

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

**MCDR inspection REPORT  
Jabalpur regional office**

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

**Mine code :** 38MPR41005

- (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 : 13-JAN-21
- (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 : MP modif under 17(3) MCR 2016 02-JUL-19

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	07 BH	05 BH	
1b	Exploration over lease area for geological axis 1 or 2	G1: 65.09 ha G2: 22.902 Ha	G1: 65.09 ha G2: 15.01 ha	
1c	Exploration Agencies and Expenditure in lakh rupees during the year			M/s Central Drilling Associates carried out exploration during 2019-20. Core drilling expenses: 300425/-rs Core boxes: 20000/-rs Sample preparation : 29550/-rs Logging : 19700/-rs Total expenditure : Rs. 3,69,675/-
1d	Balance area to be explored to bring Geological axis in 1 or 2		7.00 Hect.	
1e	Balance reserve as on 01/04/20		17.250 Mio. tons	
1f	General remarks of inspecting officers on geology, exploration etc			Drilling done, form submitted.against 7 only 5 BH are done.Violation issued.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit (1 & 2): E 535675 to 536075 & N 2692350 to 2692650	E 535800 to E 536050 & N 2692375 to N 2692575	less work done.with in proposed area.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top soil-0, Over burden-2, Ore -3	Top soil-0, burden-2,	Over Ore -3
2c	Stripping ratio or ore to OB ratio	1:1.15	1:0.76	
2d	Quantity of topsoil generation in m3	8407 m3	2500 m3	
2e	Quantity of overburden generation in m3	84779 m3	23000 m3	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			There are two benches in OB and 3 in L/S.Waste is sent to external dump.Less development for L/S height 6 mtr.waste 2-4 mtr.Violation issued for doing both less developemnt and production than planned proposal.

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2	2	
3b	Quantity of ROM mineral production proposed	600011 Tons	30135 Tons	*Mining operation commence by 10.02.2020. Limestone requirement was less by cement plant.
3c	Recovery of sailable/usable mineral from ROM production	NIL	NIL	

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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	no proposals
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.suitable.6-8 mtr benches	
3m	Total area covered under excavation/pits	8 Ha.	4.19 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:1.15	1:0.76	

3o	Total area put in use under different heads at the end of year	12.31 Ha.	4.562 Ha.	
3p	Production of ROM mineral during the last five year period as applicable	2017-18: 1,88,256 2018-19: 3,00,000 2019-20: 6,00,000 2020-21: 6,00,000	2017-18: 0 2018-19: 0 2019-20: 30135* 2020-2021:2,86,117	Mining operation commence late by 10.02.2020 for many issues.. as per leese.Limestone requirement was less by cement plant.violation is issued for achieving very less developemnt and production.
3q	General remarks of inspecting officers on method of mining etc.			Low production,violati on issued.

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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)	Yes	Yes	for waste OB.
4b	Location of topsoil, OB and mineral reject dumps	E 536069 to 536238 & N 2692630 to 2692790		dumping Done within proposed area for dumping
4c	Number of dumps within lease area and outside of lease area	1	1	with in lease
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	-	-	Dump outside of UPL

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4e	Number of active and alive dumps.	01	01	Dump is Active in nature
4f	Number of dead dumps.	Nil	Nil	new operation
4g	Number of dumps established.	01	01	
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes	
4i	Length of Retaining wall or garland drain all along dumps	RW-464m GD-464m	RW-70m GD-150m	Dump is Active in nature
4j	Number of settling ponds	Not proposed	1.0	
4k	Specific comments of inspecting officer on waste dump management			Retaining wall of less length. Retaining wall missing violation issued. Toewall with garland drain.

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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.	Nil	Nil	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	

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5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No proposal.it is new mines.

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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).	YES	YES	PMCP report sent to IBM for FY 2019-20.
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha).	NIL	NIL	no proposals for mined out benches (6a to 6g)
6d	No. of saplings planted during the year	NIL	NIL	no proposals for mined out benches (6a to 6g)
6e	Cumulative no .of plants	NIL	NIL	no proposals for mined out benches (6a to 6g)
6f	Any other method of rehabilitation	NIL	NIL	no proposals for mined out benches .
6g	Cost incurred on watch and care during the year	NIL	NIL	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	no proposals		Not applicable

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6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	no proposals		Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	no proposals		Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	no proposals		Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	no proposals		Not applicable
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	2000 nos	2300nos	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	1.0 hect plantation	1.2 hect	green belt in barrier zone/safety zone
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	no proposals		

6p	Compliance of environmental monitoring (core zone and buffer zone)	yes	being done	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			it is new mine.no proposals for backfill. plantation done in barrier zone.

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#### Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM	ROM	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	no proposals	nil	
7c	Different grade of mineral sorted out at mines.	no proposals	Nil	
7d	Any beneficiation process at mines .	no proposals	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			RoM is supplied to crusher at plant

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#### Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Yes	done	
8b	Concurrent use or storage of topsoil	Yes	Yes	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	for waste. top soil is used.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal in the reporting year	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal in the reporting year	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	baseline:-- ,addittional 2000	2300 nos	
8g	Survival rate	80%	70%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantation done in green belt/southern side of lease boundary

## Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Plantation done in green belt/southern side of lease boundary	Yes, submitted
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Name of the Mining Engineer, Geologist and Manager: Mukesh Kumar Geologist: Ashish Meshram M.E: Giduturi Satya Sai Srinivas	Appointment submitted
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.			Pit-3.9 ha Dump- 0.353 ha. Road-0.305 ha Total- 4.562 ha. All within limit
9d	Scrutiny of Annual return on afforestation	2000	platation done	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		Nil, No mineral reject.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	nil	Nil, No stocks at mines.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value,- 0 Ex-Mine price - Rs.262.40/ tone Production costs- Rs.262.40/tone	Sale value,- 0 Ex-Mine price - Rs.262.40/ tone Production costs- Rs.262.40/tone	Ex-Mine Price & Cost of Production is same in case of captive lease
9h	Scrutiny of Annual return on fixed assets	FA: 2994262424 For all 7 mining leases	value of FA given.	
9k	Scrutiny of Annual return on mining machineries		Backhoe machine-0.950 cubic metres -2 nos. Dozer-301-HP-1 Nos tipper -16 cubic metres- 12nos. Water Tanker-12 Kl Rock drill-110mm drill	, list of equipment is given



**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)	29-APR-21			

**Date :**

**(SANDEEP KUMAR SINGH)**

Indian Bureau of Mines