

MCDR inspection REPORT

Jabalpur regional office

Mine file No : MP/REWA/BX-8

Mine code : 07MPR33016

- (i) Name of the Inspecting : G006) ABHISHEK RANJAN GAUTAM
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri Karan Kesarwani, Mining Engineer
Official with
Designation
- (iv) Date of Inspection : 30-JAN-23
- (v) Prev.inspection date : 22-SEP-21

PART-I : GENERAL INFORMATION

1. (a) Mine Name : CHITTI (9.716 HA)
- (b) Registration NO. : ibm/14332/2012
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : REWA
Village : CHITTI JAGAR
Taluka : SIRMOUR
Post office : KUMHARA- JUDWANI
Pin Code : 486445
FAX No. : NA
E-mail : gmcrewa@gmail.com
Phone : 9425055600
- (f) Police Station :
- (g) First opening date : 07-OCT-11
- (h) Weekly day of rest :
2. Address for :
correspondance
3. (a) Lease Number : MPR2649
- (b) Lease area : 9.72
- (c) Period of lease : 30
- (d) Date of Expiry : 06-OCT-39
4. Mineral worked : BAUXITE Main
CLAY (OTHERS) Associated
OCHRE Associated
LATERITE Associated

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5. Name and Address of the

Lessee : JAGDISH DHANERIA
38,JUNI BAZAR KUMAUTPUR
JUNI, INDORE (MP) INDORE
MADHYA PRADESH
Phone:
FAX :

Owner : JAGDISH DHANERIA
119/1, kumawatpura JUNI
INDORE INDORE MADHYA
PRADESH
Phone: NA
FAX : NA

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 12-SEP-14
Plan/Scheme of Mining MP modif under 17(3) MCR 2016 07-MAR-19

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PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Proposed 2 non core drill of 10m depth each against 2019-20 and 4 pits of 3mX3mX3m against 2020-21. e year under review	Exploration done as per proposal.	
1b	Exploration over lease area for geological axis 1 or 2	Entire area has been considered under G1 axis in the approved document under review.	Additional exploratory work proposed against 2019-20 and 2020-21 were carried out but entire area was considered under G1 axis based on extensive mine working in the lease area.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not given in approved document	Details not provided.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	None	Not applicable	
1e	Balance reserve as on 01/04/20		As on 01/04/2022 mineral reserves was 57928 tonne under 121 UNFC codification.	
1f	General remarks of inspecting officers on geology, exploration etc			As per reserve as on 01/04/2022 there is no much more reserve of bauxite(57928 tonne). Close monitoring is required in this case.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	N2749240 to 2749280 and E512130 to 512270	N2749240 to 2749280 and E512130 to 512270	

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2b	Separate benches in topsoil, overburden and minerals (Rule 15)	There is proposal of extraction of bauxite by forming one bench of 2.0m height	Extraction of bauxite mineral carried out from the proposed site with forming regular benches.
2c	Stripping ratio or ore to OB ratio	1:0.25	1:0.11
2d	Quantity of topsoil generation in m3	Not proposed as there is no soil at top.M	Not applicable
2e	Quantity of overburden generation in m3	1720 cubic meter	1600 cubic meter
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		In fact salectively bauxite/ laterite were exploited from the proposed site and mine waste remains left in the site.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	Exploitation of mineral carried out from the site proposed in the approved document.
3b	Quantity of ROM mineral production proposed	13846 tonne	13620 tonne	Reported production is as per proposal
3c	Recovery of sailable/usable mineral from ROM production	70%	As proposed	From ROM bauxite and laterite exploited from the site and rest mine waste left at the site itself. Almost recovery of bauxite is same as proposed.

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3d	Quantity of mineral reject generation	No	No	There is no mineral reject. Laterite is also granted in lease deed hence all the lean grade bauxite mineral i.e laterite is exploited as minor mineral.
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable as there is no mineral reject .	Not applicable	Not applicable as there is no mineral reject .
3f	Quantity of sub grade mineral generation.	There is no sub grade mineral	Not applicable	There is no generation of sub grade mineral
3g	Grade of sub grade mineral generation	Not applicable	Not applicable	Not applicable as there is no generation of sub grademineral.
3h	Manual / Mechanised method adopted for segregating from ROM	Manual as well as mechanised screening.	Manual as well as mechanised screening.	There is no deviation.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Proposed	Not carried out	No deviation.
3j	Provision of drilling and blasting in mineral benches	Not proposed	Not carried out.	No deviation.
3k	Provision of mining machineries in mineral benches	Yes, Hydr. Excavator of 0.9CUM capacity with dumper combination proposed	As perproposal one excavator of 0.9CUM capacity with dumper were seen	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, As mineralisation of bauxite is only 2.0 m and accordingly 2.0m bench height proposed. There is no bench in overburden.	Yes exploitation of bauxite / laterite is being carried out in one bench as proposed.	Yes method of mining of mineral bauxite / laterite is suitable fofor method of mining.

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3m	Total area covered under excavation/pits	0.38hect	Almost same as proposed 0.4.0hect.	There were no signifisant deviation in this regard.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.25	1:0.11	
3o	Total area put in use under different heads at the end of year	Excavation Pit -5.19 ha Backfilled - 1.365 ha Dump - 05.50 ha, Infrastructure - 0.159 ha	Excavation Pit -5.28 ha Backfilled - 1.40 ha Dump - 05.50 ha, Infrastructure - 0.159 ha	Overall 6.53hect area was considered for the calculation of Financial Assurance. It appears thast total lease area under mining and allied activities are not more than the area for which FA had been deposited.
3p	Production of ROM mineral during the last five year period as applicable	17-18 - 8452 Tons 18-19 - 7587 Tons 19-20 - 16812 Tons 20-21 -12342 Tons 21-22 - 13846 Tons	17-18 - 876.23 Tons 18-19 - 11680 Tons 19-20 - 13890 Tons 20-21 -12255 Tons 21-22 - 13620 Tons	It is observed that in2018-19 against targetted production of 7587tonne lessee had produced 11680tonne . Thus excess production carried out during the year 2018-19
3q	General remarks of inspecting officers on method of mining etc.			Mining operation were carried out without forming benches. For excess production remark already given in previous report.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not Proposed as there is no top soil	Not applicable	
4b	Location of topsoil, OB and mineral reject dumps	Not applicable	Not applicable	

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4c	Number of dumps within lease area and outside of lease area	There is no proposal for dump with in lease area ss well as out side lease area.	There is no dump neither within lease area nor out side lease area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not applicable as there is no proposal for dump	There is no dump	
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Not Applicable as there is no proposal	None	
4h	Whether Retaining wall or garland drain all along dumps are there.	50m garland drain and a settling tank near mineral stack proposed near to boundary pillar No.1 boundary pillar no. 9	Garland drain and settling tank senn on proposed site.	
4i	Length of Retaining wall or garland drain all along dumps	50m	50m	
4j	Number of settling ponds	01	01	
4k	Specific comments of inspecting officer on waste dump management			There is no proposal for dump in this review period ,

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.	1926 cubic meter	Nil	Backfilling not done as per proposal near boundary pillar no 04.

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5b	Area under backfilling of mined out area	7720 square m	Properly backfilling work not carried out.	Backfilling not done as per proposal near boundary pillar no 04.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No top soil generated	No top soil generated	
5d	Total area fully reclaimed and rehabilitated	7720 square metre	Reclamation work not done properly.	Violation pointed out for same.
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Proposed backfilling were not found properly.

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).	Proposed	Provided/Submitted	
6b	Area available for rehabilitation (ha) .	Not proposed	Not applicable	
6c	afforestation done (ha).	Proposed in backfilled area	Not done as per proposal	Violation pointed out.
6d	No. of saplings planted during the year	Nil	Nil	In sidea of lease area nd out side of lease area on own land.
6e	Cumulative no .of plants	Not proposed	210 nos.	
6f	Any other method of rehabilitation	Not proposed	Not applicable	
6g	Cost incurred on watch and care during the year	Not proposed	Not applicable	

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6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	1926 cubic meter	In fact systematic mining on proposed site not carried out.	Violation pointed out.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	7720 square meter	Mine waste generated from mining left on at the site.	Deviation pointed out
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Proposed	Not done	Violation pointed out
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	Not applicable	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not proposed	Not applicable	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not proposed	Not applicable	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not proposed	Not applicable	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed	Not applicable	

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6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	Done	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Proposed backfilling were not found properly. Barrier plantation noticed.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	13846 tonne	13620 tonne	No deviation
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual / screening	Manual / screening	
7c	Different grade of mineral sorted out at mines.	13846 tonne	13620 tonne all categorised as 40% to below 45% Al2O3	
7d	Any beneficiation process at mines	No only manual sorting and screening	No only manual sorting and screening	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Mine produces all is used.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	Not applicable	

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8b	Concurrent use or storage of topsoil	Not Applicable as there is no tyop soil.	Not applicable	Lateritic soil is used
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed asd there is no proposal for separate dump for OB,Waste rock reject and fines	Not applicable	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	7720 square metre	Reclamation work not done properly.	Violation pointed out for same.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	proposed	Not done	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes , 30 trees proposed every year.	10 planted.	
8g	Survival rate	80%	75%	
8h	Water sprinkling on roads to control airborne dust	Proposed	Done	

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8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Plantation has been done Plantation nearby area of mineral stack, near office premises and statutory barrier zone of Boundary pillar 10 to 6 were seen. Plantation over about 0.25 hect area own area adjacent to the lease area were also 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		M.R. submitted upto-Jan-2023 A.R. submitted upto-2021-22	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Mining Engineer - Shri Karan Kesarwani Geologist - Not apponited violation pointed out.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Excavation Pit -5.28 ha Backfilled - 1.40 ha Dump - 05.50 ha, Infrastructure - 0.159 ha	
9d	Scrutiny of Annual return on afforestation		10 planted. with 75% survival rate. Plantation on statutory boundary line particularly BPN0. 1 to BP No.5 were seen. Further plantation done in nearby area of mineral stack and nearby area of mine office were also seen.Plantion on own land adjacent to lease area were also seen	

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9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	There is no mineral reject generation in the mine as per approved document . Accordingly information givenin in the return are acceptable.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Mineral stock seen in the mine and found correct.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex Mine Price Cement grade -Rs. 850/ per tonne, Chemical Grade Not reported/produce Cost of production Rs. 511.37/-
9h	Scrutiny of Annual return on fixed assets	Value of fixed assets Rs- 607859/-
9k	Scrutiny of Annual return on mining machineries	FRONT END LOADER - 0.900 CUM - 1 Non Electrical WATER TANKER - 5000.000 LITRE - 1 Non Electrical BACK HOE - 1.200 CUM - 1 Non Electrical DUMPER - 22.000 TONNE - 2 Non Electrica

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Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	28-FEB-23			
MCDR17	Rule 27(1)	28-FEB-23			
MCDR17	Rule 31(1)	28-FEB-23			
MCDR17	Rule 34(1)	28-FEB-23			
MCDR17	Rule 55(1)(1)	28-FEB-23			

Date :**(ABHISHEK RANJAN GAUTAM)**

Indian Bureau of Mines