

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION
MCDR INSPECTION REPORT
Guwahati Regional office

Mine file No : IBM/GHY/MEG/JNH/LST-2	Mine code : 38MEG03003
Date of Inspection-05-08-2016	

General

S.N.	Particulars	
1	Name of the Mine	Khub-1 Limestone Mine
2	Total Lease Area(Ha) with breakup of Non-forest and forest land	4.96 Ha.(Non-Forest Land)
3	Mine code	38MEG03003
4	IBM Registration Number under rule 45 of MCDR , 1988	IBM/5471/2011
5	Name of the lessee,Address,phone, email and fax number	M/s Star Cement Ltd.(Formerly CMCL), Village-Lumshnong, P.O-Khliehriat, Districr-East Jaintia Hills, Meghalaya-793210. Tel No.-03655-278215/16/18, Fax No.03655-278217, email-lumshnong@cmcl.co.in
6	Village	Lumshnong
7	Taluka/Mandal	Lumshnong
8	District	East Jaintia Hills
9	Pincode	793210
10	State	Meghalaya
11	Post office	Lumshnong
12	Nearest police station	Khliehriat
13	Nearest Railway station	Badarpur
14	Date of Grant of Mining Lease	20-11-2004
15	Date of Execution	17-01-2005
16	Date of opening of Mine	24-01-2005
17	Date of first Renewal , if applicable and its period & expiry	Not Applicable
18	Date of second Renewal , if applicable and its period & expiry	Not Applicable
19	Date of submission of Renewal application if Mining operations are continuing under	Not Applicable
20	Name of the Nominated owner with Address, phone, email, fax number and date of appointment	Name-Shri Devender Bansal, Address - M/s Star Cement Ltd.(Formerly CMCL), Village-Lumshnong, P.O-Khliehriat, Districr-East Jaintia Hills, Meghalaya-793210. Tel No.-03655-278215/16/18, Fax No.03655-278217.D.O.P-18/06/2004, email-lumshnong@cmcl.co.in
21	Name of the Mine agent with Address, phone, email, fax number and date of appointment	Name-Shri. Akhilesh J.singh, Address-M/s Cement Manufacturing Company Ltd.(formerly CMCL), Vill-Lumshnong, PO-Lumshnong, District-East Jaintia Hills, Meghalaya-793210 , Date of Appointment-01/09/2014
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment	Name-Shri. Sikandar Prasad, Address-M/s Cement Manufacturing Company Ltd.(formerly CMCL), Vill-Lumshnong, PO-Lumshnong, District-East Jaintia Hills, Meghalaya-793210 , Date of appointment- 19/12/2010

23	Name of the Mining Engineer , Qualification and total experience with Address , phone, email, fax number and date of appointment in mine	Name-Shri. Basant Kumar Sidar, Address-M/s Cement Manufacturing Company Ltd.(formerly CMCL), Vill- Lumshnong, PO-Lumshnong, District-East Jaintia Hills, Meghalaya-793210 , Date of appointment - 19/12/2010
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44	Yes, Name- Shri. Hizam Rakesh Singh, Address-M/s Cement Manufacturing Company Ltd.(formerly CMCL), Vill- Lumshnong, PO-Lumshnong, District-East Jaintia Hills, Meghalaya-793210 , Date of appointment- 18/12/2008
25	Date of Approaval of Mining plan/Modified Mining plan with five year period & specific condition in approaval letter, if any	314(3)/2010-MCCM(CZ)/MP-32 dated - 08/04/2011(Mining plan of Amalgamated khub limestone Mine)
26	Date of Approaval of Scheme of Mining/Modified Scheme of Mining with five year period & specific condition in approaval letter, if any	IBM/GHY/MEG/EJNH/LST/MS-75 dated 29/07/2015(Scheme of Mining of Amalgamated Khub Limestone Mine)
27	Mineral(s) granted in lease and proved	Limestone/Sandstone
28	Method of Mining(Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Mnual)	Fully Mechanised
30	Captive/Non Captive	Captive

Scientific Mining : Compliance of proposals of approved mining plan/scheme of mining

Exploration

S.N.	Items	Proposals	Actual work	Remarks
1a	Backlog of previous year	....	Not Applicable	Nil
1b	Exploration over lease area for Geological axis 1 or 2	....	Not Applicable	Nil
1c	Exploraion Agency & Expenditure in lakh Rupees during the year	....	Not Applicable	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	....	Not Applicable	Nil
1e	Balance reserves as on 01.04.2016	....	2.87 mill ton	Nil
1f	General remarks of inspecting officer on geology, exploration etc.	Nil	Nil	Nil

Development

S.N.	Items	Proposals	Actual work	Remarks
2a	Location of development w.r.t lease area	....	....	Nil
2b	Separate benches in topsoil , overburden and mineral(Rule 15)	....	Number of Benches in Ore-7 & IN Waste-0	Nil
2c	Stripping ratio or ore to OB ratio	1: 0	1: 0	Nil
2d	Quantity of topsoil generation in m3	Not Applicable	Not Applicable	Nil
2e	Quantity of overburden generation in m3	Not Applicable	Not Applicable	Nil
2f	General remarks of inspecting officer on development of pit w.r.t type of deposit etc.	Nil	Nil	Nil

Exploitation

S.N.	Items	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	320625 Tonne(Limestone)	320242 Tonne	Nil
3c	Recovery of salable/usable mineral from ROM production	36012.6 Tonne (Sandstone)	Nil	Nil
3d	Quantity of mineral reject generation	Not Applicable	Not Applicable	Nil
3e	Grade of mineral reject generation and threshold value declared	Not Applicable	Not Applicable	Nil
3f	Quantity of sub-grade mineral generation	Not Applicable	Not Applicable	Nil
3g	Grade of sub-grade mineral generation	Not Applicable	Not Applicable	Nil
3h	Manual/Mechanised method adopted for segregating from ROM	Not Applicable	Not Applicable	Nil
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Applicable	Not Applicable	Nil
3j	Provision of drilling & blasting in mineral benches	Not Applicable	Not Applicable	Nil
3k	Provision of mining machineries in mineral benches	Not Applicable	Not Applicable	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	.....	Yes	Nil
3m	Total area covered under excavation / pits	.....	4.580 Ha	Nil
3n	Ore to OB ratio for the pit/mine during the year	.....	1:0	Nil
3o	Total area put in use under different heads at the end of year	.....	4.580 Ha	Nil
3p	Production of ROM mineral during last five year, as applicable	.....	641682.83 Tonne	Nil
3q	General remarks of inspecting officer on method of mining etc	Nil	Nil	Nil

Solid Waste Management- Dumping

S.N.	Items	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject(Rule 32, 33)	Nil	Not Applicable	Nil
4b	Location of topsoil , OB & mineral reject dumps	Nil	Not Applicable	Nil
4c	Number of dumps within lease area and outside lease area	Nil	Not Applicable	Nil
4d	Location of dumps w.r.t ultimate pit limit (Rule 16)	Nil	Not Applicable	Nil
4e	Number of active & alive dumps	Nil	Not Applicable	Nil
4f	Number of dead dumps	Nil	Not Applicable	Nil
4g	Number of dumps stabilised	Nil	Not Applicable	Nil
4h	Whether Retaining wall or garland drain all along dump	Nil	Not Applicable	Nil
4i	Length of Retaining wall or garland drain all along dump	Nil	Not Applicable	Nil
4j	Number of settling ponds	Nil	Not Applicable	Nil

Specific comments of inspecting officer on waste dump management	Nil	Nil	Nil
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Solid Waste Management- Backfilling

S.N.	Items	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not Applicable	Not Applicable	Nil
5b	Area under backfilling of mined out area	Not Applicable	Not Applicable	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	Not Applicable	Not Applicable	Nil
5d	Total area fully reclaimed & rehabilitated	Not Applicable	Not Applicable	Nil
5e	General remarks of inspecting officer on backfilling , reclamation etc	Nil	Nil	Nil

Progressive Mine Closure Plan

S.N.	Items	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 23E(2)	....	Done as per the approved Scheme of Mining	Nil
6b	Management of worked /mined out benches i)Area available for rehabilitation (ha) ii)Afforestation done(ha) iii) No. of saplings planted during the year iv)Cumulative no. of plants v) Any other specific method of rehabilitation vi)Cost incurred on watch & care during the year	i) Not Applicable, ii) 0.3 Ha iii)502 No. iv)502 No. v) Not Applicable vi)Rs. 50, 000/-	i) Not Applicable, ii) 0.3 Ha iii)502 No. iv)502 No. v) Not Applicable vi)Rs. 50, 000/-	Nil
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii)Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	Not Applicable	Not Applicable	Nil
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated(ha) iii) Method of rehabilitation	Not Applicable	Not Applicable	Nil
6e	Compliance of Environmental monitoring(core zone & buffer zone)	Within permissible limit	Within permissible limit	Nil
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Nil	Nil	Nil

Mineral Conservation

S.N.	Items	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not Applicable	Not Applicable	Nil
7b	Method of grade -wise mineral sorting i.e manual or mechanical	Not Applicable	Not Applicable	Nil
7c	Different grade of mineral sorted out at mines	Not Applicable	Not Applicable	Nil
7d	Any beneficiation process at mines	Not Applicable	Not Applicable	Nil
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Nil	Nil	Nil

Environment

S.N.	Items	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Not Applicable	Nil
8b	Concurrent use or storage of topsoil	Nil	Not Applicable	Nil
8c	Separate dumps for overburden , waste rock , rejects and fines(Rule 33)	Nil	Not Applicable	Nil
8d	Use of overburden , waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Not Applicable	Nil
8e	Phased restoration , reclamation and rehabilitation of lands affected by mining operations(pits, dumps etc)	Nil	Not Applicable	Nil
8f	Baseline information on existence of plantation & additional plantation done(Rule 41)	.....	.....	Nil
8g	Survival rate	.....	80%(Within Lease Area)	Nil
8h	Water sprinkling on roads to control airborne dust	.....	Water sprinkling on roads frquently done by water tanker	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Nil	Nil	Nil

Compliance of Rule 45


S.N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	M.R submitted upto	July-2016	
		A.R submitted upto	2015-16	
S.N	Item	Details Given in A.R	Observation of I/Officer	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	....	Appointed as per MCDR 1988	Nil

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	...	Area under current O/C working- 4.580Ha.	Nil
9d	Scrutiny of Annual return on afforestation	...	No. of Trees planted- 340 No. (WL)	Nil
9e	Scrutiny of Annual return on mineral reject generation(Grade & Quantity)	...	Mineral Reject Generation- Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/ or graded ore	...	ROM Stock- Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	...	Cost of Production/Ex. Mine Price- 241.48 Rs/Tonne	Nil
9i	Scrutiny of Annual return on fixed assets	...	...	Nil
9k	Scrutiny of Annual return on mining machineries	...	...	Nil

Details of Violation observed during current inspection and compliance position of earlier violation pointed out :-

During the Current inspection no violation was observed. Last MCDR inspection was carried out by Shri Naman Ekka, JMG, on 23/02/2016 and no violation was pointed out.

Date:


 Name- G. C. Meena
 Designation- Regional Controller of Mines