

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

**MCDR INSPECTION REPORT**

**Gandhinagar regional office**

**Mine file No :** GUJ/JUNA/LST-301

**Mine code :** 38GUJ08350

- (i) Name of the Inspecting : 003 ) MANISH GUPTA  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Sh. Rajesh Tiwari, Mining Engineer, Sh. R.K.Pathak, G  
Official with  
Designation
- (iv) Date of Inspection : 09/07/2017
- (v) Prev.inspection date : 04/01/2016

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : KADIDARA
- (b) **Registration NO.** : IBM/5292/2011
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : GUJARAT
- District : JUNAGARH
- Village : KODIDRA
- Taluka : VERAVAL
- Post office : KODIDRA
- Pin Code : 362265
- FAX No. : 02876 263480
- E-mail : mining@ghcl.co.in
- Phone : 02876 305564
- (f) **Police Station** : TALALA
- (g) **First opening date** : 28/10/2008
- (h) **Weekly day of rest** :
2. **Address for correspondance** : VILL.- KODIDRA  
DISTT.- GIR SOMNATH  
GUJARAT
3. (a) **Lease Number** : GUJ1610
- (b) **Lease area** : 6.32
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 01/06/2010
4. **Mineral worked** : LIMESTONE Main

## 5. Name and Address of the

Lessee : GHCL LTD.  
 VILLAGE & TALUKA--  
 SUTRAPADA JUNAGARH  
 GUJARAT  
 Phone:02786-83401-03/09/10/83551-56  
 FAX :02876-83480

Owner : RAMAN CHOPRA  
 GHCL, House, Swastik  
 Society, Opp. Punjabi Hall,  
 Navrangpura Ahmedabad  
 (Gujarat) AHMEDABAD GUJARAT  
 Phone: (079) 26427818  
 FAX : (079)26423623

Agent : MANISH KUMAR  
 GHCL LTD. SUTRAPADA,VERAVAL  
 GIR SOMNATH GUJARAT  
 Phone: (02877) 287851  
 FAX : (079)26423623

## Mining Engineer

Name : RAJESH TEWARI, Full Time  
 Qualification :  
 Appointment/ : 02/02/2013  
 Termination date

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 17/07/2013  
 Plan/Scheme of Mining

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	N.A.	No backlog for previous year.	STAR RATING INSPECTION.
1b	Exploration over lease area for geological axis 1 or 2	N.A.	As per company record entire lease year has been covered under G1 or 2	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	N.A.	Company itself.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	N.A.	NIL.	As per company record entire lease year has been covered under G1 or 2
1e	Balance reserve as on 01/04/20	N.A.	57734MT.	
1f	General remarks of inspecting officers on geology, exploration etc	N.A.	As per geology of area exploration work is satisfactory.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Grid 365S to 466S & 56E to 51W	Work has been done in between Grid 365S to 466S & 56E to 51W.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	N.A.	There is no top soil, overburden in the area. Minerals benches area separate from any unwanted material.	
2c	Stripping ratio or ore to OB ratio	N.A.	NIL.	Area is free OB.
2d	Quantity of topsoil generation in m3	N.A.	Negligible.	Area is almost free from top soil.
2e	Quantity of overburden generation in m3	N.A.	Nil.	Area is free from overburden.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	N.A.	Deposit has been developed satisfactory.
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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two.	Work has been carried out in two pits.	
3b	Quantity of ROM mineral production proposed	28074MT.	13287MT.	
3c	Recovery of sailable/usable mineral from ROM production	24985MT.	12945.340MT	
3d	Quantity of mineral reject generation	N.A.	NIL.	
3e	Grade of mineral rejects generation and threshold value declared.	N.A.	NIL.	
3f	Quantity of sub grade mineral generation.	1684MT.	342MT.	Undersize limestone.
3g	Grade of sub grade mineral generation	N.A.	Cement grade.	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual.	Hand picking of lumpe has been practised.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	N.A.	NIL.	
3j	Provision of drilling and blasting in mineral benches	proposed.	Drilling and blasting has not been practised.	

3k	Provision of mining machineries in mineral benches	N.A.	JCB and truck/tipper combination has been deployed.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	N.A.	Suitable.	
3m	Total area covered under excavation/pits	3.0061hect.	3.29hect.	
3n	Ore to OB ratio for the pit/mine during the year.	N.A.	NIL.	No OB in lease area.
3o	Total area put in use under different heads at the end of year	N.A.	Pits: 3.29hect Roads: 0.2836hect Others: 0.25hect.	
3p	Production of ROM mineral during the last five year period as applicable	2013-14: 28098MT, 2014-15: 28135MT, 2015-16: 28161MT, 2016-17: 28074MT	2013-14: 20396MT, 2014-15: 16745MT, 2015-16: 17189MT, 2016-17: 7950MT	
3q	General remarks of inspecting officers on method of mining etc.	N.A.	Method of mining "Opencast OTFM" is suitable for this type of deposit. General working condition is satisfactory.	

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	N.A.	Top soil has been used in plantation. Area is free from OB and mineral rejects.	
4b	Location of topsoil, OB and mineral reject dumps	N.A.	NIL.	
4c	Number of dumps within lease area and outside of lease area	N.A.	NIL.	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	N.A.	NIL.
4e	Number of active and alive dumps.	N.A.	NIL.
4f	Number of dead dumps.	N.A.	NIL.
4g	Number of dumps established.	N.A.	NIL.
4h	Whether Retaining wall or garland drain all along dumps are there.	N.A.	NIL.
4i	Length of Retaining wall or garland drain all along dumps	N.A.	NIL.
4j	Number of settling ponds	N.A.	NIL.
4k	Specific comments of inspecting officer on waste dump management	N.A.	Area is free from OB, easte. Overall waste dump management is satisfactory.

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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.	N.A.	Fully extracted.	
5b	Area under backfilling of mined out area	N.A.	0.02 hect area has been levelled and developed as agriculture field.	Backfilling material has not available at mine site.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	N.A.	Topsoil has been used in plantation.	
5d	Total area fully reclaimed and rehabilitated	N.A.	NIL.	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	N.A.	Backfilling material has not available at mine site. Total 0.02 hect area has been levelled and developed as agriculture field. Overall backfilling and reclamation condition is satisfactory.
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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).	N.A.	Yearly report for year 2016-17 has not been submitted.	
6b	Area available for rehabilitation (ha) .	N.A.	NIL.	
6c	afforestation done (ha).	.5836	.175	
6d	No. of saplings planted during the year	100	112	
6e	Cumulative no .of plants	550	577	
6f	Any other method of rehabilitation	To develop as water reservoir.	Area has not been matured for this process.	
6g	Cost incurred on watch and care during the year	N.A.	Not available at mine site.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	N.A.	NIL.	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	N.A.	NIL.	

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	N.A.	NIL.	0.02 hect area has been levelled and developed as agriculture field.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	N.A.	Area has not been matured for this process.	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	N.A.	Plantation has been carried out.	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	N.A.	Afforestation has been done.	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	N.A.	NIL.	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	N.A.	NIL.	
6p	Compliance of environmental monitoring (core zone and buffer zone)	N.A.	Environmental monitoring has been carried out. All parameters are under standard value.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	N.A.	Backfilling material has not been available at mine site. Total 0.02 hect area has been levelled and developed as agriculture as agriculture field. Overall PMCP compliance is satisfactory.	

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	28074MT	13287MT	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual.	Manual habd picking has been practised.	
7c	Different grade of mineral sorted out at mines.	Chemical grade, Cement grade.	Chemical grade, Cement grade.	
7d	Any beneficiation process at mines	N.A.	Not required.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	N.A.	General mineral conservation and beneficiation issues are satisfactory.	

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	N.A.	Topsoil has been used in plantation.	
8b	Concurrent use or storage of topsoil	N.A.	Used in plantation.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	N.A.	NIL.	Area is free from overburden, waste rock etc.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	N.A.	NIL.	Area is free from overburden, waste rocks etc.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	N.A.	.02 hect area has been levelled and developed as agriculture field.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	N.A.	Plantation of 112 plants has been carried out.
8g	Survival rate	N.A.	67%
8h	Water sprinkling on roads to control airborne dust	N.A.	Observed during inspection.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	N.A.	Aesthetic beauty in and around mines area is satisfactory.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	N.A.	Submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	N.A.	Mining engineer: Sh. Rajesh tiwari. Geologist: Sh. M.C.Upadhyay.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	N.A.	Pits: 3.29 hect. Roads: 0.2836 hect. Others: 0.25 hect.	
9d	Scrutiny of Annual return on afforestation	N.A.	112 plants has planted.	

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9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	N.A.	NIL.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	N.A.	13287 MT.
9h	Scrutiny of Annual return on fixed assets	N.A.	Adequate.
9k	Scrutiny of Annual return on mining machineries	N.A.	JCB and truck/tipper combination observed.

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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 :**

**(MANISH GUPTA)**

Indian Bureau of Mines