.08.2017 for the year 2017-18.
8g	Survival rate	80%	60%
8h	Water sprinkling on roads to control airborne dust	water tanker of 10 kl is proposed for water sprinkling arrangement for dust suppression.	Being carried out
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		No adverse impact observe due to mining activity on aesthetic beauty.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted within time	Submitted within time	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer-Shri Ram Laxman, Geologi st-ShriMayur B Pothakare, Mana ger-Shri Bapana Narshimhullu.	Mining Engineer-Shri Ram Laxman, Geologist-ShriMayur B Pothakare, Manager-Shri Bapana Narshimhullu.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pits-70.58 ha. Infrasture & roads-3.25 ha.		

9d	Scrutiny of Annual return on afforestation	300	300.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock-Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price-135.30 Rs, Production cost-144.46 Rs, Sale value nil as the limestone used for captive consumption	
9h	Scrutiny of Annual return on fixed assets	Value of fixed asset reported zero.	

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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
MCDR17	Rule 11(1)	14/08/2017			

**Date :**

**(S K MUDULI)**

Indian Bureau of Mines