

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

**MCDR inspection REPORT  
Jabalpur regional office**

**Mine file No :** MP/REWA/LST-24

**Mine code :** 38MPR33008

- (i) Name of the Inspecting : **C004** ) **ROBERT SIMON C**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Nitya Kumar Dixit (Senior Manager Geology), Mine  
Official with  
Designation
- (iv) Date of Inspection : 04-FEB-21
- (v) Prev.inspection date : 08-JAN-20

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **JAYPEE (70.127 HA)**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : REWA  
Village : BAIJNATH, SORNA, HINOT  
Taluka : HUZUR  
Post office : JAYPEE NAGAR  
Pin Code : 486450  
FAX No. : N. A.  
E-mail : N. A.  
Phone : N. A.
- (f) Police Station :
- (g) First opening date : 15-FEB-85
- (h) Weekly day of rest : SUN
2. Address for : M/S JAIPRAKASH ASSOCIATES LTD.  
correspondance : P.O. JAYPEE NAGAR, DIST. REWA (M.P.) 486450
3. (a) Lease Number : MPR0360  
(b) Lease area : 70.13  
(c) Period of lease : 40  
(d) Date of Expiry : 14-FEB-25
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.

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	27-MAY-03
Plan/Scheme of Mining		Renewal under rule 24 MCR1960	10-JUN-04
		Mining Scheme rule 12 MCDR1988	15-OCT-09
		Mining Scheme rule 12 MCDR1988	31-OCT-14
		MP review under 17(1) MCR 2016	03-JAN-19

## 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	6 (300 Mtr.)	4 (200 Mtr.)	VIOLATION POINTED OUT
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G2 - 19.292 Ha	G2 - 19.292 Ha	
1e	Balance reserve as on 01/04/20	5.936 MILLION TONNES (111)	6,477,000 MILLION TONNES (111)	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Southern portion of lease area	Southern portion of lease area	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	OBS bench 0.5 - 2.0 UGL 1.0 - 6.0 MSH-1 (7.5 m) MSH-2 (7.5 m) NDS-1 (6.0 m) LGL-1 (7 m) LGL-2 (3 m)	OBS bench 0.5 - 2.0 UGL 1.0 - 6.0 MSH-1 (5-7.5 m) MSH-2 (5-7.5 m) NDS-1 (4- 6.0 m) LGL-1 (5-7 m) LGL-2 (2-3 m)	
2c	Stripping ratio or ore to OB ratio	1:0.59	1:0.36	
2d	Quantity of topsoil generation in m3	18395	NIL	VIOLATION POINTED OUT
2e	Quantity of overburden generation in m3	562725	248356	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	01 Nos	01 Nos	
3b	Quantity of ROM mineral production proposed	950,000 MT	688984 MT	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	
3g	Grade of sub grade mineral generation	Not Proposed	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method proposed	Mechanised method adopted	

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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	35.04 Ha	35.04 Ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.59	1:0.59
3o	Total area put in use under different heads at the end of year	35.04 Ha	35.04 Ha

3p	Production of ROM mineral during the last five year period as applicable	2015-16 1807500	2015-16 762528
		2016-17 908438	2016-17 253440
		2017-18 909063	2017-18 414678
		2018-19 902500	2018-19 572601
		2019-20 950,000	2019-20 688,984
		2016- 17 908438	
		2017- 18 909063	
		2018- 19 902500	
		2019- 20 950,000	

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

Mining operation are slower than proposal due to that full production is not achieved.violation for the same is issued.

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#### Solid Waste Management - Dumping:

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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	

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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.	NA	NA
4f	Number of dead dumps.	NA	NA
4g	Number of dumps established.	NA	NA
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed	300 m maintained
4j	Number of settling ponds	NA	NA

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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.	Full extraction proposed	Full extraction of mineral adopted	
5b	Area under backfilling of mined out area	2.19 Ha	3.00 Ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	top soil to be used in plantation	top soil to be used in plantation	
5d	Total area fully reclaimed and rehabilitated	20.00 Ha	20.00 Ha	

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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).	proposed	not submitted	vioation pointed out
6b	Area available for rehabilitation (ha) .	2.19 Ha	3.00 Ha	
6c	afforestation done (ha).	1.30 Ha	1.30 Ha	
6d	No. of saplings planted during the year	3000	3000	
6f	Any other method of rehabilitation	not proposed	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	2.19 Ha	3.00 Ha	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	1.30 Ha	1.30 Ha	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	2.19 Ha	3.00 Ha	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	plantation	plantation	



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 dispatch 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	

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	proposed	top soil is being removed separately	
8b	Concurrent use or storage of topsoil	proposed	top soil is being used in plantation over backfilled area	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed	OB and waste are being used for backfilling of previous mined out area continuously so there is no dump	

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8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	proposed	continuous 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 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	carried out

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Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
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 - Debasis Panda, Mining Engineer - Mr. Lalit Singh Chouhan	

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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 -34.84 Ha. covered under current (O/C) Workings - 0.20 Ha. Reclaimed/Rehabilitated - 20.00 Ha. Occupied by plant, buildings, residential, welfare buildings & roads - 00 Ha.
9d	Scrutiny of Annual return on afforestation	given	Number of trees planted during the year 3000 no. in ML and 500 no. in OML. survival rate 85%.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	given	nil
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	given	Rs. 399.16/MT
9h	Scrutiny of Annual return on fixed assets	given	nil
9k	Scrutiny of Annual return on mining machineries	given	Type of Machinery DUMPER 60 T 10 SHOVEL (HYDRAULIC) 4.000 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