

MCDR INSPECTION REPORT

1/24964/2024

1.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	Khan Kotda Limestone Mines, 538/2/P
1 (a)	Name of the lessee	Shri Keshavji Ukabhai Patel
1(b)	Name of Inspecting Officer & Designation	Snehalkumar Patel, AME
1(c)	Accompanying Mines Representatives	Mr. Sonubhai & Team
1(d)	Type of Inspection	MCDR/Star Rating
1(e)	Date of Inspection	04-05-2023 (FN)
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non-Forest-4.80 Ha
3	Minecode	38GUJ07075
4	IBM Registration Number under rule 45 of MCDR, 2017	IBM/1142/2011
5	Name of the lessee, Address, phone, email and fax number	Shri Keshavji Ukabhai Patel R/o- Post- Dhudasiya, Taluka-Kelwad, Dist.- Jamnagar, Gujarat-361160, Mob. 9978919945 E-mail: Emmanuel_jogaiah@yahoo.co.in
6	Village	Khan Kotda
7	Taluka/Mandal	Kelawad
8	District	Jamnagar
9	Pincode	361160
10	State	Gujarat
11	Post office	Kelawad
12	Nearest police station	Kelawad
13	Nearest Railway station	Kelawad
14	Date of Grant of Mining Lease	--
15	Date of Execution	06-12-1998
16	Date of opening of Mine	06-12-1998
17	Date of first Renewal, if applicable and its period & expiry	N/A
18	Date of second Renewal, if applicable and its period & expiry	N/A
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	N/A
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	N/A
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	N/A
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Sh. Emmanuel Jogaiah D1, Sheri No-4 Maninagar, Near Rameshwar Park, Raiya road, Dist.- Rajkot, Gujarat-360007
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Sh. Emmanuel Jogaiah D1, Sheri No-4 Maninagar, Near Rameshwar Park, Raiya road, Dist.- Rajkot, Gujarat-360007
24	Whether Geologist and Mining Engineer appointed in mines	Yes, Geologist - Sh. Mehul Dave Mining Engineer- Sh. Emmanuel Jogaiah

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	satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	
25	Date of Approval of Mining Plan/ Modified Mining Plan with five-year period and specific condition in approval letter, if any.	682(23)141/2002-MCCM(N)-UDP, Date - 07-12-2001 684(4)(1)/MP-245/2019-20-GNR-Dated 24-10-2019 2019-20 to 2023-24
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	684(4)(1)/MP-314(245)/2020-21-GNR-Dated 18-02-2021 Period 2021-22 to 2023-24
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	'A' Mechanised.
30	Captive/Non Captive	Non-Captive

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

1.0 Exploration

SN	Item	Proposals (2022-23)	Actual work	Remarks
1a	Backlog of previous year	No Proposal	N.A.	Entire area is explored to G-1 Level
1b	Exploration over lease area for Geological axis 1 or 2.	Two trial pit	Work Done.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	N.A.	N.A.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	N.A.	N.A.	
1e	Balance reserves as on 01.04.2023	111- 437685 T 221- 70200 T	111- 437685 T 221- 70200 T	
1f	General remarks of inspecting officer on geology, exploration etc.	Trial pit work done. Entire area is explored to G-1 Level.		

2.0 Development

SN	Item	Proposals (2022-23)	Actual work	Remarks
2a	Location of development w.r.t. lease area	Pit-1 & 2	Pit-1 & 2	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	N.A.	N.A.	There is no O/B and there is also no any generation of rejects as a result of the mining operations.
2c	Stripping ratio or ore to OB ratio	1:0	1:0	
2d	Quantity of topsoil generation in m3	2276	Approx.	Use to plantation area.
2e	Quantity of overburden generation in m3	N.A.	N.A.	
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 due to sloppy area.		

3.0 Exploitation

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SN	Item	Proposals (2022-23)	Actual work	Remarks
3a	Number of pits proposed for production	Pit No. 1 & 2	Pit No. 1 & 2	
3b	Quantity of ROM mineral production proposed	150250 Tonne	149495 Tonne	
3c	Recovery of salable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	NIL	NA	No mineral reject
3e	Grade of mineral reject generation and threshold value declared	NIL	Not analysed	
3f	Quantity of sub-grade mineral generation	NA	NA	No Sub-grade Mineral
3g	Grade of sub-grade mineral generation	NA	NA	No Sub-grade Mineral
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	N.A.	N.A.	
3j	Provision of drilling & blasting in mineral benches	N.A.	N.A.	
3k	Provision of mining machineries in mineral benches	Excavator with combination of Tippers	As per Proposal.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes O/B-NA Ore-5.0M	Yes O/B-NA Approx. Ore-5 M	
3m	Total area covered under excavation/pits	2.448 Ha	Approx. 2.00 Ha.	
3n	Ore to OB ratio for the pit/mine during the year	1:0	1:0	
3o	Total area put in use under different heads at the end of year	Pit-2.448 Ha. Others- 0.060 Ha.	Approx. 2.00 Ha.	
3p	Production of ROM mineral during last five-year period, as applicable (MT)	Yr-2018-19-NA Yr-2019-20-70198 T Yr-2020-21-71180 T Yr-2021-22-150144 T Yr-2022-23-150250 T	Yr-2018-19- Nil Yr-2019-20- 55430.17 Yr-2020-21- 370327 T Yr-2021-22-163370 T Yr-2022-23-149495 T	
3q	General remarks of inspecting officer on method of mining etc.	Mining operation carried out as per proposal.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2022-23)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	2276 M ³	Approx.	Use to plantation area.
4b	Location of topsoil, OB & mineral reject dumps	N.A.	Nothing reported upon.	
4c	Number of dumps within lease area and outside lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	N.A.	N.A.	
4e	Number of active & alive dumps	N.A.	N.A.	

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4f	Number of dead dumps	N.A.	N.A.	
4g	Number of dumps stabilised	N.A.	N.A.	
4h	Whether Retaining wall or garland drain all along dumps are there	No	No	
4i	Length of Retaining wall or garland drain all along dump	N.A.	N.A.	
4j	Number of settling ponds	N.A.	N.A.	
4k	Specific comments of inspecting officer	No top soil, dump, mineral reject was observed during inspection.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2022-23)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling.	No Proposal	NA	
5b	Area under backfilling of mined out area	NA	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NA	NA	
5d	Total area fully reclaimed & rehabilitated	NA	NA	
5e	General remarks of inspecting officer on backfilling, reclamation etc	There is practically no soil covering in this area.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2022-23)	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20.	PMCP report submitted in time.	Submitted.	
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	i) 0.07 Ha. ii) 0.01 Ha. iii) 150 Nos. iv) 150 Nos. v) Nil Ha. vi) 5000/-	i) Approx. ii) 0.01 Ha. iii) 25 Nos. iv) 25 Nos. v) NA vi) Approx.Rs. 5000/-	Violation of Rule 11(1) has been pointed out in this regard.
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 means	No proposed	No proposed	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No proposed.	No proposed.	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Air quality monitoring was done as per CCOM's circular 3/92 during mining.	Monitoring done by third party.	

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6f	General remarks of inspecting officer on PMCP compliance & progressive	Environment of the mining area is good.
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7.0 Mineral Conservation

SN	Item	Proposals (2022-23)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Total ROM to be dispatched.	As per proposal.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NA	NA	
7c	Different grade of mineral sorted out at mines	NA	NA	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Found Satisfactory.		

8.0 Environment

SN	Item	Proposals (2022-23)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	Work Done.	Use for plantation.
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	150 Nos of sapling to be planted every year.	Approx. 25 Nos of sapling planted up to 2022-23.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Plantation was proposed total sapling is 150	Approx. 25 Nos of sapling planted in 2022-23.	
8g	Survival rate	As per proposal.	Approx. 50%	
8h	Water sprinkling on roads to control airborne dust	As & when required	As & when required	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	The overall environmental condition of the mining area is good.		

9.0 Compliance of Rule 45

S.N	Item	COMMENTS		Remarks
9a	Status of submission of Online Monthly and Annual returns	M.R. Submitted up to till date - Yes A.R. submitted up to till date- Yes		
S.N	Item	Details given in A.R(2022-23)	Observation of I/Officer /Actual reported in Returns	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	mining engineer, geologist	Found in order	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	Found in order	
9d	Scrutiny of Annual return on afforestation	150 no plants was proposed	Not done.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Not proposed.	Found in order	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	No stock reported in the AR.	Found in order	

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9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex Mine price & Cost of Production is 256.77 & 197.63 respectively.	Ex Mine price Rs.256.77 only.	
9i	Scrutiny of Annual return on fixed assets	Yes	Found in order	
9k	Scrutiny of Annual return on mining machineries	Yes	As per Proposal.	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:- During the inspection previous violation on dated 10-02-2023 found and communicated to lessee for the rectification. It is observed during inspection that lessee has not complied. Now added the violation of rule 11(1) & 34A are found and violation letter is being issued for the rectification of the same within stipulated time.

स्नेहलकुमार पटेल
सहायक खनन अभियंता
भारतीय खान ब्यूरो
