

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

**Review and updation of Mining Plan REPORT**

**Jabalpur regional office**

**Mine file No :** MP/KTN/LST-38MPR47119

**Mine code :** 38MPR47119

- (i) Name of the Inspecting : **NQ06** ) **P.NAHAR**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Shri Sandeep Tiwari, Representative, Shri D. Sahu, Rep  
Official with  
Designation
- (iv) Date of Inspection : 23-JAN-19
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **RUPAND (1.077 HA)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : KATNI  
Village : RUPAND  
Taluka : BADWARA  
Post office : RUPAND  
Pin Code :  
FAX No. : NA  
E-mail : NA  
Phone : NA
- (f) Police Station :
- (g) First opening date : 01-OCT-94
- (h) Weekly day of rest :
2. Address for : SHRI YOGESH KUMAR KHARA  
correspondance KHARE BUILDING, GANDHIGANJ, KATNI (M.P.) 483501
3. (a) Lease Number : MPR0779  
(b) Lease area : 1.87  
(c) Period of lease : 20  
(d) Date of Expiry : 11-SEP-14
4. Mineral worked : DOLOMITE Associated  
LIMESTONE Main

## 5. Name and Address of the

Lessee : YOGESH KUMAR KHARA  
KHARE BUILDING GANDHIGANJ,  
KATNI MADHYA PRADESH  
Phone:N. A.  
FAX :N. A.

Owner : YOGESH KUMAR KHARA  
KHARE BUILDING GANDHI GANJ  
KATNI MADHYA PRADESH  
Phone: N. A.  
FAX : N. A.

6. Date of approval of Mining	:	Modif.of approved Mining Plan	18-MAR-13
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	13-JUN-13
	:	Renewal under rule 24 MCR1960	30-OCT-14

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Not proposed.	Not done.	Any exploration neither proposed nor carried out.
1b	Exploration over lease area for geological axis 1 or 2	Not applicable.	Not applicable.	Entire area is already explored under G1 and G2 levels.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not applicable.	Not applicable.	----
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Entire area is explored under G1 and G2 levels.
1e	Balance reserve as on 01/04/20	----	118825	----
1f	General remarks of inspecting officers on geology, exploration etc	----	----	In the Lease area Limestone is found as alternate bands with Dolomite and Phyllite showing N70oE-S70oW dipping with 70o to 80o towards South direction.,belonging to Mahakaushal Group of precambrian age. Any exploration neither proposed nor carried out.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In Entire are except 7.5m barrier zone and Safety barrier along the road.	In Pit No. 2 and 3.	No site deviation.Less delopment is due to less production.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Pit No.1-Soil- Length-140m Width-4m Height-0.5m  Limestone- Length-140m,Width-15m,Ht.-3m Pit No. 2 and 3 -Soil- Length-220m,Width-4m,Ht-0.5m Limestone-L-180m,Width-20m Ht-3m  Limestone-180m	Pit No.1-Soil- Length-180m Width-3m Height-0.5m to 1m  Limestone- Length-140m,Width-16m,Ht.-3m to 10m Pit No. 2 and 3 -Soil- Length-150m,Width-2-4m,Ht-0.5mto 1m Limestone-L-180m,Width-20m Ht-3m-10m	--do--
2c	Stripping ratio or ore to OB ratio	1:0.057	Not noticed.	As on date of inspection the mine was closed.for complaince a violation under ruel 28(1) of MCDR-2017 is being pointed out.
2d	Quantity of topsoil generation in m3	4649.91m3 (Till end of proposal period)	Nil	Entire soil is subsoil which is consumed in afforestation.
2e	Quantity of overburden generation in m3	5951.86m3 (Till end of proposal period)	Not available.	Entire overburden is utilized in road maintainace within the lease area.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	----	----	Limestone of the area is Bedded,Stratiforma nd Tabular Deposit of Irregular Habit. Limestone show 70o to 80o dip due South direction.----- --

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Exploitation:

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Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two	Three	It was proposed to merge Pit No. 2 and 3 into Single Pit.
3b	Quantity of ROM mineral production proposed	14-15-4138.35T 15-16-13244.58T 16-17-10031.15T 17-18-17818.07T 18-19-14567.07T	14-15-74755T 15-16-5800T 16-17-13200T 17-18-2000T 18-19-Nil (Till date of inspection)	An enhancement in production is noticed during 14-15 and 16-17. For clarification a violation under rule 11(1) is being pointed out.
3c	Recovery of sailable/usable mineral from ROM production	95%	Not noticed as mining operation was discontinued.	----
3d	Quantity of mineral reject generation	Any Mineral Reject generation is not anticipated.	Nil	----
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable.	Not applicable.	----
3f	Quantity of sub grade mineral generation.	Any subgrade mineral production is not anticipated.	Nil	----
3g	Grade of sub grade mineral generation	Not applicable.	Not applicable.	----
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	----
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed.	Not done.	----

3j	Provision of drilling and blasting in mineral benches	Proposed.	Not done.	----
3k	Provision of mining machineries in mineral benches	Not proposed.	Not done.	----
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed .	Not done.	----
3m	Total area covered under excavation/pits	1.246Ha	0.273Ha	----
3n	Ore to OB ratio for the pit/mine during the year.	1:0.080Ha	Not noticed as mining operation was discontinued.	----
3o	Total area put in use under different heads at the end of year	1.528Ha	0.273Ha	----
3p	Production of ROM mineral during the last five year period as applicable	14-15-4138.35T 15-16-13244.58T 16-17-10031.15T 17-18-17818.07T 18-19-14567.07T	14-15-74755T 15-16-5800T 16-17-13200T 17-18-2000T 18-19-Nil (Till date of inspection)	An enhancement in production is noticed during 14-15 and 16-17. For clarification a violation under rule 11(1) is being pointed out.
3q	General remarks of inspecting officers on method of mining etc.	----	----	Mining is done at proposed location by open cast method.

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed.	Phyllite as sideburdedn. Which is utilized for road maintenance. All top soil is utilized for spreading over afforested area.	----
4b	Location of topsoil, OB and mineral reject dumps	Proposed near Northern boundary.	Not noticed except small heaps of murrum along 7.5m barrier zone.	----
4c	Number of dumps within lease area and outside of lease area	4Nos.	None	----
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Any major dump is not noticed.Small heaps of murrum are outside UPL.	----
4e	Number of active and alive dumps.	Active and Alive.	None.	----
4f	Number of dead dumps.	4Nos.	None.	----
4g	Number of dumps established.	Not proposed.	Nil	----
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed.	Nil	----
4i	Length of Retaining wall or garland drain all along dumps	Not applicable.	Nil	----
4j	Number of settling ponds	Not proposed.	Nil	----
4k	Specific comments of inspecting officer on waste dump management	----	----	Entire waste has been utilized for road maintenance within the lease area.Any major dump is not noticed in the lease area.

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Solid Waste Management - Backfilling:

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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.	Mineral iscontinued at depth.	----
5b	Area under backfilling of mined out area	0.108Ha For Reclamtion and Rehabilitation of mined out barrier zone only.	Nil	Insufficient waste was generated ,which was utilized for road maintainace within the leasearea.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed.	Not done.	----
5d	Total area fully reclaimed and rehabilitated	0.108Ha	Nil	----
5e	General remarks of inspecting officers on backfilling and reclamation etc.	----	----	Reclamation and Rehabilitation of mined out barrier zone was proposed but it could not be achieved because insufficient waste was generated which was utulized for road maintaince.

#### 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).	----	----	----

6b	Area available for rehabilitation (ha) .	0.108Ha	Nil	Insufficient was generated to backfill.
6c	afforestation done (ha).	25 p.a.	10Nos	----
6d	No. of saplings planted during the year	25Nos.	10Nos.	----
6e	Cumulative no .of plants	125Nos.	10Nos.	----
6f	Any other method of rehabilitation	Not proposed	Nil	----
6g	Cost incurred on watch and care during the year	Rs. 2,000/- p.a.	Records not maintained.	----
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Not proposed.	Nil	Presently, there is not matured pit for reclamation and rehabilitation.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed.	Not done.	----
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed.	None.	----
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not proposed.	Nil.	----

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	25p.a.	10Nos.	----	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not proposed.	Nil.	----	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed.	Nil.	----	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Not proposed.	Nil	----	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	----	----		Presently, there is no matured land for reclamtion andrehabilitation.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Gradewise Sorting and sizing.	Same process is continued.	----
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Sorting manually. Sizing mechanically.	Same process is continued.	----
7c	Different grade of mineral sorted out at mines.	Flux and Cement.	Flux andCement.	----

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7d	Any beneficiation process at mines .	Not proposed.	None.	----
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	----	----	Gradewisesorting is done manually and sizing mechanically. Any beneficiation neither required nor done.

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed.	Not noticed.	----
8b	Concurrent use or storage of topsoil	Not proposed.	Not done.	----
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed.	Some small heaps of waste dump noticed.	Waste generated during the mining has been utilized for road maintenance within the lease area.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposed during the Conceptual Period.	Very small Qty. of waste is generated which is utilized in road maintainace.	----
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposed at the Conceptual Stage.	Not done.	----

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8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	----	Beside 10Nos. of trees painted by the Lessee, large no. of bushes are present in the Lease area.	----
8g	Survival rate	80%	80%	----
8h	Water sprinkling on roads to control airborne dust	Proposed.	There was rain on the day of Inspection, hence not noticed.	----
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	----	----	Mining is carried out in very small area hence aesthetic beauty of the area is not much disturbed.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR-Submitted upto -Nov- 2018. AR submitted upto- 2017-18.	----	----
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	None.	None.	----
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not given .	Pits-0.273Ha	Being pointed out to the Lessee.
9d	Scrutiny of Annual return on afforestation	5Nos.	10Nos.	----

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9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	----
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Stock-30T	Stock-30-40T	Graded and sized near crusher.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of Production-Rs. 185/- Ex. mine price- Rs- 250/- Sale price- Rs.-250/-	----	----
9h	Scrutiny of Annual return on fixed assets	Nil	One Crusher, Office and bore well was noticed.	Being pointed out to the Lessee.
9k	Scrutiny of Annual return on mining machineries	Nil	Nil	Nil

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**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)	08-MAR-10	MCDR17	Rule 11(1)	08-MAR-10
MCDR17	Rule 28(1)	08-MAR-10	MCDR17	Rule 28(1)	08-MAR-10
MCDR17	Rule 27(1)	08-MAR-10	MCDR17	Rule 27(1)	08-MAR-10

**Date :**

**(P . NAHAR)**

Indian Bureau of Mines