

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

Review and updation of Mining Plan REPORT

Hyderabad regional office

Mine file No : AP/CDP/LST-25/HYD

Mine code : 38APR04017

- (i) Name of the Inspecting : **M015**) **MANISH K. MAINDIRATTA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 26/10/2017
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **NAWABPETA(407.05 HA)**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : **ANDHRA PRADESH**
District : **CUDDAPAH**
Village : **TALAMANCHIPATNAM**
Taluka : **JAMMALAMADUGU**
Post office : **CHINNAKOMERLA**
Pin Code : **516434**
FAX No. :
E-mail : **kr.karanam@dalmiacement.com**
Phone :
- (f) Police Station : **TALAMANCHIPATNAM**
- (g) First opening date : **24/07/2008**
- (h) Weekly day of rest : **SUN**
2. Address for : **GENERAL MANAGER(MINES),M/S DALMIA CEMENTS(BHARAT**
correspondance : **CHINNAKOMERLA POST, MYLAVARAM MANDAL**
KADAPA DISTRICT-516434.
3. (a) Lease Number : **APR2331**
- (b) Lease area : **407.05**
- (c) Period of lease : **30**
- (d) Date of Expiry : **23/06/2038**
4. Mineral worked : **LIMESTONE** Main

5. Name and Address of the

Lessee : M/S ESWAR CEMENTS PVT.LTD
 CHINNAKOMERALA(V) MYLAVARAM
 (M) KADAPA DT. CUDDAPAH
 ANDHRA PRADESH
 Phone:
 FAX :

Owner : T.VENKATESAN
 DALMIA CEMENT FAGUN MANSION
 FOURTH FLOOR EGMORE CHENNAI
 CITY TAMIL NADU
 Phone: 044-28276508
 FAX : 044-28276508

Agent : M.C.GAUTHAM
 DALMIA CEMENT(BHARAT)LTD.
 CHINNAKOMERLA KADAPA
 CUDDAPAH ANDHRA PRADESH
 Phone: 08560-272420
 FAX :

Mining Engineer

Name : A.SRIKANTH,Full Time
 Qualification : B.Tech,(MINING)
 Appointment/ : 16/06/2011
 Termination date

Mining Engineer

Name : k.karunakara Rao,Full Time
 Qualification : AMIE(MINING)
 Appointment/ : 01/05/2007 16/06/2011
 Termination date

6. Date of approval of Mining : Fresh under rule 22 MCR1960 27/11/2007
 Plan/Scheme of Mining : Mining Scheme rule 12 MCDR1988 12/09/2013

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	24	24	-
1b	Exploration over lease area for geological axis 1 or 2		The status of level of exploration is as under: G1- 345.26 hectare G2- 27.15 hectare G3 28.47 hectare G4- 6.17 hectare	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	M/s Natural Resources Development CO-Operative Society Ltd., 3-5-8886/4/A, 3rd Floor, Himayatnagar, Hyderabad - Expenditure Rs. 1141577.00	-	
1d	Balance area to be explored to bring Geological axis in 1 or 2		About 34.64 hectare is still under G3 and G4 level of exploration and about 27.15 ha. is to be explored under G1 level.	
1e	Balance reserve as on 01/04/20		18 million tonnes as on 1.4.2016 as per previous approved document. After exploration reserves have increased	
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	Northwest & Southwest	Northwest & Southwest	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	-	Being maintained as proposed	
2c	Stripping ratio or ore to OB ratio	1:0.14	1:0.33	

2d	Quantity of topsoil generation in m3	2016-17=80911 m3	2016-17=195183 m3	
2e	Quantity of overburden generation in m3	105376 m3 of OB clay	5855489 m3 of OB generated	top bench worked more to expose the operate 1st bench
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	1	1	
3b	Quantity of ROM mineral production proposed	2016-17 - 2362253 MT	2016-17 =2190000 MT	
3c	Recovery of sailable/usable mineral from ROM production	100%	No loss reported	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NA	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation		NA	
3h	Manual / Mechanised method adopted for segregating from ROM		The screen has been provided to separate clay from 1st bench	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.		NIL
3j	Provision of drilling and blasting in mineral benches	proposed	undertaken accordingly
3k	Provision of mining machineries in mineral benches	excavator - dumper combination proposed	Being done as proposed. 1 shovel, 2 back hoes, 150mm drill, dumpers-4 nos have been provided
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM		Yes
3m	Total area covered under excavation/pits	58.19 hectare till 2017-18	51 hectare
3n	Ore to OB ratio for the pit/mine during the year.	1:0.14	1:0.33
3o	Total area put in use under different heads at the end of year	120.49 hectare land area was proposed put to be used under different heads.	About 103 hectare land area is put to use under different heads.
3p	Production of ROM mineral during the last five year period as applicable	Year- (in tonne) 2012-13- 3820800 2013-14- 2361660 2014-15- 2360740 2015-16- 2363936 2016-17- 2362253	Year- (in tonnes) 2012-13- 1479025 2013-14-1818500 2014-15-1881500 2015-16- 1425000 2016-17- 2190000

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Yes
4b	Location of topsoil, OB and mineral reject dumps	South western side of the lease area.	South western side of the lease area.
4c	Number of dumps within lease area and outside of lease area	6 within lease area	6 within lease area
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	South west	South western corner
4e	Number of active and alive dumps.	-	2
4f	Number of dead dumps.	-	4
4g	Number of dumps established.	2	4
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Garland drains are formed.
4i	Length of Retaining wall or garland drain all along dumps	-	300m
4j	Number of settling ponds	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	-	Recommended for compound wall along the dump

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.	Nil	Nil	

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.	Nil	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	Yes	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	1	1,5	
6d	No. of saplings planted during the year	2000	2031	
6e	Cumulative no .of plants		75531	
6f	Any other method of rehabilitation	No	No	
6g	Cost incurred on watch and care during the year	2015-16 = 150000	2015-16 = 101550	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil		

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Nil	Nil
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire material will be blended and used in the process.	Entire material are blended and used in the process.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines.	No	Low grade ore of 10000 tonnes stacked for blending the same with high grade limestone.	
7d	Any beneficiation process at mines .	Mineral crushing plant is established with a capacity of 1000 tph for crushing the limestone to the size of - 75mm. Constructed screening plant for separation of clay and morrum from 1st bench mineral.		

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)		As per proposal top soil is being separateds separately and use dfor planatation purpose	

8b	Concurrent use or storage of topsoil		As proposed Topsoil utilized to stabilize the dumps and for afforestation.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)		Serparate dump is there for the purpose.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	-	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	-	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	-
8g	Survival rate	-	-
8h	Water sprinkling on roads to control airborne dust	Dust will be controller by stationary and mobile sprinklers	Permanent sprinklers have been fixed for 300 meters and the remaining haul road is wetted by 15 kl mobile water tanker.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		returns submitted upto September 2017 and Annual return f0r the year 2016-17 submitted	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Mining Engineer , geologist and Manager appointed
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Data furnished in the returns.
9d	Scrutiny of Annual return on afforestation		2080 saplings planted
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		No mineral reject generation reported
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM prod 2190000T reported, c/b 1 tonne	production as submitted
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		Ex mine price Rs 253.56 PMT
9h	Scrutiny of Annual return on fixed assets		No specific comment.
9k	Scrutiny of Annual return on mining machineries		reported as observed

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