

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/SIDHI/LST-0

Mine code : 38MPR41004

- (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** : **BHUDHGAWNA (60.67)**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : SIDHI
Village : BHUDGAUNA
Taluka : RAMPUR NAIKIN
Post office : BHARATPUR
Pin Code : 486776
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest :
2. Address for : JAYPEE SIDHI CEMENT PLANT, DIST.
correspondance P.O. BHARATPUR
DIST. SIDHI (M.P.) 486776
3. (a) Lease Number : MPR2568
(b) Lease area : 60.67
(c) Period of lease : 10
(d) Date of Expiry : 20-MAR-27
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : JAIPRAKASH ASSOCIATES LIMITED
JAYPEE SIDHI CEMENT PLANT,
P.O. BHARATPUR, DIST. SIDHI
(M.P.) SIDHI MADHYA PRADESH
Phone:276701, 276714
FAX :07802-276715

Owner : JAIPRAKASH ASSOCIATES LTD.
P.O. JAYPEE NAGAR, REWA
MADHYA PRADESH
Phone: +911126141540
FAX : N. A.

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 18-MAR-15
Plan/Scheme of Mining MP review under 17(1) MCR 2016 17-JAN-17

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	07	NIL	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-	-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	-	area to be explored - 21.606 Hect, G1: 16.249 ha 12.946 is non mineralized	
1e	Balance reserve as on 01/04/20	-	7.286 Million T	
1f	General remarks of inspecting officers on geology, exploration etc			Drilling not done for year 2019-20. Area is explored by 26 BH by JP associates and 7BH by DGM, MP. limestone belongs to Rohtas stage of semi Series of lower vindhayan system of Indian stratography. Valley is under cover of soil and scree. OB varies from 6.12 to 15.60 -10.45 mtr. Limestone from 5.7 mtr to 32.82 mtr av-32.82 mtr.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	E 536184 to 536503 & N 2691890 to 2692233	work done within area but very less	Working done within proposed area
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top soil-0, Over burden-1, Ore -2	Top soil-0, Over burden-1, 1	Ore - Yes, maintained
2c	Stripping ratio or ore to OB ratio	1:0.54	1: 6.37	
2d	Quantity of topsoil generation in m3	750 m3	200 m3	Concurrent use of topsoil in barriers, plantation
2e	Quantity of overburden generation in m3	145619 m3	39000 m3	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Less mining and production done . to very less development done.2 benches of 6-8 mtr are formed 3 Nos. with width of 12 mtrs.Mies is opened late for various issues.violation is issued.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	270000 T	6114 T	very low production
3c	Recovery of sailable/usable mineral from ROM production	NIL	NIL	

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.	No sub grade Mineral	No sub grade Mineral
3g	Grade of sub grade mineral generation	N/A	N/A
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	6.68 Ha.	2.281 Ha.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.54	1:6.37

3o	Total area put in use under different heads at the end of year	13.91 Ha.	3.161 Ha.	
3p	Production of ROM mineral during the last five year period as applicable	2017-18: 141040 2018-19: 270000 2019-20: 270000	2017-18: 0 2018-19: 0 2019-20: 6114*	Mines commenced on 19.02.2020
3q	General remarks of inspecting officers on method of mining etc.			Low production and development. mechanised mining is done with shovel and dumpers/tippers. 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)	YES	YES	Done, no reject
4b	Location of topsoil, OB and mineral reject dumps	E 536125 to 536330 & N 2691770 to 2691930	with in area.very low volume done.	
4c	Number of dumps within lease area and outside of lease area	3	1	Within lease
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	-	-	Dump outside of UPL as per proposal
4f	Number of dead dumps.	NIL	NIL	
4g	Number of dumps established.	1	1	

4h	Whether Retaining wall or garland drain all along dumps are there.	YES	no	
4i	Length of Retaining wall or garland drain all along dumps	RW-325 m GD-325 m	RW-0 GD-50 m	The size of dump is small.
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management			Retaining wall for dump is not made. Garland drain is observed. violation issued.

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	
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No proposals for backfilling in the year.

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	
6d	No. of saplings planted during the year	NIL	NIL	
6e	Cumulative no .of plants	NIL	NIL	
6f	Any other method of rehabilitation	NIL	NIL	
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	NP	N/A	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NP	N/A	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	np	N/A	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	np	N/A	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	np	N/A	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	2300 Nos.	2200 Nos.	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	1.14 Ha.	1.00 Ha	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	By plantation	By plantation	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Within Permissible limits proposed.	Within Permissible limits monitoring is done.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Green belt done in area barrierzone of lease area. abbreviation used: NP/np: no proposals made., NA: not applicable.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Nil	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Nil	Nil	
7c	Different grade of mineral sorted out at mines.	Nil	Nil	
7d	Any beneficiation process at mines .	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			ROM supplied to Crusher at factory by trucks.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	proposed	it is done	
8b	Concurrent use or storage of topsoil	concurrent	concurrent	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed	it is done	for OB and waste rock.

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	No proposal in the reporting year
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	No proposal in the reporting year
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	adiitional: 2300 nos	2200 nos	Plantation
8g	Survival rate	80%	70%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Green belt developed.newly opened mine.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Monthly returns Submitted time to time Submitted Annual return for FY'2019-20.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Name of the Mining Engineer, Geologist and Manager: Manager: Mukesh Kumar Geologist: Ashish Meshram M.E: Raj Kumar Singh	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Pit-2.281 ha. Dump- 0.680 ha. Infra- 0.2 ha.	Within limit Total- 20.33 ha.
9d	Scrutiny of Annual return on afforestation	2200	2200 saplings	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	nil	N/A	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	no stocks	NIL	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		Sale value,- 0 Ex-Mine price - Rs. 253.20 / tone Production costs- Rs.253.20/tone	Captive mine
9h	Scrutiny of Annual return on fixed assets		value of FA=22294262424 For all 7 mining leases List given	

9k Scrutiny of BACK HOE 0.900 the list of machines is
Annual return on CUM 1 Non given.
mining Electrical
machineries Opencast
TIPPER 21.000
CUM 7 Non
Electrical
Opencast
WATER TANKER
12000.000
LITRE 1 Non
Electrical
Opencast
ROCK DRILL
(NON-ELEC.)
152.000 MM 1
Non Electrical
Opencast

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)	27-APR-21			

Date :

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines