

I/10515/2023

MCDR inspection REPORT

Hyderabad regional office

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

Mine code : 38APR07054

- (i) Name of the Inspecting : **RAM**) **RAMKISHAN R**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Shri T Konda Reddy, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 11-MAY-23
- (v) Prev.inspection date : 21-SEP-22

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 : 50
- (d) Date of Expiry : 28-APR-60
4. Mineral worked : LIMESTONE Main

I/10515/2023

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 : K Harshath,Full Time
 Qualification : B.Tech (Mining)
 Appointment/ : 01-MAR-23
 Termination date

Geologist

Name : Md Masthan Pasha,Full Time
 Qualification : M.Sc. (Geology)
 Appointment/ : 07-JUN-19
 Termination date

Manager

Name : T Konda Reddy
 Qualification : Diploma (Mining)
 Appointment/ : 01-APR-21
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	23-FEB-10
Plan/Scheme of Mining		MP modif under 17(3) MCR 2016	03-NOV-16
		MP review under 17(1) MCR 2016	24-JUL-20

I/10515/2023

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No such specific proposal.	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal.	Nil	Entire mineralised area has been explored under G1 level. However advised the lessee to drill some boreholes depthwise to know the mineralisation depth at some places in ML area.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal.	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	Nil	Entire mineralised area has been explored under G1 level. However advised the lessee to drill some boreholes depthwise to know the mineralisation depth at some places in ML area.
1e	Balance reserve as on 01/04/20	As per the approved document dated 24.07.2020, the Limestone reserves are 4.89 mil.t	due to depletion/addition over the period of time the updated reserves as on dated 01.04.2023 are limestone: 4.88 milt.t.	Cao - 33.91% to 50.95%

I/10515/2023

1f General remarks of inspecting officers on geology, exploration etc

the entire ML area comprises of two major litho-nits viz. white&grey limestone. the rocks are dipping at 5 to 11 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.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	between grid location N1842700-N1840500-N1840700&E313100-E373300	development carried out between the gird location as proposed.	
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 scrapped separately benches in mineral are maintained.	
2c	Stripping ratio or ore to OB ratio	No proposal.	Nil	No OB generatin is envisaged.
2d	Quantity of topsoil generation in m3	300 cu.m. during the year 2022-23.	508 cu.m.	
2e	Quantity of overburden generation in m3	No Proposal.	Nil	

I/10515/2023

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.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one pit	one pit	
3b	Quantity of ROM mineral production proposed	8612 t during the year 2022-23.	5700 t	violation observed and communicated to lessee vide letter dated 17/05/2023.
3c	Recovery of sailable/usable mineral from ROM production	8612 t	5700 t	
3d	Quantity of mineral reject generation	No proposal.	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Nil	
3f	Quantity of sub grade mineral generation.	No proposal.	Nil	
3g	Grade of sub grade mineral generation	Not applicable.	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised.	Mechanised.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Nil	

I/10515/2023

3j	Provision of drilling and blasting in mineral benches	drilling and blasting is proposed.	drilling & blasting is carried out.	
3k	Provision of mining machineries in mineral benches	excavator and dumper combination is proposed for excavation.	excavator and dumper combination is for excavation.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	5 m	maintained.	
3m	Total area covered under excavation/pits	0.72 ha at the end of plan period i.e. 2024-25.	0.51 ha	
3n	Ore to OB ratio for the pit/mine during the year.	No proposal.	Nil	
3o	Total area put in use under different heads at the end of year	3.14 ha at the end of plan period i.e. 2024-25.	2.527 ha	
3p	Production of ROM mineral during the last five year period as applicable	2018-19: 26939 t. 2019-20: 26590 t. 2020-21: 8862 t. 2021-22: 8762 t. 2022-23: 8612 t.	2018-19: 10190 t. 2019-20: 10925 t. 2020-21: 2800 t. 2021-22: 7500 t. 2022-23: 5700 t.	due to less demand from captive cement plant.
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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I/10515/2023

4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	proposed for top soil, no OB generation is envisaged.	carried out.
4b	Location of topsoil, OB and mineral reject dumps	Proposed to be utilised for top soil.	
4c	Number of dumps within lease area and outside of lease area	No proposal.	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal.	Nil
4e	Number of active and alive dumps.	No proposal.	Nil
4f	Number of dead dumps.	No proposal.	Nil
4g	Number of dumps established.	No proposal.	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal.	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Nil
4j	Number of settling ponds	No proposal.	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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I/10515/2023

5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No Proposal.	Nil
5b	Area under backfilling of mined out area	No Proposal.	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No Proposal.	Nil
5d	Total area fully reclaimed and rehabilitated	No Proposal.	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Not envisaged, as area is not matured for 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).	PMCP report submitted before 1 st July.	to not submitted.	advised the lessee to submit before 1st July.
6b	Area available for rehabilitation (ha) .	No proposal.	Nil	
6c	afforestation done (ha).	0.03 ha during the year 2022-23.	0.075 ha	
6d	No. of saplings planted during the year	70 nos	110 nos	
6e	Cumulative no .of plants		855 nos	

I/10515/2023

6f	Any other method of rehabilitation	No proposal.	Nil
6g	Cost incurred on watch and care during the year	No proposal.	Not assessed.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	No proposal.	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal.	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal.	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal.	Nil

I/10515/2023

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal.	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal.	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Periodical Monitoring as stipulated in Environment Clearance granted by MoEF & CC and Consent to Operate granted by SPCB.	Periodical Monitoring as stipulated in Environment Clearance granted by MoEF & CC and Consent to Operate granted by SPCB is carried out.	parameters are within the limits.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		PMCP measures were carried out as proposed.	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	proposed.	carried out.	entire ROM (Limestone) of cement grade is used in the captive plant.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical.	mechanical.	
7c	Different grade of mineral sorted out at mines.	cement grade limestone.	cement grade limestone.	

I/10515/2023

7d	Any beneficiation process at mines .	No proposal.	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		entire ROM (limestone) of cement grade is used at captive plant.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	proposed.	carried out for top soil.	
8b	Concurrent use or storage of topsoil	Proposed.	carried out.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal.	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal.	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal.	Nil	

I/10515/2023

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	70 nos during the year 2022-23	110 nos
8g	Survival rate		95%
8h	Water sprinkling on roads to control airborne dust	water sprinkling on haul roads for dust suppression is proposed.	carried out.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		aesthetic beauty in and around the mines area is maintained.

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 returns submitted. annual return for the year 2022-23 is not yet submitted.	advised the lessee to submit before 1st July.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not submitted till the time of inspection date.	Not applicable.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not submitted till the time of inspection date.	Not applicable.	
9d	Scrutiny of Annual return on afforestation	Not submitted till the time of inspection date.	Not applicable.	

I/10515/2023

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not submitted till the time of inspection date.	Not applicable.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Not submitted till the time of inspection date.	Not applicable.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Not submitted till the time of inspection date.	Not applicable.
9h	Scrutiny of Annual return on fixed assets	Not submitted till the time of inspection date.	Not applicable.
9k	Scrutiny of Annual return on mining machineries	Not submitted till the time of inspection date.	Not applicable.

I/10515/2023

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
MCDR17	Rule 11(1)	17-MAY-23			

Date :**(RAMKISHAN R)**

Indian Bureau of Mines