

INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	Malundha Limestone Mines
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	37.23 Hect
3	Mine code	38GUJ08087
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/9137/2012
5	Name of the lessee, Address, phone, email, and fax number	M/s R. J. Trivedi & Co. Opp. Chorwad Station, Sherbaug, gadu, Taluka:Maliya Hatina, District: Junagadh.
6	Village	Malundha
7	Taluka/Mandal	Veraval
8	District	Gir Somnath
9	Pincode	362255
10	State	Gujarat
11	Post office	Veraval
12	Nearest police station	Veraval
13	Nearest Railway station	Veraval
14	Date of Grant of Mining Lease	24.04.1975
15	Date of Execution	08.08.1975
16	Date of opening of Mine	08.08.1975
17	Date of first Renewal, if applicable and its period & expiry	Applied on 02.08.1994 for period of 20 Yr.(07.08.1995 to 06.08.2015)
18	Date of second Renewal, if applicable and its period & expiry	Applied on 15.01.2014 for period of 20 Yr.(06.08.2015 to 05.08.2035)
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	As per rule 8(A)(6) of MMDR on dated 19.01.2017 lease period valid upto 07.08.2025
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Sarmanbhai Jadavbhai Vala Address-Shivam Transport, Ravi Complex, Near Woodland Hotel, Veraval, Gujarat-362255, email-shivam_mining@yahoo.in , Mobile-9714383393
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Krushnabhai Parbatbhai Vala Address-Shivam Transport, Ravi Complex, Near Woodland Hotel, Veraval, Gujarat-362255, email-shivam_mining@yahoo.in , Mobile-9909230833
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Vishal Kamaliya Address-Vadnagar Road, Bodkivadi, Village-Kodinar, Ta-Kodinar, GirSomnath, Gujarat-362720, Mobile-7046707052, email- kamaliyavishal234@gmail.com

23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Khuntad Punabhai B. Village-Gorakhmadhi, Ta-Sutrapada, GirSomnath, Gujarat-362268, Mobile-8758119701
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Milind Kundal Plot No. 114B Pulak City (Near Silicon City), Rau, Indore 452012, Madhya Pradesh, India E-Mail :milind.kundal@gmail.com Phone No. :+919595688316
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	1 st Mining Plan approved On dated 04.08.2008 vide letter no 682(23)(589)/2008-MCCM(N)UDP. 2 nd Mining Plan with PMCP approved On dated 30.09.2013 vide letter no 682(23)(589)/2008-MCCM(N)UDP.
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	3 rd Modified Mining Plan with PMCP approved On dated 29.09.2016 vide letter no 682(23)(589)/2008-MCCM(N)UDP.
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Open cast, Underground)	Open cast Working
29	Category (Fully Mechanised, Others or Manual)	Other than fully mechanised (OTFM)
30	Captive/Non Captive	Non Captive

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

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
1a	Backlog of previous year	2 PBH	20 BH	
1b	Exploration over lease area for Geological axis 1 or 2.			
1c	Exploration Agency & Expenditure in lakh Rupees during the year		2,69,040 by lessee	
1d	Balance area to be explored to bring Geological axis in 1 or 2		20 BH	
1e	Balance reserves as on 01.04.2021	90,31,812.52	Reserve & Resource Recalculated based on New Exploration.	

1f	General remarks of inspecting officer on geology, exploration etc.	Area is explored to G-1 level .
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2.0 Development

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
2a	Location of development w.r.t. lease area	Centre part of lease area.	In pit no 1 & 2	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Not Applicable	Not Applicable	
2c	Stripping ratio or ore to OB ratio	Not Applicable	Not Applicable	
2d	Quantity of topsoil generation in m3	360 cum	Nil	
2e	Quantity of overburden generation in m3	Not Applicable	Not Applicable	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Pit is developed as per the proposal given in mining plan		

3.0 Exploitation

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
3a	Number of pits proposed for production	1	Pit no 1 & 2	
3b	Quantity of ROM mineral production proposed	10,00,000	675167.058 MT	
3c	Recovery of salable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Not Applicable	Not Applicable	
3e	Grade of mineral reject generation and threshold value declared	Threshold value=($>34\%CaO$ and $<4\%$ of MgO)	Threshold value=($>34\%CaO$ and $<4\%$ of MgO)	
3f	Quantity of sub-grade mineral generation	No Proposal	NIL	
3g	Grade of sub-grade mineral generation	No Proposal	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	Semi Mechanised	Semi Mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No Proposal	Not applicable	
3j	Provision of drilling & blasting in mineral benches	No Proposal	Not applicable	
3k	Provision of mining machineries in mineral benches	Rock breaker Excavator,JCB, Tipper	Rock breaker Excavator, JCB, Tipper	

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	20.00 Ha	6.7804 Ha	
3n	Ore to OB ratio for the pit/mine during the year	No Proposal	Not applicable	
3o	Total area put in use under different heads at the end of year	20.00 Ha	6.7804 Ha	
3p	Production of ROM mineral during last five-year period, as applicable	Yr-(2016-17)-7,00,800MT Yr-(2017-18)-7,30,406MT Yr-(2018-19)-7,53,390MT Yr-(2019-20)-7,63,636MT Yr-(2020-21)-10,00,000MT	86,520 MT 46,235.47 MT 3,27,800 MT 1,28,250 MT 675167.058 MT	
3q	General remarks of inspecting officer on method of mining etc.	Mining is done without use of drilling and blasting in a eco-friendly manner.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No Proposal	Nil	
4b	Location of topsoil, OB & mineral reject dumps	No Proposal	Nil	
4c	Number of dumps within lease area and outside lease area	No Proposal	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	Nil	
4e	Number of active & alive dumps	No Proposal	Nil	
4f	Number of dead dumps	No Proposal	Nil	
4g	Number of dumps stabilised	No Proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	No Proposal	Nil	
4i	Length of Retaining wall or garland drain all along dump	No Proposal	Nil	
4j	Number of settling ponds	No Proposal	Nil	
4k	Specific comments of inspecting officer	No waste is generated as entire ROM is used in cement plant.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
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5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No Proposal	Nil	
5b	Area under backfilling of mined out area	No Proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Topsoil to be utilised For Plantation.	Nil	
5d	Total area fully reclaimed & rehabilitated	No Proposal	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No waste is generated as entire ROM is used in cement plant.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2020-21)	Actual work (2020-21)	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.	Not due on date of inspection		
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	20 no of Plant	20 no of Plant	
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 (Fencing)	No Proposal	Nil	

6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No Proposal	No Proposal	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	No Proposal	Nil	
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP report was not due on date of inspection.		

7.0 Mineral Conservation

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No Proposal	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	NA	
7c	Different grade of mineral sorted out at mines	High grade (refractory & abrasive grade) & Low grade.	High grade (refractory & abrasive grade) & Low grade.	
7d	Any beneficiation process at mines	No Proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Entire ROM is used for cement /Chemical plant.		

8.0 Environment

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposal for the topsoil on the Plantation area.	NA	
8b	Concurrent use or storage of topsoil	Proposal for the topsoil on the Plantation area.	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal	Nil	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	-	-	
8g	Survival rate	No Proposal	Nil	
8h	Water sprinkling on roads to control airborne dust	Water to be sprinkled on the haul road to suppress the dust being getting airborne	Mobile water tankers have been deployed for the purpose.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	The area is having beautiful aesthetic beauty around mining area.		

9.0 Compliance of Rule 45

S.N	Item	COMMENTS	Remarks
.	Status of submission of Monthly and Annual returns	Submitted on Schedule	

S.N	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	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	Yes	Found in order	
9e	Scrutiny of Annual return on mineral reject	Yes	Found in order	

	generation (Grade & quantity)			
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	Found in order	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Yes	Found in order	
9i	Scrutiny of Annual return on fixed assets	Yes	Found in order	
9k	Scrutiny of Annual return on mining machineries	Yes	Found in order	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: -

During inspection violation of Rule 26(2), 33 and 55(1) (c) (i) found and communicated to lessee for the rectification of the same.

Darshan Deep Bhardwaj
Senior Asst. Controller of Mines

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