

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/STN/LST-176

Mine code : 38MPR35222

- (i) Name of the Inspecting : **SQ23**) **SANDEEP KUMAR SINGH**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 26-DEC-19
- (v) Prev.inspection date : 18-MAR-17

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BHATURA**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : SATNA
Village : BHATURA
Taluka : MAIHAR
Post office :
Pin Code :
FAX No. : NA
E-mail : NA
Phone : NA
- (f) Police Station : BADERA
- (g) First opening date :
- (h) Weekly day of rest :
2. Address for : SHRI RAJESH KUMAR CHAUDHA
correspondance RAGHUNATH GANJ, KATNI (M.P.) 483501
3. (a) Lease Number : MPR0048
(b) Lease area : 2.74
(c) Period of lease : 20
(d) Date of Expiry : 31-JAN-14
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : RAJESH KUMAR CHAUDHA
RAGHUNATHGANJ KATNI
MADHYA PRADESH
Phone:N. A.
FAX :N. A.

Owner : RAJESH KUMAR CHADUHA
RAGHUNATH GANJ KATNI
MADHYA PRADESH
Phone: N. A.
FAX : N. A.

6. Date of approval of Mining	:	Renewal under rule 24 MCR1960	31-OCT-07
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	06-SEP-12
		Renewal under rule 24 MCR1960	25-JUN-14
		MP review under 17(1) MCR 2016	05-JAN-18

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	N/A	N/A	
1b	Exploration over lease area for geological axis 1 or 2	NA	NA	no proposal
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	NA	
1e	Balance reserve as on 01/04/20	Yes given	111 - 272210 211- 949637	
1f	General remarks of inspecting officers on geology, exploration etc			There are no proposal. Area is only 2.78hect. The limestone is associated with Rohtas limestone in semi group of Vindhyan super group.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E-465900 - 6100 N- 2663730-3850	As per mining sceme	As per proposal
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	As per mining scheme	
2c	Stripping ratio or ore to OB ratio	1:0.29	1:0.09	

2d	Quantity of topsoil generation in m3	4748 cu. m	nil cu. m	soil/top soil in plan.violation given.very less generation.
2e	Quantity of overburden generation in m3	1001 cu. m	632 cu. m	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Pit is developed with benching 3 mtr in waste, 5-6 mtr in L/S

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	50065t	18750t	
3c	Recovery of sailable/usable mineral from ROM production	100 %	100%	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	NIL	NIL	

3h	Manual / Mechanised method adopted for segregating from ROM	N/A	N/A
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	N/A	N/A
3j	Provision of drilling and blasting in mineral benches	YES	YES
3k	Provision of mining machineries in mineral benches	YES	YES
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES	YES
3m	Total area covered under excavation/pits	2.28 hect	1.50 hect
3n	Ore to OB ratio for the pit/mine during the year.	1:0.25	1:0.09
3o	Total area put in use under different heads at the end of year	1.88- working,minera lstore-.60- roads-.10	1.70-working,.10 -roads
3p	Production of ROM mineral during the last five year period as applicable	2014-15 34020 2015-16 39082 2016-17 50260 2017-18 39069 2018-19 50065	2014-15 27601 2015-16 38980 2016-17 24926 2017-18 38930 2018-19 18750
3q	General remarks of inspecting officers on method of mining etc.		Mechanised mining is done in benches.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	backfilling	used in backfilling	
4b	Location of topsoil, OB and mineral reject dumps	N/A	backfilling	
4c	Number of dumps within lease area and outside of lease area			
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	N/A	n/a	
4e	Number of active and alive dumps.	1	1	old dump
4f	Number of dead dumps.	0	0	
4g	Number of dumps established.	nil	nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	N/A	n/a	
4k	Specific comments of inspecting officer on waste dump management			There is no proposal for dump making.old dump will be removed in future as per plan.

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.	Old work out pit	Old work out pit.working done upto planned depth.	

5b	Area under backfilling of mined out area	4000sq. m	4000sq. m	filling in progress.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Yes	done	soil is used for backfilling spreading
5d	Total area fully reclaimed and rehabilitated	0.40	0.40	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Plantation have been raised on barrier of mines lease, office area, lease area

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).		not submitted. violation given.	
6b	Area available for rehabilitation (ha) .	NA	NA	
6d	No. of saplings planted during the year	0	200	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	4000 sq. m	4000 sq. m	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	YES	Partially. to be filled further.	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	N/A	NA	no proposal
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	N/A	N/A	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	NA	NA	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	NA	NA	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	NA	NA	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes monitoring	Complied	Monitoring of air, water etc

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Backgilling in mined out area in Mines is being done by waste and soil.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Mineral	ROM Mineral	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	
7d	Any beneficiation process at mines .	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			ROM Mineral is despatched by lessee

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	being done	Proposal is to utilize top soil
8b	Concurrent use or storage of topsoil	Yes	Yes	Concurrent waste used

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No	No	No dump are proposed
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes proposed	Being followed	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposed	being done	1600 Ton of waste and soil back filled
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Platation done	addittional Plantation done.350 nos.	
8g	Survival rate	-	80%	
8h	Water sprinkling on roads to control airborne dust	Yes Proposed	Being done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The area has lot of trees in office area and lease area grown upto good height

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	yes	yes.submitted.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not given		Violation given
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.			Details are given 1.5 hect in mining 1.0 hect for backfilling, 0.036 green belt utilization, .110 waste.
9d	Scrutiny of Annual return on afforestation	yes given,	350 in lease, 100 outside leases	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	Generation given	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	given	Grade ore stock 6738. 260 Tn	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine 290Rs cost of production 262 Rs sale value given	given	
9h	Scrutiny of Annual return on fixed assets	Not provided	Not provided	
9k	Scrutiny of Annual return on mining machineries	yes given	List of M/C given one dumper, 10 tipper	

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 55(1) (1	21-JUN-20				
MCDR17 Rule 11(1)	21-JUN-20				
MCDR17 Rule 26(2)	21-JUN-20				

Date :

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines