

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

Mining Plan Modification REPORT

Jabalpur regional office

Mine file No : MP/REWA/LST-44

Mine code : 38MPR33035

- (i) Name of the Inspecting Officer and ID No. : **KQ06) NARESH KUMAR KATARIYA**
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine Official with Designation : S/Sh A K Verma (Mine Manager), R Jain (M Engr), Mayur
- (iv) Date of Inspection : 06-SEP-19
- (v) Prev. inspection date : 16-FEB-16

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **NAUBASTA (183.937 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
- Taluka : HUZUR
- Post office : JAYPEE NAAGAR
- Pin Code : 486450
- FAX No. : 07662-229218
- E-mail : jrp.mines@jalindia.co.in
- Phone : 0662-229212-229217
- (f) Police Station : Naubasta
- (g) First opening date : 11-NOV-05
- (h) Weekly day of rest : SUN
2. Address for correspondence :
JAIPRAKASH ASSOCIATES LTD.
P.O. JAYPEE NAGAR, DIST. REWA (M.P.) 486450
3. (a) Lease Number : MPR2162
- (b) Lease area : 171.36
- (c) Period of lease : 50
- (d) Date of Expiry : 08-AUG-55
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 : JAIPRAKASH ASSOCIATES LTD.
P.O. JAYPEE NAGAR, REWA
MADHYA PRADESH
Phone: +911126141540
FAX : N. A.

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	29-DEC-04
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	16-MAY-11
	:	MP modif under MCR 1960	30-JUL-16

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	Not proposed	NA	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20		Balance reserve on 31/03/2019: 111 11.343 Million Tones 211 4.9 Million Tones	
1f	General remarks of inspecting officers on geology, exploration etc			

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	the working was proposed in two separate locations designated as pit no. 01 & pit no. 02 in the year 2018-19.	a new pit in the SW corner (near pillar no. 38) was developed which was not as per approved proposals.	Violation pointed out for the same.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:0.15	1:0.12	
2d	Quantity of topsoil generation in m3	252423 m3	13830 m3	the working was proposed in two separate locations designated as pit no. 01 & pit no. 02. But, a new pit in the SW corner (near pillar no. 38) was developed which was not as per approved proposals. Quantity of top soil not as per proposal. Violation pointed out for the same.
2e	Quantity of overburden generation in m3	60627 m3	153705 m3	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		The mine development has been done in a new pit in the SW corner (near pillar no. 38) which was not as per approved proposals.	Violation pointed out for the same.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two pits designated as pit no. 01 & pit no. 02	a new pit in the SW corner (near pillar no. 38) was developed which was not as per approved proposals.	Violation pointed out for the same.
3b	Quantity of ROM mineral production proposed	1841625 Te	1354034 Te	

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	Not proposed	NA
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	YES	YES
3m	Total area covered under excavation/pits	144.643 ha	134.6 Ha

3n	Ore to OB ratio for the pit/mine during the year.	1:0.15	1:0.12	
3o	Total area put in use under different heads at the end of year	144.643 Ha	134.6 Ha	
3p	Production of ROM mineral during the last five year period as applicable	2014-15 = 1678550 T 2015-16 = 1600500 T 2016-17 = 1878350 T 2017-18 = 1894600 T 2018-19 = 1841625 T	2014-15 = 2015-16 = 2016-17 = 2017-18 = 2018-19 =	1095808 T 743648 T 1104448 T 1108042 T 1354034 T
3q	General remarks of inspecting officers on method of mining etc.			

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	YES	YES	
4b	Location of topsoil, OB and mineral reject dumps	NIL	NIL	
4c	Number of dumps within lease area and outside of lease area	NIL	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	
4e	Number of active and alive dumps.	NIL	NIL	

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.	NIL	NIL
4i	Length of Retaining wall or garland drain all along dumps	NA	NA
4j	Number of settling ponds	NA	NA
4k	Specific comments of inspecting officer on waste dump management	Simultaneous backfilling is proposed	Simultaneous backfilling is being done.

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 of mineral	Backfilling is being done after full extraction of mineral as per provided records.	
5b	Area under backfilling of mined out area	3.421 Ha	1.565 Ha	Violation pointed out for the same.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	concurrent use of top soil	concurrent use of top soil	
5d	Total area fully reclaimed and rehabilitated	3.421 Ha	1.565 Ha	Violation pointed out for the same.

5e	General remarks of inspecting officers on backfilling and reclamation etc.	Backfilling is not done as per proposal. Violation pointed out for the same.
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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).	Yes	Not submitted	yearly report in respect of rule 26(2) of MCDR 2017 has not been submitted for the year 2018-19. Violation pointed out for the same.
6b	Area available for rehabilitation (ha) .	3.421Ha	1.565 Ha	Violation pointed out for the same.
6c	afforestation done (ha).	3.421Ha	1.565 Ha	Violation pointed out for the same.
6d	No. of saplings planted during the year	6200	4318	
6e	Cumulative no .of plants	181708	185646	
6f	Any other method of rehabilitation	No	No	
6g	Cost incurred on watch and care during the year	0.93 Lakhs	0.65 Lakhs	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	Nil	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	3.421 Ha	1.521 Ha
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	NA
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not proposed	NA
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Nil	Nil
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	Nil	Nil

6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Yes	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			yearly report in respect of rule 26(2) of MCDR 2017 has not been submitted for the year 2018-19. Violation pointed out for the same.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatch directly in the captive plant.	ROM mineral dispatch directly in the captive plant.	
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	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Concurrent use	Concurrent use
8b	Concurrent use or storage of topsoil	Concurrent use	Concurrent use
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Concurrent use for backfilling	Concurrent use for backfilling
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Concurrent use for backfilling	Concurrent use for backfilling
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Concurrent use for backfilling	Concurrent use for backfilling
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation in the mined out area	Plantation
8g	Survival rate	80%	approx 80 %
8h	Water sprinkling on roads to control airborne dust	Yes	Yes
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR and AR submitted for the year 2018-19	MR and AR submitted for the year 2018-19	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Mine Manager - Sh A K Verma Mining Engr - Sh R Singh Ming Geologist- Sh A Rajan	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	134.6 Ha	
9d	Scrutiny of Annual return on afforestation	Yes	1.565 Ha area	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NA	NA	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	as per AR	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes	as per AR	
9h	Scrutiny of Annual return on fixed assets	Yes	as per AR	
9k	Scrutiny of Annual return on mining machineries	Yes	as per AR	

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)	17-OCT-19	23-APR-20				
MCDR17	Rule 33	17-OCT-19	23-APR-20				
	Rule 26(2)	17-OCT-19	23-APR-20				
	Rule 55	17-OCT-19	23-APR-20				

Date :

(NARESH KUMAR KATARIYA)

Indian Bureau of Mines