

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

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/REWA/LIMESTONE-60

Mine code : 38MPR33051

(i) Name of the Inspecting : **G005**) **SANJAY M. GIRHE**
Officer and ID No.

(ii) Designation : Regional Mining Geologist

(iii) Accompanying mine :
Official with
Designation

(iv) Date of Inspection : 12-OCT-21

(v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **CHHIJWAR MADHEYPUR & BAHEIYA LST MINE (264.095 HECT.)**
- (b) **Registration NO.** : **IBM/441/2011**
- (c) **Category** : **A Fully Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
State : **MADHYA PRADESH**
District : **REWA**
Village : **Madhepur**
Taluka : **Huzur**
Post office : **Jaypeepuram**
Pin Code : **486450**
FAX No. : **07662-409309**
E-mail : **dinkar.dashora@adityabirla.com**
Phone :
- (f) **Police Station** : **Chorhata**
- (g) **First opening date** :
- (h) **Weekly day of rest** :
2. **Address for correspondence** : **Bela Cement Works, P.O. Jaypeepuram, Dst - Rewa (M.P.)**
3. (a) **Lease Number** :
- (b) **Lease area** : **264.095**
- (c) **Period of lease** : **50 Years**
- (d) **Date of Expiry** : **10-05-2067**
4. **Mineral worked** :

6. Date of approval of Mining :
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|---|---|--|--|
| 1a | Backlog of previous year | 920 meter drilling proposed | No exploration carried out as proposed | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 1b | Exploration over lease area for geological axis 1 or 2 | 920 meter drilling proposed | Not carried out | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 1c | Exploration Agencies and Expenditure in lakh rupees during the year | 920 meter drilling proposed | No exploration carried out | |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | 38.875 Ha area was proposed for G1 conversion | No exploration carried out | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 1e | Balance reserve as on 01/04/20 | 34.298 Mill Tons | 34.298 Mill Tons | No additional reserves were estimated during approved plan period. |

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| 1f | General remarks of inspecting officers on geology, exploration etc | NA | NA | Limestone deposit of ML area belongs to the Nagod limestone formation of Bhandar group. Detailed exploration not carried out so far as mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
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Development :

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|---|--|--|
| 2a | Location of development w.r.t.lease area | Production was proposed at N2714050 to N2714475 to E517950 to E518250 | No excavation/production carried out during the year 2020-21 | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 2b | Separate benches in topsoil, overburden and minerals (Rule 15) | Separate benches in Topsoil, OB & in mineral proposed | Working not carried out during the year 2020-21 | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 2c | Stripping ratio or ore to OB ratio | Proposed as '1:0.21 T/CuM | Working not carried out as proposed | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 2d | Quantity of topsoil generation in m3 | 37000 CuM | Nil | Mining operations yet to be started |
| 2e | Quantity of overburden generation in m3 | Proposed as 45135 CuM | Nil | Mining operations yet to be started |

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| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | NA | NA | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
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Exploitation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|-----------------------------------|-------------------------------------|--|
| 3a | Number of pit proposed for production | Production proposed in single pit | Working not carried out as proposed | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 3b | Quantity of ROM mineral production proposed | 1000000 Tonnes | Nil | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 3c | Recovery of sailable/usable mineral from ROM production | 850000 Tonnes | Nil | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 3d | Quantity of mineral reject generation | Not Proposed | Nil | |
| 3e | Grade of mineral rejects generation and threshold value declared. | Not Proposed | Nil | |
| 3f | Quantity of sub grade mineral generation. | Not Proposed | Nil | |
| 3g | Grade of sub grade mineral generation | Not Proposed | Nil | |

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| 3h | Manual / Mechanised method adopted for segregating from ROM | Not Proposed | Nil | |
| 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 | Drilling, balsting proposed by 115 dia hole | Not Done | |
| 3k | Provision of mining machineries in mineral benches | Exacavator 850 of 4.5 CuM capacity, Dumpers of 55 tonnes capacity, hydraulic drilling machine 115m dia, Dozer etc were proposed | Mining operations not carried out during the year | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | OB bench of 4mts height & 8-9mts height in limestone proposed | No working carried out during the year | |
| 3m | Total area covered under excavation/pits | 12.53 Ha | Nil | |
| 3n | Ore to OB ratio for the pit/mine during the year. | '1:0.21 T/CuM | Nil | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |

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| 3o | Total area put in use under different heads at the end of year | Under Pits - 12.53 Ha | No mining operations carried out | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 3p | Production of ROM mineral during the last five year period as applicable | 1 year - 0 MT 2 year - 250000 MT 3 year - 500000 MT 4 year - 750000 MT 5 year - 1000000 MT | Nil | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 3q | General remarks of inspecting officers on method of mining etc. | NA | NA | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |

Solid Waste Management - Dumping:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|---|---|--|
| 4a | Separate dumping of topsoil, OB and mineral rejects (Rule 32,33) | Separate dumping of top soil, OB proposed on earmarked location | Nil | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 4b | Location of topsoil, OB and mineral reject dumps | Separate dumping were proposed | No mining operation carried out & presently there is no top soil, OB dumps in ML area | Nil |
| 4c | Number of dumps within lease area and outside of lease area | No dumps in ML area | No dumps in ML area | No dumps in ML and outside ML area |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | No Proposals | No dumps in ML and outside ML area | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |

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| 4e | Number of active and alive dumps. | No active dumps in ML area | No active dumps in ML area | Mining operations yet to be commenced |
| 4f | Number of dead dumps. | No Proposals | No dead dumps in ML area | Mining operations yet to be started |
| 4g | Number of dumps established. | No Proposals | Mining operations yet to be commenced. | Nil |
| 4h | Whether Retaining wall or garland drain all along dumps are there. | No Proposals | Nil | Mining operations yet to be commenced |
| 4i | Length of Retaining wall or garland drain all along dumps | No Proposals | Nil | Mining operations yet to be commenced |
| 4j | Number of settling ponds | No Proposals | Nil | Mining operations yet to be commenced |
| 4k | Specific comments of inspecting officer on waste dump management | NA | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |

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. | No Proposals | Nil | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 5b | Area under backfilling of mined out area | No area under backfilled | Mining operations yet to be commenced | |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32) | No Proposals | Nil | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |

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|----|--|--------------|-----|--|
| 5d | Total area fully reclaimed and rehabilitated | Not Proposed | Nil | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 5e | General remarks of inspecting officers on backfilling and reclamation etc. | NA | NA | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |

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). | To be submitted before 1st July of every year | Not submitted as no mining operations started | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 6b | Area available for rehabilitation (ha) . | Not Proposed | Nil | |
| 6c | afforestation done (ha). | Not Proposed | Nil | gg |
| 6d | No. of saplings planted during the year | 582 saplings proposed during the year 2020-21 | No done | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 6e | Cumulative no .of plants | 3638 Nos | Nil | Mining operations yet to be started |
| 6f | Any other method of rehabilitation | Not Proposed | Nil | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |

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| 6g | Cost incurred on watch and care during the year | Not Proposed | Nil | |
| 6h | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D | Not Proposed | Nil | |
| 6i | Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings | Not Proposed | Nil | |
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area | Not Proposed | Nil | |
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir | Not Proposed | Nil | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 6l | Compliance on reclamation and rehabilitation by backfilling (v) any other specific means. | Not Proposed | Nil | |
| 6m | Compliance of rehabilitation of waste land within lease (i) afforestation | Not Proposed | Nil | |

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| 6n | Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha) | Not Proposed | Nil | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 6o | Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation | Not Proposed | Nil | |
| 6p | Compliance of environmental monitoring (core zone and buffer zone) | Periodical Air, Water, Noise monitoring Proposed | Not done | Mining operations yet to be commenced |
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. | NA | NA | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |

Mineral Conservation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|------------------------------------|-------------|--|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | Entire ROM proposed as captive use | Nil | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical. | Not Proposed | Nil | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 7c | Different grade of mineral sorted out at mines. | Not Proposed | Nil | |

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|----|--|--------------|-----|--|
| 7d | Any beneficiation process at mines . | Not Proposed | Nil | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues | NA | NA | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |

Environment:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|-------------------------------------|-------------|--|
| 8a | Separate removal and utilization of topsoil (Rule 32) | Stacking & utilization was proposed | Not done | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 8b | Concurrent use or storage of topsoil | Proposed | Nil | Mining operation yet to be commenced |
| 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 | Not Proposed | Nil | |

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| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | Not Proposed | Nil | |
| 8f | Baseline information on existence of plantation and additional plantation done (Rule 41) | NA | NA | |
| 8h | Water sprinkling on roads to control airborne dust | Water sprinkling is proposed by water tanker | Nil | |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area | NA | NA | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |

Compliance of Rule 45:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|---|-------------|--|
| 9a | Status of submission of Monthly and Annual returns | M.R. not submitted upto- Spet- 2021 A.R. not submitted upto- 2020-21 | Nil | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Annual Return not submitted for 2020-21 | Nil | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |

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| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Annual Return not submitted for 2020-21 | Nil | |
| 9d | Scrutiny of Annual return on afforestation | Annual Return not submitted for 2020-21 | Nil | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity) | Annual Return not submitted for 2020-21 | Nil | |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | Annual Return not submitted for 2020-21 | Nil | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | Annual Return not submitted for 2020-21 | Nil | |
| 9h | Scrutiny of Annual return on fixed assets | Annual Return not submitted for 2020-21 | Nil | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |
| 9k | Scrutiny of Annual return on mining machineries | Annual Return not submitted for 2020-21 | Nil | Mining operations not started so far due to wants of various Statutory permissions like Env. Clearance, CTE, CTO, etc. |

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 :

(SANJAY M. GIRHE)

Indian Bureau of Mines