

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

MCDR INSPECTION REPORT

Guwahati regional office

Mine file No : IBM/GHY/MEG/JHN/LST-9

Mine code : 38MEG03011

- (i) Name of the Inspecting : **S001**) **Sri S. K. MOHAPATRA**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sanjay Kumar, M.K. Sinha
Official with
Designation
- (iv) Date of Inspection : 06/12/2018
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **UMSOO-MOOTANG, BLOCK-II**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : MEGHALAYA
District : JAINTIA HILLS
Village :
Taluka :
Post office :
Pin Code :
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest : SUN
2. Address for :
correspondance :
3. (a) Lease Number : MEG0032
(b) Lease area : 4.9
(c) Period of lease : 20
(d) Date of Expiry : 24/09/2029
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : DALMIA CEMENT BHARAT LIMITED (ADHUNIK)
LUMHSNONG JAINTIA HILLS
MEGHALAYA
Phone:
FAX :

Owner : VENKATESAN TYGARAJAN
JAINTIA HILLS MEGHALAYA
Phone:
FAX :

Agent : SANJAY KUMAR
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	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	Nil	Nil (As the lease area is small and entire area has been explored).	Nil (As the lease area is small and entire area has been explored).
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Nil
1e	Balance reserve as on 01/04/20	314546 TONS (as on 31.3.2018)	314546 TONS (as on 31.3.201	314546 TONS (as on 31.3.201
1f	General remarks of inspecting officers on geology, exploration etc	The lease area is small and entire area has been already explored.	The lease area is small and entire area has been already explored.	The lease area is small and entire area has been already explored.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Main Pit, as per the proposal given in RoMP.	Carried out as per the proposal given in main pit.	Carried out as per the proposal given in RoMP in main pit.
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	1:0.0	1:0.0	Complied.
2d	Quantity of topsoil generation in m3	Nil	Nil	Not available in the mining lease area.

2e	Quantity of overburden generation in m3	Nil	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The pit configuration is not as per the approved document. Violation has been issued on existing pit configuration.	The pit configuration is not as per the approved document. Violation has been issued on existing pit configuration.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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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	Nil
4b	Location of topsoil, OB and mineral reject dumps	OB TO BE BACKFILLED. NO OTHER REFUSE GENERATION	Nil	
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	Nil
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	Nil	Nil	Nil
4g	Number of dumps established.	Nil	Nil	Nil

4h	Whether Retaining wall or garland drain all along dumps are there.	NA	NA	
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management	BACKFILLING WAS PROPOSED	BACKFILLING WAS PROPOSED. BUT NO BACKFILLING DONE.	BACKFILLING WAS PROPOSED. BUT NO BACKFILLING DONE.

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.	EXISTING PIT UPTO 605 MRL. BUT MINING PROPOSED BENEATH THE CITED MRL.	NO BACKFILLING DONE	NO BACKFILLING DONE
5b	Area under backfilling of mined out area	BACKFILLING PROPOSED AT 605MRL.	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed	Nil	
5d	Total area fully reclaimed and rehabilitated	BACKFILLING PROPOSED AT 605MRL.	Nil	Not carried out
5e	General remarks of inspecting officers on backfilling and reclamation etc.	BACKFILLING PROPOSED.	BACKFILLING PROPOSED. BUT NO BACKFILLING DONE.	BACKFILLING PROPOSED. BUT NO BACKFILLING DONE.

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 been submitted.	Annual report of PMCP has been submitted.
6b	Area available for rehabilitation (ha) .	0.375 HA. (SAFETY ZONE AREA)	PLANTATION DONE WITH 130 SAPLINGS IN THE CITED AREA.	
6c	afforestation done (ha).	-	130 SAPLINGS PLANTED.	
6d	No. of saplings planted during the year		130 SAPLINGS PLANTED.	
6e	Cumulative no .of plants		1520 SAPLINGS PLANTED WITHIN ML AREA. ON SCRUTINY OF LAST 5 ANNUAL RETURNS.	1520 SAPLINGS PLANTED WITHIN ML AREA. ON SCRUTINY OF LAST 5 ANNUAL RETURNS.
6f	Any other method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch and care during the year	Nil	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	PROPOSED AT 605MRL	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	NA	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Nil	NA	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	NA	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Nil	NA	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Nil	NA	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Nil	NA	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Nil	NA	
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.		NO BACKFILLING OPERATIONS CARRIED OUT AS PER THE APPROVED PLAN.	NO BACKFILLING OPERATIONS CARRIED OUT AS PER THE APPROVED PLAN.

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 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	
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	ENTIRE ROM ORE IS BEING UTILISED	ENTIRE ROM ORE IS BEING UTILISED	ENTIRE ROM ORE IS BEING UTILISED

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	Backfilling proposed at 605mRL	Nil	Backfilling proposed at 605mRL but not carried out.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Backfilling proposed at 605mRL	Nil	Backfilling proposed at 605mRL but not carried out.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation proposed over 0.375 Ha.	130 Sapplings planted.	130 Sapplings planted.
8g	Survival rate	Not provided	NA	
8h	Water sprinkling on roads to control airborne dust	Proposed	Being carried with Water Tanker.	Being carried with Water Tanker.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Drills are not provided with dust collectors or water injection system .	Drills are not provided with dust collectors or water injection system .

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.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer and Geologist to be appointed.	Mining Engineer has been appointed.	Mining Engineer 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 approved RoMP.	Carried out as per approved RoMP.
9d	Scrutiny of Annual return on afforestation	Not provided	NA	
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	Provided	Captive mine Ex. Mines price reveiwed.	Captive mine Ex. Mines price reveiwed.
9h	Scrutiny of Annual return on fixed assets	Provided	NA	
9k	Scrutiny of Annual return on mining machineries	Provided	Complied with annual statement.	Complied with annual statement.

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