

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

**MCDR INSPECTION REPORT**

**Guwahati regional office**

**Mine file No :** IBM/GHY/ASM/KAB/LST-1

**Mine code :** 38ASM06002

- (i) Name of the Inspecting : **SQ01** ) **Sri S. K. MOHAPATRA**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sri D. Samadder & S.Bhattacharya- Mining Engineer  
Official with  
Designation
- (iv) Date of Inspection : 25/09/2018
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **DILLAIPARBAT**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : ASSAM  
District : KARBI ANGLONG  
Village : DILLAIPARBAT  
Taluka : KOILA PAHAR  
Post office :  
Pin Code : 782480  
FAX No. :  
E-mail : bokajancementmines@gmail.co  
Phone : 03675-246106
- (f) Police Station : Bokajan
- (g) First opening date : 25/03/1973
- (h) Weekly day of rest : SUN
2. Address for : Koilajan  
correspondance : Bokajan  
Karbi Anglong-782480, Assam.
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 : M/s Cement Corporation of India Limited.  
Village-Koilajan, P.O-  
Bokajan, Dist- Karbi  
Anglong KARBI ANGLONG  
ASSAM  
Phone: 03675-246106  
FAX :

Owner : Sri B.V.N Prasad  
M/s.Cement Corporation of  
India Ltd Core-V, SCOPE  
Complex, 7- Lodhi Road, New  
Delhi. DELHI DELHI  
Phone: 011-24360015  
FAX :

Agent : Sri Ajit Shukla  
Koilajan Bokajan Karbi  
Anglong KARBI ANGLONG ASSAM  
Phone: 03675-246106  
FAX :

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

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## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

| Sl.No. | Item                                                                | Proposals                                                                                                            | Actual work                                                                                                          | Remarks                                                                                                              |
|--------|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| 1a     | Backlog of previous year                                            | Nil                                                                                                                  | Nil                                                                                                                  | Exploration has not been proposed during the reporting year as the entire lease area was explored under G1 category. |
| 1b     | Exploration over lease area for geological axis 1 or 2              | Nil                                                                                                                  | Nil                                                                                                                  | Exploration has not been proposed during the reporting year as the entire lease area was explored under G1 category. |
| 1c     | Exploration Agencies and Expenditure in lakh rupees during the year | Nil                                                                                                                  | Nil                                                                                                                  | Exploration has not been proposed during the reporting year as the entire lease area was explored under G1 category. |
| 1d     | Balance area to be explored to bring Geological axis in 1 or 2      | Nil                                                                                                                  | Nil                                                                                                                  | Exploration has not been proposed during the reporting year as the entire lease area was explored under G1 category. |
| 1e     | Balance reserve as on 01/04/20                                      | 13.190 million tonnes                                                                                                | 13.190 million tonnes                                                                                                | 13.190 million tonnes                                                                                                |
| 1f     | General remarks of inspecting officers on geology, exploration etc  | Exploration has not been proposed during the reporting year as the entire lease area was explored under G1 category. | Exploration has not been proposed during the reporting year as the entire lease area was explored under G1 category. | Exploration has not been proposed during the reporting year as the entire lease area was explored under G1 category. |

## Development :

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

|    |                                                                                         |                                                                                                                  |                                                                                                                  |                                                                                                                  |
|----|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| 2a | Location of development w.r.t.lease area                                                | As per the proposal of RoMP                                                                                      | Partially carried out as per the per the proposal.                                                               | Partially carried out as per the per the proposal.                                                               |
| 2b | Separate benches in topsoil, overburden and minerals (Rule 15)                          | Yes, Proposed                                                                                                    | Yes, Carried out                                                                                                 | Yes, Carried out                                                                                                 |
| 2c | Stripping ratio or ore to OB ratio                                                      | 1:2.29                                                                                                           | 1:1.88                                                                                                           | 1:1.88                                                                                                           |
| 2d | Quantity of topsoil generation in m3                                                    | Nil                                                                                                              | Nil                                                                                                              | Nil                                                                                                              |
| 2e | Quantity of overburden generation in m3                                                 | 250991 Cum                                                                                                       | 100204 Cum                                                                                                       | 100204 Cum                                                                                                       |
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | The lesse has carried out partially as per the proposal and could not achieved the targeted production proposal. | The lesse has carried out partially as per the proposal and could not achieved the targeted production proposal. | The lesse has carried out partially as per the proposal and could not achieved the targeted production proposal. |

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#### Exploitation:

| Sl.No. | Item                                                    | Propasals   | Actual work | Remarks                                 |
|--------|---------------------------------------------------------|-------------|-------------|-----------------------------------------|
| 3a     | Number of pit proposed for production                   | 2           | 2           | Complied                                |
| 3b     | Quantity of ROM mineral production proposed             | 273895 tons | 132658 tons | 132658 tons                             |
| 3c     | Recovery of sailable/usable mineral from ROM production | 100%        | 100%        | 100%                                    |
| 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.                                    | NA                                                  | NA                                                  | NA                                                  |
| 3f | Quantity of sub grade mineral generation.                                                            | Nil                                                 | Nil                                                 | Not proposed during the reporting year.             |
| 3g | Grade of sub grade mineral generation                                                                | NA                                                  | NA                                                  | NA                                                  |
| 3h | Manual / Mechanised method adopted for segregating from ROM                                          | Mechanised                                          | Mechanised                                          | Mechanised                                          |
| 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, carried out with 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 | 8 mtr                                               | 8 mtr                                               | 8 mtr                                               |
| 3m | Total area covered under excavation/pits                                                             | 45.90 Hect                                          | 45.00 Hect                                          | 45.00 Hect                                          |
| 3n | Ore to OB ratio for the pit/mine during the year.                                                    | 1:2.29                                              | 1:1.88                                              | 1:1.88                                              |
| 3o | Total area put in use under different heads at the end of year                                       | 45.90 Hect                                          | 45.00 Hect                                          | 45.00 Hect                                          |

|    |                                                                          |                                                                                                                         |                                                                                                                         |                                                                                                                         |
|----|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| 3p | Production of ROM mineral during the last five year period as applicable |                                                                                                                         | 649612 tons                                                                                                             | 649612 tons                                                                                                             |
| 3q | General remarks of inspecting officers on method of mining etc.          | The lesse has partially carried out mining as per the proposal and could not achieved the targeted production proposal. | The lesse has partially carried out mining as per the proposal and could not achieved the targeted production proposal. | The lesse has partially carried out mining as per the proposal and could not achieved the targeted production proposal. |

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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)   | OB dump proposed separately | Carried out as per proposal     | Carried out as per proposal     |
| 4b     | Location of topsoil, OB and mineral reject dumps                   | As per the proposal of RoMP | Carried out as per the proposal | Carried out as per the proposal |
| 4c     | Number of dumps within lease area and outside of lease area        | 5- WL                       | 5- WL                           | 5- WL                           |
| 4d     | Location of dumps w.r.t. ultimate pit limit (Rule 16)              | Within UPL                  | Within UPL                      | Within UPL                      |
| 4e     | Number of active and alive dumps.                                  | 2                           | 2                               | 2                               |
| 4f     | Number of dead dumps.                                              | 3                           | 3                               | 3                               |
| 4g     | Number of dumps established.                                       | Nil                         | Nil                             | Nil                             |
| 4h     | Whether Retaining wall or garland drain all along dumps are there. | Around the active dumps     | Around the active dumps         | Around the active dumps         |

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|----|------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 4i | Length of Retaining wall or garland drain all along dumps        | 40 mtr                                                  | 40 mtr                                                  | 40 mtr                                                  |
| 4j | Number of settling ponds                                         | Nil                                                     | 1                                                       | 1                                                       |
| 4k | Specific comments of inspecting officer on waste dump management | The lesse haas carried out OB dump as per the proposal. | The lesse haas carried out OB dump as per the proposal. | The lesse haas carried out OB dump as per the proposal. |

#### 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                                                               | Nil                                                               |
| 5b     | Area under backfilling of mined out area                                                      | 3.75 Ha                                                           | 3.75 Ha                                                           | Backfilled earlier.                                               |
| 5c     | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)     | Nil                                                               | Nil                                                               | Nil                                                               |
| 5d     | Total area fully reclaimed and rehabilitated                                                  | 3.75 Ha.                                                          | 3.75 Ha.                                                          | 3.75 Ha. backfilled earlier.                                      |
| 5e     | General remarks of inspecting officers on backfilling and reclamation etc.                    | 3.75 ha area was backfilled earlier after extraction of minerals. | 3.75 ha area was backfilled earlier after extraction of minerals. | 3.75 ha area was backfilled earlier after extraction of minerals. |

#### Progressive Mine Clousre Plan:

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

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|----|------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------------|-----------------------------------------------|
| 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. |
| 6b | Area available for rehabilitation (ha) .                                                                   | Nil                                    | Nil                                           | Not proposed during the reporting year.       |
| 6c | afforestation done (ha).                                                                                   | 0.40 ha                                | 0.80 ha                                       | 0.80 ha                                       |
| 6d | No. of saplings planted during the year                                                                    | 280 saplings                           | 330 saplings                                  | 330 saplings                                  |
| 6e | Cumulative no .of plants                                                                                   |                                        | 16130 saplings                                | 16130 saplings                                |
| 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.       |

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|----|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv)<br>Rehabilitation by making water reservoir | Nil                                                                                                              | Nil                                                                                                              | Not proposed during the reporting year.                                                                          |
| 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.            | Lessee has carried out afforestation and environmental monitoring as per the proposal during the reporting year. | Lessee has carried out afforestation and environmental monitoring as per the proposal during the reporting year. | Lessee has carried out afforestation and environmental monitoring as per the proposal during the reporting year. |

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## Mineral Conservation:

| Sl.No. | Item                                                                                   | Propasals                                           | Actual work                                         | Remarks                                             |
|--------|----------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|
| 7a     | ROM Mineral dispatch or grade-wise sorting within lease area                           | ROM dispatched directly to crusher plant from mine. | ROM dispatched directly to crusher plant from mine. | ROM dispatched directly to crusher plant from mine. |
| 7b     | Method of grade-wise mineral sorting i.e. manual or mechanical.                        | Mechanical                                          | Mechanical                                          | Mechanical                                          |
| 7c     | Different grade of mineral sorted out at mines.                                        | Nil                                                 | Nil                                                 | Nil                                                 |
| 7d     | Any beneficiation process at mines .                                                   | Nil                                                 | Nil                                                 | Not proposed during the reporting year.             |
| 7e     | General remarks of inspecting officer on Mineral conservation and beneficiation issues | No such specific proposal for the reporting year.   | No such specific proposal for the reporting year.   | No such specific proposal for the reporting year.   |

## Environment:

| Sl.No. | Item                                                                   | Propasals  | Actual work | Remarks                                 |
|--------|------------------------------------------------------------------------|------------|-------------|-----------------------------------------|
| 8a     | Separate removal and utilization of topsoil (Rule 32)                  | Nil        | Nil         | Nil                                     |
| 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) | 5 OB dumps | 5 OB dumps  | 5 OB dumps                              |

|    |                                                                                                             |                                                                                               |                                                                                               |                                                                                               |
|----|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| 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.                                                       |
| 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)                    | 280 Saplings                                                                                  | 330 Saplings                                                                                  | 330 Saplings                                                                                  |
| 8g | Survival rate                                                                                               | 82%                                                                                           | 75%                                                                                           | 75%                                                                                           |
| 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                          | The lesse has carried out afforestation and water sprinkling carried out as per the proposal. | The lesse has carried out afforestation and water sprinkling carried out as per the proposal. | The lesse has carried out afforestation and water sprinkling carried out as per the proposal. |

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Compliance of Rule 45:

| Sl.No. | Item                                               | Propasals                                                                         | 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. |

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|----|-----------------------------------------------------------------------------------------------|------------------------------------------------|---------------------------------------------------|---------------------------------------------------|
| 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. |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Proposed as per approved RoMP.                 | Carried out as per proposal.                      | Carried out as per proposal.                      |
| 9d | Scrutiny of Annual return on afforestation                                                    | 280 Saplings                                   | 330 Saplings                                      | 330 Saplings                                      |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity)                   | Nil                                            | Nil                                               | Nil                                               |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore                                      | Nil                                            | Nil                                               | Nil                                               |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost                   | Rs. 495/-                                      | Rs. 495/-                                         | Rs. 495/-                                         |
| 9h | Scrutiny of Annual return on fixed assets                                                     | Nil                                            | Nil                                               | Nil                                               |
| 9k | Scrutiny of Annual return on mining machineries                                               | As proposed in RoMP.                           | Carried out as per proposal.                      | Carried out as per proposal.                      |

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**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