

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/KATNI/LST-146

Mine code : 38MPR18096

- (i) Name of the Inspecting : **SQ05**) **DEEPAK SHARMA**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 06-FEB-20
- (v) Prev.inspection date : 18-MAR-17

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **JAMUWANI**
- (b) **Registration NO.** : **IBM/19502/2015**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : KATNI
Village : JAMUWANI KHURD
Taluka : V.GARH
Post office : JAMUWANI
Pin Code :
FAX No. : NA
E-mail : pd_awasthi@rediffmail.com
Phone : 8458989480
- (f) Police Station : Kymore
- (g) First opening date : 09-SEP-83
- (h) Weekly day of rest : SUN
2. Address for : S/o Late LAL RAJENDRA SINGH BAGHEL
correspondance : VIJAYRAGHOGARH, KATNI (M.P.) 483775
3. (a) Lease Number : MPR0252
- (b) Lease area : 5.96
- (c) Period of lease : 10
- (d) Date of Expiry : 07-SEP-03
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : Arunesh Pratap singh
S/o Late Rajendra Singh
Baghel, P.O Vijairaghogarth
District Katni KATNI MADHYA
PRADESH
Phone:
FAX :

Owner : Arunesh Pratap singh
S/o Late Rajendra Singh
Baghel P.O.Vijairaghogarth
District Katni (MP)483775
KATNI MADHYA PRADESH
Phone:
FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	21-JUN-00
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	25-FEB-10
	:	Mining Scheme rule 12 MCDR1988	04-NOV-15
	:	MP review under 17(1) MCR 2016	03-APR-19

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	in the year 2019-20 it was proposed to drill 2 boreholes	driling was not done till the date of inspection	
1b	Exploration over lease area for geological axis 1 or 2	ML area explored upto G2 level	ML area explored upto G2 level	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Mentioned	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	5.958 hect needs to explored upto G1 level	5.958 hect needs to explored upto G1 level	
1e	Balance reserve as on 01/04/20	01.10.2018 122- 1773853.09 222-876600	as on 01.04.2019 122-1645253.09 222-876600	
1f	General remarks of inspecting officers on geology, exploration etc			Said exploration was not carried out, ML area belongs to vimdhyan super group rohtas formation of limestone, fine to medium grain, light to dark colored limestone hard and compact

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
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2a	Location of development w.r.t. lease area	Development was proposed in the central part of the lease area towards the eastern direction	excavation was as per the proposal, OB management was not done as per the proposal	for the deviation voilation were issued
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	proposed	separate bench in top soil and in mineral bench maintained	
2c	Stripping ratio or ore to OB ratio	1:0.43	1:0.50	
2d	Quantity of topsoil generation in m3	4725 cu m	Nil	deviation observed voilation issued issued under rule 11(1)
2e	Quantity of overburden generation in m3	19510 cu m	6430 cu m	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			workign was deviated from the proposed location and said exploration was not carried out

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	Single Pit working	
3b	Quantity of ROM mineral production proposed	147888 tonnes	128600 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	80%	80-85 %	
3d	Quantity of mineral reject generation	Nil	Nil	

3e	Grade of mineral rejects generation and threshold value 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 segregating from ROM	Mechanised Method Proposed	Screeners are being used for ROM segregation from IB
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Proposed	Nil
3j	Provision of drilling and blasting in mineral benches	proposed	on contract basis
3k	Provision of mining machineries in mineral benches	proposed	HEMM was used in mineral benches for excavation and transportation of mineral
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	suitable	as per approved mining plan
3m	Total area covered under excavation/pits	2.64 hect	2.35 hect
3n	Ore to OB ratio for the pit/mine during the year.	1:0.43	1:0.50
3o	Total area put in use under different heads at the end of year	4.705	3.54

3p	Production of ROM mineral during the last five year period as applicable	2015-16=11593 2016-17=113980 2017-18=109952 2018-19=100595 2019-20=147888	2015-16=0 2016-17=0 2017-18=0 2018-19=102756.910 2019-20=128600.00	units are in tonnes
3q	General remarks of inspecting officers on method of mining etc.			HEMM is being used in mineral benches, drilling and blasting is on contract basis, screeners are being used for segregation

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping proposed	dumping was done separately for OB/waste and top soil	
4b	Location of topsoil, OB and mineral reject dumps	OB/waste dump is proposed to be dumped in the extreme south portion of the lease area	OB waste dump located in the south corner of the ML area	
4c	Number of dumps within lease area and outside of lease area	one	one waste dump	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	outside the UPL	outside the UPL	
4e	Number of active and alive dumps.	one active dump	one waste dump is active	
4f	Number of dead dumps.	not proposed	nil	
4g	Number of dumps established.	not proposed	nil	

4h	Whether Retaining wall or garland drain all along dumps are there.	not proposed	Nil
4i	Length of Retaining wall or garland drain all along dumps	Not Proposed	Nil
4j	Number of settling ponds	Not Proposed	Nil
4k	Specific comments of inspecting officer on waste dump management		

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.	full extraction of the mineral is proposed	full extraction of the mineral is upto the UPD	
5b	Area under backfilling of mined out area	Not Proposed	full extraction of mineral not competed yet	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	proposed	generated soil is being used in plantation over the 7.5 meter barrier zone	
5d	Total area fully reclaimed and rehabilitated	not proposed	nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			full extraction of the mineral is under process no area is fully mature enough for the backfilling process

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).	Proposed	Not Submitted	Voilation issued for the same
6b	Area available for rehabilitation (ha) .	Not Proposed	Nil	
6c	afforestation done (ha).	Not Proposed	Nil	
6d	No. of saplings planted during the year	150 nos	150-200 over the barrier zone	
6e	Cumulative no .of plants	500	450-500 nos over barrier zone and on private land also	
6f	Any other method of rehabilitation	Not Proposed	Nil	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	grade wise sorting proposed	screeners are being used for grade wsie sorting	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical method	screeners are being used	
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

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	proposed	generated soil are being used in plantation over barrier zone	
8b	Concurrent use or storage of topsoil	proposed	in plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed	OB waste is being dumped separately	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	proposed	after full extraction of mineral	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	proposed	as per approved mining plan	
8g	Survival rate	80%	70%	
8h	Water sprinkling on roads to control airborne dust	proposed	with the use of water tanker	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	needs improvements
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted	Ar submitted upto 2020- 21 MR submitted upto Oct 2021	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	furnished	Manager D.P.BADHOLIA	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	furnished	Lease area (surface area) utilisation as at the end of year (hectares) Under forest Outside forest Total (i) Already exploited & abandoned by opencast (O/C) mining 0.000 0.000 0.000 (ii) Covered under current (O/C) Workings 0.000 1.500 1.500 (iii) Reclaimed/Rehabilitated 0.000 0.100 0.100 (iv) Used for waste disposal 0.000 0.110 0.110 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 0.000 0.000 (vi) Other Purpose (PLANTATION) 0.000 0.040 0.040 (vii) Work done under
9d	Scrutiny of Annual return on afforestation	furnished	(i) Number of trees planted during the year 300 100 (ii) Survival rate in percentage 80.00 70

9f	Scrutiny of Annual return on ROM stock and/or graded ore	furnished	<p>Grade-wise production, Despatches, Stocks and Ex-mine prices of Processed ore(LIMESTONE)</p> <p>Grades Opening stock at mine head (in tonne)</p> <p>Production (in tonne)</p> <p>Despatches from mine head (in tonne)</p> <p>Closing stock at mine head (in tonne)</p> <p>Ex-mine price (in . Per Tonne)</p> <p>(a) LD 0.000 0.000 0.000 0.000 0.00</p> <p>(b) SMS 0.000 0.000 0.000 0.000 0.00</p> <p>(c) Chemical 0.000 0.000 0.000 0.000 0.00</p> <p>(d) BF 19361.973 128600.000 121946.475 26015.498 290.00</p> <p>(e) Cement 0.000 0.000 0.000 0.000 0.00</p>
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	furnished	<p>ex mine price 290.00 INR</p> <p>cost of production 263.40 INR</p>
9h	Scrutiny of Annual return on fixed assets	furnished	<p>Value of Fixed Assets (inr) 245000</p>
9k	Scrutiny of Annual return on mining machineries	furnished	furnished

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

Date :

(DEEPAK SHARMA)

Indian Bureau of Mines