

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

**MCDR INSPECTION REPORT**

**Gandhinagar regional office**

**Mine file No :** GUJ/JUNA/LST-198

**Mine code :** 38GUJ08267

- (i) Name of the Inspecting : 003 ) MANISH GUPTA  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Sh. Sameer bhai, Son of Lessee.  
Official with  
Designation
- (iv) Date of Inspection : 17/01/2018
- (v) Prev.inspection date : 28/12/2013

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : VIRODAR (S.NO.11)
- (b) **Registration NO.** : 545
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : GUJARAT
- District : JUNAGARH
- Village : VIRODAR
- Taluka : VERAVAL
- Post office : VIRODAR
- Pin Code : 362265
- FAX No. : NIL
- E-mail : samirminerals@yahoo.in
- Phone : 9824659216
- (f) **Police Station** : SUTRAPADA
- (g) **First opening date** : 01/01/1989
- (h) **Weekly day of rest** :
2. **Address for correspondance** : VILLAGE & POST-VIRODAR  
TALUKA-VERAVAL  
DISTT-JUNAGARH
3. (a) **Lease Number** : GUJ0265
- (b) **Lease area** : 16.18
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 29/03/2008
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : NURMOHAMAD KALUBHAI PATNI  
C/O SORATH MINERAL TRADING  
CO. JUNAGARH GUJARAT  
Phone:09924696384  
FAX :NIL

Owner : NURMOHAMAD KALUBHAI PATNI  
C/O M/S SORABH MINERAL  
TRADING CO. BHALKA ROAD,  
VERAVAL DIST-JUNAGARH(GUJ)  
JUNAGARH GUJARAT  
Phone:  
FAX :

6. Date of approval of Mining Plan/Scheme of Mining : Renewal under rule 22 MCR1960 13/04/2011

## 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.	
1b	Exploration over lease area for geological axis 1 or 2	N.A.	As per lessee all lease area has covered under geological axis 1 and 2.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	N.A.	Lessee itself.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	N.A.	NIL.	As per lessee entire lease area has covered under Geological axis 1 and 2.
1e	Balance reserve as on 01/04/20	N.a.	400000MT	
1f	General remarks of inspecting officers on geology, exploration etc	N.A.	The lessee's efforts towards exploration is satisfactory.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N.A.	Development in pits is almost as per proposal.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	N.A.	Not required.	Working area is free from top soil and overburden.
2c	Stripping ratio or ore to OB ratio	N.A.	NIL.	Area is free from OB.
2d	Quantity of topsoil generation in m3	N.A.	Negligible.	Area is almost free 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 developed properly.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	N.A.	Two.	
3b	Quantity of ROM mineral production proposed	N.A.	234478 MT.	
3c	Recovery of sailable/usable mineral from ROM production	N.A.	100%	
3d	Quantity of mineral reject generation	N.A.	NIL.	Area is free from mineral reject.
3e	Grade of mineral rejects generation and threshold value declared.	N.A.	NIL.	There is no mineral reject generation.
3f	Quantity of sub grade mineral generation.	N.A.	NIL.	Area is free from sub grade mineral.
3g	Grade of sub grade mineral generation	N.A.	NIL.	There is no sub grade in the area.
3h	Manual / Mechanised method adopted for segregating from ROM	N.A.	Manual segregation from ROM.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	N.A.	Not required.	
3j	Provision of drilling and blasting in mineral benches	N.A.	Drilling and blasting has not practised.	

3k	Provision of mining machineries in mineral benches	N.A.	JCB cum Truck/tipper combination has used.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	N.A.	Yes.	
3m	Total area covered under excavation/pits	N.A.	10.37 hect.	
3n	Ore to OB ratio for the pit/mine during the year.	N.A.	NIL.	There is no OB in the area.
3o	Total area put in use under different heads at the end of year	N.A.	Mining: 10.37 hect, Roads: 0.1216 hect, Others: 2.0 hect.	
3p	Production of ROM mineral during the last five year period as applicable	N.A.	2013-14: 10994 MT, 2014-15: 20M.T, 2015-16: 192335 MT, 2016-17: 234478 MT.	
3q	General remarks of inspecting officers on method of mining etc.	N.A.	Chooosen method of mining is correct. Working status 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 used in plantation. Area is free from OB and mineral rejects.	
4b	Location of topsoil, OB and mineral reject dumps	N.A.	NIL.	Top soil has used in plantation. Area is free from OB and mineral rejects.
4c	Number of dumps within lease area and outside of lease area	N.A.	NIL.	Area is free from OB.

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	N.A.	Not applicable.	There is no dump in the area.
4e	Number of active and alive dumps.	N.A.	NIL.	Area is free from OB.
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.	Not required.	There is no dump in the area.
4i	Length of Retaining wall or garland drain all along dumps	N.A.	NIL.	There is no dump in the area.
4j	Number of settling ponds	N.A.	Not required.	There is no tailing in the area.
4k	Specific comments of inspecting officer on waste dump management	N.A.	There is no OB/ waste in the area. 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.	Mineral has extracted in full depth.	
5b	Area under backfilling of mined out area	N.A.	NIL.	Not applicable as the pit is active.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	N.a.	Topsoil has used in plantation.	
5d	Total area fully reclaimed and rehabilitated	N.A.	NIL.	No area is mature for reclamation and rehabilitation.

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5e	General remarks of inspecting officers on backfilling and reclamation etc.	N.A.	Filling material is not available at mine site. Overall backfilling and reclamation status 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.	Submitted.	
6b	Area available for rehabilitation (ha) .	N.A.	NIL.	No mined out area is available for rehabilitation.
6c	afforestation done (ha).	N.A.	1.0 hect.	
6d	No. of saplings planted during the year	100	100	
6e	Cumulative no .of plants	N.A.	120.	
6f	Any other method of rehabilitation	N.A.	To develop as water reservoir.	
6g	Cost incurred on watch and care during the year	N.A.	Not available with lessee.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	N.A.	No mined out area is available for backfilling.	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	N.A.	NIL.	Area is free from waste/tailings.

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	N.A.	NIL.	Backfilling has not done.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	N.A.	At present area is not mature for this process.	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	N.A.	NIL.	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	N.A.	Plantation has carried out.	
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.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	N.A.	Status of PMCP compliance and progressive closure operations is satisfactory.	

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	N.A.	Size-wise sorting within lease area.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	N.A.	Manual hand picking has practised.
7c	Different grade of mineral sorted out at mines.	N.A.	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.	Status of mineral conservation and beneficiation issues is satisfactory.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	N.A.	Topsoil has used in plantation.	
8b	Concurrent use or storage of topsoil	N.A.	concurrent use in plantation.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	N.A.	NIL.	Area is free from overburden, waste rock, rejects.
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 rock, rejects.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	N.A.	No mined out area is available for reclamation & rehabilitation.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	N.A.	120 plants exists.
8g	Survival rate	N.A.	60%
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.	No threat to aesthetic beauty except land degradation.

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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.	Appointed.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	N.A.	Found in order.	
9d	Scrutiny of Annual return on afforestation	N.A.	Plantation has been done.	

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9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	N.A.	As per record.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	N.A.	as per record.
9k	Scrutiny of Annual return on mining machineries	N.A.	JCB and trucks/tippers 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