

**MCDR INSPECTION REPORT (Modified Mining Plan)**

**1.0 GENERAL**

SN	Particulars	Details
1(a)	Name of the Mine	Malunda Limestone Mines (37Ha)
1(b)	Name of Inspecting officer	Naman Ekka, SMG
1(c)	Date of Inspection	03/08/2023, Modified Mining Plan
1(d)	Accompanying officer	Sh. Jotva Nilesh Kalabhai, Mining Engg.
2	Total Lease Area (Ha) Non-forest and forest land	ML Area: 36.42 Ha , Survey Nos.: 185/45,
3	Mine code	38GUJ08087
4	IBM Registration Number under rule 45	IBM/9137/2012
5	Name of the lessee, Address, phone, email and fax number	M/s RJ Trivedi & Co. Opp.Chorwad Station, Sherbaug,PO.-Gadu Taluka-Malia Hatina, Distt-Junagarh, Gujarat-362255 shivam_mining@yahoo.com, 9825130999
6	Village	Malunda
7	Taluka/Mandal	Varaval
8	District	GirSomnath
9	Pin code	362 255
10	State	Gujarat
11	Post office	Varaval
12	Nearest police station	Varaval
13	Nearest Railway station	Varaval
14	Date of Grant of Mining Lease	24.4.1975
15	Date of Execution	08.8.1975 (Expiry-07.8.2025 As per MMDR Act 1957,
16	Date of opening of Mine	--
17	Date of first Renewal, if applicable & expiry	07.8.1995
18	Date of second Renewal, if applicable & expiry	NA
19	Date of submission of renewal application if	NA
20	Name of the Nominated Owner with Address, phone, email, fax and date of appointment	Shri Sarmanbhai Jadavbhai vala, C/o M/s RJ Trivedi & Co. shivam_mining@yahoo.com,9825130999
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Krushnabhai Parbatbhai Vala,M/s RJ Trivedi & Co. Opp.Chorwad Station, Sherbaug ,PO.-Gadu Taluka-Malia Hatina, Distt-Junagarh, Gujarat-362255 shivam_mining@yahoo.com,9825130999
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Vishal Kamliya, Vadnagar Road, Bodkivadi, Village-Kodinar,Gir-somnath,Gujarat-362720,7046707052, kamaliyavishal1234@gmail.com
23	Name of the Mining Engineer, Qua. & Exp. with Address, phone, email, fax , date of appointment	Jotva Nilesh Kalabhai, BE (Mining) WEF-01.5.2021
24	Whether Geologist, Mining Engineer appointed in mines satisfy the rule carrying out their duties	Milind P.Kundal, MSc.(Applied Geology), Plot No.114B, Pulak City, Rau, Indore-452112-MP WEF-05.2.2019
25	Date of Approval of MP/MMP with five-year period specific condition in approval letter, if any.	682(23)/589/2008 /MCCM /N/UDP Dated-04.8.2008, for 2009-10 to 2013-14
26	Date of Approval of RMP/Modified RMP with five-year period and specific condition in approval letter, if any.	684(4)(1)/MP-342/ 2021-22 Dated-24.5.2021, 2021-22 to 2025-26 approved with special conditional/ submission of finalised lease & authenticated lease plan within 120 days.
27	Mineral(s) granted in lease	Limestone
28	Method of Mining(Opencast,UG)	Opencast Mining
29	Category (FM, Others or Manual)	A-Category
30	Captive/Non Captive	Non-Captive

**1.0 Exploration**

SN	Item	Proposals 2022-23	Actual work	Remarks
1a	Backlog of previous year	04 Core boreholes each 20m depth proposed in 2021-22.	04 Core BH Drilled in 2022-23	
1b	Exploration over lease area for G-axis 1 or 2	G1-27.9517 Ha. G2-3.7329 Ha. G3- 5.5454 Ha.	After Drilling 04 BH in 2022-23 Entire Lease area has been explored in G1 category.	
1c	Exploration Agency & Expenditure	No proposal.	Total Expenditure Mentioned in Form J is – Rs. 51920.00 (Excluding Tax)	
1d	Balance area to be explored to bring G-axis in 1 or 2	No proposal.	04 Core BH Drilled in 2022-23 to come in G1 Category	
1e	Balance reserves (Million Tonnes) as on 01.04.2023	UNFC (111,121&122)– 5.5373 & 0.73101 Million Tonne as per approved RMP dated 18.8.2021	111 – 4934742 tonnes 122 – 731010 tonnes Total Remaining Resources – 6545448 tonnes	
1f	General remarks of inspecting officer on geology, exploration etc.	Entire lease area has been explored in G1 Category.		

SN	Item	Proposals 2022-23	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	Not proposed	NO separate dumping reported	

### **2.0 Development**

SN	Item	Proposals 2022-23	Actual work	Remarks
2a	Location of development w.r.t. lease area	Pit no. 1 & 2	As informed during inspection development has been carried out in Pit1 & 2	
2b	Separate benches in topsoil, overburden and mineral.	Proposal for benches in Mineral only	Irregular benches of mineral seen during inspection.	
2c	Stripping ratio or ore to OB ratio	1:0	1:0	
2d	Quantity of topsoil generation in m3	No proposal for topsoil generation	As reported no Topsoil generated.	
2e	Quantity of overburden generation in m3	No proposal for OB generation	As reported no OB generated.	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Development of Pit is being carried out as per approved mining plan.		

### **3.0 Exploitation**

SN	Item	Proposals 2022-23	Actual work	Remarks
3a	Number of pits proposed for production	Two pits	Two pits	Surface miner pits worked by excavator and vice versa.
3b	Quantity of ROM production proposed	10,00,000T	6,02,580 T	
3c	Recovery of saleable/usable mineral from ROM production	100% ROM	100% recovery	
3d	Quantity of mineral reject generation	No Proposal	As reported no Mineral Reject generated.	
3e	Grade of mineral reject generation and threshold value declared	No Proposal	As reported no Mineral Reject generated.	
3f	Quantity of sub-grade mineral generation	No Proposal	As reported no sub-grade mineral generated	
3g	Grade of sub-grade mineral generation	No Proposal	As reported no sub-grade mineral generated	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	No method adopted for segregating.	
3i	Any analysis or beneficiation study proposed & carried out	No proposal	Not done	
3j	Provision of drilling & blasting in mineral benches	No proposal	No drilling & blasting	
3k	Provision of mining machineries in mineral benches	Excavator/Breaker Tipper, Surface Miner	As proposed	
3l	Whether height of benches in OB & mineral suitable for method of mining	5-6M-Regular	5-6M-Irregular	
3m	Total area covered under excavation/pits	As proposed 10.00 Ha.	Total about -15.3 Ha. (Cumulative)	
3n	Ore to OB ratio for the pit/mine	1:0	1:0	
3o	Total area put in use under different heads at the end of year	Total-15.30 Ha, Stack-0.0Ha, Infra & Road-1.66 Ha.		
3p	Production of ROM mineral during last five-year period, as applicable	2018-19- 753390T 2019-20- 763636T 2020-21-10,00,000T 2021-22-10,00,000T 2022-23-10,00,000T	2018-19- 327800T 2019-20-128250T 2020-21-675167.05T 2021-22-392150T 2022-23-6,02,580 T	
3q	General remarks of inspecting officer on method of mining etc.	Method by using Surface Miner/Excavator without conventional drilling & blasting/HEMM used.		

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

4b	Location of topsoil, OB & mineral reject	Not proposed	NIL	
4c	Number of dumps within lease area and outside lease area	Lease area is devoid of OB & waste. Hence not proposed.	NIL, not generated.	
4d	Location of dumps w.r.t. UPL			
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/garland drain			
4j	Number of settling ponds			
4k	Specific comments of inspecting officer			

### 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	Not proposed	NIL	No O/B is proposed & generated. Hence backfilling is not feasible.
5b	Area under backfilling of mined out area			
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area			
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 carried out.		

### 6.0 Progressive Mine Closure Plan

SN	Item	Proposals 2022-23	Actual work	Remarks
6a	Whether AR on PMCP submitted on time & correctly Rule 26(2).	Proposed -2022-23	Submitted on 28/06/2023.	
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	Fencing- 1789 m around pits Re-grassing-0.8152 Ha. Green Belt Plantation - 600 Plants Area Covered 0.6 Ha.	Green Belt Plantation - 600 Plants	
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 Proposal	No work carried out	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	600 Plants / 0.6 Ha.	As reported 600 Plants / 0.6 Ha	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Ambient Air, Water, Noise monitoring-	Regular monitoring carried out.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Periodical environment monitoring is being carried out by regularly.		

### 7.0 Mineral Conservation

SN	Item	Proposals 2022-23	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade Wise Sorting	Grade Wise Sorting	Entire ROM is utilised by sizing & sorting, blending as per buyer's requirement.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical Size wise sorting	Mechanical Size wise sorting	
7c	Different grade of mineral sorted out at mines	Chemical & Cement grade	Cement & Chemical grade	
7d	Any beneficiation process at mines	Not proposed & requires presently	Not done	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Entire ROM is utilised by proper sizing & sorting, blending as per buyer's requirement.		

## 8.0 Environment

SN	Item	Proposals 2022-23	Actual work	Remarks
8a	Separate removal & utilization of topsoil	Not proposed	NIL	Topsoil is removing separately & utilising for plantation purposes.
8b	Concurrent use or storage of topsoil	Not proposed	Not generated.	
8c	Separate dumps for overburden, waste rock, rejects and fines	Area is devoid of OB & Waste. No OB/Waste & mineral rejects proposed	NIL, since area is devoid of OB/waste & not generated.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use			
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc.)			
8f	Baseline information on existence of plantation & additional plantation done	600Nos Survival Rate 80 %	600Nos Survival Rate 72 %	
8g	Survival rate			
8h	Water sprinkling on roads to control airborne dust	Proposal for suppress air borne dust	Water sprinkling done regularly	
8i	General remarks of inspecting officer on aesthetic beauty in & around mine	The aesthetic beauty of area is mine working pits & plantation done in 7.5m & new mine office side.		

## 9.0 Compliance of Rule 45

S.N	Item	COMMENTS		Remarks
	Status of submission of Online Monthly and Annual returns	M.R. Submitted up to till date –Submitted with in time.A.R. Submitted up to till date-28.6.2023. (2022-23)		
S.N.	Item	Details GIVEN in A.R.	Observation of I/Officer /Actual reported in Returns	Remarks
9b	Scrutiny of AR for information on ME, Geologist and Manager	ME - Jotva Nilesh Kalabhai Geologist –Kundal Milind	Geologist not present during inspection	NIL
9c	Scrutiny of AR on land use pattern for area under pits, reclaimed area, dumps	Already exploited and abandoned by opencast (O-C) mining – 10.550Ha. Occupied by plant, buildings, residential, welfare buildings and roads – 0.131 Ha. Mineral storage - 0.173 Ha.	Already exploited and abandoned by opencast (O-C) mining – 15.30 Ha. Occupied by plant, buildings, residential, welfare buildings and roads – 1.66 Ha. Mineral storage – 0.00 Ha.	Violation of rule – 45(7)
9d	Scrutiny of AR on afforestation	600Nos Survival Rate 72 %	600 Nos Survival Rate 72 %	
9e	Scrutiny of AR on mineral reject generation	No mineral reject generated	No mineral reject generated	
9f	Scrutiny of AR on ROM stock and/or graded ore	ROM stock – 0.00 Tons Grade Ore – Chemical Grade - 18550.347 – Closing Stock Cement Grade - 8452.515 Closing stock	ROM stock – 0.00 Tons Grade Ore – Chemical Grade - 18550.347 – Closing Stock Cement Grade - 8452.515 Closing stock	
9g	Scrutiny of AR on sale value, Ex. Mine price/ & production cost	Ex Mine Price Chemical Grade – Rs.375.00 Cement Grade – Rs. 269.00 / Tons	Ex Mine Price Chemical Grade – Rs.375.00 Cement Grade – Rs. 269.00 / Tons	
9i	Scrutiny of AR on fixed assets	Rs. 1327000.00	Rs. 1327000.00	
9k	Scrutiny of Annual return on mining machineries	Surface Mines, Dumper, Water Tanker, Dozer	Surface Mines, Dumper, Water Tanker, Dozer	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - Presently mine was inspected for Star Rating inspection. Violation under provision of Rules 45(5) Read with 45(7), pointed out. Star Rating validation done (3Star).

Naman Ekka  
SMG