

INDIAN BUREAU OF MINES
MINES CONTROL AND CONSERVATION OF MINERAL DIVISION
MCDR INSPECTION REPORT
Guwahati Regional office

Mine file No : IBM/GHY/ASM/NCH/LST-4

Mine code : 38ASM08002

Date of Inspection: 25 & 26/10/2017

General

S.N.	Particulars	
1	Name of the Mine	Jamunanagar Limestone Limes
2	Total Lease Area(Ha) with breakup of Non-forest and forest land	35 Ha.(Non-Forest Govt. Khas Land)
3	Mine code	38ASM08002
4	IBM Registration Number under rule 45 of MCDR , 1988	IBM/7090/2011
5	Name of the lessee,Address,phone, email and fax number	M/s Vinay Cement Limted, 16 Kilo, Jamunanagar, Umrangso, Dima Hasao, Assam-788931
6	Village	Jamunanagar
7	Taluka/Mandal	Umrangso
8	District	Dima Hasao
9	Pincode	788931
10	State	Assam
11	Post office	Umrangso
12	Nearest police station	Umrangso
13	Nearest Railway station	Lanka
14	Date of Grant of Mining Lease	16.08.1985
15	Date of Execution	11.01.1986
16	Date of opening of Mine	29.01.1991
17	Date of first Renewal , if applicable and its period & expiry	N.A
18	Date of second Renewal , if applicable and its period & expiry	N.A
19	Date of submission of Renewal application if Mining operations are continuing under deemed extension	31-03-2005
20	Name of the Nominated owner with Address, phone, email,fax number and date of appointment	Shri. R A Krishna Kumar, Jamunanagar,Umrangso,Assam-788931. D.O.A-14/12/2015
21	Name of the Mine agent with Address, phone, email,fax number and date of appointment	Shri. Padmanav Chakravarty, Jamunanagar,Umrangso,Assam-788931. D.O.A- 21/02/2015
22	Name of the Mines Manager with Address, phone, email,fax number and date of appointment	Shri. K. Gyaneshwar Singh, Jamunanagar,Umrangso,Assam-788931,Ph-8811018053. D.O.A- 30/08/2013
23	Name of the Mining Engineer , Qualification and total experience with Address , phone, email, fax number and date of appointment in mine	Shri Suratha Sundar Behera, B.E Mining Engineering,10 Years,Jamunanagar,Umrangso,Assam-788931,Ph-8011002460. D.O.A- 05/09/2013
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44	Geologist-Shri Abhijeet Adhikari, M.Sc Geology & Diploma in GIS, Jamunanagar,Umrangso,Assam-788931, Ph-801100245. D.O.A- 05.09.2013 Mining Engineer- Shri Suratha Sundar Behera, B.E Mining Engineering, Jamunanagar,Umrangso,Assam-788931, Ph-8011002460. D.O.A- 05.09.2013
25	Date of Approval of Mining plan/Modified Mining plan with five year period & specific condition in approval letter, if any	Mining Plan for 20 years-17.06.2006 Modification of Approved Mining Plan (2016-17 to 2020-21)-25/02/2016
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five year period & specific condition in approval letter, if any	Modification of Review of Mining Plan (2017-18 to 20-21) on 18.07.2017
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Mnuual)	Fully Mechanized
30	Captive/Non Captive	Captive

Scientific Mining : Compliance of proposals of approved mining plan/scheme of mining(Duplication of information in existing TMIS data sheets and draft write up has been avoided)

Exploration

S.N.	Items	Proposals	Actual work	Remarks
1a	Backlog of previous year	N.A	N.A	
1b	Exploration over lease area for Geological axis 1 or 2	Nil	Nil	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	N.A	N.A	
1d	Balance area to be explored to bring Geological axis in 1 or 2	6.387 Ha form G2 to G1	Proposed in the year 2020-21	
1e	Balance reserves as on 01.04.2017		11.851 Million Tons	
1f	General remarks of inspecting officer on geology, exploration etc.			

Development

S.N.	Items	Proposals	Actual work	Remarks
2a	Location of development w.r.t lease area	As per proposals in Modification of RoMP	Carried out	
2b	Separate benches in topsoil , overburden and mineral(Rule 15)	4 Benches in OB & 8 Benches in Ore	4 Benches in OB & 8 Benches in Ore	
2c	Stripping ratio or ore to OB ratio	01:00.	01:00.	As on Sept-2017
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	296767.7 Cum	94638.588 Cum	As on Sept-2017
2f	General remarks of inspecting officer on development of pit w.r.t type of deposit etc.			Complete lags in development of OB benches.

Exploitation

S.N.	Items	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	1500253 MT	612059.55 MT	As on Sept-2017
3c	Recovery of salable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	277174.624 Cum	0	
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	
3f	Quantity of sub-grade mineral generation	N.A	N.A	
3g	Grade of sub-grade mineral generation	N.A	N.A	
3h	Manual/Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	Nil	
3j	Provision of drilling & blasting in mineral benches	Yes	Yes	
3k	Provision of mining machineries in mineral benches	Yes	Yes	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Needs a re-look on the basis of bore hole logs/geological sections	
3m	Total area covered under excavation / pits	13.27	13.27	
3n	Ore to OB ratio for the pit/mine during the year	1:0.33	1:0.39	
3o	Total area put in use under different heads at the end of year	Mining-13.27, Roads-1.066, Infrastructure 0.0820, Dump-1.6	Mining-13.27, Roads 1.066, Infrastructure 0.0820, Dump-1.6	
3p	Production of ROM mineral during last five year, as applicable	2012-13:-624470 MT 2013-14:-624435 MT 2014-15:-624400 MT 2015-16:-624410 MT 2016-17:-1500113 MT 2017-18:- 1500252 MT	2012-13:-87888 MT 2013-14:-74296 MT 2014-15:-553608 MT 2015-16:- 587692.28 MT 2016-17:-1477814.72 MT April'17- Sep'17:-612059.55 MT	
3q	General remarks of inspecting officer on method of mining etc			mine design needs a complete re-look

Solid Waste Management- Dumping

S.N.	Items	Proposals	Actual work	Remarks
4a	Dumping of OB & mineral reject(Rule 32, 33)	YES	YES	
4b	Location of OB & mineral reject dumps	OB-45N-200N/63E-281E	OB-45N-200N/62E-279E	
4c	Number of dumps within lease area and outside lease area	Within Lease Area-2	Within Lease Area-2	
4d	Location of dumps w.r.t ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	
4e	Number of active & alive dumps	1	1	
4f	Number of dead dumps	1	1	
4g	Number of dumps stabilised	1	1	
4h	Whether Retaining wall or garland drain all along dump	Yes	Not done	
4i	Length of Retaining wall or garland drain all along dump	359 Mtr	0	
4j	Number of settling ponds	1	1	
4k	Specific comments of inspecting officer on waste dump management			Surface plan /environment plan has not updated

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	N.A	N.A	
5b	Area under backfilling of mined out area	N.A	N.A	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	N.A	N.A	
5d	Total area fully reclaimed & rehabilitated	N.A	N.A	
5e	General remarks of inspecting officer on backfilling , reclamation etc			

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). Details should be given in the format as given in Annexure-20	Yes	Yes	
6b	Management of worked /mined out benches i)Area available for rehabilitation (ha) ii)Afforestation done(ha) No. of saplings planted during the year iv)Cumulative no. of plants Any other specific method of rehabilitation vi)Cost incurred on watch & care during the year	N.A	N.A	
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	N.A	N.A	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated(ha) Method of rehabilitation	N.A	N.A	
6e	Compliance of Environmental monitoring(core zone & buffer zone)	Yes	Yes	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations			

Mineral Conservation

S.N.	Items	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No Sorting & sizing only Blending	No Sorting & sizing only Blending	
7b	Method of grade -wise mineral sorting i.e manual or mechanical	NA	NA	
7c	Different grade of mineral sorted out at mines	Nil	Nil	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues			

Environment

S.N.	Items	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	
8b	Concurrent use or storage of topsoil	N.A	N.A	
8c	Separate dumps for overburden , waste rock , rejects and fines(Rule 33)	Yes	Yes	
8d	Use of overburden , waste rock, rejects and fines dumps for restoring the land to its original use	Yes	Presently not carried out	
8e	Phased restoration , reclamation and rehabilitation of lands affected by mining operations(pits, dumps etc)	N.A	N.A	
8f	Baseline information on existence of plantation & additional plantation done(Rule 41)	WML-2872 OML-49659	WML-2872 OML-49659	
8g	Survival rate		80%	
8h	Water sprinkling on roads to control airborne dust	Yes	Carried out	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			

Compliance of Rule 45

S.N.	Item	Comments		Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Return submitted upto	Sep-17	
		Annual Return submitted upto	2016-17	
S.N	Item	Details Given in Annual Return	Observation of I/Officer	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Nil	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Waste dump location is not in the exact proposed location	
9d	Scrutiny of Annual return on afforestation		Nil	
9e	Scrutiny of Annual return on mineral reject generation(Grade & Quantity)		Nil	
9f	Scrutiny of Annual return on ROM stock and/ or graded ore		Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost		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 :-

Violations under rules 12(1), 13(1), 13(2), 14(4), 32(1)(a), 32(5)(b), 37(1) and 37(2) were pointed out and violation letter has been issued to the lessee on 31.10.2017 by RCOM, Guwahati. No details available with this office for the last MCDR inspection of the above mine.

Name of inspecting officer with designation and date