

## MCDR INSPECTION REPORT

### 1.0 GENERAL

SN	Particulars	Details
1 (a)	Name of the Mine	Inaj Limestone Mine
1(b)	Name of Inspecting Officer & Designation	G.Ram, DCOM
1(c)	Accompanying Mines Representatives	Mr Arjun Singh
1(d)	Type of Inspection	MCDR-Star Rating
1(e)	Date of Inspection	13.5.2022 AN
2	Total Lease Area (Ha), Non-forest and forest land	8.09 ha (Non Forest Land/58/p)
3	Mine Code	38GUJ08256
4	IBM Registration Number under rule 45 of MCDR	IBM/366/2011
5	Name of the lessee, Address, phone, email and fax number	M/s D.C.W Limited, PO-Dhangadhara, Distt-SurendraNagar-363310 Guj.,9328481501, Email = <a href="mailto:dcw_minesoffice@yahoo.com">dcw_minesoffice@yahoo.com</a>
6	Village	Inaj
7	Taluka/Mandal	Veraval
8	District	Gir-Somnath
9	Pin code	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	12 <sup>th</sup> April 1973
15	Date of Execution	13 <sup>th</sup> September 1973, Expiry- 31, March, 2030
16	Date of opening of Mine	---
17	Date of first Renewal, if applicable and its period & expiry	NA
18	Date of second Renewal, if applicable, 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	Dr BR Singhvi, M/s D.C.W Limited, PO-Dhangadhara, Distt-SurendraNagar-363310 Guj.,9328481501, Email = <a href="mailto:dcw_minesoffice@yahoo.com">dcw_minesoffice@yahoo.com</a>
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Dr BR Singhvi, M/s D.C.W Limited, PO-Dhangadhara, Distt-SurendraNagar-363310 Guj.,9328481501, Email = <a href="mailto:dcw_minesoffice@yahoo.com">dcw_minesoffice@yahoo.com</a>
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Sh ArjunSingh, M/s D.C.W Limited, PO-Dhangadhara, Distt-SurendraNagar-363310 Guj.,9382481520, Email = <a href="mailto:dcw_minesoffice@yahoo.com">dcw_minesoffice@yahoo.com</a>
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Sh PN Kholiya, BE(Mi) M/s D.C.W Limited, PO-Dhangadhara, Distt-SurendraNagar-363310 Guj.,9382481520, Email = <a href="mailto:dcw_minesoffice@yahoo.com">dcw_minesoffice@yahoo.com</a> , WEF05.9.2017
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties	Geologist not appointed, VL pointed out under rule 55(1)(3)
25	Date of Approval of MP/MMP with five-year period, specific condition in approval letter, if any.	682(23)(350)/2006/KHANIKHAS(N)/UDP Dated 20/6/2013
26	Date of Approval of SOM with five-year period and specific condition in approval letter, if any.	684(4)(1)/MP-192/2018, MDRD/(UDP)/GNR Dated 28 <sup>th</sup> Jan 2019 for 2018-19 to 2022-23.
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)	Mechanised
30	Captive/Non Captive	Captive

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

### Exploration

SN	Item	Proposals (2021-22)	Actual work	Remarks
1a	Backlog of previous year	Not Proposed	Not done	
1b	Exploration over lease area for Geological axis 1 or 2.	G1-5.87Ha, G2-2.22Ha		
1c	Exploration Agency & Expenditure in lakh Rs in yr.	Not Proposed	As per Proposal	
1d	Balance area to be explored in Geological axis in 1/ 2	Not Proposed	As per proposal	
1e	Balance reserves as on 01.04.2021.	Reserves-111,121&122-407835T		
1f	General remarks of inspecting officer on geology, exploration etc.	Entire lease area is explored in past, hence not proposed & done.		

## 2.0 Development

SN	Item	Proposals (2021-22)	Actual work	Remarks
2a	Location of development w.r.t. lease area	Block No.B	Block-A & B	Due to legging in plan period
2b	Separate benches in topsoil, overburden and mineral	Not Proposed	NIL	
2c	Stripping ratio or ore to OB ratio	1:0	1:0	
2d	Quantity of topsoil generation in m3	Not Proposed	NIL	
2e	Quantity of OB generation in m3	Not Proposed	NIL	
2f	General remarks of I/officer on development of pit w.r.t. type of deposit	Lease area is developed by mine pit with irregular shape & size.		

## 3.0 Exploitation

SN	Item	Proposals (2021-22)	Actual work	Remarks
3a	Number of pits proposed for production	04 Pits, as proposed	04 pit	Excess ROM done, VL pointed out
3b	Quantity of ROM mineral production proposed	30,000	31750T	
3c	Recovery of salable/usable mineral from ROM	98 %	100%	
3d	Quantity of mineral reject generation	02 %	NIL	
3e	Grade of mineral reject generation and THV 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	Manual/Mech.	NIL	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	NIL	
3j	Provision of drilling & blasting in mineral benches	Not Proposed	As per Proposal	
3k	Provision of mining machineries in mineral benches	Excavator,JCB, tipper	As per proposal	
3l	Height of benches in OB/ mineral suitable for method of mining proposed in MP/SOM	Bench Height – 6 mt	3 mt in Ore	
3m	Total area covered under excavation/pits	---	About 4.1912Ha	
3n	Ore to OB ratio for the pit/mine in year	No OB to be generated	NIL	
3o	Total area put in use under different heads at end of yr.	---	4.1912 ha	
3p	Production of ROM mineral during last five-year period, as applicable	2017-18 – 30110T 2018-19 – 7504 T 2019-20- 30000T 2020-21- 30000T 2021-22- 30000T	2017-18 – 7365T 2018-19 – 3030T 2019-20- 0T 2020-21- 42255T 2021-22-31750T	VL pointed for excess ROM done
3q	General remarks of I/ officer on method of mining etc.	NIL		

## 4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2021-22)	Actual work	Remarks	
4a	Separate dumping of topsoil, OB & mineral reject	Not Proposed	Nil	NIL	
4b	Location of topsoil, OB & mineral reject dumps	Not Proposed	Nil		
4c	Number of dumps within lease area and outside lease	Not Proposed	Nil		
4d	Location of dumps w.r.t. ultimate pit limit	Not Proposed	Nil		
4e	Number of active & alive dumps	Not Proposed	Nil		
4f	Number of dead dumps	Not Proposed	Nil		
4g	Number of dumps stabilised	Not Applicable	Nil		
4h	Whether Retaining wall/ garland drain all along dumps	Not Applicable	Nil		
4i	Length of Retaining wall/ garland drain all along dump	Not Applicable	Nil		
4j	Number of settling ponds	Not Applicable	Nil		
4k	Specific comments of inspecting officer	NIL			

## 5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2021-22)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not Proposed	Nil	NIL
5b	Area under backfilling of mined out area	Not Proposed	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	Not Proposed	Nil	
5d	Total area fully reclaimed & rehabilitated	Not Proposed	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	NIL		

### 6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2021-22)	Actual work	Remarks
6a	Whether Annual report on PMCP-2020-21 submitted on time and correctly - Rule 26(2)	Not Submitted. Violation of rule 26(2) has been pointed out to lessee.		
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 yr	Not Proposed	NIL	
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	Not Proposed	NIL	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Plantation - 0.015 ha Proposed – 105no	Plantation - 0.015 ha Proposed – 100 no	Poor survival
6e	Compliance of Env. monitoring (core & buffer zone)	Proposed		
6f	General remarks of I/O on PMCP compliance etc.	Violation of rule 26(2) has been pointed out.		

### 7.0 Mineral Conservation

SN	Item	Proposals (2021-22)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within ML	Not Proposed	As per proposal	NIL
7b	Method of grade-wise mineral sorting i.e. manual/ mech.	Not Proposed	As per proposal	
7c	Different grade of mineral sorted out at mines	Not Proposed	As per proposal	
7d	Any beneficiation process at mines	Not Proposed	As per proposal	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	NIL		

### 8.0 Environment

SN	Item	Proposals (2021-22)	Actual work	Remarks
8a	Separate removal and utilization of topsoil	Not Proposed	As per proposal	NIL
8b	Concurrent use or storage of topsoil	Not Proposed	As per proposal	
8c	Separate dumps for overburden, waste, rejects and fines	Not Proposed	As per proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	As per proposal	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc.)	Not Proposed	As per proposal	
8f	Baseline information on existence of plantation & additional plantation done	Proposed	Not as per proposal	
8g	Survival rate	----	50 %	
8h	Water sprinkling on roads to control airborne dust	Not Proposed	As per proposal	
8i	General remarks of I/O on aesthetic beauty around mines	NIL, The environment in & around the mine is good.		

### 9.0 Compliance of Rule 45

S.N	Item	COMMENTS		Remarks
	Status of submission of Monthly and Annual returns	MR/AR-submitted 2020-21 (24.6.21) is submitted.		
S.N	Item	Details GIVEN (A.R)	Obs. of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per given in AR	Scrutiny of AR-2020-21 done & deficiencies pointed out to lessee.	VL under rule 45(7) pointed out.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.			
9d	Scrutiny of Annual return on afforestation			
9e	Scrutiny of Annual return on mineral reject generation			
9f	Scrutiny of Annual return on ROM stock			
9g	Scrutiny of AR on sale value, Ex. Mine price & Cost			
9i	Scrutiny of Annual return on fixed assets			
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. Presently violation of 11(1), 26(2), 27(1) & 27(2), 33, 45(7), 55(1) © (ii) pointed out for rectification. Star rating (03 star) validation done.

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