

**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 : **SQ05** ) **DEEPAK SHARMA**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : N K Dixit Geologist  
Official with  
Designation
- (iv) Date of Inspection : 09-JAN-20
- (v) Prev.inspection date : 15-NOV-09

**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

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration proposed in the year 2018-19	No exploration done in the year 2018-19	
1b	Exploration over lease area for geological axis 1 or 2	to explore lease area upto G1 level	area explored upto G2 level, further exploration proposal given for next years	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Mentioned	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	14.61 hectare G2 level	14.61 hectare of G2 level	
1e	Balance reserve as on 01/04/20	as on 01/04/2018 111-25.29 121-3.91	as on 01/04/2019 111-24.163 121-3.91	
1f	General remarks of inspecting officers on geology, exploration etc			limestone of the lease area belongs to bhandar series of vindhyar super group, limestone grey in colour, hard and compact, fine grains with intercalated shale

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	in the south-eastern portion of the lease area	development work was carried out in the south-eastern portion of the lease area in between grid line E 517400 to 5182200 and N 2711800 to 2711000	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top Soil bench 0.5-1.5 (01) OB /waste bench 1.0-6.0 (02) Mineral bench 6-8 (03)	Top Soil bench 0.5-1.5 (01) OB /waste bench 1.0-6.0 (02) Mineral bench 6-8 (03)	
2c	Stripping ratio or ore to OB ratio	1:0.45	1:1.145	
2d	Quantity of topsoil generation in m3	Not proposed	NIL	
2e	Quantity of overburden generation in m3	1262747	1641258	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development work not as per approved mining plan, violation issued for the same

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	2800068	1127417	
3c	Recovery of sailable/usable mineral from ROM production	Not proposed	NIL	ROM is being used in captive cement plant
3d	Quantity of mineral reject generation	Not Proposed	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	mechanised method adopted (screening)
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 proposal
3k	Provision of mining machineries in mineral benches	Proposed	as per proposal
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	145.940	145.940
3n	Ore to OB ratio for the pit/mine during the year.	1:0.45	1:1.145
3o	Total area put in use under different heads at the end of year	228.93	228.93

3p	Production of ROM mineral during the last five year period as applicable	2016-17=2800025 2017-18=2759818 2018-19=2800068	2016-17=1011057 2017-18=709666 2018-19=1127417
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3q	General remarks of inspecting officers on method of mining etc.	Mining operation are slower than proposal due to that production not achieved violation for same 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)	Not proposed	No waste dupms available continuously backfilling in progress	
4b	Location of topsoil, OB and mineral reject dumps	Not proposed	NIL	
4c	Number of dumps within lease area and outside of lease area	NA	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Proposed	NIL	
4e	Number of active and alive dumps.	NA	NIL	
4f	Number of dead dumps.	NA	NIL	
4g	Number of dumps established.	NA	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed	NIL	

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4i	Length of Retaining wall or garland drain all along dumps	Not Proposed	NIL	
4j	Number of settling ponds	NA	NIL	
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 proposd	full extraction of mineral	
5b	Area under backfilling of mined out area	5.07	2.09	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	proposed	planttaion	
5d	Total area fully reclaimed and rehabilitated	80.090	75.00	

#### 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	

6b	Area available for rehabilitation (ha) .	5.07	2.09
6c	afforestation done (ha).	5.07	2.09
6d	No. of saplings planted during the year	10000	2000
6e	Cumulative no .of plants	15000	8500
6f	Any other method of rehabilitation	not proposed	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	proposed	As per approved mining plan

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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 dispatched proposed	ROM is being dispatched to captive cement plant	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical method proposed	mechanical method (screening) in progress	
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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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:**


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Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	proposed	as per proposal separate removal and utilization done	
8b	Concurrent use or storage of topsoil	proposed	utilization in plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	not proposed	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	proposed	continous use in backfilling is in progress	
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 planttaion	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	proposed	as per proposal	

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8g	Survival rate	90	70-75	
8h	Water sprinkling proposed on roads to control airborne dust		in process as per proposal	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			required 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	AR submitted upto 2018-19 MR Submitted upto Mar 2020	AR submitted upto 2018-19 MR Submitted upto Mar 2020	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	furnished	Agent Shri Dinkar Dashora Manager Shri Rajesh S. Chaubey Mining Engineer in charge Shri Rajiv Ranjan Prasad Geologist in charge Shri Nitya Kishor Dixit	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	furnished	(i) Already exploited & abandoned by opencast (O/C) mining 0.000 145.940 145.940 (ii) Covered under current (O/C) Workings 0.000 0.900 0.900 (iii) Reclaimed/Rehabilitated 0.000 80.090 80.090 (iv) Used for waste disposal 0.000 0.000 0.000 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 2.000 2.000 (vi) Other Purpose () 0.000 0.000 0.000 (vii) Work done under progressive mine closure plan during the year 0.000 0.000 0.000
9d	Scrutiny of Annual return on afforestation	furnished	i) Number of trees planted during the year 2000 (ii) Survival rate in percentage 90.00
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	proposed	Quantity 0 Grade 0
9f	Scrutiny of Annual return on ROM stock and/or graded ore	furnished	0
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	furnished	ex mine price 417.54 INR, cost of production 455.98 INR
9h	Scrutiny of Annual return on fixed assets	furnished	Value of Fixed Assets 7495367697 INR (in respect of the mine, beneficiation plant, mine work-shop, power and water installation)

9k	Scrutiny of Annual return on mining machineries	furnished	Type of machinery Capacity of each unit No.of units Electrical/ Non-Electrical (specify) Used in opencast/ underground (specify) DUMPER 32.000 TONNE 6 Non Electrical Opencast DUMPER 60.000 TONNE 10 Non Electrical Opencast SHOVEL (HYDRAULIC) 3.200 CUM 1 Non Electrical Opencast SHOVEL (HYDRAULIC) 4.000 CUM 2 Non Electrical Opencast SHOVEL (HYDRAULIC) 6.500 CUM 1 Non Electrical Opencast BACK HOE 3.200 CUM 1 Non Electrical Opencast DOZER 300.000 HP 2 Non Electrical Opencast DOZER 175.000 HP 1 Non El
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**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)	10-FEB-20	13-MAY-20				
	Rule 26(2)	10-FEB-20	13-MAY-20				
MCDR17	Rule 33	10-FEB-20	13-MAY-20				
	Rule 55	10-FEB-20	13-MAY-20				

**Date :**

**(DEEPAK SHARMA)**

Indian Bureau of Mines