

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

**Mining Plan Modification REPORT**

**Jabalpur regional office**

**Mine file No :** MP/REWA/LST-33

**Mine code :** 38MPR33029

- (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 : 07-AUG-19
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **BANKUIYAN (407.005 HA)**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : REWA  
Village : BANKUIYAN  
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 : 31-JAN-05
- (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 : MPR0759  
(b) Lease area : 407.01  
(c) Period of lease : 50  
(d) Date of Expiry : 05-MAY-44
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: N. A.  
FAX : N. A.

## Mining Engineer

Name : A.K.SHRIVASTAVA,Full Time  
Qualification : B.E.(MINING)  
Appointment/ : 31-JAN-05  
Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	03-SEP-09
Plan/Scheme of Mining	:	FMCP under 23C(1)	12-DEC-11
	:	Renewal under rule 24 MCR1960	25-MAY-15

## 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	NA	NA	
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	NA	NA	
1e	Balance reserve as on 01/04/20	-	1.827 Million Tonne	RESERVES AS ON 01/04/2019.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	between location N 200 to N450 ,W 250 to W500	LAGGING BEHIND.FACES NOT ADVANCED TO THIS.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches for topsoil overburden and mineral benches is proposed	Separate benches for topsoil overburden and mineral benches is developed properly	
2d	Quantity of topsoil generation in m3	161948	7588	
2e	Quantity of overburden generation in m3	322285	8536	

2f General remarks of inspecting officers on development of pit w.r.t. type of deposit etc

MINES IS DEVELOPED BY BENCHING.

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	03	02	
3b	Quantity of ROM mineral production proposed	557660 tonne	352116 tonne	LESS PRODUCTION
3c	Recovery of sailable/usable mineral from ROM production	85-90%	85-90%	
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.	Nil	Nil	
3g	Grade of sub grade mineral generation	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	

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3j	Provision of drilling and blasting in mineral benches	Drilling and blasting is proposed in mineral benches	Drilling and blasting is done in mineral benches
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	53.497 Hect	40.70 Hect.
3n	Ore to OB ratio for the pit/mine during the year.	1:2.17	1.:0.045
3o	Total area put in use under different heads at the end of year	Quarry-53.497 Ha. Waste dump- 6.00 Ha. Infrastructure Road- 1Ha. -1.2 Ha. Road-1.00 Ha.	Quarry-40.70Ha. Waste dump- 6 Ha. Infrastructure-1.2Ha.
3p	Production of ROM mineral during the last five year period as applicable	2015-16 727444 tonnes 2016-17 617699 tonnes 2017-18 787500 tonnes 2018-19 557660 tonnes	451440 tonnes 324630 tonnes 555984 tonnes 352116 tonnes

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

NUMBER OF PITS  
MADE IS LESS.2  
INPLACE OF  
3.ADVANCE IN FACES  
NO AS PER  
PLAN.MECHANISED  
MINING IS DONE BY  
DEVELOPING  
BENCHES.

### Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No OB and Mineral reject dump is proposed.	As per proposal	
4b	Location of topsoil, OB and mineral reject dumps	No OB and Mineral reject dump is proposed.	As per proposal	
4c	Number of dumps within lease area and outside of lease area	No OB and Mineral reject dump is proposed.	As per proposal	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No OB and Mineral reject dump is proposed.	As per proposal	
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.	No retaining wall and garland drain is proposed during the year.	No retaining wall and garland drain is constructed during the year.	
4i	Length of Retaining wall or garland drain all along dumps	There is no proposal for construction of garland drain	NA	

4j	Number of settling ponds	There is no proposal for construction of settling pond.	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	YES	
5b	Area under backfilling of mined out area	4.84 Ha.	0.68 HA	
5d	Total area fully reclaimed and rehabilitated	1.66 Ha.	0.27 HA	FOR THE YEAR.
5e	General remarks of inspecting officers on backfilling and reclamation etc.			LESS AREA BACKFILLED AND AFFORESTED.

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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).	Annual report on PMCP submitted	NOT SUBMITTED.	
6b	Area available for rehabilitation (ha) .	4.84 ha (Backfilling area)	0.68 HA	
6c	afforestation done (ha).	1.66 Ha.	0.27 HA	

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6d	No. of saplings planted during the year	3300 nos	500 nos.
6e	Cumulative no .of plants	7160 NOS	1000
6f	Any other method of rehabilitation	NA	NA
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	4.84 Ha.	0.68 ha
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	4.84 Ha.	0.27 ha
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	1.66 Ha.	0.27 ha
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Nil	Nil



6m	Compliance of rehabilitation of waste land within lease (i)afforestation			NO PROPOSAL FOR WASTE LAND.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)			NO PROPOSAL FOR WASTE LAND.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation over backfilled area	Plantation over backfilled area	NO PROPOSAL FOR WASTE LAND.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Ambient Air Quality , Noise level survey & water Quality monitoring in core and buffer zone	Ambient Air Quality (Quarterly basis) , Noise level survey (monthly) & water Quality monitoring (Monthly) has been carried out in core and buffer zone	THEY ARE MONITORED.

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NA	NA	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	
7c	Different grade of mineral sorted out at mines.	NA	NA	

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7d	Any beneficiation process at mines .	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			ROM LIMESTONE IS SENT TO CAPTIVE CEMENT PLANT.

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal and utilization of topsoil	Separate removal and utilization of topsoil has been carried out as per proposal	
8b	Concurrent use or storage of topsoil	Top soil will be spread over backfilled area	As per proposal	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No OB and Mineral reject dump is proposed.	As per proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	overburden, waste rock generated during the year will be used for backfilling purpose	As per proposal	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Backfilling area= 4.84 Ha. Plantation area =1.66	Backfilling area= .68 Plantation area =0.27	

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8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	BASELINE 3260 IN 14-15. AT END OF 15-16.	ADDITIONAL DONE 500 NOS.
8g	Survival rate	85 %	50%
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads to control airborne dust	Water sprinkling on roads has been carried out to control airborne dust
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		SOME BACKFILLING AND PLANTATATION CAN BE SEEN IN MINES AREA.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns			Monthly return and Annual return has been submitted as per rule 45 of MCDR 2017
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager Shri S.K Mahapatra 8, Mining Engineer in charge Shri Bajrang Shrivastava, Geologist in charge Shri Biplab Kumar Banerjee	GIVEN	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Quarry- 40.70Ha. Waste dump- 6 Ha. Infrastructure -1.2Ha. Road- 1Ha.	AS PER FA LIMIT.	

9d	Scrutiny of Annual return on afforestation	(i) Number of trees planted during the year 500 (ii) Survival rate in percentage 50.00	INFORMATION IS GIVEN.LESS.VIOLATION GIVEN.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	0,NO REJECTS	0,NO REJECTS
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	EXMINE - 247.29, cop- 247.29	
9h	Scrutiny of Annual return on fixed assets	604440441- VALUE OF FIXED ASSET GIVEN.	
9k	Scrutiny of Annual return on mining machineries	SHOVEL (HYDRAULIC) 4.200 CUM 2 , DUMPER 18.000 TONNE 10 , BLAST HOST DRILL 150.000 MM 1 , DOZER 320.000 HP 1	THE LIST IS GIVEN ABOVE.

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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(2)	18-OCT-19	09-MAR-20				
	Rule 26(1)	18-OCT-19	09-MAR-20				
MCDR17	Rule 35(1)	18-OCT-19	09-MAR-20				

**Date :**

**(SANDEEP KUMAR SINGH)**

Indian Bureau of Mines