

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

**MCDR inspection REPORT  
Jabalpur regional office**

**Mine file No :** MP/KTN/BX-33

**Mine code :** 07MPR47001

- (i) Name of the Inspecting : **C004** ) **ROBERT SIMON C**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Vivekanand Mishra (Mine Geologist)  
Official with  
Designation
- (iv) Date of Inspection : 23-SEP-20
- (v) Prev.inspection date : 21-FEB-18

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **ISMALIA (4.79 HECT,)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : KATNI  
Village : IMALIA  
Taluka : KATNI  
Post office : KATNI  
Pin Code : 483501  
FAX No. : N. A.  
E-mail : N. A.  
Phone : N. A.
- (f) Police Station :
- (g) First opening date : 31-DEC-59
- (h) Weekly day of rest : WED
2. Address for : SHANKAR LAL VISHWAKARMA  
correspondance : MINE OWNER  
JALPA DEVI WARD, KATNI (M.P.) 483501
3. (a) Lease Number : MPR1983
- (b) Lease area : 4.79
- (c) Period of lease : 20
- (d) Date of Expiry : 24-APR-20
4. Mineral worked : LATERITE Associated  
BAUXITE Main

## 5. Name and Address of the

Lessee : SHANKAR LAL VISHWAKARMA  
 JALPA DEVI WARD KATNI  
 MADHYA PRADESH  
 Phone:N. A.  
 FAX :N. A.

Owner : SHANKAR LAL VISHWAKARMA  
 JALPA DEVI WARD KATNI  
 MADHYA PRADESH  
 Phone: N. A.  
 FAX : N. A.

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	18-APR-00
Plan/Scheme of Mining		Renewal under rule 22 MCR1960	18-APR-00
		Mining Scheme rule 12 MCDR1988	29-AUG-08
		Renewal under rule 24 MCR1960	19-APR-10
		Mining Scheme rule 12 MCDR1988	16-JAN-15
		MP review under 17(1) MCR 2016	18-JUL-19

## 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	Entire area explored in 1 G1	Entire area explored in G1	
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	NIL	NIL	
1e	Balance reserve as on 01/04/20	141687 TONNES	141687 TONNES	
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	Not proposed	NA	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not proposed	NA	
2c	Stripping ratio or ore to OB ratio	NA	NA	
2d	Quantity of topsoil generation in m3	NA	NA	

2e	Quantity of overburden generation in m3	NA	NA	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			No development activities proposed as the lease expires on 31/03/2020 and only FMCP activities proposed

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Not proposed	NA	
3b	Quantity of ROM mineral production proposed	NA	NA	
3c	Recovery of sailable/usable mineral from ROM production	NA	NA	
3d	Quantity of mineral reject generation	NA	NA	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	NA	NA	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	

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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	Not proposed	NA	
3k	Provision of mining machineries in mineral benches	Not proposed	NA	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	NA	NA	
3m	Total area covered under excavation/pits	2.55 ha	2.55 ha	
3n	Ore to OB ratio for the pit/mine during the year.	NA	NA	
3o	Total area put in use under different heads at the end of year	3.5011 ha	3.5011 ha	
3p	Production of ROM mineral during the last five year period as applicable	2015-16 5702 2016-17 8221 2017-18 5821 2018-19 6684 2019-20 NIL	2015-16 7000 2016-17 3500 2017-18 2500 2018-19 NIL 2019-20 NIL	
3q	General remarks of inspecting officers on method of mining etc.			No production related activities proposed proposed in the FMCP.

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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)	Not proposed	not done	
4b	Location of topsoil, OB and mineral reject dumps	06 OB dumps in eastern part of the lease	06 OB dumps in eastern part of the lease	
4c	Number of dumps within lease area and outside of lease area	06 dumps within lease area	06 dumps within lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	outside UPL	outside UPL	
4e	Number of active and alive dumps.	nil	nil	
4f	Number of dead dumps.	06	06	
4g	Number of dumps established.	nil	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 proposed	nil	
4j	Number of settling ponds	not proposed	nil	
4k	Specific comments of inspecting officer on waste dump management			The dumps were proposed to be backfilled into the mined out area as envisaged in the FMCP plan but was not carried out . Hence an order under rule 27(5) of MCDR 2017 for forfeiting the surety amount was issued.

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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.	backfilling in east part of lease proposed	not done	
5b	Area under backfilling of mined out area	0.03 ha	Not done	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	plantation	Not done	
5d	Total area fully reclaimed and rehabilitated	0.2 ha	Not done	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The erstwhile leaseholder had not carried out the backfilling operations as envisaged in the FMCP plan. Hence an order under rule 27(5) of MCDR 2017 for forfeiting the surety amount was issued.

## 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.	
6b	Area available for rehabilitation (ha) .	Not proposed	NA	

6c	afforestation done (ha).	NA	NA
6d	No. of saplings planted during the year	NA	NA
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( L x B x D	0.03 ha	not done
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0.03 ha	not done
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	0.2 ha	not done
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	225 nos of saplings around barrier zone	Not done
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	0.15 ha along barrier zone	not done
6p	Compliance of environmental monitoring (core zone and buffer zone)	proposed	Details not submitted



6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			The erstwhile leaseholder had not carried out the PMCP operations envisaged in the FMCP plan. Hence an order under rule 27(5) of MCDR 2017 for forfeiting the surety amount was issued.
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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	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No Mineral conservation & beneficiation activities proposed in the FMCP.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	nil
8b	Concurrent use or storage of topsoil	NA	NA
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Backfilling over a part of mined out area proposed	Not done
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Backfilling over a part of mined out area proposed	Not done
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	proposed	Not done
8g	Survival rate	Not proposed	NA
8h	Water sprinkling on roads to control airborne dust	Not proposed	NA

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The erstwhile leaseholder had not carried out the backfilling operations envisaged in the FMCP plan. Hence an order under rule 27(5) of MCDR 2017 for forfeiting the surety amount was issued.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	proposed	MR submitted upto date. AR not submitted for the year 2019-20.	AR not submitted for the year 2019-20. Also the lease expired on 31/03/2020. An order under rule 27(5) of MCDR 2017 for forfeiting the surety amount was issued.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	NA	NA	AR not submitted for the year 2019-20. Also the lease expired on 31/03/2020. An order under rule 27(5) of MCDR 2017 for forfeiting the surety amount was issued.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NA	NA	AR not submitted for the year 2019-20. Also the lease expired on 31/03/2020. An order under rule 27(5) of MCDR 2017 for forfeiting the surety amount was issued.

9d	Scrutiny of Annual return on afforestation	NA	NA	AR not submitted for the year 2019-20. Also the lease expired on 31/03/2020. An order under rule 27(5) of MCDR 2017 for forfeiting the surety amount was issued.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NA	NA	AR not submitted for the year 2019-20. Also the lease expired on 31/03/2020. An order under rule 27(5) of MCDR 2017 for forfeiting the surety amount was issued.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NA	NA	AR not submitted for the year 2019-20. Also the lease expired on 31/03/2020. An order under rule 27(5) of MCDR 2017 for forfeiting the surety amount was issued.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NA	NA	AR not submitted for the year 2019-20. Also the lease expired on 31/03/2020. An order under rule 27(5) of MCDR 2017 for forfeiting the surety amount was issued.
9h	Scrutiny of Annual return on fixed assets	NA	NA	AR not submitted for the year 2019-20. Also the lease expired on 31/03/2020. An order under rule 27(5) of MCDR 2017 for forfeiting the surety amount was issued.

9k	Scrutiny of Annual return on mining machineries	NA	NA	AR not submitted for the year 2019-20. Also the lease expired on 31/03/2020. An order under rule 27(5) of MCDR 2017 for forfeiting the surety amount was issued.
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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

**Date :**

**(ROBERT SIMON C)**

Indian Bureau of Mines