

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

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/GNR/LST-48/HYD

Mine code : 38APR07054

- (i) Name of the Inspecting : 25) SHRI IBRAHIM SARIF
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : P Shiv Kumar Nominated Owner
Official with
Designation
- (iv) Date of Inspection : 02-FEB-20
- (v) Prev.inspection date : 15-JUL-18

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : KRISHNA LIMESTONE MINE (57)
- (b) **Registration NO.** : IBM/5580/2011
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : ANDHRA PRADESH
- District : GUNTUR
- Village : TANGEDA
- Taluka : DACHEPALLE
- Post office : TANGEDA
- Pin Code : 522414
- FAX No. : 08649273819
- E-mail : mines.bhavyacements@gmail.c
- Phone : 9491066936
- (f) Police Station : Dachepalli
- (g) First opening date : 02-APR-12
- (h) Weekly day of rest : SUN
2. Address for : M/s. Bhavya Cements Limited,
correspondance Tangeda (Village), Dachepalli (Mandal)
Guntur district, AP-522414
3. (a) Lease Number : APR3189
- (b) Lease area : 57.19
- (c) Period of lease : 30
- (d) Date of Expiry : 28-APR-40
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : M/S BHAVYA CEMENTS LTD
A-1,2ND FLOOR, BHAVYA'S
SPOORTHY BHAVAN JUBILEE
HILLS HYDERABAD TELANGANA
Phone:040-23558384
FAX :040-23558393

Owner : P.SIVA KUMAR
PLOT.NO.A,2ND
FLOOR,BHAVYA'S SPOORTHY
BHAVAN,FILM NAGAR, JUBILEE
HILLS HYDERABAD TELANGANA
Phone: 040-23558384
FAX : 040-23558393

Agent : Sri.A.Amrutha Raju
Tangeda (V), Dachehalli(M)
Guntur dt. GUNTUR ANDHRA
PRADESH
Phone:
FAX :

Mining Engineer

Name : B.JAGDEESH KUMAR,Full Time
Qualification : AMIE
Appointment/ : 01-FEB-17
Termination date

Manager

Name : P.SURESHBABU
Qualification : DIPLOMA IN MINING
Appointment/ : 30-SEP-16
Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Fresh under rule 22 MCR1960 23-FEB-10
MP modif under 17(3) MCR 2016 03-NOV-16

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Back log	Nil	
1b	Exploration over lease area for geological axis 1 or 2	2.19 Ha	2.19 Ha	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee	M/s Mapp Drilling & Eploration Pvt. Ltd. M/s NRDCS, Hyderabad 500 029, Csst incurred for exploration as reported by Lessee is approximately Rs. 18,74,312/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20	17.687	17.676	
1f	General remarks of inspecting officers on geology, exploration etc		Entire Mineralised area has been explored under G1 scale by 29 no. of bore holes in 190m x 190 m grid interval with 1160 meterage.	

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N 1840550 to N 1840800 E 373150 to E373300	N Mining operations are being carried out within proposals	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not Applicable	Not Applicable	
2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2d	Quantity of topsoil generation in m3	1186 cum	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 deposit in the lease is simple deposit of Stratiform, Stratabound of Regular habit. The area is of flat topography with maximum elevation of 93 m above MSL.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	26,939	10,190	2018-19
3c	Recovery of sailable/usable mineral from ROM production	100%.	100%, Entire ROM is being used in cement plant	
3d	Quantity of mineral reject generation	Nil	Not Applicable.	
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable.	Not Applicable.	
3f	Quantity of sub grade mineral generation.	Nil	Not Applicable.	
3g	Grade of sub grade mineral generation	Not Applicable.	Not Applicable.	
3h	Manual / Mechanised method adopted for segregating from ROM	Not Applicable.	Not Applicable. No segregation of ROM is required	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposals	Not Applicable.	

3j	Provision of drilling and blasting in mineral benches	Deep hole drilling and blasting	Mining operations are being carried out by Deep hole drilling (115 mm dia Drill) by maintaining Burden of 3 meters and spacing of 4 meters. Blasting is being carried out using Slurry explosives with delay detonators by maintaining PF of 6T/Kg
3k	Provision of mining machineries in mineral benches	Excavator- 0.9 cum- 1 no., Tippers- 17T-2 nho., Drilling Machine-1 no. Water tanker-1 No,	The machineries proposed are being used in the mines
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height of 5 m is suitable for the rated capacity of the mine	Yes, suitable
3m	Total area covered under excavation/pits	0.5 ha	0.376 ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.0.98	Nil
3o	Total area put in use under different heads at the end of year	2.5 ha	2.479 ha
3p	Production of ROM mineral during the last five year period as applicable	2016-17 - 25,504 MT 2017-18 - 26,909 MT 2018-19 - 26,939 MT 2019-20 - 26,590 MT 2018-19 - 26939	2016-17 - 7,350 MT 2017-18 - 10,300 MT 2018-19 - 10,190 MT 2019-20 - 10,125 MT
3q	General remarks of inspecting officers on method of mining etc.		Fully mechanised method using HEMM with Deep hole drilling & Blasting is being adopted by maintaining bench height of 5 meters and width more than height. Only small pit is developed by the lessee so far.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal	Nil	
4b	Location of topsoil, OB and mineral reject dumps	No proposal	Nil	
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)	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 Applicablen	Not Applicable	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not Applicable	Not nApplicable	
4i	Length of Retaining wall or garland drain all along dumps	Not Applicable	Not Applicable	
4j	Number of settling ponds	Not applicable	Nil	
4k	Specific comments of inspecting officer on waste dump management		No waste generation Hence there no waste dumps	

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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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)	There is proposal for generation of top soil and to be used for plantation	No top soil generated
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.		No area is matured for backfilling, hence there is no reclamation

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).	To be submitted	Submitted for the year 2018-19	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6d	No. of saplings planted during the year	80	130	
6e	Cumulative no .of plants	320	420	
6f	Any other method of rehabilitation	No proposal	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring is to be done	Environment monitoring is being done regularly	

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Lessee is planting the sapplings to improve the aesthetic beauty
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No grade wise sorting, Entire ROM is to used in cement plant	No grade wise sorting, Entire ROM quantity being using in cement plant for captive consumption.	
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		Entire ROM is being utilised in cement Plant	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Using bed for the plantation with in 7.5 mtrs barrier along the lease boundary	No Top soil is generated during the year	
8b	Concurrent use or storage of topsoil	For Plantation	No usage, as no top soil generated	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Not applicable
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Not Applicable
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Not Applicable
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No of plants 80 Area 0.15 ha	No of plants 130, Area 0.25 ha
8g	Survival rate	80%	80%
8h	Water sprinkling on roads to control airborne dust	5 KL water tanker used for sprinkling of water on transportation of haul roads, dry fag system on crusher and blasting muck file wetting.	5 KL water tanker used for sprinkling of water on transportation of haul roads, dry fag system on crusher and blasting muck file wetting.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Plantation is being carried out by the lessee to improve the aesthetic beauty in and around lease area

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	As per Rule 45	All Returns submitted within time.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	B Jagadeesh, BE mining.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit - 0.049 Ha Roads and Buildings - 0.802 ha and green belt development 0.802 ha.	Found same as furnished
9d	Scrutiny of Annual return on afforestation	No of plants - 130 area 0.25 ha	No of plants - 130 area 0.25 ha
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	1840 MT	1840 MT
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs. 190/-	Rs. 190/-
9h	Scrutiny of Annual return on fixed assets	As mentioned in mine.	As mentioned in mine.
9k	Scrutiny of Annual return on mining machineries	Excavators- 0.9 Cum, Tippers- 17 T, Drilling machine- 115 mm dia drill bit.	MACHINERIES mentioned in returns are found to be used by lessee

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 :**(SHRI IBRAHIM SARIF)**

Indian Bureau of Mines