

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

**MCDR inspection REPORT  
Jabalpur regional office**

**Mine file No :** MP/ANNUPPUR/BX-5

**Mine code :** 07MPR38004

- (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 : 19-MAR-21
- (v) Prev.inspection date : 20-FEB-20

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **GARHI DADAR (4.90 HA)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MADHYA PRADESH  
District : ANUPPUR  
Village : GARHIDADAR  
Taluka : PUSPARAJGARH  
Post office : UMARIA  
Pin Code : 484881  
FAX No. : NA  
E-mail : NA  
Phone : NA
- (f) Police Station :
- (g) First opening date : 01-APR-09
- (h) Weekly day of rest :
2. Address for : SHRI IMTIYAZ KHAN  
correspondance : D-2 RESIDENTAL AREA,  
G.T.O. DISTT. INDORE (M.P.)
3. (a) Lease Number : MPR2372
- (b) Lease area : 4.9
- (c) Period of lease : 20
- (d) Date of Expiry : 26-OCT-28
4. Mineral worked : BAUXITE Main

## 5. Name and Address of the

Lessee : IMTIYAZ KHAN  
D-2 RESEDECENCY AREA G.T.O.  
INDORE (M.P.) INDORE MADHYA  
PRADESH  
Phone:NA  
FAX :NA

Owner : IMTIYAZ KHAN  
D-2 RESEDECENCY AREA G.T.O.  
DISTT. INDORE (M.P.)  
INDORE MADHYA PRADESH  
Phone: NA  
FAX : NA

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 14-AUG-14  
Plan/Scheme of Mining MP review under 17(1) MCR 2016 29-MAR-19

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Np	NA	
1b	Exploration over lease area for geological axis 1 or 2	no proposal	NA	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	no proposal	na	
1d	Balance area to be explored to bring Geological axis in 1 or 2		entire area is placed under G1.	
1e	Balance reserve as on 01/04/20		111-39,575 T, 211-160425	
1f	General remarks of inspecting officers on geology, exploration etc			entire lease area is placed under G1 level. the bauxite bed has thickness 7.5 mtr av and is covered on top by soil (.25 to 2.5 mtr) and laterite -0-1.0mtr. and lithomargic clay is at bottom of bauxite which marks its end of bauxite.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	PIT ONE E-562800 - 562700 N- 2528025 - 2578175	PIT ONE E-562800 - 562700 2528025 - 2578175 -	N- as per plan

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	1 in waste 2 in mineral	1 in waste 2 in mineral	
2c	Stripping ratio or ore to OB ratio	1:.69	1:.65	
2d	Quantity of topsoil generation in m3	5400 M3	5500 m3	
2e	Quantity of overburden generation in m3	3030 m3	2040m3	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			mines is developed in benches.one bench in waste and two benches in ore.benches of 2.5-3.5 mtr height are in ore and upto 2.5 mtr in waste. with 5-8 mtr width are maintained. machines are being used for mining.excavator 1.9 M3 and tippers.

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	27876 t	27870t	
3c	Recovery of sailable/usable mineral from ROM production	not proposed	na	

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3d	Quantity of mineral reject generation	nil	nil	
3e	Grade of mineral rejects generation and threshold value declared.	na	na	
3f	Quantity of sub grade mineral generation.	na	na	
3h	Manual / Mechanised method adopted for segregating from ROM	na	na	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	np	na	
3j	Provision of drilling and blasting in mineral benches	yes	done	jackhammer drilling.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3mtr	yes suitable for mechanised mining	
3m	Total area covered under excavation/pits	4.26 hect	3.75 hect	
3n	Ore to OB ratio for the pit/mine during the year.	1:.69	1:.65	
3o	Total area put in use under different heads at the end of year	PIT 4.26 W/Dump- 0.35 ROads- 0.1	PIT 4.26 W/Dump- 0.25 ROads- 0.1	with in FA limits

3p	Production of ROM mineral during the last five year period as applicable	15-16 46,230 16-17 38,502 17-18 38,502 18-19 35,190 19-20----- 27876	15-16 46,150 16-17 38,475 17-18 20,525 18-19 35,103 19-20 -----27870
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3q	General remarks of inspecting officers on method of mining etc.	MINE IS MECHANISED WORKING in benches for waste removal.. ore is sorted at face itself. sized and loaded for dispatch.
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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)	backfilling	backfilling	
4b	Location of topsoil, OB and mineral reject dumps	nil	nil	backfilling
4c	Number of dumps within lease area and outside of lease area	nil	no dumps outside lease.	one old waste dump is present in lease.
4e	Number of active and alive dumps.	nil	nil	
4f	Number of dead dumps.		one dump	
4g	Number of dumps established.	nil during review	nil in the year	
4h	Whether Retaining wall or garland drain all along dumps are there.	no	nil	

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4i	Length of Retaining wall or garland drain all along dumps	---	---	one waste dump is seen same is levelled to make road near BP E and O.
4k	Specific comments of inspecting officer on waste dump management			only one waste dump of low height is made.it is levelled to make road.

#### 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	full extraction	
5b	Area under backfilling of mined out area	0.4 hect	0.37 hect	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	concurrent	concurrent	
5d	Total area fully reclaimed and rehabilitated	nil	nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			the backfilled area is elevated and not levelled .violation given. lot of area in pit has been backfilled and plantation has been done on same.

#### 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).		NOT SUBMITTED. VIOLATION ISSUED.
6b	Area available for rehabilitation (ha) .	no proposal	
6c	afforestation done (ha).	NP	NA
6d	No. of saplings planted during the year	NP	NA
6f	Any other method of rehabilitation	NP	NA
6g	Cost incurred on watch and care during the year	NP	NA
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D		APPROX 1 HECT AREA AVAILABLE.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0.4 HECT	0.37 HECT
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	0.4 HECT	0.37 HECT

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NP	NA	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	NP	NA	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	NP	SOME PLANTATAION IS DONE ON BARRIERS OF MINE.	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	NP	NA	
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)	PROPOSED	BEING DONE	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			backfilling is being done with plantation on it. Approximately 2.5 hectare area. at some places backfilling not levelled and elevated. violation issued. some plantataion in barrier is seen.

## Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Separted in to grades	Separted in to grades	metal and cement grade.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	manual	manual	
7c	Different grade of mineral sorted out at mines.	Metal /cement	Metal /cement	
7d	Any beneficiation process at mines .	np	na	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Ore is sorted in to metal / cement grades at faces/floor and dispatched.

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	Done	
8b	Concurrent use or storage of topsoil	concurrent	concurrent.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	nil	nil	only one old waste dump.now backfilling

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	proposed	done	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	yes	being done	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	baseline-nil,	plantation done 300 nos.	
8g	Survival rate	--	70% approx.	
8h	Water sprinkling on roads to control airborne dust	yes	done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			water sprayed. plantation is seen on backfilled area .plantation has grown well above 10 ft in some cases.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		yes done.	yes done.

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	ME- AJIT KUMAR GEOLOGIST- NIL	violation for geologist given
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	3.75 PIT/+0.01 ROAD DUMP 0.25 HECT.	with FA limits
9d	Scrutiny of Annual return on afforestation	300 nos given	plantation on backfill
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No rejects/ ROM is dispatched.	ROM is dispatched.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	SALE VALUE- price -642/T. COST of Mining-560T.	
9h	Scrutiny of Annual return on fixed assets	Fixed Assets=23,8488 7 RS (PLANT + MACHINERY)	
9k	Scrutiny of Annual return on mining machineries	16T TIPPER-3 NOS. + ONE VOLVO 360-1.9 M3,+1nos- JACKHAMMER,	list of machinery is given.

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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 26(2)	28-APR-21			
MCDR17	Rule 31(4)	28-APR-21			
MCDR17	Rule 55(1) (1)	28-APR-21			

**Date :**

**(SANDEEP KUMAR SINGH)**

Indian Bureau of Mines