

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

**MCDR inspection 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
Official with
Designation
- (iv) Date of Inspection : 19-MAR-20
- (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

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|---|-----------|-------------|--|
| 1a | Backlog of previous year | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 1b | Exploration over lease area for geological axis 1 or 2 | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 1c | Exploration Agencies and Expenditure in lakh rupees during the year | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 1e | Balance reserve as on 01/04/20 | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 1f | General remarks of inspecting officers on geology, exploration etc | | | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |

Development :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|------|-----------|-------------|---------|
|--------|------|-----------|-------------|---------|

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|----|---|----|-----|--|
| 2a | Location of development w.r.t.lease area | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 2b | Separate benches in topsoil, overburden and minerals (Rule 15) | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 2c | Stripping ratio or ore to OB ratio | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 2d | Quantity of topsoil generation in m3 | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 2e | Quantity of overburden generation in m3 | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |

Exploitation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---------------------------------------|-----------|-------------|--|
| 3a | Number of pit proposed for production | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |

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|----|---|----|-----|--|
| 3b | Quantity of ROM mineral production proposed | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 3c | Recovery of sailable/usable mineral from ROM production | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 3d | Quantity of mineral reject generation | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 3e | Grade of mineral rejects generation and threshold value declared. | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 3f | Quantity of sub grade mineral generation. | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 3g | Grade of sub grade mineral generation | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 3h | Manual / Mechanised method adopted for segregating from ROM | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 3i | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects. | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |

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| 3j | Provision of drilling and blasting in mineral benches | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 3k | Provision of mining machineries in mineral benches | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 3m | Total area covered under excavation/pits | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 3n | Ore to OB ratio for the pit/mine during the year. | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 3o | Total area put in use under different heads at the end of year | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 3p | Production of ROM mineral during the last five year period as applicable | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 3q | General remarks of inspecting officers on method of mining etc. | | | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |

Solid Waste Management - Dumping:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|-----------|-------------|--|
| 4a | Separate dumping of topsoil, OB and mineral rejects (Rule 32,33) | NA | NIL | Mine is closed, no valid document available voilation for rule 11(4) of MCDR 2017 issued. |
| 4b | Location of topsoil, OB and mineral reject dumps | NA | NIL | Mine is closed, no valid document available voilation for rule 11(4) of MCDR 2017 issued. |
| 4c | Number of dumps within lease area and outside of lease area | NA | NIL | Mine is closed, no valid document available voilation for rule 11(4) of MCDR 2017 issued. |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | NA | NIL | Mine is closed, no valid document available voilation for rule 11(4) of MCDR 2017 issued. |
| 4e | Number of active and alive dumps. | NA | NIL | Mine is closed, no valid document available voilation for rule 11(4) of MCDR 2017 issued. |
| 4f | Number of dead dumps. | NA | NIL | Mine is closed, no valid document available voilation for rule 11(4) of MCDR 2017 issued. |
| 4g | Number of dumps established. | NA | NIL | Mine is closed, no valid document available voilation for rule 11(4) of MCDR 2017 issued. |
| 4h | Whether Retaining wall or garland drain all along dumps are there. | NA | NIL | Mine is closed, no valid document available voilation for rule 11(4) of MCDR 2017 issued. |

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|----|--|----|-----|--|
| 4i | Length of Retaining wall or garland drain all along dumps | NA | NIL | Mine is closed, no valid document available voilation for rule 11(4) of MCDR 2017 issued. |
| 4j | Number of settling ponds | NA | NIL | Mine is closed, no valid document available voilation for rule 11(4) of MCDR 2017 issued. |
| 4k | Specific comments of inspecting officer on waste dump management | | | Mine is closed, no valid document available voilation for rule 11(4) of MCDR 2017 issued. |

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. | NA | NIL | Mine is closed, no valid document available voilation for rule 11(4) of MCDR 2017 issued. |
| 5b | Area under backfilling of mined out area | NA | NIL | Mine is closed, no valid document available voilation for rule 11(4) of MCDR 2017 issued. |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32) | NA | NIL | Mine is closed, no valid document available voilation for rule 11(4) of MCDR 2017 issued. |
| 5d | Total area fully reclaimed and rehabilitated | NA | NIL | Mine is closed, no valid document available voilation for rule 11(4) of MCDR 2017 issued. |

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|----|--|--|--|--|
| 5e | General remarks of inspecting officers on backfilling and reclamation etc. | | | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
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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). | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 6b | Area available for rehabilitation (ha) . | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 6c | afforestation done (ha). | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 6d | No. of saplings planted during the year | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 6e | Cumulative no .of plants | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 6f | Any other method of rehabilitation | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |

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|----|--|----|-----|--|
| 6g | Cost incurred on watch and care during the year | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 6h | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 6i | Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 6l | Compliance on reclamation and rehabilitation by backfilling (v)any other specific means. | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 6m | Compliance of rehabilitation of waste land within lease (i)afforestation | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |

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|----|---|----|-----|--|
| 6n | Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha) | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 6o | Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 6p | Compliance of environmental monitoring (core zone and buffer zone) | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. | | | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |

Mineral Conservation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|-----------|-------------|--|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical. | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 7c | Different grade of mineral sorted out at mines. | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |

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|----|--|----|-----|--|
| 7d | Any beneficiation process at mines . | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues | | | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |

Environment:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|-----------|-------------|--|
| 8a | Separate removal and utilization of topsoil (Rule 32) | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 8b | Concurrent use or storage of topsoil | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |

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|----|---|----|-----|--|
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 8f | Baseline information on existence of plantation and additional plantation done (Rule 41) | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 8g | Survival rate | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 8h | Water sprinkling on roads to control airborne dust | NA | NIL | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area | | | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |

Compliance of Rule 45:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|-----------|-------------|--|
| 9a | Status of submission of Monthly and Annual returns | NA | NA | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |

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|----|---|----|----|--|
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | NA | NA | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | NA | NA | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 9d | Scrutiny of Annual return on afforestation | NA | NA | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity) | NA | NA | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | NA | NA | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | NA | NA | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 9h | Scrutiny of Annual return on fixed assets | NA | NA | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |
| 9k | Scrutiny of Annual return on mining machineries | NA | NA | Mine is closed, no valid document available violation for rule 11(4) of MCDR 2017 issued. |

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 11(4) | 04-MAY-20 | | | |

Date :

(DEEPAK SHARMA)

Indian Bureau of Mines