

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

**Review and updation of Mining Plan REPORT**

**Jabalpur regional office**

**Mine file No :** MP/SIDHI/LST/8

**Mine code :** 38MPR41005

- (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 : 29-MAY-19
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **BHUDHGAUNA (87.992)**
- (b) **Registration NO.** : **IBM/720/2011/DEH**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MADHYA PRADESH  
District : SIDHI  
Village : BHUDHGAUNA  
Taluka : RAMPUR NAIKIN  
Post office : BHARATPUR  
Pin Code : 486776  
FAX No. :  
E-mail :  
Phone :
- (f) Police Station : BHARATPUR
- (g) First opening date : 01-APR-16
- (h) Weekly day of rest : SUN
2. Address for :  
correspondance
3. (a) Lease Number : MPR2569
- (b) Lease area : 87.99
- (c) Period of lease :
- (d) Date of Expiry : 28-MAR-33
4. Mineral worked : LIMESTONE Main

5. Name and Address of the  
Lessee : JAIPRAKASH ASSOCIATES LTD.  
P.O. JAYPEE NAGAR, REWA  
MADHYA PRADESH  
Phone:N. A.  
FAX :N. A.
6. Date of approval of Mining : MP review under 17(1) MCR 2016 24-MAR-17  
Plan/Scheme of Mining

## 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 8 nos of boreholes were proposed to drill, and in the year 2018-19 5 nos of boreholes were proposed to drill	year 2018-19 exploration were not carried out by the lease holder, 2019-20 5 nos of boreholes were drilled and completed	the inspection was carried out for the modification submitted by lease holder from the year 2019-20 to 2021-22
1b	Exploration over lease area for geological axis 1 or 2	ML area is explored upto G1 level	potenstial mineralised area is explored upto G1 level bifurcation of the area is given below; G1-65.09 G2-0, G3-0 unexplored area 13.945, mineralised area 41.81, non mineralised area 32.237, area blocked under various barriers 8.23 hect	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	various exploration agencies	M/s Khanna Associats, M/s JAL (Jaypee drilling division), DGM Govt of M.P. (historic exploration)	
1d	Balance area to be explored to bring Geological axis in 1 or 2	ML area is explored upto G1 level	ML area is already explored upto G1 level.	
1e	Balance reserve as on 01/04/20	01.04.2017 111-20.107 221-15.019	as on 01.04.2019 111-17.0935 221-15.019	units are in million tonnes

1f	General remarks of inspecting officers on geology, exploration etc	ML area belongs to rohtas formation, semri group of vindhyan super group stratigraphically, limestone of the ML area is hard and compact, light to dark grey in colour, exploration over G1 level already done in the ML area
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## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	it wa sproposed to do development work in the pit 1 & 2	working was in the said location pit 1&2, with slowere rate	for the same modification was submitted by the ML holder
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	proposed	separate bench in soil of 1-2 meter depending upon the deposition of soil in the ML area, mineral benhces of 7-8 meter varries due to working face	
2c	Stripping ratio or ore to OB ratio	1:1.15	1:1.56	
2d	Quantity of topsoil generation in m3	8407	5400	unit in cu m
2e	Quantity of overburden generation in m3	84779 cu m	36800 cu m	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			working was in the proposed location Pit 1 & 2, with slowere rate, due to non achievement of the proposal modification was submitted

## Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	two pits	pit 1 & 2	
3b	Quantity of ROM mineral production proposed	60000 tonnes	30135 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	100 %	ROM is being used in captive cement plant	
3d	Quantity of mineral reject generation	not proposed	ROM is being used in captive cement plant	
3e	Grade of mineral rejects generation and threshold value declared.	not applicable	ROM is being used in captive cement plant	
3f	Quantity of sub grade mineral generation.	not proposed	ROM is being used in captive cement plant	
3g	Grade of sub grade mineral generation	not defined	ROM is being used in captive cement plant	
3h	Manual / Mechanised method adopted for segregating from ROM	not proposed	entire ROM is being used in captive cement plant	
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	as per approved mining plan under supervision of technical persons	

3k	Provision of mining machineries in mineral benches	proposed	HEMM is being used in mineral benches for excavation and transportaion	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	suitable	proposed bench height and width ar suitable for the opencast mechanised mining	
3m	Total area covered under excavation/pits	5.67 hect	2.65 hect	
3n	Ore to OB ratio for the pit/mine during the year.	1:1.15	1:1.56	
3o	Total area put in use under different heads at the end of year	15.06 hect	12.31 hect	
3p	Production of ROM mineral during the last five year period as applicable	2017-18=188256 2018-19=300000 2019-20=600000	2015-16=0 2016-17=0 2017-18=0 2018-19=0 2019-20=30135	units are in tonnes
3q	General remarks of inspecting officers on method of mining etc.			opencats mechanised method of mining adopted, propoduction not achieved in the last five years due to non convirson of forest land.

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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)	separate dumping proposed	separate dumping of soil and waste	

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4b	Location of topsoil, OB and mineral reject dumps	dump D1 D2 and D3	Soil dump along with dump D1 D2 and D3	
4c	Number of dumps within lease area and outside of lease area	one	one	
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.	four active dumps	four active dumps	
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	not proposed due to small generation of soil and waste	
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			there are four dumps located in the ML area 1-Soil and 3-Waste dumps, NOTE:- IN THE COLOUMN NO 4C, TYPOGRAPHICAL ERROR OCCURED AND IT COULD NOT BE EDITABLE

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Solid Waste Management - Backfilling:

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Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	full extraction of the mineral proposed	full extrcation of the mineral under process	
5b	Area under backfilling of mined out area	not proposed	no area in the ML mature enough for the backfilling	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	proposed	soil is being use din plantation over the virgin non mineralized area	
5d	Total area fully reclaimed and rehabilitated	not proposed	plantation done only on the virgin non-mineralised area	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			full extrcation of the mineralised area under process upto the UPD, no area mature enough for the backfilling by means of excavation , planttaion done only only on the virgin non - mineralised area

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Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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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 dispatch propsoed	ROM is being dispatched to the captive cement plant	



7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	not proposed	nil
7c	Different grade of mineral sorted out at mines.	not proposed	nil
7d	Any beneficiation process at mines	not proposed	nil

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	proposed	soil is being removed separetly and used in plantaion over non mineralised area	
8b	Concurrent use or storage of topsoil	proposed	in plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed	ob and soil is being removed separetley and dumped separetly	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	not proposed	no area is mature enough for the activity	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	proposed	as per approved minign plan	

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8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	proposed	with the used of water tanker and water sprinklers	
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 Nov-21	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	furnished	Agent Pratyendra Kumar Upadhyay Manager Mukesh Kumar Kumhar Mining Engineer in charge Rajkumar Singh Geologist in charge Ashish Meshram	

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 2.400 2.400 (ii) Covered under current (O/C) Workings 0.000 1.500 1.500 (iii) Reclaimed/Rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 0.353 0.353 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 0.004 0.004 (vi) Other Purpose (Road) 0.000 0.305 0.305 (vii) Work done under progre
9d	Scrutiny of Annual return on afforestation	furnished	furnished around 2300 plants planted during the year

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity) 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 0.000 0.000 0.000 0.000 0.00</p> <p>(e) Cement 3683.000 30135.000 30135.000 3683.000 262.47</p>
9f	Scrutiny of Annual return on ROM stock and/or graded ore furnished	<p>Production and Stocks of ROM ore at Mine-head ( LIMESTONE )</p> <p>Category Opening stock (in tonne)</p> <p>Production (in tonne)</p> <p>Closing stock (in tonne)</p> <p>(a) Open Cast Workings 0.000 30135.000 0.000</p> <p>(b) Underground Workings 0.000 0.000 0.000</p> <p>(c) Dump Workings 0.000 0.000 0.000</p>

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	furnished	ex mine price 264.27 INR cost of production 262.47 INR
9h	Scrutiny of Annual return on fixed assets	furnished	Value of Fixed Assets (inr) 2331456930 (in respect of the mine, beneficiation plant, mine work-shop, power and water installation)
9k	Scrutiny of Annual return on mining machineries	furnished	achinery Capacity of each unit No.of units Electrical/ Non-Electrical (specify) Used in opencast/ underground (specify) BACK HOE 0.950 CUM 2 Non Electrical Opencast DOZER 301.000 HP 1 Non Electrical Opencast TIPPER 16.000 CUM 12 Non Electrical Opencast WATER TANKER 12000.000 LITRE 1 Non Electrical Opencast ROCK DRILL (NONELEC.) 4.000 MM 1 Non Electrical Opencast

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**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