

## INSPECTION REPORT

### 1.0 GENERAL

S.N	Particulars	Details
1(a)	Name of the Mine	Khan Kotra Lst Mine
1(b)	Name of Inspecting Officer & Designation	R.Majumder, RMG
1(c)	Accompanying Mines Representatives	Mr. Franklin Jogaiah, Owner Representative
1(d)	Type of Inspection	Star Rating & MCDR
1(e)	Date of Inspection	30.3.2022
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	4.80 Hect. Non forest Land
3	Mine code	38GUJ07075
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM / 1142 / 2011
5	Name of the lessee, Address, phone, email and fax number	Keshavji Ukaji Patel, Post-Dhudhasiya, Taluka Kelwad, Distt-Jamnagar (Guj.)8780561517,
6	Village	Khan Kotra
7	Taluka/Mandal	Kelwad
8	District	Jamnagar
9	Pin code	361160
10	State	Gujarat
11	Post office	Khan Kotra
12	Nearest police station	Kelwad
13	Nearest Railway station	Jamnagar
14	Date of Grant of Mining Lease	Grant order No. MCR - 1099(M-33) Dt. 08.01.2002
15	Date of Execution	19.02.2002 for 30 years
16	Date of opening of Mine	NA
17	Date of first Renewal, if applicable and its period & expiry	NA
18	Date of second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Keshavji Ukaji Patel, Post-Dhudhasiya, Taluka Kelwad, Distt-Jamnagar (Guj.)8780561517,
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Keshavji Ukaji Patel, Post-Dhudhasiya, Taluka Kelwad, Distt-Jamnagar (Guj.)8780561517,
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment	N.A
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number, date of appointment in mine	N.A , Violation letter is being issued
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule	N.A
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	684(4)(1)MP-245/19 MDRD(N) /GNR, Dated 24/10/19 for 2019-20 to 2024-25 & MMP approved on 18.2.21
26	Date of Approval of SOM/ with five-year period and specific condition in approval letter, if any.	No
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Opencast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	Category A
30	Captive/Non Captive	Non captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. -

Exploration		Proposals(2021-22)	Actual work	Remarks
S.N	Item	--	--	
1a	Backlog of previous year			

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	Exploration over lease area for Geological axis 1 or 2.	Nil	NA	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	-	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	-	NA	
1e	Balance reserves as on 01.04.2021 (in million tonnes)	Reserves-587180T (111,121&122) as per approved RMP dated 18.2.2021		
1f	General remarks of inspecting officer on geology, exploration etc.	No Exploration proposed as per approved Mining Plan		

**2.0 Development**

S.N	Item	Proposals(2021-22)	Actual work	Remarks
2a	Location of development w.r.t. lease area	Eastern part of lease	Eastern part ML	
2b	Separate benches in topsoil, OB & mineral	Nil	Nil	
2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	Nil	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Lease area is developed by 02 mine pits in irregular shape in sloppy area.		

**3.0 Exploitation**

S.N	Item	Proposals(2021-22)	Actual work	Remarks
3a	Number of pits proposed for production	One Pit (Pit No 2)	Pit No 2	Violation of Rule 11(1) has been pointed out.
3b	Quantity of ROM mineral production proposed (in tonnes)	150144 T	163370 T (till Feb'22)	
3c	Recovery of saleable / usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Not proposed	Nil	
3e	Grade of mineral reject generation and threshold value declared	Not proposed	Nil	
3f	Quantity of sub-grade mineral generation	Not proposed	Nil	
3g	Grade of sub-grade mineral generation	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade and reject.	Nil	Nil	
3j	Provision of drilling & blasting in mineral benches	Nil	Nil	
3k	Provision of mining machineries in mineral benches	Yes	Yes	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	yes	
3m	Total area covered under excavation/pits	2.448 Ha	2.8 ha approx	
3n	Ore to OB ratio for the pit/mine / year	Nil	Nil	
3o	Total area put in use under different heads at the end of year	Area under mining about 2.508 Ha	Area under mining about 2.8 Ha	
3p	Production of ROM mineral during last five-year period, as applicable	2017-18=NA 2018-19=NA 2019-20=70,198T 2020-21=71,180T 2021-22=1,50,144T	2017-18=100T 2018-19=0T 2019-20=55,430.17T 2020-21=3,70,321T 2021-22= 163370 T	(Till Feb'22)
3q	General remarks of inspecting officer on method of mining etc.	Mining is done by excavator and tipper combination.		

**4.0 Solid Waste Management-Dumping**

S.N	Item	Proposals(2021-22)	Actual work	Remarks
4a	Separate dumping topsoil, OB & reject	Not Proposed	Nil	
4b	Location of topsoil, OB & reject dumps	Nil	Nil	
4c	Number of dumps within lease area and	Nil	Nil	

	outside lease area			
4d	Location of dumps w.r.t. ultimate pit limit	Nil	Nil	
4e	Number of active & alive dumps	Nil	Nil	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilized	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Nil	Nil	
4i	Length of Retaining wall, garland drain dump	Nil	Nil	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer	There is no solid waste generated in mine.		

#### 5.0 Solid Waste Management-Backfilling

S.N	Item	Proposals(2021-22)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before backfilling	Partial	Nil	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	Nil	Nil	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	NIL,		

#### 6.0 Progressive Mine Closure Plan

S.N	Item	Proposals(2021-22)	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26 (2).	Returns submitted for the year 2020-21		
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	Nil	Nil	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	Nil	Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	50	50	Poor Survival rate
6e	Compliance of Environmental monitoring (core & buffer zone)	Nil	Monitoring done by third party.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Returns submitted for the year 2020-21		

#### 7.0 Mineral Conservation

S.N	Item	Proposals(2021-22)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area (in tonnes)	150144 T	163370 T (till Feb'22)	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual/Mech.	Manual/Mech.	
7c	Different grade of mineral sorted out at mines	Nil	Nil	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Manual sizing, sorting & blending is done for mineral conservation.		

#### 8.0 Environment

S.N	Item	Proposals(2021-22)	Actual work	Remarks
8a	Separate removal and utilization of topsoil	Proposed	Work done	
8b	Concurrent use or storage of topsoil	Nil	Nil	

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8c	Separate dumps for overburden, waste rock, rejects and fines	Nil	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc.).	Nil	Nil	
8f	Baseline information on existence of plantation & additional plantation done	Nil	Nil	
8g	Survival rate	Nil	Nil	
8h	Water sprinkling on roads to control dust	Nil	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	The area is having beautiful aesthetic around the mining lease area.		

**9.0 Compliance of Rule 45**

S.N	Item	COMMENTS		Remarks
		Details given	Comments	
	Status of submission of Online Monthly and Annual returns	Monthly Returns of Feb'22 submitted. Annual return 2020-21 submitted		
9b	Scrutiny of Annual return for information on ME, Geologist, MM etc.	Mining Engineer and Geologist appointed		
9c	Scrutiny of Annual return on land use pattern under pits, reclaimed area, dumps etc. (Ha)	Details mentioned in AR.	Details mentioned in AR.	
9d	Scrutiny of Annual return on afforestation	250 no plants was proposed	Plantation done	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Not Proposed	Not done	
9f	Scrutiny of Annual return on ROM stock and/or graded ore (Tonne)	4660 tonnes of cement grade limestone reported in the AR	During inspection stock observed.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Cost of Production is 164	--	
9j	Scrutiny of Annual return on fixed assets	Not Proposed	--	
9k	Scrutiny of Annual return on mining machineries	--	--	

**10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:-** Presently mine was inspected for Star Rating. During inspection, lease boundary pillars were not available/erected & maintained as per statute & working appears outside. Presently violation of 11(1) pointed out. Star rating (3 star) validation done.

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31.3.2021