

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

Mining Plan Modification REPORT

Jabalpur regional office

Mine file No : MP/SATNA/LST.-351

Mine code : 38MPR35327

- (i) Name of the Inspecting : **SQ05**) **DEEPAK SHARMA**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : PAWAN CHAMADIYA MINE REPRESENTATIVE, QP S S BIST
Official with
Designation
- (iv) Date of Inspection : 13-JUL-21
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BHATIA KALA, AREA-107.785**
- (b) **Registration NO.** :
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : SATNA
Village :
Taluka :
Post office :
Pin Code :
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date : 29-SEP-04
- (h) Weekly day of rest : SUN
2. Address for : SHRI MARUTAYA BALAJI STEEL LTD.
correspondance : 5, BENTINCK STREET, KOLKATA
WEST BENGAL PIN-700001
3. (a) Lease Number : MPR2036
(b) Lease area : 107.78
(c) Period of lease : 30
(d) Date of Expiry : 28-SEP-34
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : SHRI MARUTAYA BALAJI STEEL LTD.
5, BENTRICK STREET, KOLKATA
(W.B.) KOLKATA WEST BENGAL
Phone:
FAX :

Owner : SHRI MARUTAYA BALAJI STEEL LTD.
5, BENTRICK STREET, KOLKATA
(W.B.) KOLKATA WEST BENGAL
Phone: AN
FAX : NA

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 01-JUL-14
Plan/Scheme of Mining MP review under 17(1) MCR 2016 20-OCT-20

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	IT WAS PROPOSED TO DRILL 15 NOS OF BOREHOLES IN THE YEAR 2020-21	12 NOS OF BOREHOLES WERE DRILLED IN THE YEAR 2020-21	INSPECTION WAS CARRIED OUT FOR THE MODIFCATION SUBMITTED IN THE YEAR 2021-22, NEW EXPLORATION PROPOSALS WERE INCORPORATED IN THE MODIFICATION
1b	Exploration over lease area for geological axis 1 or 2	EXPLORATION IS DONE UPTO G1 LEVEL (MINERALISED AREA)	UNDER G1-28.97 HECT, G2-38.769, G3-40.046 HECT	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	LESSEE HIMSELF	LESSEE HIMSELF UNDER THE SUPERVISION OF GEOLOGIST	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G1-28.97 HECT, G2-38.769, G3-40.046 HECT	G2-38.769, G3-40.046 HECT NEEDS TO EXPLORED UPTO G1 LEVEL	EXPLORATION PROPOSALS GIVEN IN THE MODIFICATION FOR NEXT YEARS
1e	Balance reserve as on 01/04/20	AS ON 01.04.2020 122-5.53485 222-0.62465	AS ON 01.04.2021 111-5.23 122-11.91 211-1.32 222-2.15	BASED ON LATEST EXPLORATION RESERVE WERE RE-ESTIMATED
1f	General remarks of inspecting officers on geology, exploration etc			ML ATREA BELONGS TO VINDHYAN SUPER GROUP OF ROCKS, LIMESTONE OF THE ML IS LIGHT TO DARK GREY IN COLOUR WITH SHALE BANDS

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	IT WAS PROPOSED TO DEVELOP A QUARRY FO SIZE (184X109x9.5M) IN THE NORTHERN BLOCK TOWARDS THE SOUTH-WEST DIRECTION	THE PROPOSED QUARRY WAS NOT DEVELOPED, AS THE MINE NOT STATED DUE TO STATUTORY COMPLIANCE	DEVIATION RECTIFIED IN THE SUBMITTED MODIFICATION WITH LATEST WORKIGN PROPOSAL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	IT WAS PROPOSED TO DEVELOP 2 BENCHES	MINE WAS NOT STARTED TILL THE TIME OF INSPECTION	DEVIATION RECTIFIED IN THE LATEST MODIFICATION WITH LATEST WORKIGN PROPOSAL
2c	Stripping ratio or ore to OB ratio	1:1.30	NIL-0	
2d	Quantity of topsoil generation in m3	9195 CU METER	NIL-0	
2e	Quantity of overburden generation in m3	66043 CU METER	NIL-0	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			WORKING WAS NOT STARTED TILL THE DATE OF INSPECTION, DEVIATION RECTIFIED IN THE SUBMITTED MODIFICATION WITH LATEST WORKIGN PROPOSAL

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	ONE-1	NIL-0	
3b	Quantity of ROM mineral production proposed	144000 TONNES	NIL-0	

3c	Recovery of sailable/usable mineral from ROM production	80%	NIL-0
3d	Quantity of mineral reject generation	NOT PROPOSED	NOT APPLICABLE
3e	Grade of mineral rejects generation and threshold value declared.	NOT PROPOSED	NOT APPLICABLE
3f	Quantity of sub grade mineral generation.	NOT PROPOSED	NOT APPLICABLE
3g	Grade of sub grade mineral generation	NOT PROPOSED	NOT APPLICABLE
3h	Manual / Mechanised method adopted for segregating from ROM	MECHANISED METHOD PROPOSED	MINE WAS NOT STARTED WORKIGN TILL THE DATE OF INSPECTION
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NOT PROPOSED	NIL
3j	Provision of drilling and blasting in mineral benches	PROPOSED	NIL
3k	Provision of mining machineries in mineral benches	PROPOSED	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	SUITABLE	NIL
3m	Total area covered under excavation/pits	4.50 HECT	NIL-0

3n	Ore to OB ratio for the pit/mine during the year.	1:1.30	NIL-0	
3o	Total area put in use under different heads at the end of year	10.00 HECT	NIL-0	
3p	Production of ROM mineral during the last five year period as applicable	2015-16=150000 2016-17=139500 2017-18=149500 2018-19=147576 2019-20=LAPSE PERIOD NO APPROVED FOR THE YEAR	2015-16=0 2016-17=0 2017-18=0 2018-19=0 2019-20=LAPSE PERIOD NO APPROVED DOCUMENT FOR THE YEAR	MINE WAS NOT IN OPERTAION DUE TO STATUTORY COMPLIANCES
3q	General remarks of inspecting officers on method of mining etc.			MINE WAS NOT IN OPERTAION DUE TO STATUTORY COMPLIANCES, WORKING WAS NOT STARTED TILL THE DATE OF INSPECTION, DEVIATION RECTIFIED IN THE SUBMITTED MODIFICATION WITH LATEST WORKIGN PROPOSAL

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	PROPOSED	NIL	
4b	Location of topsoil, OB and mineral reject dumps	OB WAS PROPOSED TO BE DUPMED IN THE SOUTHERN SIDE OF THE PIT	NOT DONE, MINE WAS NOT STARTED AND PROPOSED EXCAVATION WAS NOT CARRIED OUT THEREFORE OB WASTE SOIL AND MINERAL WERE NOT GENERATED	
4c	Number of dumps within lease area and outside of lease area	ONE OB DUMP WAS PROPOSED WITHIN THE LEASE AREA	NIL	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	WITHIN THE UPL DUMP WAS PROPOSED	NIL, NO DUMPS AVAILABLE IN THE LEASE AREA	
4e	Number of active and alive dumps.	ONE OB DUMP	NO DUMP AVAILABLE IN THE ML	
4f	Number of dead dumps.	NOT PROPOSED	NIL	
4g	Number of dumps established.	NOT PROPOSED	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there.	IT WAS PROPOSED TO PREPARED PROTECTIVE WALL WITH OB SURROUNDING THE PIT	NOT DONE	
4i	Length of Retaining wall or garland drain all along dumps	PROTECTIVE WALL OF 2500 M	NOT DONE	
4j	Number of settling ponds	NOT PROPOSED	NIL	
4k	Specific comments of inspecting officer on waste dump management			MINE WAS NOT RE-STARTED DUE TO STATUTORY COMPLIANCES.

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 OF MINERAL PROPOSED	NIL	
5b	Area under backfilling of mined out area	NOT PROPOSED	NIL	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	PROPOSED	NIL	
5d	Total area fully reclaimed and rehabilitated	NOT PROPOSED	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			FULL EXTRACTION OF MINERAL WAS PROPOSED, HOWEVER MINE NOT STARTED TILL THE DATE OF INSPECTION

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).	PROPSOED	NOT SUBMITTED	
6b	Area available for rehabilitation (ha) .	PROPOSED	NIL	
6c	afforestation done (ha).	PROPOSED	NIL	
6d	No. of saplings planted during the year	PROPOSED	NIL	
6e	Cumulative no .of plants	PROPOSED	NIL	
6f	Any other method of rehabilitation	NOT PROPOSED	NIL	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM DISPATCH WAS PROPOSED	NIL	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NOT PROPOSED	NIL	
7c	Different grade of mineral sorted out at mines.	NOT PROPOSED	NIL	
7d	Any beneficiation process at mines .	NOT PROPOSED	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			INSPECTION WAS CARRIED OUT FOR THE MODIFCATION SUBMITTED IN THE YEAR 2021-22, NEW EXPLORATION PROPOSALS WERE INCORPORATED IN THE MODIFICATION

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	PROPSOED	NIL	
8b	Concurrent use or storage of topsoil	PROPOSED	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	PROPOSED	NIL	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	PROPOSED	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	PROPOSED	NIL	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	PROPOSED	NIL	
8g	Survival rate	PROPOSED	NIL	
8h	Water sprinkling on roads to control airborne dust	PROPOSED	NIL	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			INSPECTION WAS CARRIED OUT FOR THE MODIFICATION SUBMITTED IN THE YEAR 2021-22, NEW EXPLORATION PROPOSALS WERE INCORPORATED IN THE MODIFICATION

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	AR AND MR SUBMITTED ONLINE	MR SUBMITTED FOR 3 NOV-DEC-JAN MONTHS AS ON DATE 17.02.2021. AR NOT SUBMITTED AS THE YEAR NOT COMPLETED YET	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	AR NOT SUBMITTED YET	AR NOT SUBMITTED
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	AR NOT SUBMITTED	AR NOT SUBMITTED
9d	Scrutiny of Annual return on afforestation	AR NOT SUBMITTED	AR NOT SUBMITTED
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	AR NOT SUBMITTED	AR NOT SUBMITTED
9h	Scrutiny of Annual return on fixed assets	AR NOT SUBMITTED	AR NOT SUBMITTED
9k	Scrutiny of Annual return on mining machineries	AR NOT SUBMITTED	AR NOT SUBMITTED

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 :

(DEEPAK SHARMA)

Indian Bureau of Mines