

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/GNR/LST-61/HYD

Mine code : 38APR07052

- (i) Name of the Inspecting : **DP09**) **D.P.Ravi kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Shri J.Ramakrishna , Mine manager and Shri P.Suresh B
Official with
Designation
- (iv) Date of Inspection : 28/08/2024
- (v) Prev.inspection date : 07/02/2019

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **TANGEDU(346.32 HA)**
- (b) **Registration NO.** : **IBM/5580/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : ANDHRA PRADESH
District : GUNTUR
Village : TANGEDA
Taluka : DACHEPALLI
Post office : TANGEDA
Pin Code : 522414
FAX No. : 08649-273819
E-mail : bhavyacementworks@gmail.com
Phone : 08649-273900
- (f) Police Station : DACHEPALLY
- (g) First opening date : 01/10/2010
- (h) Weekly day of rest : SUN
2. Address for : M/S BHAYA CEMENTS LTD,
correspondance : TANGEDA VILLAGE,
DACHEPALLY MANDAL
3. (a) Lease Number : APR3190
- (b) Lease area : 346.32
- (c) Period of lease : 30
- (d) Date of Expiry : 28/04/2040
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : M/S. BHAVYA CEMENTS LTD
 GUNTUR ANDHRA PRADESH
 Phone:
 FAX :

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), Dachepalli(M)
 Guntur dt. GUNTUR ANDHRA
 PRADESH
 Phone:
 FAX :

Mining Engineer

Name : K HARSHATH, Full Time
 Qualification : B TECH MINING
 Appointment/ :
 Termination date

Geologist

Name : B MAHESWARA, Full Time
 Qualification :
 Appointment/ :
 Termination date

6. Date of approval of Mining : Fresh under rule 22 MCR1960 23/02/2010
 Plan/Scheme of Mining : MP modif under 17(3) MCR 2016 31/08/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	The entire potentially mineralised area is covered under G1 level of exploration.	None
1b	Exploration over lease area for geological axis 1 or 2	Nil	None	None
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	None	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	The entire potentially mineralised area is covered under G1 level of exploration.	The entire potentially mineralised area is covered under G1 level of exploration.
1e	Balance reserve as on 01/04/20	---	Reserves as on 01.04.2024=203424960 Tons	None
1f	General remarks of inspecting officers on geology, exploration etc		A total of 95 boreholes were made since opening of the mine with a grid interval of 190 x190 meters. The maximum depth was 40 meters. The total meterage was 4050 meters. The entire ML area comprises of two major litho-nits viz. white&grey limestone. the rocks are dipping at 6 to 12 degree towards SE. Grey limestone occupying major part of ML area. the geological formation range in age form achaeon to recenet. the area forms a part of the precambrian shield of the indian peninsula	None

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It was proposed to develop pit on north and east side of the lease.	Same was noticed during the inspection.	No devoation.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	top soil is proposed to be removed by scrapping and No OB generation is envisaged. benches in mineral are proposed.top soil is proposed to be removed by scrapping and No OB generation is envisaged. benches in mineral are proposed.	top soil is scrapped separately benches in mineral are maintained.	Nil
2c	Stripping ratio or ore to OB ratio	No proposal.	Nil	No OB generatin is envisaged.
2d	Quantity of topsoil generation in m3	8820 cum	8937 cum	None
2e	Quantity of overburden generation in m3	No proposal.	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Development is carried out by opencast mining method as proposed.	Development is carried out by opencast mining method as proposed.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one pit	one pit	No deviation.

3b	Quantity of ROM mineral production proposed	14,74,460 tons	7,69,260 tons	Nil
3c	Recovery of sailable/usable mineral from ROM production	Nil	Nil	None
3d	Quantity of mineral reject generation	No proposal.	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Nil	Nil
3f	Quantity of sub grade mineral generation.	No proposal.	Nil	Nil
3g	Grade of sub grade mineral generation	Not applicaable.	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised.	Mechanised.	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	Drilling and blasting is proposed.	Drilling & blasting is carried out.	No deviation.
3k	Provision of mining machineries in mineral benches	It was proposed to use Back hoe and tippers for excavating the mineral and transporting the same.	same was noticed duirng the inspection.	Nil

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed to maintain a height of 8 meters	Same was observed during the inspection. Same was observed during the inspection.	No deviation.
3m	Total area covered under excavation/pits	39.692 ha at the end of plan period i.e. year 2024-25.	32.910 Ha (Till 31.03.2024)	Nil
3n	Ore to OB ratio for the pit/mine during the year.	No proposal.	Nil	Nil
3o	Total area put in use under different heads at the end of year	50.55 Ha	45.38 Ha	None
3p	Production of ROM mineral during the last five year period as applicable	2019-20 = 3767920 t 2020-21 = 1471960 t 2021-22 = 1473420 t 2022-23 = 1474520 t 2023-24 = 1474460 t	2019-20 = 1114690 t 2020-21 = 1188625 t 2021-22 = 1124520 t 2022-23 = 761470 t 2023-24 = 769260 t	Nil
3q	General remarks of inspecting officers on method of mining etc.			production is carried out from one pit by opencast mining method as proposed.

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)	There is no waste or OB. The topsoil generated is proposed to be utilised for plantation purpose.	Nil	production is carried out from one pit by opencast mining method as proposed.
4b	Location of topsoil, OB and mineral reject dumps	Proposed to be utilised for top soil		Nil
4c	Number of dumps within lease area and outside of lease area	No proposal.	Nil	However one old dump was located within ML area and safety zone.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Nil	Nil
4e	Number of active and alive dumps.	No proposal	Nil	Nil
4f	Number of dead dumps.	No proposal	Nil	Nil
4g	Number of dumps established.	No proposal.	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal.	Nil	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Nil	Nil
4j	Number of settling ponds	No proposal.	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management			No OB/waste generation is envisaged.

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.	There is no proposal for reclamation during the year 2023-24.	No area mature for reclamation purpose during the year 2023-24.	No deviation.
5b	Area under backfilling of mined out area	No Proposal.	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	It was proposed to utilise the topsoil generated for plantation purpose.	Same was noticed during the inspection.	Nil
5d	Total area fully reclaimed and rehabilitated	No Proposal.	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No area matured for reclamation purpose during the year 2023-24.

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	No deviation.
6b	Area available for rehabilitation (ha) .	No Proposal.	Nil	None
6c	afforestation done (ha).	0.18 ha.	0.245	Nil
6d	No. of saplings planted during the year	400 no. of saplings	425 no. of saplings	Nil
6e	Cumulative no .of plants	----	9751 nos. of saplings	None

6f	Any other method of rehabilitation	No proposal.	Nil	Nil
6g	Cost incurred on watch and care during the year	No proposal.	Nil	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal.	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal.	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal.	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal.	Nil	Nil

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal.	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal.	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed to carry out quarterly monitoring of the environmental parameters.	Regular quarterly monitoring of environmental parameters being carried out and the all the parameters are within permissible limits.	No deviation.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		The lessee is implementing all the proposals as made in the approved document related to Progressive Mine closure.	The lessee is implementing all the proposals as made in the approved document related to Progressive Mine closure.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was proposed that entire mineral produced would be utilised in the cement plant of the lessee.	Same was noticed durning the inspection.	No deviation noticed.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	There is no proposal for grade-wise sorting(Mechanised)	No such grade wise sorting was noticed.	Nil

7c	Different grade of mineral sorted out at mines.	cement grade limestone.	cement grade limestone.	Nil
7d	Any beneficiation process at mines .	There is no proposal for any beneficiation at mines.	No beneficiation practice was noticed at the mines.	No deviation noticed.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Entire ROM (limestone) of cement grade is used at captive plant. Further, there was no proposal for grade wise sorting or any other type of beneficiation at mines.	No such activities noticed during the inspection.	Entire ROM (limestone) of cement grade is used at captive plant. Further, there was no proposal for grade wise sorting or any other type of beneficiation at mines. No deviation is noticed.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	It was proposed to utilise the topsoil generate for plantation purpose.	The same was noticed during the inspetion.	No comments.
8b	Concurrent use or storage of topsoil	It was proposed to utilise the topsoil generate for plantation purpose.	The same was noticed during the inspetion.	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal.	Nil	Nil

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal.	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal.	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No.of plant =400 Area =0.18 Ha.	No.of plants = 425 Area =0.245 Ha.	No comments.
8g	Survival rate	80%	80%	No comments.
8h	Water sprinkling on roads to control airborne dust	It was proposed to control dust suppression by way of water sprinkling.	Same was noticed during the inspection.	No deviation.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Lessee is implementing all the measures related to maintaining environmental balance.	The over all aesthetic beauty can be rated as above average.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and annual returns are to be submitted as per rule 45 of MCDR, 2017.	Monthly and Annual returns being submitted within the timelines.	Nil

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the Annual return 2023-24, Shri P.Suresh Babu, Mining Engineer, Shri B.Divesh, Geologist and Shri J.Ramakrishna, Mines manager.	Same was confirmed duirng the inspection.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	As per the annual return 2023-24, the Pit-32.910 ha., dump - 1.14 Roads, buildings etc.. 11.330 Ha. Etc	The same was confirmed duirng the inspection.	Nil
9d	Scrutiny of Annual return on afforestation	No. of plants = 425 Area =0.245 ha.	Same was noticed duirng the inspection.	No comments.
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	50,470 Tons	Same was noticed duirng the inspection.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The Ex-mine price was reported as Rs.205.90 per tonnes	The same was confirmed duirng the inspection.	No comments to offer.
9h	Scrutiny of Annual return on fixed assets	The fixed assets value reported as per 2023-24 annual return was Rs.196333361	The same was not scrutinised.	No comments.

9k	Scrutiny of Annual return on mining machineries	The details of Mining machineries reported in the annual return 2023-24 are as follows: 1) Shovel=02 nos. 2) Tipper=8nos. 3) Air compressure=1 no. 4) Rock drill -1 no. 5) Dozer=1 no. 6) Explosive van=1no. 7) water tanker =1no. 8) Road roller =1 no.	Same were confirmed duirng the inspection.	No comments.
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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

Date :

(D.P.Ravi kumar)

Indian Bureau of Mines