

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

**MCDR inspection REPORT  
Jabalpur regional office**

**Mine file No :** MP/ANUP/BX-4

**Mine code :** 07MPR38003

- (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-FEB-20
- (v) Prev.inspection date : 09-FEB-18

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **CHACHANDIH( 148.181 HA)**
- (b) **Registration NO.** :
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : SHAHDOL  
Village : CHACHANDIH  
Taluka : PUSPARAJGARH  
Post office : RAJANDRAGRAM  
Pin Code : 484881  
FAX No. : 07629-268683  
E-mail :  
Phone : 07629-268683
- (f) Police Station : Rajandragram
- (g) First opening date : 28-DEC-06
- (h) Weekly day of rest : SUN
2. Address for : M.P.STATE MINING CORPORATION  
correspondance Block No. 1, Second Floor, Pariwash Bhawanm  
Jail Road, Arera Hillsm Bhopal (M.P.)
3. (a) Lease Number : MPR2171  
(b) Lease area : 148.18  
(c) Period of lease : 30  
(d) Date of Expiry : 04-JUL-35
4. Mineral worked : BAUXITE Main

## 5. Name and Address of the

Lessee : M.P.STATE MINING CORPORATION  
 PARYAVAS BHAVAN ARERA  
 HILLS, BLOCK-1 JAIL ROAD  
 BHOPAL MADHYA PRADESH  
 Phone:0755-763391  
 FAX :0755-763394

Owner : M.P.STATE MINING CORPORATION  
 PARYAVAS BHAVAN ARERA  
 HILLS, BLOCK-1 JAIL ROAD  
 BHOPAL MADHYA PRADESH  
 Phone: N. A.  
 FAX : N. A.

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	26-MAY-05
Plan/Scheme of Mining		Modif.of approved Mining Plan	28-OCT-05
		Modif.of approved Mining Plan	10-MAR-08
		Mining Scheme rule 12 MCDR1988	17-FEB-12
		Mining Scheme rule 12 MCDR1988	25-FEB-16

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NO PRAPOSAL	NO PRAPOSAL	
1b	Exploration over lease area for geological axis 1 or 2	NO PRAPOSAL	NO PRAPOSAL	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NO PRAPOSAL	NO PRAPOSAL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NO PRAPOSAL	NO PRAPOSAL	
1e	Balance reserve as on 01/04/20		PROVED MINERAL RESERVE-111= 3.239 MIO TONS, PROBABLE MINERAL RESERVE-1.269 MIO TONS	
1f	General remarks of inspecting officers on geology, exploration etc			A SMALL AREA IS UNEXPLORED PLANNED FOR NEXT PERIOD 21-22 17+5

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	quarry 1,2,3	work is done in quarry 1,2, and 3 as per plan.	as per plan.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	YES, 2 IN SOIL & O.B., 1 IN MINERAL	IS SOIL & O.B., 1 IN MINERAL	
2d	Quantity of topsoil generation in m3	31,500	29,200	It is soil and not top soil.
2e	Quantity of overburden generation in m3	63,280 m3	61,200m3	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	PIT IS PROPERLY DEVELOPED BY BENCHING.WORKED OUT PART IS BACKFILLED.
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## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	3	3	
3b	Quantity of ROM mineral production proposed	1,24,936T	1,24,935	
3c	Recovery of sailable/usable mineral from ROM production	ENTIRE ROM USED	ENTIRE ROM USED	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	N/A	N/A	
3f	Quantity of sub grade mineral generation.	N/A	N/A	
3g	Grade of sub grade mineral generation	N/A	N/A	
3h	Manual / Mechanised method adopted for segregating from ROM	MANUAL SCREENING	SCREENING	ok
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	N/A	N/A	

3j	Provision of drilling and blasting in mineral benches	YES, 33MM DIA	BY JACKHEMMER	33MM DIA
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	SIOL-0 -1.5 M. LATERITE-2 MTR-4MTR	SIOL 1.5MTR UP TO 2 MTR LATERITE 3-4 MTR	yes benching suitable for method of mining
3m	Total area covered under excavation/pits	48	44	
3n	Ore to OB ratio for the pit/mine during the year.	1.74	1.80	
3o	Total area put in use under different heads at the end of year	mining-50 hect, infra-.30 hect, roads - .25 hect	47 Mining & OTHER- infra-.30 hect, roads - .25 hect	with in planned limits
3p	Production of ROM mineral during the last five year period as applicable	16-17 124936 17-18 124936 18-19 124936	124950 124930 124935	Within limit
3q	General remarks of inspecting officers on method of mining etc.			mining is run by proper benching and backfilling is practised. soil, laterite and bauxite in three different benches.

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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)	YES	Being Done	
4b	Location of topsoil, OB and mineral reject dumps	YES	Simultaneous back filling	Temporary storage

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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)	N/A	N/A	
4e	Number of active and alive dumps.	N/A	N/A	
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.	N/A	N/A	
4i	Length of Retaining wall or garland drain all along dumps	N/A	N/A	
4j	Number of settling ponds	N/A	N/A	
4k	Specific comments of inspecting officer on waste dump management			Simultaneous Backfilling & reclamation practised

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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.	YES	Mined up to all minerals	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	YES	YES	

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5d	Total area fully reclaimed and rehabilitated	35 HECT.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	GOOD PRCTICE 42 HECT.-BACKFIELD

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Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6b	Area available for rehabilitation (ha) .	N/A	N/A	
6c	afforestation done (ha).	N/A	35 Hect.	
6d	No. of saplings planted during the year	N/A	N/A	
6e	Cumulative no .of plants	N/A	N/A	
6f	Any other method of rehabilitation	N/A	N/A	
6g	Cost incurred on watch and care during the year	N/A	N/A	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	7900M2		AREA AVAILABLE
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	2200m2	1.5 HECT.	PLANTATAION WAS NOT RAISED ON BACKFILLED AS PER PROPOSAL .VIOLATION GIVEN

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6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	N/A	N/A	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	N/A	N/A	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	not applicable.	not done.	
6p	Compliance of environmental monitoring (core zone and buffer zone)	AIR WATER AND NOISE MONITORING	AIR WATER AND NOISE MONITORING IS DONE.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			efforrts are done to reclaim area by backfilling.good green belt can be seen.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM	ROM	ROM is dispatched.

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7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	N/A	N/A	
7c	Different grade of mineral sorted out at mines.	N/A	N/A	
7d	Any beneficiation process at mines .	Screening manual	Screening manual	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			All ROM SUPPLIED AFTER SCREENING

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**Environment :**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	nil	nil	the soil available is utilised.
8b	Concurrent use or storage of topsoil	no top soil	no top soil	Temporary storage less than 1year.soil available is used.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	N/A	BACKFILLING	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	YES	BEING DONE	

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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)	YES GIVEN	YES GIVEN	
8g	Survival rate	80%	60%	
8h	Water sprinkling on roads to control airborne dust	YES	YES	sprinkling being done.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Maintained , monitoring done.lot of plants and green belt in mines can be seen.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	SUBMITTED	SUBMITTED	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	MR YOGESH ME,MR ANIL GEOLOGIST	INFORMATION GIVEN	

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9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	44.5 HECT MINING, 32 OUT OF IT BACKFILLED. 1.5 HECT WASTE -TEMP, .550 - INFRA	WITH IN LIMITS OF fA
9d	Scrutiny of Annual return on afforestation	2000 PLANTS PLANTED.	INFO GIVEN
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL ,NO REJECTS	NO REJECT GENERATED.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	STOCK 1854 TONS OF BAUXITE, GRADE 40-50%, AL2O3.	INFO PROVIDED.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	EXMINE- 876RS/T, cost of production- 722 Rs, sale price-872 RS.	information given
9h	Scrutiny of Annual return on fixed assets	4416000 rs	information is given.
9k	Scrutiny of Annual return on mining machineries	list of machinery used is given s	information provided.

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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)	08-MAY-20			
MCDR17	Rule 35(2)	08-MAY-20			
MCDR17	Rule 11(1)	08-MAY-20			

**Date :**

**(SANDEEP KUMAR SINGH)**

Indian Bureau of Mines