

**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 : S11) SHAILENDRA KUMAR
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 26/10/2018
- (v) Prev.inspection date : 14/02/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : NAWABPETA(407.05 HA)
- (b) **Registration NO.** : IBM/929/2011
- (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 : K.KARUNAKARARAO@DALMIACEMEI
- Phone : 04329235111
- (f) **Police Station** : TALAMANCHIPATNAM
- (g) **First opening date** : 24/07/2008
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : GENERAL MANAGER(MINES),M/S DALMIA CEMENTS(BHARAT
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 : K.KARUNAKARRAO
 Dalmia(B)limited,chinnakomm
 erla(v) Mylavaram(M)kadapa
 dist ANDHRAPRADESH CUDDAPAH
 ANDHRA PRADESH
 Phone: (8560)272431,272434,
 FAX : (8560)272420,27

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
		MP review under 17(1) MCR 2016	23/01/2018

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	There is no proposal for exploration during 2017-18.	No exploration was carried during 2017-18	None
1b	Exploration over lease area for geological axis 1 or 2	There is no proposal for exploration during 2017-18	No exploration was carried out during 2017-18. However, 104 Core boreholes have been drilled till date covering 400.88 ha under G1 scale of exploration. Another 6.17 ha needs to be upgraded to G1 from G4 scale of exploration.	None
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal during 2017-18. However, it was proposed to cover 6.17 ha under G4 to G1 during 2018-19.	During current year i.e. 2018-19 drilling is under progress for upgrading the scale of exploration from G4 to G1.	None
1e	Balance reserve as on 01/04/20	90.81 Million tonnes	90.81 Million tonnes	None
1f	General remarks of inspecting officers on geology, exploration etc	Nil	Nil	None

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	It was proposed to work in North West and South West part of lease during 2017-18	During the inspection it was observed that working is being done as per proposed area.	None

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	It is proposed to have separate benches for topsoil and OB.	Separate benches for topsoil and OB were made in the mine.	None
2c	Stripping ratio or ore to OB ratio	1:0.03	1:0.08	None
2d	Quantity of topsoil generation in m3	26266 Cu.M	76125 Cu.M	None
2e	Quantity of overburden generation in m3	65666 Cu.M	228375 Cu.M	None
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Nil	Nil	None

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One Pit	One Pit	None
3b	Quantity of ROM mineral production proposed	2.36 Million tonnes	2.45 Million tonnes	None
3c	Recovery of sailable/usable mineral from ROM production	Total limestone is utilised in the captive cement plant of Lessee	Total limestone is utilised in the captive cement plant of Lessee	
3d	Quantity of mineral reject generation	Nil	Nil	None
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	None
3f	Quantity of sub grade mineral generation.	Nil	Nil	None
3g	Grade of sub grade mineral generation	None	None	None

3h	Manual / Mechanised method adopted for segregating from ROM	--	A screening plant for seperation of clay and morrum from 1st bench material.	None
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	None
3j	Provision of drilling and blasting in mineral benches	Proposals were made for carrying out drilling and blasting in the mineral benches	Provision has been made for carrying out drilling and blasting in the mineral benches.	None
3k	Provision of mining machineries in mineral benches	Proposals were made for carrying out mining operations by deploying HEMM.	Provision has been made for carrying out mining operations by deploying HEMM.	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	proposals are made maintaining suitable height in OB and mineral	A bench height of 4 meters for OB and 9 meters for mineral are being maintained.	None
3m	Total area covered under excavation/pits	58.19 ha	57 ha	None
3n	Ore to OB ratio for the pit/mine during the year.	1:0.03	1:0.08	None
3o	Total area put in use under different heads at the end of year	120.49 ha	103.2 ha	None
3p	Production of ROM mineral during the last five year period as applicable	2013-14-2.36 Million tonnes 2014-15-2.36 Million tonnes 2015-16-2.36 Million tonnes 2016-17-2.36 Million tonnes 2017-18-2.36 Million tonnes	2013-14-1.81 million tonnes 2014-15-1.88 million tonnes 2015-16-1.42 million tonnes 2016-17-2.19 million tonnes 2017-18-2.45 million tonnes	None

3q	General remarks of inspecting officers on method of mining etc.	Nil	Nil	Nil
----	---	-----	-----	-----

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposals have been made for dumping seperately for topsoil and overburden	Seperate Topsoil and OB dump were noticed during the inspection.	None
4b	Location of topsoil, OB and mineral reject dumps	South Western part of the lease.	South Western part of lease.	None
4c	Number of dumps within lease area and outside of lease area	06	06	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	South Western part of lease.	South Western part of lease.	None
4e	Number of active and alive dumps.	02	02	None
4f	Number of dead dumps.	It was proposed to establish 04 dead dumps.	04 dead dumps were established.	None
4g	Number of dumps established.	04	04	None
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes	None
4i	Length of Retaining wall or garland drain all along dumps	300 meters	300 meters	None
4j	Number of settling ponds	None	None	None
4k	Specific comments of inspecting officer on waste dump management	None	None	None

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	None
5b	Area under backfilling of mined out area	Nil	None	None
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	None
5d	Total area fully reclaimed and rehabilitated	None	None	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Nil	Nil	None

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).	It is proposed to submit annual report under rule 26(2) of MCDR,2017	The annual report submitted under rule 26(2) of MCDR,2017	None
6b	Area available for rehabilitation (ha) .	Nil	Nil	None
6c	afforestation done (ha).	It is proposed plant 2000 saplings duirng 2017-18	During the year 2017-18 3072 saplings were planted.	None
6d	No. of saplings planted during the year	2000	3072	None
6e	Cumulative no .of plants	15825	80625	None
6f	Any other method of rehabilitation	Nil	Nil	Nil

6g	Cost incurred on watch and care during the year	1,50,000/-	3,33,432/-	None
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Nil	Nil

6p	Compliance of environmental monitoring (core zone and buffer zone)	It is proposed to carry out quarterly monitoring of environment parameters in both core and buffer.	It was noticed that quarterly monitoring of environmental parameters are being carried out regularly in both core and buffer zones. The parameters are within the permissible limits.	None
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Nil	Nil	Nil

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	2.36 Million tonnes	2.45 Million tonnes	None
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	None	None	None
7c	Different grade of mineral sorted out at mines.	None	None	None
7d	Any beneficiation process at mines	None	None	None
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	None	None	None

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

8a	Separate removal and utilization of topsoil (Rule 32)	26266 Cu.M	76125 Cu.M	None
8b	Concurrent use or storage of topsoil	It is proposed to utilise the topsoil generated for stacking and for plantation.	It was noticed that topsoil generated is being utilised for plantation and rest being stacked.	None
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	The OB produced is proposed to be dumped.	The OB generated is being dumped in South West part of lease.	None
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	None
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None	None	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	It is proposed to plant 2000 saplings during 2017-18	Planted 3072 saplings during 2017-18	None
8g	Survival rate	80%	75%	Nil
8h	Water sprinkling on roads to control airborne dust	It is proposed to control dust emission by using water sprinklers	It was observed that water sprinklers are being used for dust suppression.	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Nil	Nil	None

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	It is proposed to submit all the Statutory returns in times	The Monthly and Annual returns are being submitted by lessee in time.	None
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	--	Sri Karunakar Rao is Mining Engineer Sri Guru Pratap Reddy is the Geologist	None
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	--	The Mine workings cover 57 ha Waste dump 27.9 ha Roads/Plants/Buildings 10 ha	None
9d	Scrutiny of Annual return on afforestation	It is proposed to plant 2000 saplings.	In Annual return, it was reported that 3072 saplings were planted.	None
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	The proposed production is 2.36 million tonnes	The Actual production reported is 2.45 million tonnes	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	--	The ex-mine price reported as per annual return 2017-18 was Rs.254.91 per tonne.	None
9h	Scrutiny of Annual return on fixed assets	The value of fixed assets as per annual return is Rs. 732168511/-	The scrutiny of fixed assets not carried out.	None
9k	Scrutiny of Annual return on mining machineries	1/Rock drill - 1 2. shovel - 1 3. Back hoe - 2 4. dumper - 4 5. dozer - 1 6. motor grader - 1 7 water tanker - 1 8. crusher - 1	The above mentioned machinery observed duiring the inspection.	None

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed		Show couse position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date :

(**SHAIENDRA KUMAR**)

Indian Bureau of Mines