

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT 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 : **M009**) **SUDIP RANJAN MAZUMDAR**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri S K Sharma (VP & Mines Agent), Shri Manoj Sharma
Official with
Designation
- (iv) Date of Inspection : 09-FEB-24
- (v) Prev.inspection date : 16-MAR-21

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **NAUBASTA (460.31 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. : NA
E-mail : jrp.mines@jalindia.co.in
Phone : 9755012211
- (f) Police Station : Naubasta
- (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 : MPR0358
- (b) Lease area : 460.31
- (c) Period of lease : 40 Years
- (d) Date of Expiry : 07-AUG-24
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : JAIPRAKASH ASSOCIATES LTD.
 P.O. JAYPEE NAGAR, REWA
 MADHYA PRADESH, PIN 486450
 Phone: 9810096003
 FAX : N. A.

Owner/Nominated : Shri Manoj Gaur
 Owner : A-9/27, Vasant Vihar, New Delhi, Pin 110057
 Phone: 9810096003
 FAX : N. A.
 Email:manoj.gaur@jalindia.co.in

AGENT : SHRI SATYENDRA KUMAR SHARMA
 M/S JP Associates Ltd, P.O: JAYPEENAGAR
 JAYPEE REWA PLANT, REWA (M.P), 486450
 MOBILE NO- 9755012211
 DATE OF APPOINTMENT: 06.11.2021
 EMAIL: satyak.sharma@jalindia.co.in

MANAGER : SHRI ANAND KUMAR MISHRA
 NAUBASTA LIMESTONE MINE, JAYPEE REWA PLANT,
 P.O. JAYPEE NAGAR, DIST: REWA, (M.P)-486450
 DATE OF APPOINTMENT-12-06-2021
 EMAIL- jrp.mines@jalindia.co.in

MINING ENGINEER : SHRI MADHASUDAB PRASAD SHUKLA
 NAME :
 QUALIFICATION : DIPLOMA (MINING) & MINE SURVEYING WITH SECOND CLASS
 APPOINTMENT/ : CERTIFICATE OF COMPETANCY
 TERMINATION DATE : 04.05.2022

GEOLOGIST : SHRI MANOJ KUMAR SHARMA
 NAME :
 QUALIFICATION : M.Sc. (APPLIED GEOLOGY)
 APPOINTMENT/ : 10.03.2023
 TERMINATION DATE :

6. Date of approval of Mining Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	10-JUL-97
		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
		MP review under 17(1) MCR 2016	18-DEC-19

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	There was no exploration proposal for 2021-22	Nil	Nil
1b	Exploration over lease area for geological axis 1 or 2	There was no exploration proposal for 2022-23	Nil	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Proposed	Nil	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposal	Entire ML area has been explored under G1 level of exploration.	Nil
1e	Balance reserve as on 01/04/20	Reserves at the beginning of the year 1.4.2022 was 28,991,299.00 tonnes.	Balance reserves as on 31.3.2023 is 28,638,787.00 tonnes	Nil
1f	General remarks of inspecting officers on geology, exploration etc	In 2022-23, there was no proposal for exploration.	Entire ML area has been explored in G1 level of exploration.	Nil

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Proposed in Kachur Pit (North) & Pit1(South)	Carried out in Kachur Pit (North) & Pit1(South)	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches proposed in overburden and mineral	Separate benches maintained in overburden and mineral	Nil
2c	Stripping ratio or ore to OB ratio	1:0.22 t/cum	1: 0.0022 t/cum	Nil

2d	Quantity of topsoil generation in m3	In 2022-23, the proposal for top soil generation during the year 2022-23 was 40863 cum.	Actual top soil generation was less i.e 300cum	Deviation has been pointed out to lessee through violation letter for less generation of top soil.
2e	Quantity of overburden generation in m3	In 2022-23, the proposal for overburden generation during the year 2022-23 was 170271 cum.	In 2022-23, the actual generation of overburden was 800 cum.	Deviation has been pointed out to lessee through violation letter for less generation of overburden.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Nil	In 2022-23, the generation of ROM and Overburden was less than proposal. Top soil generation was Nil. The deviation has been pointed out to lessee through violation letter.	Nil

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two Pits	Two Pits	Nil
3b	Quantity of ROM mineral production proposed	In 2022-23, the ROM Production proposal was 939553 tonnes.	In 2022-23, the actual ROM Production was 352512 tonnes.	Deviation has been pointed out to lessee through violation letter for less generation of ROM.
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	Nil
3d	Quantity of mineral reject generation	Not Proposed	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Not Proposed	Nil	Nil
3f	Quantity of sub grade mineral generation.	Not Proposed	Nil	Nil

3g	Grade of sub grade mineral generation	Not Proposed	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	Drilling & Blasting Proposed	Drilling & Blasting carried out.	Nil
3k	Provision of mining machineries in mineral benches	Mining Machineries proposed in Mineral benches.	Mining Machineries were utilized in Mineral benches.	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of benches varies from 4m to 8m	Height of benches in overburden and mineral is suitable for method of mining proposed.	Nil
3m	Total area covered under excavation/pits	Total area under excavation/pits at the end of proposal period 2023-24 will be 215.124 Ha	Total area under excavation/pits at the end of 2022-23 is 198.622 Ha	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0.22 t/cum	1: 0.0022 t/cum	Nil
3o	Total area put in use under different heads at the end of year	Total area under different heads at the end of proposal period 2023-24 will be 238.055 Ha	Total area under different heads at the end of 2022-23 is 223.072 Ha	Nil

3p	Production of ROM mineral during the last five year period as applicable	2018-19 1473685 tonnes 2019-20 889823 tonnes 2020-21 1458920 tonnes 2021-22 1167674 tonnes 2022-23 939553 tonnes	2018-19 696670 tonnes 2019-20 254438 tonnes 2020-21 356591 tonnes 2021-22 412672 tonnes 2022-23 352512 tonnes	Nil
3q	General remarks of inspecting officers on method of mining etc.		Violation has been pointed out for less ROM production and overburden generation.	Nil

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Top soil removed shall be utilised for restoration or rehabilitation of the land. Waste generated was proposed for backfilling. There was no proposal for mineral reject generation.	Top soil generated was concurrently utilized in rehabilitation. In 2022-23, there was no backfilling done. There was no generation of mineral reject.	The deviation in backfilling proposal was pointed out to lessee through violation letter.
4b	Location of topsoil, OB and mineral reject dumps	Top soil removed shall be utilised for restoration or rehabilitation of the land. Waste generated was proposed for backfilling. There was no proposal for mineral reject generation.	Top soil generated was concurrently utilized in rehabilitation. In 2022-23, there was no backfilling done. There was no generation of mineral reject.	The deviation in backfilling proposal was pointed out to lessee through violation letter.
4c	Number of dumps within lease area and outside of lease area	One Dump within lease area	One Dump within lease area	Nil

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	Nil
4e	Number of active and alive dumps.	One Dump	One Dump	Nil
4f	Number of dead dumps.	Not Proposed	Nil	Nil
4g	Number of dumps established.	Not proposed	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	In 2022-23, it was proposed to construct 285m of garland drain.	In 2022-23, 285m of garland drain was constructed.	Nil
4i	Length of Retaining wall or garland drain all along dumps	In 2022-23, it was proposed to construct 285m of garland drain.	In 2022-23, 285m of garland drain was constructed.	Nil
4j	Number of settling ponds	Not proposed	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management		In 2022-23, there was no proposal for separate waste dumping. Waste generated was proposed for backfilling.	Nil

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.	In 2022-23, backfilling was proposed over 0.27 Ha in the North Block of the Mining Lease.	In 2022-23, backfilling was not carried out as per proposal. Deviation has been pointed out to lessee through violation letter.	Nil
5b	Area under backfilling of mined out area	In 2022-23, backfilling was proposed over 0.27 Ha in the North Block of the Mining Lease.	In 2022-23, backfilling was not carried out as per proposal. Deviation has been pointed out to lessee through violation letter.	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Top soil removed shall be utilised for restoration or rehabilitation of the land.	Top soil generated was concurrently utilized in rehabilitation.	Nil

5d	Total area fully reclaimed and rehabilitated	174.5 Ha	173.334 Ha	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.		In 2022-23, backfilling was not carried out as per proposal. Deviation has been pointed out to lessee through Violation letter.	Nil

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).	PMCP before 30 June of every year.	Yes, PMCP has been submitted within time.	Submitted along with annual return
6b	Area available for rehabilitation (ha) .	1.20 Ha	2.20 Ha	Nil
6c	afforestation done (ha).	1.20 Ha	2.20 Ha	Nil
6d	No. of saplings planted during the year	3000 Nos	4700 Nos	Nil
6e	Cumulative no .of plants	Not Proposed	193333 Nos	Nil
6f	Any other method of rehabilitation	Not Proposed	Nil	Nil
6g	Cost incurred on watch and care during the year	Rs 1.0 lakh	Rs 1.5 Lakhs	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	0.27 Ha	Nil. Deviation has bene pointed out to lessee through violation letter.	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not Proposed	Nil	Nil

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	1.2 Ha	2.2 Ha	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not Proposed	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not Proposed	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Not Proposed	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Not Proposed	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Not Proposed	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	Carried Out	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		In 2022-23, Backfilling has not been carried out as per proposal. Deviation has been pointed out to lessee through violation letter.	Nil

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise Grade wise Sorting	Grade wise Grade wise Sorting	Grade wise	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical		Nil
7c	Different grade of mineral sorted out at mines.	Limestone of grade from +38% CaO to 51.84% CaO is suitably blended	Cement Grade		Nil
7d	Any beneficiation process at mines .	No Mineral beneficiation process is adopted. Only Dry crushing is proposed.	Dry crushing is practised.		Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Mineral Conservation is carried out as per proposal. Dry crushing is practised.		Nil

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Top soil removed shall be utilised for restoration or rehabilitation of the land.	Top soil generated was concurrently utilized in rehabilitation.	Nil
8b	Concurrent use or storage of topsoil	Top soil removed shall be utilised for restoration or rehabilitation of the land.	Top soil generated was concurrently utilized in rehabilitation.	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed	Nil	Nil

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Overburden and waste rock generated during the year will be used for backfilling.	Nil.	The deviation has been pointed out to lessee through violation letter.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Backfilling: 0.27 Ha, Plantation of backfilled area: 1.2 Ha	Backfilling: Nil, Plantation of backfilled area: 2.2 Ha	The deviation in bakfilling proposal has been pointed out to lessee through violation letter.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	In 2022-23, proposal for 3000 nos of saplings	In 2022-23, actual saplings planted was 4700 nos.	Nil
8g	Survival rate	Not Specified	Survival Rate: 80%	Nil
8h	Water sprinkling on roads to control airborne dust	Water sprinkling Proposed	Water sprinkling done.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Aesthetic beauty in and around mines is maintained.	Nil

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual Return for 2022-23 have been submitted on 30.06.2023 and monthly returns for 2022-23 have been submitted.	Annual Return for 2022-23 have been submitted on 30.06.2023 and monthly returns for 2022-23 have been submitted.	Nil

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer, Geologist and Manager have been employed in the mines.	Mining Engineer, Geologist and Manager have been employed in the mines.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use pattern as per Annual Returns (i) Already exploited and abandoned by opencast (O-C) mining : 176.082 Ha (ii) Covered under current working- 22.54 Ha (iii) Reclaimed-rehabilitated : 173.334 Ha (iv) Used for waste disposal : 1.5 Ha. (v) Occupied by plant, buildings, residential, welfare buildings and road: 21.25 Ha (vi) Work done under progressive mine closure plan during the year: 1.7 Ha	Land use pattern as per Annual Returns (i) Already exploited and abandoned by opencast (O-C) mining : 176.082 Ha (ii) Covered under current working- 22.54 Ha (iii) Reclaimed-rehabilitated : 173.334 Ha (iv) Used for waste disposal : 1.5 Ha. (v) Occupied by plant, buildings, residential, welfare buildings and road: 21.25 Ha (vi) Work done under progressive mine closure plan during the year: 1.7 Ha	Nil
9d	Scrutiny of Annual return on afforestation	Plantation done within lease area 4700 nos.	Plantation done within lease area 4700 nos.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing stock of ROM is Nil	Closing stock of ROM is Nil	Nil

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-Mine Price for cement grade limestone production is Rs 410.76/tonne.	Ex-Mine Price for cement grade limestone production is Rs 410.76/tonne.	Nil
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets Rs 565501896	Value of Fixed Assets Rs 565501896	Nil
9k	Scrutiny of Annual return on mining machineries	SHOVEL (HYDRAULIC): 4 Nos; DUMPER: 5nos; ROCK 5nos; ROCK DRILL (NON-ELEC.): 2 nos; etc.	SHOVEL (HYDRAULIC): 4 Nos; DUMPER: 5nos; ROCK DRILL (NON-ELEC.): 2 nos; etc.	Nil

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)	18-MAR-24			

Date :

(SUDIP RANJAN MAZUMDAR)

Indian Bureau of Mines