

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

MCDR INSPECTION REPORT

Gandhinagar regional office

Mine file No : GUJ/KUTCH/BX-2

Mine code : 07GUJ10011

- (i) Name of the Inspecting : **T001**) **K. K. TARDIA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Shri S G Patel
Official with
Designation
- (iv) Date of Inspection : 10/07/2017
- (v) Prev.inspection date : 01/01/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **NANA GUNIYASAR**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : GUJARAT
District : KUTCH
Village : NANA GUNIYASAR
Taluka : MANDVI
Post office : NANA GHNIYASAR
Pin Code :
FAX No. : 02834-82310
E-mail : cbpg@sanobarnet.in
Phone : 02834-82289
- (f) Police Station :
- (g) First opening date : 12/06/1967
- (h) Weekly day of rest : SUN
2. Address for : PO- GUNIYASAR
correspondance : DISTT- KUTCH
GUJARAT
3. (a) Lease Number : GUJ1334
- (b) Lease area : 70.93
- (c) Period of lease : 20
- (d) Date of Expiry : 11/06/2027
4. Mineral worked : BAUXITE Main

5. Name and Address of the

Lessee : GUJARAT MINERAL DEV. CORPN. LTD.
KHANIJ BHAVAN, 132 FEET
RING ROAD, VASTRAPUR
AHMEDABAD AHMEDABAD GUJARAT
Phone:079-7913200, 7913501(D) 7913399
FAX :079-7913038

Owner : GUJARAT MINERAL DEVELOPMENT CORPN. LTD.
AHMEDABAD GUJARAT
AHMEDABAD GUJARAT
Phone: 079-7913200, 79
FAX : 079-7911540

Manager

Name : V.K.SUMERA
Qualification : M.Sc. (Geology)
Appointment/ : 07/09/2010
Termination date

6. Date of approval of Mining : Renewal under rule 22 MCR1960 03/02/2004
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 11/02/2013

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	6 BH PBH-12 to PBH-17 Proposed for FY-2015-16	As per proposal	
1b	Exploration over lease area for geological axis 1 or 2	Exploration Area covered under 111 is 100 sq m.	As per proposal	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Exploration Budget proposed was Rs 36,000/-	Exploration Done by Khanna & Associated 9 m Exploration done which cost Rs.5283/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Balance area to be explored to bring Geological axis in 1 or 2 in accordance with the mining scheme	Drilling done balance area to be explored to bring Geological axis is 1 or 2 accordance with mining scheme remain Zero. (100 sq m explored, 200 sq m found non feasible area.)	
1e	Balance reserve as on 01/04/20	6.6 Million Ton	6.6 Million Ton	
1f	General remarks of inspecting officers on geology, exploration etc		As per proposal	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	South East Direction	South East Direction	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:0.063	na	

2d	Quantity of topsoil generation in m3	Nil	Nil
2e	Quantity of overburden generation in m3	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		method of mining is suitable for the deposite.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	3	2	
3b	Quantity of ROM mineral production proposed	143800.00	129029	
3c	Recovery of sailable/usable mineral from ROM production	143800.00	121325	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL	
3f	Quantity of sub grade mineral generation.	26818	7704	
3g	Grade of sub grade mineral generation	AL2O3<30%, Size 10mm	AL2O3<30%, Size 10mm	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	NIL	NIL
3k	Provision of mining machineries in mineral benches	5	3
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Not Proposed	na
3m	Total area covered under excavation/pits	61.64	15.11
3n	Ore to OB ratio for the pit/mine during the year.	0:0.063	na
3o	Total area put in use under different heads at the end of year	Pit-61.64 Waste/reject 0.2	15.11 0.88
3p	Production of ROM mineral during the last five year period as applicable	Yr-2013-14 : 107411 Yr-2014-15 : 117342 Yr-2015-16 : 121673 Yr-2016-17 : 129029	Yr-2013-14 : 100000 Yr-2014-15 : 100000 Yr-2015-16 : 100000 Yr-2016-17 : 100000
3q	General remarks of inspecting officers on method of mining etc.		method of mining is suitable for the deposit.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Done
4b	Location of topsoil, OB and mineral reject dumps	North direction of Pit-1	North direction of Pit-1
4c	Number of dumps within lease area and outside of lease area	Nil	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA
4e	Number of active and alive dumps.	2	2
4f	Number of dead dumps.	NA	NA
4g	Number of dumps established.	NA	NA
4h	Whether Retaining wall or garland drain all along dumps are there.	NA	NA
4i	Length of Retaining wall or garland drain all along dumps	NA	NA
4j	Number of settling ponds	NA	NA
4k	Specific comments of inspecting officer on waste dump management		As per 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.	0.24	Nil	

5b	Area under backfilling of mined out area	0.24	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Nil		Area is not mature for the backfiling.

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 not submitted	Violation has been pointed out.	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Yes	Yes	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Bauxit & Sub grade	Bauxit & Sub grad e	
7d	Any beneficiation process at mines	NA	NA	

7e General remarks of inspecting officer on Mineral conservation and beneficiation issues grade-wise mineral sorting i.e. manual .

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Nil	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	yes	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	300	500	
8g	Survival rate	80%	70%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	

8i General remarks of inspecting officer on aesthetic beauty in and around mines area aesthetic beauty in and around mines are good.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto -May-2017 A.R. submitted upto- 2016-2017	Its found OK	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	ok	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	ok	
9d	Scrutiny of Annual return on afforestation	Given	ok	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given	ok	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given	ok	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	ok	
9h	Scrutiny of Annual return on fixed assets	Given	ok	
9k	Scrutiny of Annual return on mining machineries	Given	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