

**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 : **M015**) **MANISH K. MAINDIRATTA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 27/10/2017
- (v) Prev.inspection date :

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 : 02/02/2009
- (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 : 28/03/2036
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 Plan/Scheme of Mining	:	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

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	None	None	-
1b	Exploration over lease area for geological axis 1 or 2	2015-16 =72 holes, 2016-17 =44 holes., 2017-18 =53 holes.	2016-17 =168 holes. 113, Core, 55 DTH.	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Natural Resources Development Coparative Society LTD., Hyderabad	Expenditure RS= 59,60,650/.	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	Nil	Entire area has been explored.
1e	Balance reserve as on 01/04/20	162.273 Millon Tons.	-	-
1f	General remarks of inspecting officers on geology, exploration etc	2015-16 =72 holes, 2016-17 =44 holes., 2017-18 =53 holes.	2016-17 =168 holes. 113, Core, 55 DTH.	-

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area		As per proposal development work carried out.The present pit is developed over 850 x700 mts.	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)		Separate topsoil bench is there where ever it occurs	
2c	Stripping ratio or ore to OB ratio		No OB is there except Top soil-	-
2d	Quantity of topsoil generation in m3	---	--	
2e	Quantity of overburden generation in m3	272017 CUM of top soil generation proposed	255612 CUM top soil generated .	-

2f General remarks of inspecting officers on development of pit w.r.t. type of deposit etc

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	-
3b	Quantity of ROM mineral production proposed	2016-17 =5002379 T.	2016-17-3120500 T.	-
3c	Recovery of sailable/usable mineral from ROM production		Entire ROM mineral is being used as such.	
3d	Quantity of mineral reject generation	N.A	N.A.	-
3e	Grade of mineral rejects generation and threshold value declared.	N.A	N.A	-
3f	Quantity of sub grade mineral generation.	N.A	N.A	-
3g	Grade of sub grade mineral generation	N.A	Nil	-
3h	Manual / Mechanised method adopted for segregating from ROM	N.A	N.A as entire ROM is being used.	-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	N.A	N.A	-
3j	Provision of drilling and blasting in mineral benches	Wet drilling with Nonel detonator	Wet drilling with Nonel	-

3k	Provision of mining machineries in mineral benches	Excavators & Dumpers proposed	Excavators & Dumpers provided	Excavator- 4.5 cu m -1 no. , and excavator 6.5 cu m -2 nos., loader 6.5cu m -1 no and dumper 55 tons- 10 nos.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM		Yes.	-
3m	Total area covered under excavation/pits	121.05 ha.	82 ha.	-
3n	Ore to OB ratio for the pit/mine during the year.	N.A	1 : 0 . 107 .	-
3o	Total area put in use under different heads at the end of year	121.05 ha	82 ha.	-
3p	Production of ROM mineral during the last five year period as applicable	2013-14 =4981175 T. 2014-15 =4950957 T, 2015-16 =4999616 T, 2016-17 =5002379 T.	2013-14-2430000 T, 2014-15 =2795000T, 2015-16 =2788500 T, 2016-17 =3120500 T.	-
3q	General remarks of inspecting officers on method of mining etc.	Open cast method of mining .	Open cast method of mining .	-

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)		separte dumping of top soil is being done.	
4b	Location of topsoil, OB and mineral reject dumps	No proposal.	Top soil is being used for reclamation of the area mature for reclamation near view point.	-

4c	Number of dumps within lease area and outside of lease area	2 dumps.	2 dumps.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Southern side of the pit.	As per the proposal.	-
4e	Number of active and alive dumps.	2 dumps.	1 active .	-
4f	Number of dead dumps.	1nos	1nos	-
4g	Number of dumps established.	2 nos	2 nos	-
4h	Whether Retaining wall or garland drain all along dumps are there.		Retaning wall and garland drain is not there.	-
4i	Length of Retaining wall or garland drain all along dumps	---	---	-
4j	Number of settling ponds	nil	NIL	-
4k	Specific comments of inspecting officer on waste dump management	As per proposal provided.	As per proposal provided.	-

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.		About 4.5 hectare Area has been backfilled after it's maturity.	-
5b	Area under backfilling of mined out area		About 4.5 ha. area has been backfilled and reclaimed	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Concurrent use of top soil for rehabilitation proposed	Restoration and rehabilitation of mined out area undertaken simultaneously.	-

5d	Total area fully reclaimed and rehabilitated	Not specified.	About 4.5 hectare area rehabilitated and about 8 hectare area is under topsoil dump.	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	As per proposal.	Restoration and rehabilitation of mined out area.	-

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).	Annual report on PMCP	Submitted.	-
6b	Area available for rehabilitation (ha) .	-	About 4.5 hectare Matured area has been rehabilitated	-
6c	afforestation done (ha).	-	About 4.5 hectare rehabilitated	-
6d	No. of saplings planted during the year	2016-17- 400	2016-17- 8000	-
6e	Cumulative no .of plants	-	1000 nos.	-
6f	Any other method of rehabilitation	N.A	Nil	-
6g	Cost incurred on watch and care during the year	-	2 L ack incurred.	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	About 10 hectare	About 4.5 hectare has been rehabilitated after backfilling. However about 8 hectare area has been covered under top soil dump.	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	yes	yes	-

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	leveling and green belt development.	Against 10 hectare About 8 hectare area is backfilled and about 4.5 hectare is backfilled.	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	N.A	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	N.A	Nil	-
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	N.A	Nil. About 4.5 hectare of backfilled area has been rehabilitated.	-
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	by backfilling.A	By backfilling	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Submitting every quarter.	Submitting every quarter.	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Submitted.	submitted.	-

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal.	No proposal was there for sorting within lease and entire ROM is being despatched as such.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal.	Nil	-
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	No proposal.	Nil	-

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	255612 cu mof top soil has been used in 2016-17.	
8b	Concurrent use or storage of topsoil	-	Concurrent use for rehabilitation.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	-	Being maintained.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	-	The top soil has been used for backfilling and rehabilitation and developed as view point site.	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	-	being undertaken
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	-
8g	Survival rate	-	90%
8h	Water sprinkling on roads to control airborne dust	Yes	Has been provided

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR submitted up to Sep. 2017 and AR submitted up to 2016-17.	-	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details of ME and geologist given in returns	As reported in the returns	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.			
9d	Scrutiny of Annual return on afforestation		Information submitted in the returns	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		NIL mineral reject generation reported, as observed.	

9f	Scrutiny of Annual return on ROM stock and/or graded ore	closing stock is NIL as per return. Entire ROM is transported to plant site.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price/ cost of production is Rs 148.70 PMT Mineral is used for captive purpose
9h	Scrutiny of Annual return on fixed assets	No specific comment

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 :

(MANISH K. MAINDIRATTA)

Indian Bureau of Mines