

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

Check up inspection REPORT

Jabalpur regional office

Mine file No : MP/RWA/LST-2

Mine code : 38MPR33006

- (i) Name of the Inspecting : **NQ07**) **PUKHRAJ NENIVAL**
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Shri Dinkar Dashora, AVP Mines
Official with
Designation
- (iv) Date of Inspection : 08-MAR-22
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **JAYPEE (200.554 HA)**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : REWA
Village : MADHEY PUR, & SONRA
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 : 09-AUG-84
- (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 : MPR2159
(b) Lease area : 200.55
(c) Period of lease : 50
(d) Date of Expiry : 08-AUG-34
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	10-JUL-97
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	27-MAY-03
		Renewal under rule 24 MCR1960	10-JUN-04
		Mining Scheme rule 12 MCDR1988	15-OCT-09
		Mining Scheme rule 12 MCDR1988	03-NOV-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	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	G1-195.607 ha, G2-1.893 ha, G3-3.054 ha	G1-195.607 ha, G2-1.893 ha, G3-3.054 ha	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	GK Agrovision Rewa, Rs 285000/-	GK Agrovision Rewa,	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G2-1.893 ha, G3-3.054 ha	G2-1.893 ha, G3-3.054 ha	
1e	Balance reserve as on 01/04/20		Balance reserve - 4.49 MT	
1f	General remarks of inspecting officers on geology, exploration etc			limestone of the lease area belongs to bhandar series of vindhyan 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	Pit - 1	Pit - 1	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:2.98	1:1.54	
2d	Quantity of topsoil generation in m ³	Nil	Nil	

2e	Quantity of overburden generation in m3	83808 cubic meter	79966 cubic meter	
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.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	250000 MT	123713 MT	
3c	Recovery of sailable/usable mineral from ROM production	Not Proposed	Not applicable	
3d	Quantity of mineral reject generation	Not Proposed	Not applicable	
3e	Grade of mineral rejects generation and threshold value declared.	Not Proposed	Not applicable	
3f	Quantity of sub grade mineral generation.	Not Proposed	Not applicable	
3g	Grade of sub grade mineral generation	Not Proposed	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method proposed	Mechanised method adopted	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Proposed	Not applicable	
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	Bench parameters are not maintained as per proposal, as high wall is created	Bench parameters are not maintained as per proposal, as high wall is created, Violation pointed out for same.
3m	Total area covered under excavation/pits	84.78 ha	85.63 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:2.98	1:1.54	
3o	Total area put in use under different heads at the end of year	157.78 ha	158.63 ha	
3p	Production of ROM mineral during the last five year period as applicable	2016-17-305031 2017-18-303000 2018-19-300000 2019-20-250000 2020-21-250000	2016-17-101440 2017-18-205955 2018-19-224898 2019-20-225382 2020-21-123713	Violation pointed out for less production in the year 2020-21.
3q	General remarks of inspecting officers on method of mining etc.			Bench parameters are not maintained as per proposal, as high wall is created, Violation pointed out for same.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	continuos backfilling proposed	continuos backfilling proposed.	
4b	Location of topsoil, OB and mineral reject dumps	Not Proposed	Not applicable	
4c	Number of dumps within lease area and outside of lease area	Not proposed	Not applicable	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	Not applicable	
4e	Number of active and alive dumps.	Not proposed	NA	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed	Not applicable	
4i	Length of Retaining wall or garland drain all along dumps	Not proposed	Not applicable	
4j	Number of settling ponds	Not proposed	Not applicable	
4k	Specific comments of inspecting officer on waste dump management			continuos backfilling is in process therefore no dumps available in teh lease area, previoulsy mined-out area is being backfilled with the generated amount of OB/waste

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	85.63 ha	85.63 ha	
5b	Area under backfilling of mined out area	0.63 ha	0.88 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 used in plantation	
5d	Total area fully reclaimed and rehabilitated	68.60 ha	69.48 ha	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			full extraction of mineral adopted before any backfilling

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	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) .	0.5 ha	0.83 ha	
6c	afforestation done (ha) .	0.5 ha	0.83 ha	
6d	No. of saplings planted during the year	1000	2082	
6e	Cumulative no .of plants	82497	82497	

6f	Any other method of rehabilitation not proposed	Not applicable	Not applicable
6g	Cost incurred on watch and care during the year	3.0 lakh	6.25 Lakh
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	Not applicable	Not applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not applicable	Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Not applicable	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not applicable	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not applicable	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Not applicable	Not applicable

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not applicable	Not applicable	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not applicable	Not applicable	
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.			Annual PMCP report not submitted but work carried out by and large.

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.	Not Proposed	Not applicable	
7c	Different grade of mineral sorted out at mines.	Not Proposed	Not applicable	
7d	Any beneficiation process at mines	Not Proposed	Not applicable	

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	Proposals	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 is being used for backfilling of previous mined out area continuously	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	proposed	continuous used in backfilling	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	proposed	as per proposal	

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	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mines area needs improvement

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		MR submitted till February 2022 and AR submitted for FY 2020-21	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Manager - Mr. Naveen Singh Baghel, Geologist - Syed Abdul Mannan, Mining Engineer - Mr. Manmohan Singh.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Pits - 85.630 ha Reclaimed area - 69.480 ha Dump area - 8.0 ha	
9d	Scrutiny of Annual return on afforestation		Number of trees planted during the year 2082	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		Nil	

9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs. 483.41/MT ex mine price
9h	Scrutiny of Annual return on fixed assets	Value of Fixed assets Rs. 7617931403
9k	Scrutiny of Annual return on mining machineries	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

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)	28-MAR-22			
MCDR17	Rule 26(2)	28-MAR-22			
MCDR17	Rule 45(7) (a)	28-MAR-22			

Date :

(PUKHRAJ NENIVAL)

Indian Bureau of Mines