

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

MCDR INSPECTION REPORT

Gandhinagar regional office

Mine file No : GUJ/KUTCH/LST-9

Mine code : 38GUJ10009

- (i) Name of the Inspecting : **T001**) **K. K. TARDIA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Shri Vivek Uplanchiwar, DGM mines
Official with
Designation
- (iv) Date of Inspection : 12/07/2017
- (v) Prev.inspection date : 26/11/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KHARAI HARUDI**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : GUJARAT
District : KUTCH
Village : HARUDI KHARAI
Taluka : LAKHPAT
Post office : BARANDA
Pin Code : 370511
FAX No. : 02831-279279
E-mail :
Phone : 02831-279279
- (f) Police Station : N/A
- (g) First opening date : 02/12/2013
- (h) Weekly day of rest :
2. Address for : VILLAGE-JADVA, KHARAI, VAGHAPADHAR, HARUDI
correspondance TALUKA-LAKHPAT, ABDASA
DIST.-KUTCH(GUJ.)
3. (a) Lease Number : GUJ1951
(b) Lease area : 2831.61
(c) Period of lease : 30
(d) Date of Expiry : 18/10/2038
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : M/S GUJARAT ANJAN CEMENT LTD.
SUMERU CENTRE, 10TH FLOOR
NEAR PARIMAL CROSSING, C.G.
ROAD AHMEDABAD KUTCH
GUJARAT
Phone:
FAX :

Owner : RAJIV DUBE
ULTRATECH CEMENT LTD
MUMBAI-400093 MUMBAI
(SUBURBAN) MAHARASHTRA
Phone: 91-22-66928109
FAX :

Agent : K. C. JAIN
ULTRATECH CEMENT LTD.
SEWAGRAM, VILL. & POST
VAYOR TALUKA- ABDASA, KUTCH
KUTCH GUJARAT
Phone:
FAX :

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 09/07/2014
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Not Proposed	Not applicable	Not applicable
1b	Exploration over lease area for geological axis 1 or 2	2467.64 hect.	2468 HA	Area covered under G1 & G2 Axis
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	38.01 Lakhs	BK Diamond-Rajkot
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not given	364 HA	Vaghapadar Area
1e	Balance reserve as on 01/04/20	Not proposed	460 Million T	
1f	General remarks of inspecting officers on geology, exploration etc			Exploration work on satisfactory level.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit-5A, 5B & Extension bounded by coordinates 464150 E - 468650 E 2597460 N- 2595760N	As per proposal	As per proposal
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not given	Not applicable	No topsoil / overburden generation
2c	Stripping ratio or ore to OB ratio	Not given	Not applicable	No topsoil / overburden generation
2d	Quantity of topsoil generation in m3	No proposal	Not applicable	No topsoil / overburden generation

2e	Quantity of overburden generation in m3	No proposal	Not applicable	No topsoil / overburden generation
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		No topsoil / overburden generation	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	Pit-5A, 5B & Extension
3b	Quantity of ROM mineral production proposed	68,00,000	20,65,763 MT	Production is met based on plant requirement
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	Captive Consumption
3d	Quantity of mineral reject generation	Nil	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	Nil
3f	Quantity of sub grade mineral generation.	Nil	Nil	Nil
3g	Grade of sub grade mineral generation	No proposal	Not applicable	No sub-grade mineral generated
3h	Manual / Mechanised method adopted for segregating from ROM	Not given	Not applicable	Not applicable
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Applicable	Not Applicable	Not Applicable

3j	Provision of drilling and blasting in mineral benches	Not Applicable	Not Applicable	Not Applicable
3k	Provision of mining machineries in mineral benches	Mining by Surface Miner-Loader combination	As per proposal	As per proposal
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Mining to be carried out by Surface Miner	Mining is carried out by Surface Miner	Mining is carried out by Surface Miner
3m	Total area covered under excavation/pits	50 Ha	43.35 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil	Nil
3o	Total area put in use under different heads at the end of year	Pit- 50.00 Waste / reject- Others Rd & Infra 14.75	43.35 Ha 0 4.10 Ha	Nil
3p	Production of ROM mineral during the last five year period as applicable	2012-13: 2013-14 2014-15 2015-16 2016-17 - - 5.15 MTPA 4.86 MTPA 6.80 MTPA	2012-13: 2013-14 2014-15 2015-16 2016-17 - - 1.93 MTPA 2.33 MTPA 2.07 MTPA	Mining operation commenced w.e.f from December 2013 & production taken from 2014-15
3q	General remarks of inspecting officers on method of mining etc.		Mining operation commenced w.e.f from December 2013 & production taken from 2014-15	method of mining is suitable for deposit.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal	Not applicable	Not applicable

4b	Location of topsoil, OB and mineral reject dumps	No proposal No proposal	Not applicable	No top soil is exist.
4c	Number of dumps within lease area and outside of lease area	None	None	No dumps within lease area and outside lease area
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not applicable	Not applicable	Not applicable
4e	Number of active and alive dumps.	No proposal	Not applicable	Not applicable
4f	Number of dead dumps.	Nil	Nil	Nil
4g	Number of dumps established.	Not applicable	Not applicable	Not applicable
4h	Whether Retaining wall or garland drain all along dumps are there.	Not applicable	Not applicable	Not applicable
4i	Length of Retaining wall or garland drain all along dumps	Not applicable	Not applicable	Not applicable
4j	Number of settling ponds	Rain water storage in mined pits	Rain water stored in mined pits	Rain water stored in mined pits
4k	Specific comments of inspecting officer on waste dump management		Mining to be carried out by Surface Miner	No waste is exist in the area.

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 backfilling proposed	Not Applicable	No backfilling proposed
5b	Area under backfilling of mined out area	No proposal	Not Applicable	No proposal

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No top soil exist in lease area	Not Applicable	Not Applicable
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	Not Applicable
5e	General remarks of inspecting officers on backfilling and reclamation etc.		No backfilling proposed and no top soil exist in lease 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).	To be submitted within time	not submitted.	violation pointed out.
6b	Area available for rehabilitation (ha) .	No proposal	Not applicable	
6c	afforestation done (ha).	None	None	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	6.75 Ha	5.34 Ha	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	2.00 Ha	4.00 Ha	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Afforestation & plantation	Afforestation & plantation	

6p	Compliance of environmental monitoring (core zone and buffer zone)	20.25 Lakhs	19.62 Lakhs	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		As per proposal	As per proposal

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	6.80 MTPA	2.066 MTPA	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not Required	Not Required	Whatever mineral is raised is consumed.
7c	Different grade of mineral sorted out at mines.	Multi-pit blending	Multi pit blending is done	Multi pit blending is done
7d	Any beneficiation process at mines	Not required	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Multi-pit blending is done and total raised mineral is consumed.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	No generation	

8b	Concurrent use or storage of topsoil	NA	NA	NA
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	NA
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Mined out pits will be converted into rainwater harvesting structures	Mined out pits will be converted into rainwater harvesting structures
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Entire lease hold area is devoid of any vegetation except at certain place Desi Babul. No forest in the core zone	Plantation is carried out along road side (waste land). Only Local species are being planted.	
8g	Survival rate	65 %	60-65%	
8h	Water sprinkling on roads to control airborne dust	Water spraying on haul road loading & unloading points	Regular water sprinkling is done.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		As per proposal	aesthetic beauty in and around mines are 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	M.R. Submitted up to - March 2017 A.R. submitted up to - June 2017	Details GIVEN in A.R.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	yes	Its found OK	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	yes	Its found OK	
9d	Scrutiny of Annual return on afforestation	yes	Its found OK	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	yes	Its found OK	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	yes	Its found OK	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	yes	Its found OK	
9h	Scrutiny of Annual return on fixed assets	yes	Its found OK	
9k	Scrutiny of Annual return on mining machineries	yes	Its found OK	

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 :

(K. K. TARDIA)

Indian Bureau of Mines