

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

MCDR INSPECTION REPORT

Gandhinagar regional office

Mine file No : GUJ/KUTCH/LST-8

Mine code : 38GUJ10008

- (i) Name of the Inspecting : **T001**) **K. K. TARDIA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Shri Vivek Uplanchiwar
Official with
Designation
- (iv) Date of Inspection : 12/07/2017
- (v) Prev.inspection date : 25/11/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **HARUDI KHARAI**
- (b) **Registration NO.** :
- (c) Category : A 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 : mines.jgcp@jalindia.co.in
Phone : 02831-279200
- (f) Police Station : Kharai
- (g) First opening date : 22/09/2008
- (h) Weekly day of rest :
2. Address for : VILL- HARUDI, TAL-ABDASA
correspondance : DISTT- KUTCH--370511
GUJARAT
3. (a) Lease Number : GUJ1787
- (b) Lease area : 659
- (c) Period of lease : 30
- (d) Date of Expiry : 02/10/2036
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : JAYPEE GUJARAT CEMENT PLANT
 POST-BAYOR TAL- ABDASA
 DISTT.- KUTCHH 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 :

Manager

Name : Arvind Singh
 Qualification : Permit Manager
 Appointment/ : 27/07/2013
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Modif.of approved Mining Plan 09/04/2012

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	No Proposal	569 Ha	Not Applicable
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not given	21.66 Lakhs	BK Diamond
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not given	90 Ha	Not applicable
1e	Balance reserve as on 01/04/20	Not applicable	155.88 mT	Not applicable
1f	General remarks of inspecting officers on geology, exploration etc	Not proposed	Satisfactory level.	Satisfactory level.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit no-1 to 6 bounded by the coordinated 468250 E - 469850 E 2598060N- 2595460N	As per the proposal	As per the proposal
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal	Not applicable	Not applicable
2c	Stripping ratio or ore to OB ratio	No proposal	Not applicable	Not applicable
2d	Quantity of topsoil generation in m3	No proposal	Not applicable	Not applicable
2e	Quantity of overburden generation in m3	No proposal	Not applicable	Not applicable

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Not proposed	Work has been carried out as per deposit.	Work has been carried out as per deposit.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	06	06	As per the proposal
3b	Quantity of ROM mineral production proposed	5.0 MTPA	1.34 MTPA	Proposal as per EC : 1.50 MTPA
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	NA	NA
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	NA	NA
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	NA	NA
3j	Provision of drilling and blasting in mineral benches	No proposal	NA	Multi-pit blending

3k	Provision of mining machineries in mineral benches	No proposal	NA	NA
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Not applicable	Not applicable	Not applicable
3m	Total area covered under excavation/pits	124.21 Ha	123.34 Ha	As per the proposal
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 - 124.21 Waste / reject-0 Others Rd & Infra-14.00	123.34 Ha 0 13.95 Ha	
3p	Production of ROM mineral during the last five year period as applicable	2012-13 2013-14 2014-15 2015-16 2016-17 5.00 5.00 5.00 5.00	4.05 2.82 1.39 1.34 1.34	As per proposal
3q	General remarks of inspecting officers on method of mining etc.		as per proposal	as per proposal

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	Not applicable	Not applicable

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)	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	Not applicable	Not applicable
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 harvesting in mine t pits	Rain water stored in mine out pits	As per the proposal
4k	Specific comments of inspecting officer on waste dump management		As per the proposal	As per the proposal

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.	Not Applicable	Not Applicable	Not Applicable
5b	Area under backfilling of mined out area	Not Applicable	Not Applicable	Not Applicable
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not Applicable	Not Applicable	Not Applicable

5d	Total area fully reclaimed and rehabilitated	Not Applicable	Not Applicable	Not Applicable
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not Applicable	Not Applicable	Not Applicable

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).	Submitted within time.	Not submitted	Violation of rule 26(2) has been pointed out.
6b	Area available for rehabilitation (ha) .	No proposal	Not applicable	Not applicable
6c	afforestation done (ha).	No proposal	Not applicable	Not applicable
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Back filling not proposed.	NA	NA
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	2.00 Ha	4.00 Ha	Current year
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	2.00 Ha	4.00 Ha	Current year
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Afforestation & plantation	Afforestation & plantation	Current year

6p	Compliance of environmental monitoring (core zone and buffer zone)	21.32 Lakh	39.81 Lakhs	As per proposal
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Back filling not proposed.	NA	The annual compliance report (2016-17) of mine has not been submitted, the violation of rule 26(2) pointed out.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	5.0 MTPA	1.342 MTPA	Proposal as per EC : 1.50 MTPA
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not Required	NA	Whatever mineral is raised is consumed.
7c	Different grade of mineral sorted out at mines.	Multi-pit blending	Multi pit blending is done	As per proposal
7d	Any beneficiation process at mines	Not required	Not required	NA
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Multi-pit blending	AS per proposal	As per proposal.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	No generation	Topsoil not generated.

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	NA
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Part of the mined out pits will be converted into rainwater harvesting structures	Part of the mined out pits is converted into rainwater harvesting during rainy season.
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.	As per proposal.
8g	Survival rate	65%	60-65%	As per proposal.
8h	Water sprinkling on roads to control airborne dust	Water spraying on haul road loading & unloading points shall be provided	Regular water sprinkling is done.	as per proposal.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not proposed.	Plantation is carried out along road side (waste land). Only Local species are being planted.	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 -June 2017 A.R. submitted upto- 2016-17	Online returns submitted	Online returns submitted
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Graduate Mining Engineer -01 Diploma Mining Engineer-01 Geologist - 1 Manager -1	Graduate Mining Engineer -01 Diploma Mining Engineer-01 Geologist - 1 Manager -1	as per proposal
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under use - 123.34 Ha Reclaimed area - Nil Dumps - Nil	Area under use - 123.34 Ha Reclaimed area - Nil Dumps - Nil	As per proposal
9d	Scrutiny of Annual return on afforestation	No of trees planted: 2080 with survival rate of 74%	No of trees planted: 2080 with survival rate of 60-65%	No of trees planted: 2080 with survival rate of 60-65%
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	There is no generation of rejects during the year 2016-17	There is no generation of rejects during the year 2016-17	There is no generation of rejects during the year 2016-17
9f	Scrutiny of Annual return on ROM stock and/or graded ore	No stocking of the mineral, limestone raised during the year has been consumed at captive cement plant.	No stocking of the mineral, limestone raised during the year has been consumed at captive cement plant.	No stocking of the mineral, limestone raised during the year has been consumed at captive cement plant.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value - Nil Ex.Mine price - 211.00	Sale value - Nil Ex.Mine price - 211.00	NA
9h	Scrutiny of Annual return on fixed assets	Land: Rs. 13106429 (Addition during the year) Plant: Rs 173186526 Residential: Rs 8285513	Land: Rs. 13106429 (Addition during the year) Plant: Rs 173186526 Residential: Rs 8285513	Land: Rs. 13106429 (Addition during the year) Plant: Rs 173186526 Residential: Rs 8285513

9k	Scrutiny of Annual return on mining machineries	SURFACE MINER SM2200 - 2 Wheel Loaders - 2 Duper / Tippers: 21 Water Tanker: 02	SURFACE MINER SM2200 - 2 Wheel Loaders - 2 Duper / Tippers: 21 Water Tanker: 02	SURFACE MINER SM2200 - 2 Wheel Loaders - 2 Duper / Tippers: 21 Water Tanker: 02
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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 :

(K. K. TARDIA)

Indian Bureau of Mines