

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

**MCDR inspection REPORT  
Jabalpur regional office**

**Mine file No :** MP/RWA/LST-23

**Mine code :** 38MPR33018

- (i) Name of the Inspecting : **C004** ) **ROBERT SIMON C**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri. Naveen Singh Baghel (Mine Manager), Shri Nitya  
Official with  
Designation
- (iv) Date of Inspection : 02-FEB-21
- (v) Prev.inspection date : 09-JAN-20

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **JAYPEE (249.139 HA)**
- (b) **Registration NO.** : **IBM/441/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : REWA  
Village : MADHYEPUR & SONRA  
Taluka : HUZUR  
Post office : JAYPEE NAGAR  
Pin Code : 486450  
FAX No. : 07662 229286  
E-mail : dinkar.dashora@adityabirla  
Phone : 07662 409301
- (f) Police Station : Naubasta
- (g) First opening date : 08-AUG-85
- (h) Weekly day of rest :
2. Address for : M/S ULTRATECH CEMENT LTD.  
correspondance : P.O. JAYPEEPURAM, DIST. REWA (M.P.) 486450
3. (a) Lease Number : MPR0355  
(b) Lease area : 249.13  
(c) Period of lease : 40  
(d) Date of Expiry : 18-AUG-21
4. Mineral worked : SHALE Associated  
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.

Owner : OMPRAKASH PURANMALKA  
B-WING, AHURA CENTRE, SECOND  
FLOOR MAHAKALI CAVES ROAD,  
ANDHERI EAST MIDC MUMBAI  
DHAR MADHYA PRADESH  
Phone: 02266917800  
FAX : 02266928109

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	04-SEP-02
Plan/Scheme of Mining		PMCP under 23B(1) for Fresh	29-APR-05
		Mining Scheme rule 12 MCDR1988	29-JUL-06
		Mining Scheme rule 12 MCDR1988	18-MAY-11
		Mining Scheme rule 12 MCDR1988	30-JUL-16
		MP review under 17(1) MCR 2016	02-DEC-20

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NA	NA	
1b	Exploration over lease area for geological axis 1 or 2	10 BOREHOLES (500 Mtr.)	10 BOREHOLES (490 Mtr.)	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	Rs. 1180000-/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G2 - 36.388 Ha.	G2 - 36.388 Ha.	
1e	Balance reserve as on 01/04/20	Proved 23005000 Probable 3910000	Proved 23005000 Probable 3910000	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit -1 and Pit 2	Pit -1 and Pit 2	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	PROPOSED 6 benches(pit 1,pit 2): UGL (0.5 Mtr.) MSH - 1 (6, 7 Mtr.) MSH - 2 (7, 7 Mtr.) MSH-3 (0,7 Mtr.) NDS (6,6 Mtr.) LGL - 1 (7, 7 Mtr.) LGL - 2 (3,3 Mtr.)	As per proposal	

2c	Stripping ratio or ore to OB ratio	1:0.45	1:0.64	
2d	Quantity of topsoil generation in m3	Not proposed	NA	
2e	Quantity of overburden generation in m3	2077758 m3	918915 m3	violation pointed out
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The mine development was lagging from the proposal and not as per the approved proposals of approved document.

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#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Pit 1 and Pit 2	Pit 1	violation pointed out for overall production
3b	Quantity of ROM mineral production proposed	Pit -1 = 1812255 MT Pit -2 = 565291 MT	1425039 MT(pit 1)	violation pointed out
3c	Recovery of sailable/usable mineral from ROM production	Not Proposed	NA	
3d	Quantity of mineral reject generation	Not Proposed	NA	
3e	Grade of mineral rejects generation and threshold value declared.	Not Proposed	NA	
3f	Quantity of sub grade mineral generation.	Not Proposed	NA	

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3g	Grade of sub grade mineral generation	Not Proposed	NA
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised Method proposed	Mechanised Method carried out
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Proposed	NA
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	Suitable for mining	suitable as per approved mining plan
3m	Total area covered under excavation/pits	147.44 Ha	147.44 Ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.45	1:0.64
3o	Total area put in use under different heads at the end of year	149.44 Ha	149.44 Ha
3p	Production of ROM mineral during the last five year period as applicable	2016-17=2800025 2017-18=2759818 2018-19=2800068 2019-20=2800068	2016-17=1011057 2017-18=709666 2018-19=1127417 2019-20=1425039

3q General remarks  
of inspecting  
officers on  
method of mining  
etc.

Mining operation  
is lagging behind  
the proposal  
.violation for the  
same issued.

#### Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not proposed	NA	
4b	Location of topsoil, OB and mineral reject dumps	Not proposed	NA	
4c	Number of dumps within lease area and outside of lease area	Not proposed	NA	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	NA	
4e	Number of active and alive dumps.	Not proposed	NA	
4f	Number of dead dumps.	Not proposed	NA	
4g	Number of dumps established.	NA	NA	
4h	Whether Retaining wall or garland drain all along dumps are there.	yes	1684 m	
4j	Number of settling ponds	na	na	
4k	Specific comments of inspecting officer on waste dump management			continuous backfilling of generated waste in progress.

#### 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 proposed	full extraction adopted	
5b	Area under backfilling of mined out area	4.99 Ha	0.54 Ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	proposed	plantation	
5d	Total area fully reclaimed and rehabilitated	80.63 Ha	80.63 Ha	

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	violation pointed out
6b	Area available for rehabilitation (ha) .	4.99 Ha	0.54 Ha	
6c	afforestation done (ha).	1 Ha	0.54 Ha	
6d	No. of saplings planted during the year	2000	2500	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	4.99 Ha	0.54 Ha	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	1 Ha	0.54 Ha
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	NA	NA
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)	Proposed	As per proposal	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PMCP work carried out in line with the approved document.

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	proposed	ROM is being dispatched to captive cement plant	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not Proposed	NA	
7c	Different grade of mineral sorted out at mines.	Not Proposed	NA	
7d	Any beneficiation process at mines	Not Proposed	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			ROM is being dispatched to captive cement plant

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#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	As per proposal
8b	Concurrent use or storage of topsoil	Proposed	For plantation
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not Proposed	NA
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	proposed	continuous use in backfilling.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	proposed	as per proposal backfilling of mined out area and plantation done.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	proposed	as per proposal
8g	Survival rate	90	85
8h	Water sprinkling on roads to control airborne dust	proposed	as per proposal

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Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	given	MR submitted till December 2020 and AR submitted for FY 2019-20
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	given	Manager - Mr. Naveen Singh Baghel, Geologist - Nitya Kishor Dixit, Mining Engineer - Mr. Rajiv Ranjan Prasad.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	given	Area already exploited & abandoned by opencast (O/C) mining -146.840 Ha. Covered under current (O/C) Workings - 0.600 Ha. Reclaimed/Rehabilitated - 80.630 Ha. Occupied by plant, buildings, residential, welfare buildings & roads - 2 Ha.
9d	Scrutiny of Annual return on afforestation	given	Number of trees planted during the year (2000 no. in ML and 500 no. in OML)
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	given	NA
9f	Scrutiny of Annual return on ROM stock and/or graded ore	given	nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		Rs. 399.16/MT
9h	Scrutiny of Annual return on fixed assets	given	Rs. 7549245769

9k	Scrutiny of given	Type of Machinery
	Annual return on	DUMPER 60 T 10
	mining	SHOVEL (HYDRAULIC) 4.000
	machineries	CUM 1
		SHOVEL (HYDRAULIC) 3.200
		CUM 2
		SHOVEL (HYDRAULIC) 6.500
		CUM 1
		BACK HOE 4.500 CUM 1 Non
		DOZER 9.000 HP 2
		DOZER 5.000 HP 1
		ROCK DRILL 3
		MOTOR GRADER 1

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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
MCDR17	Rule 11(1)	08-FEB-21			
MCDR17	Rule 26(2)	08-FEB-21			
MCDR17	Rule 33	08-FEB-21			

**Date :**

**(ROBERT SIMON C)**

Indian Bureau of Mines