

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

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/CDP/LST-22/HYD

Mine code : 38APR04015

- (i) Name of the Inspecting : S11) SHAILENDRA KUMAR
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sri K.Sudhakar, Mining Engineer
Official with
Designation
- (iv) Date of Inspection : 23/01/2023
- (v) Prev.inspection date : 14/09/2021

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : BHARTHI CEMENT
- (b) **Registration NO.** : IBM/861/2011
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : CUDDAPAH
- Village : Nallalingayapalli
- Taluka : Kamalapuram
- Post office : Nallalingayapalli
- Pin Code : 516289
- FAX No. : (0430009770)
- E-mail : SUDHAKAR.K@VICAT.COM
- Phone : (040)30006999
- (f) **Police Station** : KAMALAPURAM
- (g) **First opening date** : 02/02/2009
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : M/S BHARATHI CEMENT CORPORATION
8-2-626, RELIANCE MAJESTIC, ROAD NO.10
BANJARAHILLS, HYDERABAD - 500034
3. (a) **Lease Number** : APR2536
- (b) **Lease area** : 632.28
- (c) **Period of lease** : 30
- (d) **Date of Expiry** : 28/03/2036
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : Bharathi Cement Corporation Ltd
 Plot No.652, Road No.3,
 Banjara Hills, HYDERABAD
 HYDERABAD TELANGANA
 Phone:
 FAX :

Owner : J JAGANMOHAN REDDY
 8-2-626
 BANJARAHILLS, HYDERABAD
 HYDERABAD TELANGANA
 Phone:
 FAX :

Agent : SRI M.SAI RAMESH SR VICEPRESIDENT (WORKS)
 NALLALINGAYAPALLI (V) KAMALAP
 URAM(M) YSR(KADAPA) DIST
 ANDHRAPRADESH CUDDAPAH
 ANDHRA PRADESH
 Phone: (08563)200400,200411
 FAX : -

Mining Engineer

Name : k.sudhakar, Full Time
 Qualification : B Tech (Mining)
 Appointment/ :
 Termination date

Geologist

Name : Y.Prabhakara Reddy, Full Time
 Qualification : M.Sc Geology
 Appointment/ :
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Fresh under rule 22 MCR1960	23/03/2006
		Modif.of approved Mining Plan	22/01/2007
		FMCP under 23C(1)	04/07/2011
		Modif.of approved Mining Plan	29/07/2011
		Mining Scheme rule 12 MCDR1988	04/09/2013
		MP review under 17(1) MCR 2016	29/11/2017
		MP modif under 17(3) MCR 2016	28/05/2020
		MP review under 17(1) MCR 2016	11/08/2022

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 the year 2021-22	No exploration was carried out during the year 2021-22.	No remarks
1b	Exploration over lease area for geological axis 1 or 2	----	---	The entire area covered under G-1 level of exploration.
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	None	None
1e	Balance reserve as on 01/04/20	---	363 Million tonnes	No remarks
1f	General remarks of inspecting officers on geology, exploration etc	---	---	The entire lease area is under G-1 level of exploration.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It was proposed to develop on the Eastern and Western side of the lease.	Same was noticed during the inspection.	No deviation.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in Topsoil,Overburden and mineral were proposed.	Separate benches in Topsoil,Overburden and Mineral are noticed.	No deviation.
2c	Stripping ratio or ore to OB ratio	1:0.195	1:0.124	No deviation.
2d	Quantity of topsoil generation in m3	98,002 cubic meters	60026 cubic meters	No deviation

2e	Quantity of overburden generation in m3	2.92,717 cubic meters	1,26,246 cubic meters	No deviation.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	---	---	The overall development of the mine being as per the proposals made in the approved document.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	No deviation.
3b	Quantity of ROM mineral production proposed	5.00 Million tonnes	4.15 Million tonnes	No deviation.
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	No remarks
3d	Quantity of mineral reject generation	Nil	None	None
3e	Grade of mineral rejects generation and threshold value declared.	Nil	None	None
3f	Quantity of sub grade mineral generation.	Nil	None	None
3g	Grade of sub grade mineral generation	Nil	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	None	None	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	It was proposed to carry out drilling and blasting on mineral benches.	During the inspection it was noticed that drilling was carried out by 115 mm dia blast drill and using ANFO for blasting.	No remarks
3k	Provision of mining machineries in mineral benches	It was proposed to use HEMM for excavating and transporting the mineral from benches.	Same was noticed during the inspection.	No deviation.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	9 meters	9 meters	No deviation.
3m	Total area covered under excavation/pits	131.87 ha	118.90 ha as on 31.12.2022.	No remarks.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.195	1:0.124	No remarks
3o	Total area put in use under different heads at the end of year	189.90 ha	170.80 ha	No remarks
3p	Production of ROM mineral during the last five year period as applicable	2017-18 - 5.09 Million tonnes 2018-19 - 5.03 Million tonnes 2019-20 - 5.00 Million tonnes 2020-21 - 5.00 Million tonnes 2021-22 - 5.00 Million tonnes	2017-18 - 4.03 Million tonnes 2018-19 - 4.6 Million tonnes 2019-20 - 3.70 Million tonnes 2020-21 - 3.68 Million tonnes 2021-22 - 4.15 Million tonnes	No deviation.
3q	General remarks of inspecting officers on method of mining etc.	---	---	The over all development and production in the mine being carried out as proposed.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	It was proposed for utilisng the topsoil for plantation purposes.The Overburden removed is used for backfilling.	Same was noticed duirng the inspection.	No deviation.
4b	Location of topsoil, OB and mineral reject dumps	Small OB dump maintained on Southern side of the lease.	Same was noticed duirng the inspection.	No deviation.
4c	Number of dumps within lease area and outside of lease area	None	None	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	None	None	None
4e	Number of active and alive dumps.	None	None	None
4f	Number of dead dumps.	None	None	None
4g	Number of dumps established.	None	None	None
4h	Whether Retaining wall or garland drain all along dumps are there.	None	None	None
4i	Length of Retaining wall or garland drain all along dumps	None	None	None
4j	Number of settling ponds	Nil	None	None
4k	Specific comments of inspecting officer on waste dump management	---	---	The waste dump management is being done as proposed.

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.	12.89 ha	7.25 ha	No deviation.
5b	Area under backfilling of mined out area	12.89 ha	7.25 ha	No deviation.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	It was proposed to use the topsoil generated for plantation purposes.	Same was noticed during the inspection.	No deviation.
5d	Total area fully reclaimed and rehabilitated	12.89 ha	7.25 ha	No deviation.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	---	---	The backfilling being carried out as proposed.

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, the annual report being submitted regularly to this office.	No deviation.
6b	Area available for rehabilitation (ha) .	12.89 ha	7.25 ha	No remarks
6c	afforestation done (ha).	0.60 ha	0.60 ha	No deviation.
6d	No. of saplings planted during the year	400 no.s	400 no.s	No remarks
6e	Cumulative no .of plants	---	45791 no.s	No remarks
6f	Any other method of rehabilitation	Nil	None	None
6g	Cost incurred on watch and care during the year	----	Rs,3,00,000/- per year.	No remarks

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	12.89 ha	7.25 ha	No remarks
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	None	None
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Nil	None	None
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	None	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	None	None	None
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	None	None	None
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	None	None	None
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	None	None	None

6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed to carry out all the environmental parameters in both the buffer and core zone on quarterly basis.	Same was confirmed during the inspection.	No remarks
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	--	--	All the measure proposed for implementing the proposals for Progressive mine closure are being implemented by the lessee.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	There is no proposal for grade wise sorting within the lease area	No grade wise sorting noticed in the lease area.	No deviation.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Nil	None	None
7c	Different grade of mineral sorted out at mines.	Nil	None	None
7d	Any beneficiation process at mines	None	None	None
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	---	--	There was no proposal for grade wise sorting or beneficiation in the lease area.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes	No deviation.
8b	Concurrent use or storage of topsoil	Yes	Yes	No deviation.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	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)	It was proposed to backfill about 12.89 ha during the year 2021-22.	about 7.21 ha was backfilled during the year 2021-22.	No remarks
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	---	Except for the vegetation made by the lessee, no other vegetation noticed.	No remarks
8g	Survival rate	90%	90%	No remarks
8h	Water sprinkling on roads to control airborne dust	It was proposed to control dust suppression by water sprinkling.	Same was noticed during the inspection.	No remarks
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	---	--	The over all aesthetic beauty of the mine is very good.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	---	The annual return and Monthly returns being submitted regularly by the lessee.	No remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri K.Sudhakar & sri Y.Prabhakar Reddy were reported as Mining Engineer and geologist respectively as per annual return 2021-22.	Same was confirmed during the inspection.	No deviation.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under mining 118.80 ha Area under infrastructure 7.30 ha	Same was noticed during the inspection.	No remarks
9d	Scrutiny of Annual return on afforestation	5000 NO.S	same was confirmed during the inspection.	No remarks
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	None	None
9f	Scrutiny of Annual return on ROM stock and/or graded ore	4.15 Million tonnes	Same was confirmed during the inspection.	No remarks
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs.209.11 per tonnes	Same was confirmed during the inspection.	No remarks
9h	Scrutiny of Annual return on fixed assets	None	None	None

9k	Scrutiny of Annual return on mining machineries	1. Back Hoe - 2 No.s 2. Shovel - 1 no. 3. Wheel loader - 1 no. 4. Dumper - 10 no.s 5. Blast drill - 2 no.s 6. Water tanker - 2 no.s 7. Explosive van - 1 no. 8. Moto grader - 1 no. 9. Air compressor - 1 no.	same was confirmed duirng the inspection.	No remarks
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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