

## MCDR INSPECTION REPORT

### 1.0 GENERAL

SN	Particulars	Details
1(a)	Name of the Mine	Khorasa Limestone Mine (1.0Ha)
1(b)	Name of Inspecting officer & Designation	G. Ram, Sr.ACOM
1(c)	Accomp.official	Sh. Jagat Mama Joshi, Lessee rep.
1(d)	Date & Type of Inspection	10.9.2021 AN & Star Rating
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	1.0Hect. ( Non-Forest) Survey No. 379P
3	Mine code	38GUJ08288
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/9156/2012
5	Name of the lessee, Address, phone, email and fax number	Shri Rudabhai Devshi bhai Vader, Post-Sherbagh, Gaddu, Tq-Maliahatina, District-Junagarh, Gujarat 360575
6	Village	Khorasa
7	Taluka/Mandal	Malia hatina
8	District	Junagarh
9	Pin code	362255
10	State	Gujarat
11	Post office	Gadu
12	Nearest police station	Gadu
13	Nearest Railway station	Gadu
14	Date of Grant of Mining Lease	23.2.1984,
15	Date of Execution	05.5.1984 for 20years
16	Date of opening of Mine	--
17	Date of first Renewal, if applicable and its period & expiry	First Renewal was applied & under process.
18	Date of second Renewal, if applicable and its period & expiry	Not applicable
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 & appointment	Shri Rudabhai Devshi bhai Vader, Post-Sherbagh, Gaddu, Tq-Maliahatina, District-Junagarh, Gujarat 360575
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Rudabhai Devshi bhai Vader, Post-Sherbagh, Gaddu, Tq-Maliahatina, District-Junagarh, Gujarat 360575
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	NA-Not appointed, since mine is not working presently.
23	Name of the Mining Engineer, Qualification and total Exp. with Address, phone, email, fax number and date of appointment in mine	NA-Not appointed, since mine is not working presently.
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	NA-Not appointed, since mine is not working presently.
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Letter No. 682(23)/286/2003-MCCN (M) UDP Dated 17/9/2003
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Letter No. 682(23)/286/2003-MCCN (M) UDP Dated 29.7.2016 for 2016-17 to 2018-19. 684(4)(1)/MP-292(247)/2020-21 Dated 06.11.2020 for 2020-21 to 2023-24.
27	Mineral(s) granted in ML proved for mining	Limestone
28	Method of Mining(Open cast, Underground)	Open cast.
29	Category (Fully Mechanised, Others or Manual)	A-Category
30	Captive/Non Captive	Non-Captive

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

**1.0 Exploration**

SN	Item	Proposals 2020-21	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	NIL	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not proposed	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Mining lease area is explored in G1/G2 level by way of DTH borehole /trench/old pits etc.		
1e	Balance reserves as on 01.4.2021	The reserves & resources available as per approved RMP as on 06.11.20 are 104726T (111&121) & remaining resources (35168T)		
1f	General remarks of inspecting officer on geology, exploration etc.	This is small lease area of 1Ha & lessee has been carried out the DTH borehole & trench in previous plan period.		

**2.0 Development**

SN	Item	Proposals 2020-21	Actual work	Remarks
2a	Location of development w.r.t. lease area	Pit No.1&2 as earmarked in plate No.5	Not done	Discontinuance Notice is not submitted, VL pointed out.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	It is proposed to removing the topsoil separately, if any.		
2c	Stripping ratio or ore to OB ratio	1:0.0		
2d	Quantity of topsoil generation (m3)	Not proposed		
2e	Quantity of OB generation ( m3)			
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The lease area is developed by mine pit. During present inspection, boundary pillars of lease area are not available/erected and maintained as per statutes.		

**3.0 Exploitation**

SN	Item	Proposals 2020-21	Actual work	Remarks
3a	Number of pits proposed for production	Pit No.1&2 as earmarked in plate No.5	Not done	Discontinuance Notice is not submitted, VL pointed out.
3b	Quantity of ROM mineral production proposed	12000T	0T	
3c	Recovery of salable/usable mineral from ROM production	100% proposed	NIL	
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	Not Proposed	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	NIL	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed any beneficiation.	NIL	
3j	Provision of drilling & blasting in mineral benches	Not Proposed	NIL	
3k	Provision of mining m/c in mineral benches	JCB & Tipper combination proposed.	NIL	
3l	Whether height of benches in OB and mineral suitable for method of mining proposed in MP/SOM	Bench height-6m& width more than height	NIL	
3m	Total area covered under excavation/pits	It was proposed to work in 0.163Ha in plan period.	0.61Ha, Inf-0.003Ha	
3n	Ore to OB ratio for the pit/mine during year	1:0.0	NIL	
3o	Total area put in use under different heads at the end of year	-	About 0.61Ha	

3p	Production of ROM mineral during last five-year period, as applicable	2017-18- 34880T 2018-19- 34960T 2019-20- NA 2020-21-12000T 2021-22-34960T	2017-18- 6622.13T 2018-19- 26049T 2019-20- 9050T 2020-21-0T 2021-22-0T(Till )	VL Pointed out Under rule 11(1)
3q	General remarks of inspecting officer on method of mining etc.	Presently mine is not working. However proposed method of mining is mechanised opencast method with JCB/tipper combination.		

#### **4.0 Solid Waste Management-Dumping**

SN	Item	Proposals 2020-21	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	No Topsoil & OB proposed	NIL, Not generated	
4b	Location of topsoil, OB & mineral reject			
4c	Number of dumps within lease area and outside lease area			
4d	Location of dumps w.r.t. ultimate pit limit			
4e	Number of active & alive dumps			
4f	Number of dead dumps			
4g	Number of dumps stabilised			
4h	Whether Retaining wall or garland drain all along dumps are there			
4i	Length of Retaining wall or garland drain all along dump			
4j	Number of settling ponds			
4k	Specific comments of inspecting officer			

#### **5.0 Solid Waste Management-Backfilling**

SN	Item	Proposals 2020-21	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not proposed	NIL	
5b	Area under backfilling of mined out area			
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)			
5d	Total area fully reclaimed & rehabilitated			
5e	General remarks of inspecting officer on backfilling, reclamation etc	There are no OB/Waste generation. Hence no backfilling & reclamation proposed & not carried out.		

#### **6.0 Progressive Mine Closure Plan**

SN	Item	Proposals 2020-21	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly	Proposed to submit PMCP report 26(2) with in time	Not submitted	VL pointed out.
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	0.02Ha, 50 No. Fencing-253m	25Nos. Survival less	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific etc.	NIL	NIL	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NIL	NIL	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Monitoring is proposed to carried	Third party done	
6f	General remarks of inspecting officer on PMCP compliance & progressive mine closure.	There are no OB/Waste generation. Hence no backfilling & reclamation proposed & not carried out.		

## 7.0 Mineral Conservation

SN	Item	Proposals 2020-21	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	12000T	NIL	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanised	NIL	
7c	Different grade of mineral sorted out at mines	Chemical/Cement grade	NIL	
7d	Any beneficiation process at mines	Not Proposed	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	There is no mineral rejects/subgrade generated No beneficiation study is requires.		

## 8.0 Environment

SN	Item	Proposals 2020-21	Actual work	Remarks
8a	Separate removal and utilization of topsoil	Not proposed	Not generated.	
8b	Concurrent use or storage of topsoil	Not proposed	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines	Not proposed	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc.)	Not proposed	NIL	
8f	Baseline information on existence of plantation & additional plantation done	Plantation proposed- 50saplings & 0.02Ha	25 Nos.	
8g	Survival rate	Not proposed	Survival less	
8h	Water sprinkling on roads to control airborne dust	Proposal for suppress dust	Water sprinkling done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines.	The aesthetic beauty of area in & around mines are degraded mine pit/land of irregular bench height & width due to mining activities etc.		

## 9.0 Compliance of Rule 45

S.N	Item	COMMENTS	Remarks
	Status of submission of Online Monthly and Annual returns	M.R.-Up to till date submitted. A.R-2020-21-13.6.2021.	
S.N	Item	Observations	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details given as per AR-2020-21	ROM production & dispatch is NIL for the year.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		
9d	Scrutiny of Annual return on forestation		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)		
9f	Scrutiny of Annual return on ROM stock and/or graded ore		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost		
9i	Scrutiny of Annual return on fixed assets		
9k	Scrutiny of Annual return on mining machineries		

Details of violations observed during current inspection and compliance position of earlier violation pointed out: Mine was inspected for Star Rating (2019-20) inspection and validation done (3star), during inspection, mine was not working & BP of lease area were not available/erected and maintained as per statute. Violation of provision of rules 11(1),26(2),28(1) pointed out for rectification.

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