

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

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/DHAR/LIMESTONE/70

Mine code : 38MPR12085

- (i) Name of the Inspecting : **SQ23**) **SANDEEP KUMAR SINGH**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Shri Sanjay Khandelwal (Lease Holder) & Shri Manoj Ku
Official with
Designation
- (iv) Date of Inspection : 29-DEC-21
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SITAPURI LIMESTONE MINE (**
- (b) Registration NO.** : **IBM/6845/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : DHAR
Village : SITAPURI
Taluka : MANAWAR
Post office : AWALDAMAN
Pin Code : 454446
FAX No. :
E-mail : ljcmawar@gmail.com
Phone : 9893540841
- (f) Police Station :
- (g) First opening date : 12-JUL-20
- (h) Weekly day of rest : SUN
2. Address for : 138/G, VALLABH BHAI PATEL MARG, WARD NO. -3,
correspondance MAIN DHAR ROAD, MANAWAR, DISTRICT DHAR - 454446
3. (a) Lease Number :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : SHRI HARISH KHANDELWAL
138/G, VALLABH BHAI PATEL
MARG, WARD NO. - 3, MAIN
DHAR ROAD, MANAWAR, DHAR -
454446 DHAR MADHYA PRADESH
Phone:09893540841
FAX :

6. Date of approval of Mining :
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20		111-677300 T 221-205370 T	As per last approved plan
1f	General remarks of inspecting officers on geology, exploration etc			As per last approved plan resources & reserves are assessed in G1 level.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In south	Done north	Violation issued
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	In top soil, coralline L/S & Nodular Limestone	In soil coralline/ Nodular	
2c	Stripping ratio or ore to OB ratio	1:0.25	1:0.20	
2d	Quantity of topsoil generation in m3	400 M3	325 M3	

2e	Quantity of overburden generation in m3	1600 M3	1400 M3	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Working is done in year 2020-21. In north instead of south of lease. Voilation is issued for same.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	pit made in wrong place. violation issued
3b	Quantity of ROM mineral production proposed	20000 T	18362 T	
3c	Recovery of sailable/usable mineral from ROM production	20000 T	18362 T	
3d	Quantity of mineral reject generation	NP	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	NP	NIL	
3f	Quantity of sub grade mineral generation.	NP	NIL	
3g	Grade of sub grade mineral generation	NP	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	NP	NIL	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NP	NIL		
3j	Provision of drilling and blasting in mineral benches	Proposed	done		
3k	Provision of mining machineries in mineral benches	No loading equipment, manual	manual		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes, manual, 3 mtr	3 manual 3mtr suitable		
3m	Total area covered under excavation/pits	1.002 hect	.0650 hect		mines didnt work for many years
3n	Ore to OB ratio for the pit/mine during the year.	1:0.25	1:0.20		
3o	Total area put in use under different heads at the end of year	1.4 hect	.150 hect		
3p	Production of ROM mineral during the last five year period as applicable	2017-18 20000 2018-19 20000 2019-20 20000 2020-21 20000 T	2017-18 nil 2018-19 nil 2019-20 nil 2020-21 18362 T 21-22:5350 (with out plan)	violation issued for working without plan in 21-22	

3q	General remarks of inspecting officers on method of mining etc.	No working is done for last many year for want of EC.working done in year 20-21.(last year of plan). Working is done in year 2021-22 without a valid plan. Violation pointed out.
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Top soil & waste	topsoil and waste	stacked at barrier as per plan.
4b	Location of topsoil, OB and mineral reject dumps	on mine barrier	Mine barrier	
4c	Number of dumps within lease area and outside of lease area	on mine barrier	one	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	on mine barrier	one	
4e	Number of active and alive dumps.	-	one	
4f	Number of dead dumps.	NA	NA	
4g	Number of dumps established.	On barrier	one	
4h	Whether Retaining wall or garland drain all along dumps are there.	NP	NIL	
4i	Length of Retaining wall or garland drain all along dumps	NP	NIL	

4j	Number of settling ponds	NP	NIL	
4k	Specific comments of inspecting officer on waste dump management			Proposal to stack on barrier. But mines not operated for many years because of EC and is operated in year 2020-21. The waste and soil is used to make barrier on barrier.

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	nil	New Mine, no area matured
5b	Area under backfilling of mined out area	No proposal	nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	nil	
5d	Total area fully reclaimed and rehabilitated	No proposal	nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			New mines, No area matured.

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).	-	Not submitted	Violation issued
6b	Area available for rehabilitation (ha) .	No proposal	nil	
6c	afforestation done (ha).	No proposal	nil	
6d	No. of saplings planted during the year	No proposal for mined out benches	nil	
6e	Cumulative no .of plants	No proposal for mined out benches	nil	
6f	Any other method of rehabilitation	No proposal for mined out benches	nil	
6g	Cost incurred on watch and care during the year	No proposal for mined out benches	nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal for backfilling	nil	no area matured
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal for backfilling	nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal for backfilling	nil	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal for backfilling	nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal for backfilling	nil	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	25 plants	nil	on barrier plantation is not done. Violation issued.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	200 sqm	nil	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	-	-	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Planned	done	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			The mines is in operation in year 2020-21. For previous years it has not worked.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM	ROm is sent	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	ROM is dispatched no grade sorting ,not proposed	Nil	
7c	Different grade of mineral sorted out at mines.	not proposed	nil	
7d	Any beneficiation process at mines .	not proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			ROM is dispatched to cement plants.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Planned	done	
8b	Concurrent use or storage of topsoil	Concurrent	Concurrent	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Waste rock	Done	On mine barrier.

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not planned	Nil	New mine
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not planned	Nil	New mine
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Baseline Nil 25 Nos.	Nil	New Mine Not done
8g	Survival rate	NP	Nil	
8h	Water sprinkling on roads to control airborne dust	Planned	Done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Barrier plantation is not done. Violation is issued.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual return not submitted in time.		Violation issued.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not appointment		Violation issued.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details not given		violation issued for land use. Details of explosive used.
9d	Scrutiny of Annual return on afforestation		20 Nos.	Not seen
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil		
9f	Scrutiny of Annual return on ROM stock and/or graded ore		Stock = 631.960 Cement grade	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		Sale Value - 350 Rs approx. Ex-mine - 310 Rs.	
9h	Scrutiny of Annual return on fixed assets		Not given	Voilation issued
9k	Scrutiny of Annual return on mining machineries		Given : Tipper 10 T	Provided

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)	31-JAN-22			
MCDR17	Rule 55(1) (3)	31-JAN-22			
	Rule 45(5)	31-JAN-22			
MCDR17	Rule 35(1)	31-JAN-22			

Date :

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines