

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/SRH-8/LIM-8

Mine code : 38RAJ24007

- (i) Name of the Inspecting : **DJ03**) **DILIP JAIN**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sri Rahul Goyal, Signatory authority and Sri C.K. Cho
Official with
Designation
- (iv) Date of Inspection : 16-DEC-22
- (v) Prev.inspection date : 13-MAR-20

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **WATERA 54/11**
- (b) **Registration NO.** : **IBM/15616/2013**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : RAJASTHAN
District : SIROHI
Village : WATERA
Taluka : PINDWARA
Post office : WATERA
Pin Code :
FAX No. : 02742232050
E-mail : Cement.acl@gmail.com
Phone : 8238057498
- (f) Police Station : Rohida
- (g) First opening date : 24-SEP-13
- (h) Weekly day of rest : SUN
2. Address for : Near sales tax check post, National High Way 27,
correspondance : Amirgarh City, Palanpur,
Disstt.- Banaskantha (Gujrat)- 385130
3. (a) Lease Number : RAJ5030
- (b) Lease area : 4.71
- (c) Period of lease : 50
- (d) Date of Expiry : 29-DEC-63
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : MAHARAJA INTERNATIONAL UNIT OF PAVAN
 SALE TAX CHECKPOINT NH-14,
 AMIRGADH CITY PALANPUR
 BANASKANTHA GUJARAT
 Phone:
 FAX :

Owner : Sri Surendra Kumar Mittal
 Near Sales check post
 Highway no-14, Post-
 Amirgarh Dist: Banskantha
 (Gujrat)-385130 BANASKANTHA
 GUJARAT
 Phone:
 FAX :

Agent : NONE
 NONE NONE NONE JHALAWAR
 RAJASTHAN
 Phone:
 FAX :

Mining Engineer

Name : Sri Kirtesh Choudhary, Full Time
 Qualification : BE (Mining)
 Appointment/ : 11-DEC-22
 Termination date

Geologist

Name : Sri. C.K. Choudhary, Full Time
 Qualification : M.Sc. Geology
 Appointment/ : 11-DEC-22
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining : MP review under 17(1) MCR 2016 27-MAR-18

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	A total of 17 BHs with 694 meters of drilling was proposed during previous year 2019-20 and 2020-21.	No exploratory work during previous year 2019-20 and 2020-21.	Violation or rule 11(1) of MCDR, 2017 issued.
1b	Exploration over lease area for geological axis 1 or 2	No proposal of exploration for reporting year (RY) 2021-22.	No exploration during the reporting year (RY) 2021-22.	NIL.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal.	Not applicable.	NIL.
1d	Balance area to be explored to bring Geological axis in 1 or 2	4.71 Hectare area proposed to bring under G1 level of exploration.	4.71 Hectare area yet to explore under G1 level of exploration.	NIL.
1e	Balance reserve as on 01/04/20	As per approved document dated 27/03/2018, the position of reserve and resource was 1.18 and 1.35 million tons respectively.	The position of reserve and resource as on 01/04/2022 was 1.18 and 1.35 million tons respectively.	Depletion of 270.00 tons.
1f	General remarks of inspecting officers on geology, exploration etc	No proposal of exploration for reporting year (RY) 2021-22. A total of 17 BHs with 694 meters of drilling was proposed during previous year 2019-20 and 2020-21.	No exploration work, Violation or rule 11(1) of MCDR, 2017 issued.	Entire lease area yet to explore under G1 level of exploration.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Development was proposed between the grids S140 to S250/W55 to W175.	No development activity during RY.	NIL.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal of top soil generation. Inter burden was proposed to generate.	Not applicable as no developmental activity during RY.	NIL.
2c	Stripping ratio or ore to OB ratio	1:0.25 T/T	NIL as no developmental activity during RY.	NIL.
2d	Quantity of topsoil generation in m3	No proposal of top soil generation.	Top soil not generated as no mining activity during RY.	NIL.
2e	Quantity of overburden generation in m3	20000 tons.	NIL as no developmental activity during RY.	NIL.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Opencast method of development has been proposed.	No mining activity during RY.	Development method proposed is suitable for the kind of deposit.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One.	One.	NIL.
3b	Quantity of ROM mineral production proposed	100000 tons.	NIL.	No mining activity due to CVID 19 pandemic and local issues.
3c	Recovery of sailable/usable mineral from ROM production	80000 tons.	NIL.	No mining activity due to CVID 19 pandemic and local issues.
3d	Quantity of mineral reject generation	No proposal of Mineral rejects generation.	No mineral Reject generation.	NIL.

3e	Grade of mineral rejects generation and threshold value declared.	Not applicable as no proposal of Mineral rejects generation.	Not applicable.	NIL.
3f	Quantity of sub grade mineral generation.	No proposal of sub-grade generation.	No sub-grade has been generated.	NIL.
3g	Grade of sub grade mineral generation	Not applicable as no proposal of sub-grade generation.	Not applicable.	NIL.
3h	Manual / Mechanised method adopted for segregating from ROM	Manual Sorting or screening to separate dust from mineral.	No work during RY.	NIL.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Not applicable.	NIL.
3j	Provision of drilling and blasting in mineral benches	Drilling by Jack hammer of 32 mm dia.	NIL as no drilling activity during RY.	NIL.
3k	Provision of mining machineries in mineral benches	Excavator and Dumper.	Not applicable as no mining activity during RY.	NIL.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of the benches has been proposed to 4 meter.	Existing bench height was around 4.0 meters.	NIL.
3m	Total area covered under excavation/pits	2.20 hectare.	1.77 hectare.	Less area degradation is due to limited period of mining activity.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.25 T/T	NIL as no developmental activity during RY.	NIL.
3o	Total area put in use under different heads at the end of year	2.80 Hectare.	1.78 Hectare.	Less area degradation is due to limited period of mining activity.

3p	Production of ROM mineral during the last five year period as applicable	2017-18: 100000 tons 2018-19: 100000 tons 2019-20: 100000 tons 2020-21: 100000 tons 2021-22: 100000 tons	2017-18: NIL. 2018-19: NIL. 2019-20: 270 Ton 2020-21: NIL. 2021-22: NIL.	NIL.
3q	General remarks of inspecting officers on method of mining etc.	Opencast method of Mining has been proposed.	No major mining activity in lease area by lessee. However, various old pits observed in lease area.	Method of mining proposed is suitable for the type of deposit.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal of top soil and mineral reject generation. Waste (IB) proposed to dump separately.	Top soil, mineral reject and waste is not generated during RY.	NIL.
4b	Location of topsoil, OB and mineral reject dumps	Waste (IB) proposed to dump near boundary pillar A.	No waste (IB) generation during reporting year.	NIL.
4c	Number of dumps within lease area and outside of lease area	Within lease area: 01 Outside lease area: NIL.	Within lease area: 01 Outside lease area: NIL.	NIL.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL.	Within UPL.	Being a small ML area dumping proposed within UPL.
4e	Number of active and alive dumps.	One.	One.	NIL.
4f	Number of dead dumps.	No proposal.	Not applicable.	NIL.
4g	Number of dumps established.	No proposal.	Not applicable.	NIL.
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal.	Not applicable.	NIL.

4i	Length of Retaining wall or garland drain all along dumps	No proposal during RY.	Not applicable.	NIL.
4j	Number of settling ponds	No proposal.	Not applicable.	NIL.
4k	Specific comments of inspecting officer on waste dump management	No proposal of top soil and mineral reject generation. Waste (IB) proposed to dump separately.	Top soil, mineral reject and waste is not generated during RY.	No waste dumping and top soil stacking during RY as no mining activity during RY.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposal on part or full extraction of mineral.	Not applicable as no proposal.	NIL.
5b	Area under backfilling of mined out area	No proposal.	Not applicable.	NIL.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal of top soil generation.	No top soil has been generated.	NIL.
5d	Total area fully reclaimed and rehabilitated	No proposal.	Not applicable.	NIL.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposal of backfilling.	NIL.	No area matured for backfilling.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	As per rule 26 of MCDR, 2017 holder of mining lease shall submit PMCP before 1st day of July every year.	PMCP report for the year 2021-22 was not submitted.	Violation of rule 26(2) of MCDR, 2017 issued.
6b	Area available for rehabilitation (ha) .	No proposal.	Not applicable.	NIL.
6c	afforestation done (ha).	0.02 hectare.	No afforestation during RY.	Violation of rule 11(1) of MCDR, 2017 issued.
6d	No. of saplings planted during the year	50 nos.	NIL.	Violation of rule 11(1) of MCDR, 2017 issued.
6e	Cumulative no .of plants	No specific proposal.	Not applicable.	NIL.
6f	Any other method of rehabilitation	No proposal.	Not applicable.	NIL.
6g	Cost incurred on watch and care during the year	No proposal.	Not applicable.	NIL.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal of backfilling.	Not applicable.	NIL.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal of backfilling.	Not applicable.	NIL.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal of backfilling.	Not applicable.	NIL.

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal of backfilling.	Not applicable.	NIL.
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal.	Not applicable.	NIL.
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	50 nos.	NIL.	Violation of rule 11(1) of MCDR, 2017 issued.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	0.02 hectare.	No afforestation during RY.	Violation of rule 11(1) of MCDR, 2017 issued.
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Plantation.	No plantation during RY.	Violation of rule 11(1) of MCDR, 2017 issued.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed for monitoring of environment parameter.	No monitoring during RT due to no mining activity.	NIL.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Plantation work proposed over 0.02 hectare with 50 numbers of saplings.	No plantation during RY.	Violation of rule 11(1) of MCDR, 2017 issued.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Cement grade and waste.	NIL as no mining activity during RY.	NIL.

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual Sorting or screening to separate dust from mineral.	No work during RY.	NIL.
7c	Different grade of mineral sorted out at mines.	Cement grade and waste.	No mining activity during RY.	NIL.
7d	Any beneficiation process at mines .	No proposal.	Not applicable.	NIL.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	ROM proposed to use after manual Sorting or screening.	No mining activity during RY.	No issue related to Mineral conservation observed as no mining activity during RY.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of top soil generation.	Not applicable.	NIL.
8b	Concurrent use or storage of topsoil	No proposal of top soil generation.	Not applicable.	NIL.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping of waste and mineral.	No production of mineral and waste during RY.	NIL.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Not applicable.	NIL.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	Not applicable.	NIL.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 nos.	NIL.	Violation of rule 11(1) of MCDR, 2017 issued.
8g	Survival rate	70%	Not applicable as no planation during RY.	NIL.
8h	Water sprinkling on roads to control airborne dust	No proposal.	Not applicable.	NIL.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Plantation work proposed over 0.02 hectare with 50 numbers of saplings.	No plantation during RY.	Violation of rule 11(1) of MCDR, 2017 issued.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	As per rule 45 of MCDR, 2017 monthly and annual returns to be submitted.	Annual and Monthly returns for RY have been submitted.	NIL.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information of mining engineer and geologist were not provided.	Mining engineer and geologist have been appointed.	NIL.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Information of land use has been furnished.	Appears to be in order.	NIL.

9d	Scrutiny of Annual return on afforestation	NIL.	No afforestation during RY.	NIL.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Mineral Reject: NIL	No mineral reject generation as no mining activity during RY.	NIL.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM: NIL Cement Grade: 46.24 tons	Appears to be in order.	NIL.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value: NIL Cost of production: Rs. 175/ton.	Cost of production has been furnished whereas no development/production during RY.	Violation of rule 45(7) of MCDR, 2017 issued.
9h	Scrutiny of Annual return on fixed assets	Fixed asset: NIL	No fixed asset observed.	NIL.
9k	Scrutiny of Annual return on mining machineries	No mining machinery during RY.	Appears to be in order.	NIL.

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	12-JAN-23			
MCDR17	Rule 45(7) (a)	12-JAN-23			

Date :

(DILIP JAIN)

Indian Bureau of Mines