

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

MCDR INSPECTION REPORT

Guwahati regional office

Mine file No :

Mine code : 38ASM08002

- (i) Name of the Inspecting : **SQ01**) **Sri S. K. MOHAPATRA**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : V. Dhananjay & Abhijeet Adhikari
Official with
Designation
- (iv) Date of Inspection : 24/09/2018
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **JAMUNANAGAR**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : ASSAM
District : NORTH CACHAR HILLS
Village : JAMUNA NAGAR
Taluka : AMRI MAUZA
Post office : UMRANGSO
Pin Code : 788931
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest : SUN
2. Address for : 16KILO, P.O-UMRONSHO
correspondance : DISTT. DIMA HASAO
ASSAM
3. (a) Lease Number : ASM0021
- (b) Lease area : 35
- (c) Period of lease : 20
- (d) Date of Expiry : 10/01/2006
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : VINAY CEMENTS LTD.
17 KILO, JAMUNANAGAR LST.
MINE DIMA HASAO DIST. ASSAM
CACHAR ASSAM
Phone:
FAX :

Owner : RA KRISHNA KUMAR
16 KILO, P.O-UMRANGSHO DIMA
HASAO ASSAM NORTH CACHAR
HILLS ASSAM
Phone:
FAX :

Agent : V. DHANANJAYA KUMAR
NORTH CACHAR HILLS ASSAM
Phone:
FAX :

6. Date of approval of Mining : MP modif under 17(3) MCR 2016 29/06/2018
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	Exploration has not been proposed during the reporting year.
1b	Exploration over lease area for geological axis 1 or 2	Nil	Nil	Exploration has not been proposed during the reporting year.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	Exploration has not been proposed during the reporting year.
1d	Balance area to be explored to bring Geological axis in 1 or 2	3.14 Ha. to be convert from G2 to G1 category.	3.14 Ha. to be convert from G2 to G1 category.	3.14 Ha. to be convert from G2 to G1 category.
1e	Balance reserve as on 01/04/20		12.67 Million tons	12.67 Million tons
1f	General remarks of inspecting officers on geology, exploration etc	Exploration has not been proposed during the reporting year.	Exploration has not been proposed during the reporting year.	Exploration has not been proposed during the reporting year.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	75N-693N / 08E-493E as per the geological plan.	75N-693N / 08E-493E as per the geological plan.	Carried out as per the proposal.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, proposed.	Carried out	Carried out
2c	Stripping ratio or ore to OB ratio	1:6.55	1:3.17	1:3.17

2d	Quantity of topsoil generation in m3	Nil	Nil	Nil
2e	Quantity of overburden generation in m3	296767.700 m3	401557.04 m3	401557.04 m3
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The lesse has carried out mining as per the proposal.	The lesse has carried out mining as per the proposal.	The lesse has carried out mining as per the proposal.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	1
3b	Quantity of ROM mineral production proposed	1500000 tons	1271316.47 tons	1271316.47 tons
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	100%
3d	Quantity of mineral reject generation	Nil	Nil	Not generated during the reporting year.
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Not applicable	Not applicable
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	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, sovel and dumper combination proposed.	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	9 mtr	9 mtr	9 mtr
3m	Total area covered under excavation/pits	20.742 Ha.	17.958 Ha	17.958 Ha
3n	Ore to OB ratio for the pit/mine during the year.	1:6.55	1:3.17	1:3.17
3o	Total area put in use under different heads at the end of year	Mining-20.742 Ha. Dump- 6.46 Ha	Mining-17.958 Ha. Dump- 5.12 Ha	Mining-17.958 Ha. Dump- 5.12 Ha
3p	Production of ROM mineral during the last five year period as applicable	2013-14 - 624435 ton 2014-15 - 624400 ton 2015-16 - 624400 ton 2016-17 - 1500113 ton 2017-18 - 1500254 ton	2013-14 - 74296 ton 2014-15 - 553608 ton 2015-16 - 587692.28 ton 2016-17- 1477814.72 ton 2017-18 -1271316.47 ton	2013-14 - 74296 ton 2014-15 - 553608 ton 2015-16 - 587692.28 ton 2016-17- 1477814.72 ton 2017-18 - 1271316.47 ton
3q	General remarks of inspecting officers on method of mining etc.	The lessee has carried out mining as per the proposal.	The lessee has carried out mining as per the proposal.	The lessee has carried out mining as per the proposal.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes, Proposed	Yes, Carried out	Yes, Carried out
4b	Location of topsoil, OB and mineral reject dumps	45N-200N / 63E-281E	0N-196.741N / 34E-342E	0N-196.741N / 34E-342E
4c	Number of dumps within lease area and outside of lease area	Within the lease area 2	Within the lease area 2	Within the lease area 2
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.	1	1	1
4f	Number of dead dumps.	1	1	1
4g	Number of dumps established.	1	1	1
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes, already constructed.	Yes, already constructed.	Yes, already constructed.
4i	Length of Retaining wall or garland drain all along dumps	248 mtr	248 mtr	248 mtr
4j	Number of settling ponds	1	1	1
4k	Specific comments of inspecting officer on waste dump management	The lesse has carried out the dumping as per the proposal.	The lesse has carried out the dumping as per the proposal.	The lesse has carried out the dumping as per the proposal.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Nil	Nil	Not proposed during the reporting year.
5b	Area under backfilling of mined out area	Nil	Nil	Not proposed during the reporting year.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	Not proposed during the reporting year.
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	Not proposed during 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.
6b	Area available for rehabilitation (ha) .	Nil	Nil	Not proposed during the reporting year.
6c	afforestation done (ha) .	0.20 Ha.	0.39 Ha.	0.39 Ha.
6d	No. of saplings planted during the year	730- WML 300-OML	730- WML 300-OML	730- WML 300-OML
6e	Cumulative no .of plants	3602- WML 49659-OML	2317- WML 29609-OML	2317- WML 29609-OML

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 ($L \times B \times D$	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.
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.

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	Nil

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.
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Environment:

Sl.No.	Item	Proposals	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)	Separate dump for OB	Carried out as per proposal.	Carried out as per proposal.
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)	730- WML 300-OML	730- WML 300-OML	730- WML 300-OML

8g	Survival rate	80%	64%	64%
8h	Water sprinkling on roads to control airborne dust	Proposal for Water sprinkling by Water Tanker on haul roads and plantation area.	Water sprinkling by Water Tanker on haul roads and plantation area has been carried out.	Water sprinkling by Water Tanker on haul roads and plantation area 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.

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 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 modified RoMP.	Carried out as per proposal.	Carried out as per proposal.
9d	Scrutiny of Annual return on afforestation	730- WML 300-OML	730- WML 300-OML	730- WML 300-OML
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. 299.55/-	Rs. 299.55/-	Rs. 299.55/-
9h	Scrutiny of Annual return on fixed assets	Rs. 1321598626/-	Rs. 1321598626/-	Rs. 1321598626/-
9k	Scrutiny of Annual return on mining machineries	As proposed in modified RoMP.	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