

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

**Review and updation of Mining Plan REPORT**

**Jabalpur regional office**

**Mine file No :** MP/RWA/LST-3

**Mine code :** 38MPR33003

- (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 : 30-OCT-19
- (v) Prev.inspection date : 07-FEB-19

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **NAUBASTA (470. 941 HA)**
- (b) **Registration NO.** : **IBM/720/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MADHYA PRADESH  
District : REWA  
Village : NAUBASTA KACHUR  
Taluka : HUZUR  
Post office : JAYPEE NAGAR  
Pin Code : 486450  
FAX No. :  
E-mail :  
Phone : N. A.
- (f) Police Station :
- (g) First opening date : 10-MAR-86
- (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 : MPR0358
- (b) Lease area : 460.31
- (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: N. A.  
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	04-SEP-02
		Renewal under rule 24 MCR1960	10-JUN-04
		Modif.of approved Mining Plan	29-APR-05
		Mining Scheme rule 12 MCDR1988	15-OCT-09
		Modif.of approved Mining Plan	09-JUL-12
		Modif.approved Mining Scheme	10-JUL-12
		Mining Scheme rule 12 MCDR1988	03-NOV-14

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NA	NA	NO PROPOSAL
1b	Exploration over lease area for geological axis 1 or 2	NA	NA	NIL NIL
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		30.03 million tonnes	RESERVES ARE AS ON 01.04.2019

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	in north block,south block.	in north block.	southblock not worked.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches for topsoil overburden and mineral benches is proposed.OK	Separate benches for topsoil overburden and mineral benches is developed properly.OK	SEPERATE BENCHES
2c	Stripping ratio or ore to OB ratio	1:0.05	1:0.12	MAINTAINED.
2d	Quantity of topsoil generation in m3	9003	7115	
2e	Quantity of overburden generation in m3	68612	79084	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	PIT IN SOUTH BLOCK IS NOT DEVELOPED.PIT IN NORTH WELL DEVELOPED.BENCHES HAVE BEEN DEVELOPED IN SOIL -5MTR,UPTO 8MTR IN ORE.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	02	01	SOUTH PIT NOT DEVELOPED
3b	Quantity of ROM mineral production proposed	1302155 tonne	696670 tonne	
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	

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3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	
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	216.805 Hect	194.992 Hect.	ok
3n	Ore to OB ratio for the pit/mine during the year.	1:0.05	1:0.12	ok
3o	Total area put in use under different heads at the end of year	Quarry-216.805 Ha. Waste dump-0.00 Ha. Infrastructure - 14.75 Ha. Road-6.5 Ha.	Quarry-194.992 Ha. Waste dump-0.00 Ha. Infrastructure - 14.75 Ha. Road-6.5 Ha.	

3p	Production of ROM mineral during the last five year period as applicable	2014-15 Lst:- 2397823 Shale:-440935 2015-16 Lst:- 2523195 Shale:-452430 2016-17 Lst:- 1202038 Shale:-225000 2017-18 Lst:- 1277358 Shale:-136850 2018-19 Lst:- 1302155 Shale:-171530	Lst:-1435872 Shale:-254816 Lst:-1188208 Shale:-186808 Lst:-329696 Shale:-34083 Lst:-417302 Shale:-8514 Lst:-696670 Shale:-0
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3q	General remarks of inspecting officers on method of mining etc.	MECHANISED MINING IS DONE.DEVELOPMENT AND PRODUCTION BOTH LESS.
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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)	No OB and Mineral reject dump is proposed.	As per proposal	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	

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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

#### 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	DONE.	
5b	Area under backfilling of mined out area	NIL	NIL	ONLY SOIL SPREADING IN THIS YEAR.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	STORAGE ,USE.	STORAGE AND THEN USE.	
5d	Total area fully reclaimed and rehabilitated			

#### Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Annual report on PMCP submitted	PMCP return is submitted as per Rule 23E(2) on dated 28.05.2019	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	1.0 Ha.	1.0 HA	ON BACKFILLING
6d	No. of saplings planted during the year	2000 nos	1300 APPROX nos.	ON BACKFILLING
6e	Cumulative no .of plants	NA	NAs.	
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 ( L x B x D	Nil	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	ONLY TOPPING OF ALREADY BACK FILLED PROPOSED.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	1.00 Ha.	1.00 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	1.00 HA	1.00 HA	BACKFILLED AREA
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Nil	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	np	na	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Ambient Air Quality , Noise level survey & water Quality monitoring in core and buffer zone	MONITORING DONE AS PER LEASE. RECORDS WERE NOT AVAILABLE.	VIOLATION ISSUED.

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM	ROM
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
7d	Any beneficiation process at mines	NA	NA

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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	Work done as per proposal	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No OB and Mineral reject dump is proposed.	Work done 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	Work done as per proposal	

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8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Backfilling area= Nil Plantation area =1.0 Ha	Backfilling area= Nil Plantation area =1.00 Ha
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	proposed plantation area -1.00 Ha.	done plantation area - 1.00 Ha.
8g	Survival rate	80 %	80 %
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

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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		Mining Engineer in charge Shri Raneshwar Singh 9. Geologist in charge Shri Amit Ranjan	

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9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Already exploited & abandoned by opencast (O/C) mining 176.082 (ii) Covered under current (O/C) Workings 18.910 (iii) Reclaimed/Rehabilitated 172.600 (v) Occupied by plant, buildings, residential, welfare buildings & roads 21.250	the details are given.	
9d	Scrutiny of Annual return on afforestation	(i) Number of trees planted during the year 1500 (ii) Survival rate in percentage 85.00	Number of trees planted during the year 1300 APPOX. , Survival rate in percentage 85.00	less nos seen on ground.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	0,0	no reject generation	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	no stocks	no stocks maintained.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	no sale, exmine- 246.21 COP-246.21	246.21 ex mine, CoP- 246.21	captive mines
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets (in RS) 604440441	Value of Fixed Assets (in RS) 604440441	

9k      Scrutiny of      1.SHOVEL      the list is given  
Annual return on (HYDRAULIC)  
mining      3.100 CUM 3  
machineries      2.DUMPER  
                         32.000 TONNE-  
                         8 3.BLAST HOST  
                         DRILL 150.000  
                         MM- 2  
                         4.DUMPER  
                         55.000 TONNE-  
                         2 5. DOZER  
                         275.000 HP- 2

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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)	13-FEB-20			
MCDR17	Rule 32(1) (a)	13-FEB-20			
MCDR17	Rule 40	13-FEB-20			
MCDR17	Rule 42	13-FEB-20			

**Date :**

**(SANDEEP KUMAR SINGH)**

Indian Bureau of Mines