

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

MCDR INSPECTION REPORT

Guwahati regional office

Mine file No : IBM/GHY/MEG/JNH/LST-16(A)

Mine code : 38MEG03017

- (i) Name of the Inspecting : **S001**) **Sri S. K. MOHAPATRA**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sri D.V Ramanayya (Mines Agent), Sri D.C. Sinha (Mine
Official with
Designation
- (iv) Date of Inspection : 26/08/2018
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **WAHPYNKON MINE-II (13.58)**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : MEGHALAYA
District : JAINTIA HILLS
Village : LUMSHNONG
Taluka : KHLIEHRIAT
Post office : LUMSHNONG
Pin Code : 793210
FAX No. : 03655278217
E-mail : dbansal@starcement.co.in
Phone : 03655278218
- (f) Police Station : Lumshnong
- (g) First opening date : 21/09/2017
- (h) Weekly day of rest : SUN
2. Address for : Lumshnong
correspondance : Khliehriat
East Jaintia Hills, Meghalaya-793210
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : DEVENDER BANSAL
VILLAGE - LUHMSNONG P.O-
KHLIEHRIAT JAINTIA HILLS
JAINTIA HILLS MEGHALAYA
Phone:
FAX :

Owner : DEVENDER BANSAL
JAINTIA HILLS MEGHALAYA
Phone:
FAX :

Agent : DV RAMANAIYA
JAINTIA HILLS MEGHALAYA
Phone:
FAX :

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 | 12 bore hole proposed but the mine was opened on 23.09.2017 so the proposal will be carried out in 2017-18. | 12 bore hole proposed but the mine was opened on 23.09.2017 so the proposal will be carried out in 2017-18. | 12 bore hole proposed but the mine was opened on 23.09.2017 so the proposal will be carried out in 2017-18. |
| 1b | Exploration over lease area for geological axis 1 or 2 | 12 bore hole proposed but the mine was opened on 23.09.2017 so the proposal will be carried out in 2017-18 to convert the entire area under G1 category. | As per the proposal exploration has been carried out and completed in 2017-18. | As per the proposal exploration has been carried out and completed in 2017-18. |
| 1c | Exploration Agencies and Expenditure in lakh rupees during the year | Nil | 25 | Complied. |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | Nil | Nil | the exploration proposal was to convert the entire area to G1 category. |
| 1e | Balance reserve as on 01/04/20 | 430155 tons | 389135 tons | Complied. |
| 1f | General remarks of inspecting officers on geology, exploration etc | 12 bore holes has been drilled and converted entire area under G1 category as per the proposal during the reporting year. | 12 bore holes has been drilled and converted entire area under G1 category as per the proposal during the reporting year. | 12 bore holes has been drilled and converted entire area under G1 category as per the proposal during the reporting year. |

Development :

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|---|---|---|
| 2a | Location of development w.r.t.lease area | North-eastern part of the lease area in between pillar no 38 & 39. | North-eastern part of the lease area in between pillar no 38 & 39. | Carried out as per the proposal during the reporting year. |
| 2b | Separate benches in topsoil, overburden and minerals (Rule 15) | Not proposed for the reporting year. | Not proposed for the reporting year. | Not proposed for the reporting year. |
| 2c | Stripping ratio or ore to OB ratio | 1:0.00 | 1:0.00 | 1:0.00 |
| 2d | Quantity of topsoil generation in m3 | Nil | Nil | Not proposed for the reporting year. |
| 2e | Quantity of overburden generation in m3 | Nil | Nil | Not proposed for the reporting year. |
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | The lessee has been carried out the mining operation as per the proposal during the reporting year. | The lessee has been carried out the mining operation as per the proposal during the reporting year. | The lessee has been carried out the mining operation as per the proposal during the reporting year. |

Exploitation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|----------------|----------------|---|
| 3a | Number of pit proposed for production | 1 | 1 | Complied. |
| 3b | Quantity of ROM mineral production proposed | 41647.500 tons | 41019.570 tons | Complied. |
| 3c | Recovery of sailable/usable mineral from ROM production | 100% | 100% | Complied. |
| 3d | Quantity of mineral reject generation | Nil | Nil | Not proposed during the reporting year. |

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| 3e | Grade of mineral rejects generation and threshold value declared. | Nil | Nil | Not proposed during the reporting year. |
| 3f | Quantity of sub grade mineral generation. | Nil | Nil | Not proposed during the reporting year. |
| 3g | Grade of sub grade mineral generation | Nil | Nil | Not proposed during the reporting year. |
| 3h | Manual / Mechanised method adopted for segregating from ROM | Mechanised | Mechanised | Complied. |
| 3i | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects. | Nil | Nil | Not proposed during the reporting year. |
| 3j | Provision of drilling and blasting in mineral benches | Yes, drilling and blasting proposed. | Yes, drilling and blasting carried out. | Yes, drilling and blasting carried out. |
| 3k | Provision of mining machineries in mineral benches | Yes, sovel and dumper combination. | Yes carried out with sovel and dumper combination. | Yes carried out with sovel and dumper combination. |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Yes, 3mtr. | Yes, 3mtr. | Yes, 3mtr. |
| 3m | Total area covered under excavation/pits | 1.12 Ha. | 1.12 Ha. | |
| 3n | Ore to OB ratio for the pit/mine during the year. | 1:00 | 1:00 | 1:00 |
| 3o | Total area put in use under different heads at the end of year | 1.12 Ha. | 1.12 Ha. | 1.12 Ha. |

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|----|--|--|--|--|
| 3p | Production of ROM mineral during the last five year period as applicable | The mine was open on 21.09.2017, hence not applicable. | The mine was open on 21.09.2017, hence not applicable. | The mine was open on 21.09.2017, hence not applicable. |
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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) | Nil | Nil | Not proposed during the reporting year. |
| 4b | Location of topsoil, OB and mineral reject dumps | Nil | Nil | Not proposed during the reporting year. |
| 4c | Number of dumps within lease area and outside of lease area | Nil | Nil | Not proposed during the reporting year. |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | Nil | Nil | Not proposed during the reporting year. |
| 4e | Number of active and alive dumps. | Nil | Nil | Not proposed during the reporting year. |
| 4f | Number of dead dumps. | Nil | Nil | Not proposed during the reporting year. |
| 4g | Number of dumps established. | Nil | Nil | Not proposed during the reporting year. |
| 4h | Whether Retaining wall or garland drain all along dumps are there. | Nil | Nil | Not proposed during the reporting year. |
| 4i | Length of Retaining wall or garland drain all along dumps | Nil | Nil | Not proposed during the reporting year. |
| 4j | Number of settling ponds | Nil | Nil | Not proposed during the reporting year. |

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| 4k | Specific comments of inspecting officer on waste dump management | No such specific proposal for waste dump management. | No such specific proposal for waste dump management. | No such specific proposal for waste dump management. |
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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. | Nil | Nil | No such proposal for the reporting year. |
| 5b | Area under backfilling of mined out area | Nil | Nil | No such proposal for the reporting year. |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32) | Nil | Nil | No such proposal for the reporting year. |
| 5d | Total area fully reclaimed and rehabilitated | Nil | Nil | No such proposal for the reporting year. |
| 5e | General remarks of inspecting officers on backfilling and reclamation etc. | No such proposal for the reporting year. | No such proposal for the reporting year. | No such proposal for the reporting year. |

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). | Annual report of PMCP to be submitted. | Annual report of PMCP has not been submitted. | Annual report of PMCP has not been submitted. |

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|----|--|--------------|--------------|---|
| 6b | Area available for rehabilitation (ha) . | Nil | Nil | Not proposed during the reporting year. |
| 6c | afforestation done (ha). | 0.10 Ha | 0.10 Ha | Complied |
| 6d | No. of saplings planted during the year | 160 saplings | 160 saplings | Complied. |
| 6e | Cumulative no .of plants | 160 saplings | 160 saplings | Complied. |
| 6f | Any other method of rehabilitation | Nil | Nil | Not proposed during the reporting year. |
| 6g | Cost incurred on watch and care during the year | Nil | Nil | Not proposed during the reporting year. |
| 6h | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D | Nil | Nil | Not proposed during the reporting year. |
| 6i | Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings | Nil | Nil | Not proposed during the reporting year. |
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area | Nil | Nil | Not proposed during the reporting year. |
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir | Nil | Nil | Not proposed during the reporting year. |

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| 6l | Compliance on reclamation and rehabilitation by backfilling (v)any other specific means. | Nil | Nil | Not proposed during the reporting year. |
| 6m | Compliance of rehabilitation of waste land within lease (i)afforestation | Nil | Nil | Not proposed during the reporting year. |
| 6n | Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha) | Nil | Nil | Not proposed during the reporting year. |
| 6o | Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation | Nil | Nil | Not proposed during the reporting year. |
| 6p | Compliance of environmental monitoring (core zone and buffer zone) | Air, Noise and Water quality monitoring will be done. | Air, Noise and Water quality monitoring has carried out as per the proposal. | Air, Noise and Water quality monitoring has carried out as per the proposal. |
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. | Lesse has carried out afforestation as per the proposal during the reporting year. | Lesse has carried out afforestation as per the proposal during the reporting year. | Lesse has carried out afforestation as per the proposal during the reporting year. |

Mineral Conservation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|-----------|-------------|--|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | Nil | Nil | No such proposal for the reporting year. |

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| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical. | Nil | Nil | No such proposal for the reporting year. |
| 7c | Different grade of mineral sorted out at mines. | Nil | Nil | No such proposal for the reporting year. |
| 7d | Any beneficiation process at mines . | Nil | Nil | No such proposal for the reporting year. |
| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues | No such proposal for the reporting year. | No such proposal for the reporting year. | No such proposal for the reporting year. |

Environment:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|-----------|-------------|---|
| 8a | Separate removal and utilization of topsoil (Rule 32) | Nil | Nil | Not proposed during the reporting year. |
| 8b | Concurrent use or storage of topsoil | Nil | Nil | Not proposed during the reporting year. |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | Nil | Nil | Not proposed during the reporting year. |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | Nil | Nil | Not proposed during the reporting year. |

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|----|---|--|--|--|
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | Nil | Nil | Not proposed during the reporting year. |
| 8f | Baseline information on existence of plantation and additional plantation done (Rule 41) | 160 saplings | 160 saplings | Complied. |
| 8g | Survival rate | Nil | 69 | Complied. |
| 8h | Water sprinkling on roads to control airborne dust | Proposal for Water sprinkling by Water Tanker on haul roads. | Water sprinkling by Water Tanker on haul roads has been carried out. | Water sprinkling by Water Tanker on haul roads has been carried out. |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area | Proposal given for afforestation and water sprinkling. | Afforestation and water sprinkling carried out as per the proposal. | Afforestation and water sprinkling carried out as per the proposal. |

Compliance of Rule 45:

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|---|---|--|--|
| 9a | Status of submission of Monthly and Annual returns | As per Rule 45 of MCDR 2017 Annual return and monthly return has to be submitted. | As per Rule 45 of MCDR 2017 Annual return and monthly return has been submitted. | As per Rule 45 of MCDR 2017 Annual return and monthly return has been submitted. |
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Mining Engineer and Geologist to be appointed. | Mining Engineer and Geologist has been appointed. | Mining Engineer and Geologist has been appointed. |

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| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Proposed as per approved MP. | Carried out as per proposal. | Complied. |
| 9d | Scrutiny of Annual return on afforestation | 160 saplings | 160 saplings | 160 saplings |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity) | Nil | Nil | Complied. |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | Nil | Nil | Complied. |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | Rs. 258.60 | Rs. 258.60 | Rs. 258.60 |
| 9h | Scrutiny of Annual return on fixed assets | Rs. 13427371/- | Rs. 13427371/- | Rs. 13427371/- |
| 9k | Scrutiny of Annual return on mining machineries | As proposed in MP | Carried out as per proposal. | Carried out as per proposal. |

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 :

(Sri S. K. MOHAPATRA)

Indian Bureau of Mines