

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

**MCDR inspection REPORT**

**Bangalore regional office**

**Mine file No :** KNT/GLB/LST/18/BNG

**Mine code :** 38KAR10008

- (i) Name of the Inspecting : **277** ) **GANGADHAR BHAKAT**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Sri Abdul Khadeer, Mining Engineer  
Official with  
Designation
- (iv) Date of Inspection : 15/02/2023
- (v) Prev.inspection date : 20/10/2021

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MALKHED**
- (b) **Registration NO.** : **IBM/12191/2012**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :  
State : KARNATAKA  
District : GULBARGA  
Village : MALKHED  
Taluka : SEDAM  
Post office : MALKHED ROAD  
Pin Code :  
FAX No. : Fax No.040-23404657  
E-mail : sbcplimited@gmail.com  
Phone : 9703219073 (M), 0406661463:
- (f) Police Station : MALKHED
- (g) First opening date : 31/12/1980
- (h) Weekly day of rest : SUN
2. Address for : SRI N UMASHANKAR, DIRECTOR,  
correspondance : M/s Sri Balaji Cement & Power Limired  
Kalaburagi District, Karnataka-585301
3. (a) Lease Number : KAR1528
- (b) Lease area : 64.73
- (c) Period of lease : 50
- (d) Date of Expiry : 01/08/2030
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : BALAJI CEMENT AND POWER LTD  
 GULBARGA KARNATAKA  
 Phone:040-66614633  
 FAX :

Owner : Sri VVSR ANJANEYULU, Nominated Owner,  
 House No. 5-5-81/12/B, Plot  
 No.6, Sai Baba Colony,  
 Behind Metro, Kukatpally,  
 Hyderabad HYDERABAD ANDHRA  
 PRADESH  
 Phone: 040-23404657  
 FAX : 040-666614633

Agent : K Bhanu Prakash Rao  
 GULBARGA KARNATAKA  
 Phone:  
 FAX :

Mining Engineer  
 Name : M Devanand,, Full Time  
 Qualification : BE IN MINING  
 Appointment/ : 16/11/2020  
 Termination date

Mining Engineer  
 Name : Mr. Abdul Khadeer, Full Time  
 Qualification : BE IN MINING  
 Appointment/ : 02/03/2015  
 Termination date

Geologist  
 Name : NVSPL RAVIKANTH, Full Time  
 Qualification : M.Sc GEOLOGY  
 Appointment/ : 02/03/2015  
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	02/08/1993
Plan/Scheme of Mining		Renewal under rule 24 MCR1960	04/08/2005
		Modif.of approved Mining Plan	04/02/2009
		Mining Scheme rule 12 MCDR1988	29/09/2015
		MP review under 17(1) MCR 2016	29/06/2020

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Proposed 01 Borehole upto 60m depth.	01 Borehole upto 11m depth.	Violation issued.
1b	Exploration over lease area for geological axis 1 or 2	Proposed 01 Borehole upto 60m depth.	01 Borehole upto 11m depth.	Violation issued.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	--	Synergy Geotech Pvt. Ltd.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	--	G3 - 48.852 Ha	Including pant area 7.517 Ha (unexplored).
1e	Balance reserve as on 01/04/20		13.241 MT (as on 01/04/2022)	The details of Mineral Reserves and Resources estimated at the end of the year have not furnished correctly at Part - V of annual return for the year 2021-22. Violation issued.
1f	General remarks of inspecting officers on geology, exploration etc			Only 11m each borehole has been carried out against the proposal of 1 no. of borehole with 60m each for the year 2020-21 & 2021-22. Violation has been pointed out under rule 11(1) of MCDR, 2017.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Proposed N1895020 to 1895283 E 729497 to 729849	Working is being carried out within the proposal.	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in mineral&OB proposed.	Maintained as per proposal.	
2c	Stripping ratio or ore to OB ratio	1:0.00 (in tons)	1:0.05(in tons)	Ore:155440 Tons OB: 9100 Tons
2d	Quantity of topsoil generation in m3	No proposal.	Nil.	No topsoil generated during the year 2021-22.
2e	Quantity of overburden generation in m3	No proposal.	NIL	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Working is being carried out along the section line AA' & B B' as per the proposal.

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#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit proposed.	One pit	
3b	Quantity of ROM mineral production proposed	14,50,000 Tons	1,55,440 Tons	90% Less production. Violation issued.
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No proposal.	Nil	No mineral reject generated.
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	NA	
3f	Quantity of sub grade mineral generation.	No proposal.	NIL	
3g	Grade of sub grade mineral generation	No proposal.	NIL	

3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized method proposed for segregating from ROM.	Mechanized method adopted for segregating from ROM.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	NA	
3j	Provision of drilling and blasting in mineral benches	Yes.	Carried out as per proposal.	
3k	Provision of mining machineries in mineral benches	Crusher-1No. Excavator- 1 No. Tipper- 4 Nos Drilling Machine- 1No.	Crusher-1No. Excavator- 1 No. Tipper- 4 Nos Drilling Machine- 1No.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height proposed 8m.	The height of benches in mineral maintained 8m maximum.	As per the proposal.
3m	Total area covered under excavation/pits	14.27 Ha.	11.421 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.00 (in ton)	1:0.05 (in ton)	Ore-5443 Tons
3o	Total area put in use under different heads at the end of year	Working- 14.27Ha Roads- 2.828Ha waste dump- 0.976 Ha Mineral storage- 1.55Ha Untouched area 36.213Ha	Working-11.421Ha waste dump- 0.954 Ha Roads- 0.225 Ha Occupied by plant, buildings, residential, welfare buildings & roads - 10.515 Ha Others - 2.754 Ha	

3p	Production of ROM mineral during the last five year period as applicable	2017-18 - 13,05,810	2017-18 - 1,57,853
		2018-19 - 12,99,870	2018-19 - 1,53,507
		2019-20 - 8,57,543	2019-20 - 1,68,055
		2020-21 - 13,58,092.5	2020-21 - 1,43,450
		2021-22 - 14,50,000	2021-22 - 1,55,440
		(In tons)	(In tons)

3q	General remarks of inspecting officers on method of mining etc.	Working carried out within the proposed location. Violation issued under rule 11(1) of MCDR, 2017 for 90% less production achieved during the year 2021-22.
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## 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	No proposal.	Nil.	No topsoil generated.
4c	Number of dumps within lease area and outside of lease area	NIL	2	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	2 Top soil dumps within safety zone.	2 Top soil dumps within safety zone.	
4e	Number of active and alive dumps.	0	2	
4f	Number of dead dumps.	NIL	NIL	
4g	Number of dumps established.	NIL	NIL	

4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal.	Garland drain made all along the dumps.	
4i	Length of Retaining wall or garland drain all along dumps	NA	NIL	
4j	Number of settling ponds	No proposal.	NA	
4k	Specific comments of inspecting officer on waste dump management			No specific comments.

#### 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 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		NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Mineral has not exhausted from the pit.

#### Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes.	Not submitted.	Violation issued.
6b	Area available for rehabilitation (ha) .	No proposal.	NIL	
6c	afforestation done (ha).	0.50	0.37	
6d	No. of saplings planted during the year	750 Nos.	750 Nos.	Information furnished by the mine management during inspection.
6e	Cumulative no .of plants	1500 Nos.	1500 Nos.	During this plan period.
6f	Any other method of rehabilitation	No proposal.	NIL	
6g	Cost incurred on watch and care during the year	NIL	NIL	Information furnished by the mine management during inspection.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx 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 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	
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)	Environmental monitoring proposed for Air, Water & Noise at core zone & buffer zone.	Nil.	Violation issued
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			However violation issued for non-submission of PMCP report for the year 2021-22.

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	14,50,000	1,55,440	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal.	Cement grade.	

7c	Different grade of mineral sorted out at mines.	No proposal.	NIL	
7d	Any beneficiation process at mines	No proposal.	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Beneficiation is not required and entire ROM produced is being utilized in cement plant.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No topsoil removal proposal during the year 2021-22.	NIL	
8b	Concurrent use or storage of topsoil	No proposal.	Nil.	No topsoil generated.
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	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	750 Nos.(WML)	750 Nos.(WML)	
8g	Survival rate	85%	75%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul road proposed.	Water sprinkling was carried out to control air born dust.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The aesthetic beauty in and around the mines area is good.

#### Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M. R. submitted up to January 2023  A.R submitted up to Year 2021-22		M.R. submitted on 10/02/2023(SCN issued) A.R submitted on 06/07/2022(SCN issued)
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	"Mines Manager: Abdul Khadir Geologist: Ravikanth.	Appears to be correct.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under Current (O/C) working: 11.421 ha. Infrastructure : 10.515 ha. waste disposal: 0.594 Ha	Appears to be correct.	As per AR FY 2021-22
9d	Scrutiny of Annual return on afforestation	WML: 750 Nos, survival rate: 75%	Appears to be correct.	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral reject generated.	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening Stock of ROM: 7710.27 Tons Closing Stock of ROM: 14413.8 Tons. ROM Production: Tons. 1,55,440 Tons. Grade wise production:- 1,55,440 Tons.	Appears to be correct.	As per AR-2021-22
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex. Mine price Rs. 172.32/- per ton Captive consumption production cost: Rs. 172.32/- per ton		DMF & NMET paid details have not been furnished. Violation issued
9h	Scrutiny of Annual return on fixed assets			
9k	Scrutiny of Annual return on mining machineries			

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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
MCDR17 Rule 11(1)	11/04/2023		MCDR17 Rule 45(7)	11/04/2023	
MCDR17 Rule 26(2)	11/04/2023		MCDR17 Rule 35(2)	11/04/2023	
MCDR17 Rule 33	11/04/2023				
MCDR17 Rule 34(1)	11/04/2023				
MCDR17 Rule 43	11/04/2023				
MCDR17 Rule 48	11/04/2023				
MCDR17 Rule 45(7)(a)	11/04/2023				
MCDR17 Rule 35(2)	11/04/2023				

**Date :**

**(GANGADHAR BHAKAT)**

Indian Bureau of Mines