

INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION

Review and updation of Mining Plan REPORT

Hyderabad regional office

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

Mine code : 38APR04015

- (i) Name of the Inspecting : RAM) RAMKISHAN R
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sri. K.Sudhakar, Mine Manager, Sri. Prabakar Reddy, G
Official with
Designation
- (iv) Date of Inspection : 18-JUL-22
- (v) Prev.inspection date : 20-FEB-20

PART-I : GENERAL INFORMATION

1. (a) Mine Name : BHARTHI CEMENT
- (b) Registration NO. :
- (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 : bharathicement.com
Phone : (040)30006999
- (f) Police Station : KAMALAPURAM
- (g) First opening date : 02-FEB-09
- (h) Weekly day of rest : SUN
2. Address for : 269/S/98, Sagar Society
correspondance Road No.2, Banjara Hills,
Hyderabad-500 034
3. (a) Lease Number : APR2536
- (b) Lease area : 632.28
- (c) Period of lease : 30
- (d) Date of Expiry : 28-MAR-36
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : Raghuram Cement Ltd
 269/S/98, Sagar Society ROAD
 NO.2, Banjara
 Hills, Hyderabad HYDERABAD
 TELANGANA
 Phone:
 FAX :

Owner : RAGHURAM CEMENTS LTD
 269/S/98, SAGAR SOCIETY ROAD
 NO.2, BANJARA HILLS
 HYDERABAD CUDDAPAH ANDHRA
 PRADESH
 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 : -

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	23-MAR-06
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	22-JAN-07
	:	FMCP under 23C(1)	04-JUL-11
	:	Modif.of approved Mining Plan	29-JUL-11
	:	Mining Scheme rule 12 MCDR1988	04-SEP-13
	:	MP review under 17(1) MCR 2016	29-NOV-17
	:	MP modif under 17(3) MCR 2016	28-MAY-20

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.	Entire mineralsied area has been explored under G1 level.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year		Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2		Entire mineralsied area explored under G1 level.	
1e	Balance reserve as on 01/04/20	As per the approved document dated 28.05.2020, the Limestone reserves are 192.51 mil.t	due to depletion/addition over the period of time the updated reserves as on dated 01.04.2022 are limestone: 184 milt.t.	
1f	General remarks of inspecting officers on geology, exploration etc		The Limestone in the area is hard, massive and medium to fine grained with dark to light bluish grey in colour. This limestone appears to be an altered (enriched of lime) product of carbonate rocks. It is fine to medium grained in texture and soft in nature.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t. lease area	Pit-1 is proposed for development during the year 2021-22.	Pit-1 is being developed.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	seperate becnhes in top soil, Ob and mineral proposed.	maintained.	
2c	Stripping ratio or ore to OB ratio	1:0.0421 t/cum.	1:0.024 t/cu.m.	deviation is due to less waste produced.
2d	Quantity of topsoil generation in m3	112678 cu.m.	78540 cu.m.	
2e	Quantity of overburden generation in m3	210968 cu.m.	99070 cu.m.	deviation is due to less ROM production and less development.
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 propsoed.		

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	one	
3b	Quantity of ROM mineral production proposed	5000450 t during the year 2021-22.	4150000 t	due to less demand at captive cement plant.
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No proposal.	Nil	

3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Nil
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	mechanised.	mechanised.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Nil
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 deployed for excavation.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	8 m bench height is proposed	maintained.
3m	Total area covered under excavation/pits	131.87 ha at the end of plan period i.e. 2022-23.	115.11 ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.0421 t/cum.	1:0.024 t/cu.m.

3o	Total area put in use under different heads at the end of year	183.78 ha at the end of plan period i.e. 2022-23.	159.71 ha
3p	Production of ROM mineral during the last five year period as applicable	2017-18: 5,095,099 t 2018-19: 5,035,502 2019-20: 5,001,025 2020-21: 5,000,440 2021-22: 5,000,450	2017-18: 4,038,306 t 2018-19: 4,611,806 2019-20: 3,707,491 2020-21: 3,685,807 2021-22: 4,150,000
3q	General remarks of inspecting officers on method of mining etc.	production is carried from single pit by opencast mining method as proposed.	

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	seperate dumping of top soil and backfilling of OB are proposed in the mineral exhausted area of the working pit.	carried out as proposed.	
4b	Location of topsoil, OB and mineral reject dumps	southside of the working pit	southside of the working pit	
4c	Number of dumps within lease area and outside of lease area	No proposal during the year 2021-22.	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.	proposed.	provided.
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	solid waste management is carried out as proposals.	

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	proposed after practised.	full extraction.	
5b	Area under backfilling of mined out area	1.76 ha during the year 2021-22.	0.26 ha	due to less waste development.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	proposed.	carried out	
5d	Total area fully reclaimed and rehabilitated	No proposal.	Nil	

5e General remarks of inspecting officers on backfilling and reclamation etc. backfilling is carried out in the mineral exhausted pit as proposed in the mining plan.

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 to submitted submitted before 1 st July.		
6b	Area available for rehabilitation (ha) .	No proposal.	Nil	
6c	afforestation done (ha).	0.6 ha during the year 2021-22.	1.25 ha	
6d	No. of saplings planted during the year	400 nos	5000 nos	
6e	Cumulative no .of plants		45791 nos	
6f	Any other method of rehabilitation	No proposal.	Nil	
6g	Cost incurred on watch and care during the year		Not assessed.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D .	1.76 ha	1.76 ha	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	1.76 ha	0.26 ha
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	400 nos	1000 nos
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	0.6 ha	1.25 ha
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	0.6 ha	1.25 ha
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	plantation	plantation

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.
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	Proposals	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	
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	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	proposed.	carried out.	
8b	Concurrent use or storage of topsoil	concurrent use and storage both proposed.	carried out.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	backfilling of OB is proposed.	carried out	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	proposed.	carried out	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	proposed.	carried out.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	400 nos	5000 nos	
8g	Survival rate		85%	
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:

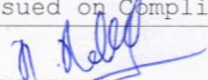
Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and annual returns are to be submitted as per rule 45 of MCDR, 2017	submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	(i) Graduate Mining Engineer 4, (ii) Diploma Mining Engineer 3, (iii) Geologist 1	found to be in order.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C) Workings 115.110 ha, Occupied by plant, buildings, residential, welfare buildings & roads 7.300 ha, Other Purpose (Green Belt, Temp Top soil dump) 37.300 ha	found to be in order.	
9d	Scrutiny of Annual return on afforestation	5000 nos	5000 nos	
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	ROM closing stock is Nil	found to be in order.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price Rs.209.11/t	Ex-Mine price furnished in the annual return submitted for the year 2021-22 is not matching with the derived weighted average of the Ex-mine prices furnished in Monthly returns for the year 2021-22.	clarification asked by lessee.
9h	Scrutiny of Annual return on fixed assets	Rs. 3089997230	Rs. 3089997230	
9k	Scrutiny of Annual return on mining machineries	BACK HOE 6.500 CUM 2 , SHOVEL (HYDRAULIC) 6.500 CUM 1, WHEEL LOADER 6.500 CUM 1 SHOVEL (HYDRAULIC) 4.500 CUM 1, DUMPER 55.000 TONNE 10 etc.,	found to be in order.	

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 : 11/8/22


(RAMKISHAN R)

Indian Bureau of Mines