

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

MCDR INSPECTION REPORT

Hyderabad regional office

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

Mine code : 38APR04017

- (i) Name of the Inspecting : **AP03**) **A.Prabhakar Rao**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : **SRI .BRAMAIAH MINES MANAGER,MANOJ GEOLOGIST**
Official with
Designation
- (iv) Date of Inspection : 14/02/2017
- (v) Prev.inspection date : 15/07/2016

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	Geological AXIS1(104 Bore holes)	Geological AXIS1(104 Bore holes)completed	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	24	24	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	NIL
1f	General remarks of inspecting officers on geology, exploration etc	NIL	NIL	NIL

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	North West&SouthWest	North West&SouthWest	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	-	-	NIL
2c	Stripping ratio or ore to OB ratio	1:0.14	1:0.33	NIL
2d	Quantity of topsoil generation in m3	330385 Cubic meters	66767 Cubic meters	nil
2e	Quantity of overburden generation in m3	NIL	200300 Cubic meters	NIL

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
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3a	Number of pit proposed for production	1	1	NIL
3b	Quantity of ROM mineral production proposed	2365000MT	1425000 MT	NIL
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	NIL
3d	Quantity of mineral reject generation	No proposals were made in the Approved SDheme of Mining	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL	NIL
3f	Quantity of sub grade mineral generation.	No proposals were made in the Approved SDheme of Mining	Earlier generated few Limestone patches 10,000 tonnes temporary stock will be blended with high Limestone	NIL
3g	Grade of sub grade mineral generation	No proposals were made in the Approved Scheme of Mining	Few limestone patches having sio2 content 23.0%	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised screening plant constructed for seperation of clay&morrum from 1st bench mineral	Mechanised screening plant constructed for seperation of clay&morrum from 1st bench mineral	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposals were made in the Approved Scheme of Mining	No sub greade mineral generated from the mines, low grade Limestone from the 1ST bench is being blended with high grade Limestone from 2ND and 3RD bench	NIL
3j	Provision of drilling and blasting in mineral benches	YES ,3benches	3 benches	NIL

3k	Provision of mining machineries in mineral benches	Heavy earth moving modern mining machinery(PC1250SHOVEL,HD-465 DUMPERS)	Heavy earth moving modern mining machinery(PC1250SHOVEL,H D-465 DUMPERS)	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	O.B. Bench height=4.0meter s In Ore bench=9.0meter s	O.B. Bench height=4.0meters In Ore bench=9.0meters	NIL
3m	Total area covered under excavation/pits	Proposed at the end of 2017-18=58.19 hectares	51.0hectars	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.14	1:0.33	NIL
3o	Total area put in use under different heads at the end of year	PROPOSED AT THE END OF 2017-=120.49 HECTARS	103.20 Hectars	NIL
3p	Production of ROM mineral during the last five year period as applicable	1)2011-2012=2677500 tonnes, 2)2012-2013=3820800tonnes, 3)2013-2014=2361660 tonnes, 4)2014-2015=2360740 tonnes, 5)2015-2016=2363936 tonnes	1)2011-2012=1611200 tonnes, 2)2012-2013=1479025tonnes, 3)2013-2014=1818500 tonnes, 4)2014-2015=1881500 tonnes, 5)2015-2016=1425000 tonnes	NIL
3q	General remarks of inspecting officers on method of mining etc.	NIL	NIL	NIL

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	YES	YES	NIL

4b	Location of topsoil, OB and mineral reject dumps	South Western side of the M.L.area	South Western side of the M.L.area	NIL
4c	Number of dumps within lease area and outside of lease area	Six within the lease area	Six within the lease area	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	South west	South Western corner	NIL
4e	Number of active and alive dumps.	-	2	NIL
4f	Number of dead dumps.	-	4	NIL
4g	Number of dumps established.	2	4	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	YES	NO	NIL
4i	Length of Retaining wall or garland drain all along dumps	-	-	NIL
4j	Number of settling ponds	-	-	NIL
4k	Specific comments of inspecting officer on waste dump management	NIL	NIL	NIL

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 proposals were made in the Approved Scheme of Mining	NIL	NIL
5b	Area under backfilling of mined out area	No proposals were made in the Approved Scheme of Mining	NIL	NIL

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposals were made in the Approved Scheme of Mining	NIL	NIL
5d	Total area fully reclaimed and rehabilitated	No proposals were made in the Approved Scheme of Mining	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NIL	NIL	NIL

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).	YES	Copy enclosed	NIL
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL
6c	afforestation done (ha).	1.0Hectar	1.0 Hectar	NIL
6d	No. of saplings planted during the year	2000	2031	NIL
6e	Cumulative no .of plants	15825	75531	NIL
6f	Any other method of rehabilitation	NO	NO	NIL
6g	Cost incurred on watch and care during the year	RUPEES ONELAKH FIFTY THOUSANDS ONLY/RS 1,50000	RS 101550(Rupees ten lakh onethpusand and fivehundred and fifty only)	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposals were made in the Approved Scheme of Mining	NIL	NIL

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposals were made in the Approved Scheme of Mining	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposals were made in the Approved Scheme of Mining	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposals were made in the Approved Scheme of Mining	NIL	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposals were made in the Approved Scheme of Mining	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposals were made in the Approved Scheme of Mining	NIL	NIL
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposals were made in the Approved Scheme of Mining	NIL	NIL
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposals were made in the Approved Scheme of Mining	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	ENCLOSED	ENCLOSED	NIL

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NIL	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 marerialwill be blended and used in the process	Entire marerialwill be blended and used in the process	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechaniacal	NIL
7c	Different grade of mineral sorted out at mines.	NO	Low gradeore of 1000 tonnes stocked for blending with high grade Limestone	NIL
7d	Any beneficiation process at mines .	Mineral crushing plant is established with a capacity of1000tph for crushing the Limestone to the size of -75mm Screening plant constructed for seperation of Clay and morrum from 1st bench mineral	Mineral crushing plant is established with a capacity of1000tph for crushing the Limestone to the size of -75mm Screening plant constructed for seperation of Clay and morrum from 1st bench mineral	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NIL	NIL	NIL

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	2015-16=330385 Cubic meters	66767 Cubic meters	NIL
8b	Concurrent use or storage of topsoil	Top soilutilize to stabilize the dumps and for afforestation	Top soilutilize to stabilized the dumps and for afforestation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	YES	YES	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposals were made in the Approved Scheme of Mining	NIL	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Top soilutilize to stabilize the dumps and for afforestation	NIL	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Top soilutilize to stabilize the dumps and for afforestation	NIL	NIL
8g	Survival rate	-	70%	NIL
8h	Water sprinkling on roads to control airborne dust	Dust will be controlled by stationary and mobile sprinklers	Stationary sprinklers have beenfixed for 300meters and the remaining haulroads are wetted by water tankers	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NIL	NIL	NIL

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Monthly Returns upto February 2017, Annual Return for the financial year 2015-16 received from the lessee	Monthly Returns upto February 2017, Annual Return for the financial year 2015-16 received from the lessee	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mr S.Brahmaiah Manager ,sri N.Guru pratap Reddy,Sri G.Venkateswarlu Mining Engineer incharge	Mr S.Brahmaiah Manager ,sri N.Guru pratap Reddy,Sri G.Venkateswarlu Mining Engineer incharge	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under open cast mining operations 51.00 Hectars, Used for waste disposal 26.00Hectars, Occupied by plan, building residential & welfare buildings and roads 5.00hectars	Covered under open cast mining operations 51.00 Hectars, Used for waste disposal 26.00Hectars, Occupied by plan, building residential & welfare buildings and roads 5.00hectars	NIL
9d	Scrutiny of Annual return on afforestation	2031 Plants plantattion was was taken up within the lease area survival rate is 90 %	2031 Plants plantattion was was taken up within the lease area survival rate is 90 %	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Entire ROM used for cement manufacturing Cao= 45.16% Mgo = 1.25% Sio2= 13.49%	Entire ROM used for cement manufacturing Cao= 45.16% Mgo = 1.25% Sio2= 13.49%	NIL

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value=RS 0 EX MINE PRICE = RS=0 Cost of production=RS154.86	Sale value=RS 0 EX MINE PRICE = RS=0 Cost of production=RS154.86	CAPTIVE CONSUMPTION
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets (in ?) 607858260 (in respect of the mine, beneficiation plant, mine work-shop, power and water installation) In case this information is furnished as combined information in another mine's return please specify mine Code/mine Name Mine Name Code Name --	Value of Fixed Assets (in ?) 607858260 (in respect of the mine, beneficiation plant, mine work-shop, power and water installation) In case this information is furnished as combined information in another mine's return please specify mine Code/mine Name Mine Name Code Mineral Name --	NIL
9k	Scrutiny of Annual return on mining machineries	Yes submitted	Machineries observed in the field are as submitted in A.R	

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 :

(A.Prabhakar Rao)

Indian Bureau of Mines