

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

Review and updation of Mining Plan REPORT

Nagpur regional office

Mine file No : MP/DHR.LST-52/NGP

Mine code : 38MPR12067

- (i) Name of the Inspecting : **SQ32**) **SANDEEP KUMAR SINGH**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 29-DEC-21
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BALWARIKALA (6.309 HA.)**
- (b) **Registration NO.** : **IBM/6845/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : DHAR
Village : BALWARIKALA
Taluka : GANDHWANI
Post office : GANDHWANI
Pin Code : 454446
FAX No. :
E-mail : ljcmawar@gmail.com
Phone : 9893540841
- (f) Police Station : Manawar
- (g) First opening date :
- (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
3. (a) Lease Number : MPR2122
- (b) Lease area : 4.9
- (c) Period of lease : 50
- (d) Date of Expiry : 26-DEC-52
4. Mineral worked : LIMESTONE Main

5. Name and Address of the
Lessee : SHRI SANJAY R KHANDELWAL
PO MANAWAR DISTRICT : DHAR
DHAR MADHYA PRADESH
Phone:
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	/NIL	NIL	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	nil	nil	area to be explored in G1.proposal sought in submitted mine plan.
1e	Balance reserve as on 01/04/20		122:2,23,125 T 222-7500T 333-3,33,125 T	AS PER LAST PLAN
1f	General remarks of inspecting officers on geology, exploration etc			The area has coralline & nodular limestone upto 8.5 mtr as exposed in pit. coralline limestone is upto 1 mtr and nodular is upto 8-10 mtr. the area belongs to bagh formation. The nodular limestone occur as inlien with in basalt trap.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In north of lease	no work	E-497100-240 N-2479150-100

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	In coralline & nodular L/S top soil will be separated	no work
2c	Stripping ratio or ore to OB ratio	1:0.04	No work done
2d	Quantity of topsoil generation in m3	910 M3	No work done
2e	Quantity of overburden generation in m3	1820 M3	No work done
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		There was proposal to stack coralline as subgrade. Manual mining is planned. Bench of 3 mtr are planned over entire area. Old benching and pit are seen upto 322 to 316 mRL in north quarry in north lease.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	no working in 2020-21
3b	Quantity of ROM mineral production proposed	44,000	nil	
3c	Recovery of sailable/usable mineral from ROM production	yes	nil	
3d	Quantity of mineral reject generation	2200T	Nil	

3e	Grade of mineral rejects generation and threshold value declared.	below threshold	not done	
3f	Quantity of sub grade mineral generation.	7656 M3	Not done	Nil
3g	Grade of sub grade mineral generation	High grade Cao 45%	no work	not marketable
3h	Manual / Mechanised method adopted for segregating from ROM	manual	no work	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	not planned	not done	
3j	Provision of drilling and blasting in mineral benches	proposed	not done	
3k	Provision of mining machineries in mineral benches	not planned/only tipper manual mining	not done	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	manual op. 3 mtr ht	suitable for manual working	
3m	Total area covered under excavation/pits	0.8656 hect.	.1 hect	no working done in last 4 year for EC.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.04	no work	T:M3
3o	Total area put in use under different heads at the end of year	1.3550 Hect.	0.1300 hectare	no working till 20-21.working started in year 21-22.

3p	Production of ROM mineral during the last five year period as applicable	2018-19 23925 2019-20 48800 2020-21 60500 2021-22 44000	2018-19 nil 2019-20 nil 2020-21 nil 2021-22 6070 upto Dec 21		ROM
3q	General remarks of inspecting officers on method of mining etc.				Manual mining planned with 3 mtr bench. Manual loading with jackhammer drilling . A small pit in north is observed. Mine is not operated for last many years upto 2020-21. Violation issued.

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	nil	stacked on border/barrier
4b	Location of topsoil, OB and mineral reject dumps	7.5 mtr barrier/for soil and coralline limestone	no work in review year	proposal to deposit all along barrier
4c	Number of dumps within lease area and outside of lease area	along boundary	no work.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	on barrier	no work	outside UPL.
4e	Number of active and alive dumps.	Along barrier	nil	
4f	Number of dead dumps.	nil	nil	
4g	Number of dumps established.	along western barrier	no work done in review year.	

4h	Whether Retaining wall or garland drain all along dumps are there.	not proposed	nil	no dump
4i	Length of Retaining wall or garland drain all along dumps	not proposed	nil	no dump
4j	Number of settling ponds	not proposed	no work done	
4k	Specific comments of inspecting officer on waste dump management			no work done in lease done for want of EC upto RY 2020-21. Mines has worked in year 2021-22 but very less. No dumps are seen.

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	NA	barrier deposition planned
5b	Area under backfilling of mined out area	not in RY	Not done	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	not planned	not done	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Mine has not worked for most time ofplan ie. last 4 years. No significant reclamation work planned as no area matured.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).		No ,mine was not working in 2020-21	
6b	Area available for rehabilitation (ha) .	no proposal for mined out benches	NA	
6c	afforestation done (ha).	no proposal for mined out benches	NP	
6e	Cumulative no .of plants	no proposal for mined out benches	NP	
6f	Any other method of rehabilitation	no proposal for mined out benches	NP	
6g	Cost incurred on watch and care during the year	no proposal for mined out benches	NP	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	no proposal	NP	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	no proposal	NP	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	no proposal	NP	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	no proposal	NP	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	no proposal	NP	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	20 Nos.	nil	Mines was not in operation for want of EC in RY 20-21.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Greenbelt	Nil	Mines was not in operation for want of EC in RY 20-21.
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	200 M2	nil	Mines was not in operation for want of EC in RY 20-21.
6p	Compliance of environmental monitoring (core zone and buffer zone)	planned	not done	Mines was not in operation for want of EC in RY 20-21.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Mine has not operated for not having EC upto 2020-21

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	mine not working	After clearing IB/clay
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	ROM	mine not working in RY	ROM
7c	Different grade of mineral sorted out at mines.	Cement grade	mine not working in RY	
7d	Any beneficiation process at mines .	Not planned	nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Mine was not in operation in FY 2020-21 for want of EC.in current year ROM is sent .

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	not done	
8b	Concurrent use or storage of topsoil	store & use	not done	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	For O/B & waste rock	not done	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	not planned	not observed	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	base line-not given 20 plants on 200 M2 area	not observed	
8g	Survival rate	not given	not observed	
8h	Water sprinkling on roads to control airborne dust	planned	not done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Mine was not in operation upto FY-2020-21. no work done under any head..

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		not submitted monthly returned, annual return submitted.	violation is given.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not given		Violation issued.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	not given		violation pointed out.

9d	Scrutiny of Annual return on afforestation	details not given.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	nil/	mines was not operated in year 2020-21
9f	Scrutiny of Annual return on ROM stock and/or graded ore	No production in yr closing stock 773.410 T	Ex-mine price = 224 T
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Not given	mines not running
9k	Scrutiny of Annual return on mining machineries	given	tippler manual mining, 1 Nos.

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

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	31-JAN-22			
MCDR17	Rule 28(1)	31-JAN-22			
MCDR17	Rule 29	31-JAN-22			
MCDR17	Rule 55(1) (3)	31-JAN-22			
	Rule 45(5)	31-JAN-22			

Date :

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines