

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

MCDR INSPECTION REPORT

Guwahati regional office

Mine file No : MPS/FM/01-MEG/GUW/2018-19

Mine code : 38MEG04007

- (i) Name of the Inspecting : **SQ01**) **SK MOHAPATRA**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : K. Singh Wann
Official with
Designation
- (iv) Date of Inspection : 27/07/2018
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MAWLONG LIMESTONE MINE**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : MEGHALAYA
District : KHASI HILLS EAST
Village : ICHAMATI
Taluka : SOHRA SUB-DIVISION
Post office : ICHAMATI
Pin Code : 793112
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date : 24/05/2018
- (h) Weekly day of rest : SUN
2. Address for :
correspondance
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 : K.SINGH WANN AND SONS
ISHAMATI CHERRAPUNJEE
KHASI HILLS EAST MEGHALAYA
Phone:
FAX :

Owner : K.SINGH WANN
CHERAPUNJEE ISHAMATI KHASI
HILLS EAST MEGHALAYA
Phone:
FAX :

6. Date of approval of Mining : MP review under 17(1) MCR 2016 04/05/2018
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	The mine was opened on 28.05.2018.
1b	Exploration over lease area for geological axis 1 or 2	Nil	Nil, G2 level exploration upto 150 mRL based on exposures and taking influence of drilled bore hole by GSI in that area.	The mine was opened on 28.05.2018. G2 level exploration upto 150 mRL based on exposures and taking influence of drilled bore hole by GSI in that area.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	The mine was opened on 28.05.2018.
1d	Balance area to be explored to bring Geological axis in 1 or 2	4.56 Ha.	4.56 Ha.	The mine was opened on 28.05.2018. As no exploration was carried out, so total area 4.56 Ha. to be explored.
1e	Balance reserve as on 01/04/20	208464 tons	208464 tons	The mine was opened on 28.05.2018. 208464 tons at the date of opening.
1f	General remarks of inspecting officers on geology, exploration etc	The mine was open on 28.05.2018 and the lessee has given aproposal of 2 core bore holes during this current year.	The mine was open on 28.05.2018 and the lessee has given aproposal of 2 core bore holes during this current year.	The mine was open on 28.05.2018 and the lessee has given aproposal of 2 core bore holes during this current year.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	The mine was opened on 28.05.2018, so there was no proposal for previous year.	The mine was opened on 28.05.2018, so there was no proposal for previous year. However the lesee has proposed to produce 120001 tons of limestone during 2018-19.	The mine was opened on 28.05.2018, so there was no proposal for previous year. However the lesee has proposed to produce 120001 tons of limestone during 2018-19.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	The mine was opened on 28.05.2018, so there was no proposal for previous year.	Nil, recently open a new bench in ore.	Nil, recently open a new bench in ore.
2c	Stripping ratio or ore to OB ratio	Nil	Nil	Nil. The mine was opened on 28.05.2018.
2d	Quantity of topsoil generation in m3	Nil	Nil	Nil. The mine was opened on 28.05.2018.
2e	Quantity of overburden generation in m3	Nil	Nil	Nil. The mine was opened on 28.05.2018.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The mine was opened on 28.05.2018.	The mine was opened on 28.05.2018, so there was no proposal for previous year.	The mine was opened on 28.05.2018, so there was no proposal for previous year.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Nil	Nil, for 2018-19 year one pit proposed.	Nil, for 2018-19 year one pit proposed.
3b	Quantity of ROM mineral production proposed	Nil, for the year 2018-19, 120001 tons proposed.	Nil, as per monthly returns, 4225 tons produced upto july 2018.	As per monthly returns of july 2018 , 4225 tons have been produced.

3c	Recovery of sailable/usable mineral from ROM production	Nil	Nil	Nil, 100% for 2018-19.
3d	Quantity of mineral reject generation	Nil	Nil	Nil
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	Nil
3g	Grade of sub grade mineral generation	Not applicable	Not applicable	Not applicable
3h	Manual / Mechanised method adopted for segregating from ROM	Nil	Nil	Nil. The mine was opened on 28.05.2018, so there was no proposal.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	Nil	Nil	Nil. The mine was opened on 28.05.2018, so there was no proposal. however lesee has proposed drilling and blasting during 2018-19.
3k	Provision of mining machineries in mineral benches	Nil	Nil	Nil, however there is proposal in 2018-19.

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Nil	Nil	Nil
3m	Total area covered under excavation/pits	Nil	Nil	Nil. The mine was opened on 28.05.2018.
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil	Nil. The mine was opened on 28.05.2018.
3o	Total area put in use under different heads at the end of year	Nil	Nil	Nil. The mine was opened on 28.05.2018, so there was no proposal for last year.
3p	Production of ROM mineral during the last five year period as applicable	Not applicable	Not applicable	Not applicable. The mine was opened on 28.05.2018.
3q	General remarks of inspecting officers on method of mining etc.	The mine was opened on 28.05.2018, so there was no proposal	The mine was opened on 28.05.2018, so there was no proposal	The mine was opened on 28.05.2018, so there was no proposal in last year, however the lessee has proposed to carryout scientific mining to produce 120001 tons of limestone.

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. The mine was opened on 28.05.2018, so there was no proposal for last year.

4b	Location of topsoil, OB and mineral reject dumps	Not applicable	Not applicable	The mine was opened on 28.05.2018, so there was no proposal for previous year.
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)	Not applicable	Not applicable	Not applicable
4e	Number of active and alive dumps.	Nil	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.	Not applicable	Not applicable	Not applicable
4i	Length of Retaining wall or garland drain all along dumps	Not applicable	Not applicable	Not applicable
4j	Number of settling ponds	Nil	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	The mine was opened on 28.05.2018, so there was no proposal for previous year.	The mine was opened on 28.05.2018, so there was no proposal for previous year.	The mine was opened on 28.05.2018, so there was no proposal for previous year.

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	Nil. The mine was opened on 28.05.2018, so there was no proposal
5b	Area under backfilling of mined out area	Nil	Nil	Nil. The mine was opened on 28.05.2018.
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	Nil	Nil	Nil. The mine was opened on 28.05.2018.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	The mine was opened on 28.05.2018, so there was no proposal for backfilling.	The mine was opened on 28.05.2018, so there was no proposal for backfilling.	The mine was opened on 28.05.2018, so there was no proposal for backfilling.

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).	Yearly report to be submitted under Rule 26(2) of MCDR, 2017.	Nil	Nil. The mine was opened on 28.05.2018, so not submitted for previous year.
6b	Area available for rehabilitation (ha) .	Nil	Nil	Nil. The mine was opened on 28.05.2018.
6c	afforestation done (ha) .	Nil	Nil	Nil. The mine was opened on 28.05.2018, so there was no proposal for previous year.

6d	No. of saplings planted during the year	Nil	Nil	Nil. The mine was opened on 28.05.2018, so there was no proposal for previous year.
6e	Cumulative no .of plants	Nil	Nil	Nil.Nil. The mine was opened on 28.05.2018.
6f	Any other method of rehabilitation	Nil	Nil	Nil
6g	Cost incurred on watch and care during the year	Nil	Nil	Nil. The mine was opened on 28.05.2018, so there was no proposal for previous year.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	Nil	Nil. The mine was opened on 28.05.2018, so there was no proposal for previous year.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	Nil. The mine was opened on 28.05.2018.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	Nil	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	Nil

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Nil	Nil	Nil. The mine was opened on 28.05.2018, so there was no proposal for previous year. However proposed for the year 2018-19 as per the statutory guidelines.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	The mine was opened on 28.05.2018, so there was no proposal for previous year.	The mine was opened on 28.05.2018, so there was no proposal for previous year.	The mine was opened on 28.05.2018, so there was no proposal for previous year. however, proposal has been given for environmental monitoring will be carried out as per the guidelines during 2018-19

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Nil	Nil	Nil. The mine was opened on 28.05.2018, so there was no proposal for previous year.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Nil	Nil	Nil. The mine was opened on 28.05.2018, so there was no proposal for previous year.
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	The mine was opened on 28.05.2018, so there was no such proposal for previous year.	The mine was opened on 28.05.2018, so there was no such proposal for previous year.	The mine was opened on 28.05.2018, so there was no such proposal for previous year.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	The mine was opened on 28.05.2018, so there was no such proposal for previous year.
8b	Concurrent use or storage of topsoil	Nil	Nil	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	The mine was opened on 28.05.2018, so there was no such proposal for previous year.

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	The mine was opened on 28.05.2018, so there was no such proposal for previous year.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Nil	Nil	The mine was opened on 28.05.2018, so there was no such proposal for previous year.
8g	Survival rate	Not applicable	Not applicable	Not applicable
8h	Water sprinkling on roads to control airborne dust	Nil	Nil	Nil. The mine was opened on 28.05.2018, so there was no such proposal for previous year. However, proposal has been given for water sprinkling in and around mine area during 2018-19.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The mine was opened on 28.05.2018, so there was no proposal for previous year.	Nil. The mine was opened on 28.05.2018, so there was no proposal for previous year.	The mine was opened on 28.05.2018, so there was no such proposal for previous year. However, proposal has been given for water sprinkling in and around mine area during 2018-19.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Not applicable	Not applicable	The mine was opened on 28.05.2018.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not applicable	Not applicable	Not applicable
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not applicable	Not applicable	Not applicable. The mine was opened on 28.05.2018.
9d	Scrutiny of Annual return on afforestation	Not applicable	Not applicable	Not applicable
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not applicable	Not applicable	Not applicable
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Not applicable	Not applicable	Not applicable
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Not applicable	Not applicable	Not applicable
9h	Scrutiny of Annual return on fixed assets	Not applicable	Not applicable	Not applicable
9k	Scrutiny of Annual return on mining machineries	Not applicable	Not applicable	Not applicable. As the mine has been opened on 28.05.2018

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 :
(SK MOHAPATRA)

Indian Bureau of Mines