

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

Review and updation of Mining Plan REPORT

Goa regional office

Mine file No : KNT/BJP/LST-15/GOA

Mine code : 38KAR05012

- (i) Name of the Inspecting : **K07**) **KRISHNENDU CHATTERJEE**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : S/shri G.Harendra, TQP and Arjun H. Kolchi, Lessee's
Official with
Designation
- (iv) Date of Inspection : 06-OCT-20
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MMI (ML 2480)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : KARNATAKA
- District : BAGALKOT
- Village : NAGNAPUR
- Taluka : MUDHOL
- Post office : LOKAPUR
- Pin Code : 587122
- FAX No. : 08350-243325
- E-mail : malaprabha_mining@yahoo.coi
- Phone : 08350-340068
- (f) Police Station : LOKAPUR
- (g) First opening date : 04-MAY-74
- (h) Weekly day of rest :
2. Address for : At and Po- Lokapur
correspondance Tq- Mudhol
Dist- Bagalkot
3. (a) Lease Number : KAR0023
- (b) Lease area : 1.62
- (c) Period of lease : 20
- (d) Date of Expiry : 03-MAY-94
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : MALAPRABHA MINING INDUSTRY PVT. LTD.
 Bagalkot Road Lokapur-
 587122 Tq-Mudhol BAGALKOT
 KARNATAKA
 Phone:09845872870
 FAX :

Owner : H.G.SHRIPAD
 PARIMALA MAHANTESH
 VIDAYAGIRI BAGALKOT
 BAGALKOT KARNATAKA
 Phone: 08354--233258
 FAX : NIL

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	31-OCT-02
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	11-OCT-06
		Mining Scheme rule 12 MCDR1988	22-NOV-11
		MP modif under MCR 1960	08-FEB-16

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration proposal in 2019-20	Nil	04 nos. of core boreholes drilled by the lessee during 2014-15
1b	Exploration over lease area for geological axis 1 or 2	G1	G1 in respect of entire mineralized area	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G1	G1 achieved.	
1e	Balance reserve as on 01/04/20		0.513 million tonnes of Limestone	As on 01.04.2020
1f	General remarks of inspecting officers on geology, exploration etc			Entire mineralized area was explored by the lessee under G1 level by drilling with 4 nos. of core boreholes, total meterage drilled 100m.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	30N to 170N, 10E to 140E	Nil	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed in ore only.	Nil during 2019-20, however old benches are found maintained.	
2c	Stripping ratio or ore to OB ratio	Not applicable since no proposal for waste generation.	Nil	
2d	Quantity of topsoil generation in m3	No proposal	Nil	

2e	Quantity of overburden generation in m3	No proposal	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mining operation was suspended in F.Y. 2019-20. ML was suspended by IBM dated 18.04.2016 under rule 45(7) (i) (a) of MCDR, 1988 which is subsequently revoked on 02.12.2020.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit proposed.	Single pit.	Dimension of pit: 170m x 90m x 18m.
3b	Quantity of ROM mineral production proposed	50,000 tonnes of Limestone	Nil	Mining operation was suspended in F.Y. 2019-20.
3c	Recovery of sailable/usable mineral from ROM production	100% recovery proposed for Limestone	Nil	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Not applicable.	
3f	Quantity of sub grade mineral generation.	No proposal	Not applicable.	
3g	Grade of sub grade mineral generation	No proposal	Not applicable.	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Nil	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposal given	Nil
3j	Provision of drilling and blasting in mineral benches	Drilling & blasting proposed	Nil during 2019-20.
3k	Provision of mining machineries in mineral benches	Proposed.	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3m bench height proposed	Average bench height 3 to 4m maintained.
3m	Total area covered under excavation/pits	1.55 Ha.	1.53 Ha.
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil
3o	Total area put in use under different heads at the end of year	Total 1.563 Ha. at the end of approved Mod. MP period ending 2019-20.	Mining: 1.53 Safety zone: 0.09 (in Ha.)
3p	Production of ROM mineral during the last five year period as applicable	2015-16: 50,000 2016-17: 50,000 2017-18: 50,000 2018-19: 50,000 2019-20: 50,000 (in tonnes)	2015-16: Nil 2016-17: Nil 2017-18: Nil 2018-19: Nil 2019-20: Nil

3q	General remarks of inspecting officers on method of mining etc.	The mine was not in operation during 2015-16 to 2019-20. ML was suspended by IBM dated 18.04.2016 under rule 45(7) (i) (a) of MCDR, 1988 which is subsequently revoked on 02.12.2020.
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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)	No generation of waste is proposed.	Nil	
4b	Location of topsoil, OB and mineral reject dumps	No proposal	Not applicable.	
4c	Number of dumps within lease area and outside of lease area	No proposal	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Nil	
4e	Number of active and alive dumps.	No proposal	Nil	
4f	Number of dead dumps.	No proposal	Nil	
4g	Number of dumps established.	No proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Nil	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Not applicable	
4j	Number of settling ponds	No proposal	Nil	

4k	Specific comments of inspecting officer on waste dump management	No generation of waste was proposed during 2015-16 to 2019-20 period.
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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.	No proposal	Nil as the mine pit was not matured for backfilling.	
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Concurrent use of top soil proposed.	No top soil generation in 2019-20	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Mine pit was not matured for backfilling since mineral persists at the bottom of mine workings.

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).	Proposed.	Not Submitted for F.Y. 2019-20. Mine was suspended in 2019-20.	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	No proposal	Nil	

6d	No. of saplings planted during the year	No proposal	Nil
6e	Cumulative no .of plants	No proposal	Apprx. 300 nos. within ML area along the safety barrier.
6f	Any other method of rehabilitation	No proposal	Nil
6g	Cost incurred on watch and care during the year	No proposal	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Not applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Not applicable.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	Not applicable.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Not applicable.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Not applicable.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	Not applicable.

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	Not applicable.	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Not applicable.	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed to be carried out twice a year.	Nil as the mine was not working for last 5 years.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			The mine was working manually and impact on environment is negligible.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatch proposed	Nil during 2019-20.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual sorting proposed.	Nil	
7c	Different grade of mineral sorted out at mines.	Proposed for all +34% CaO.	Nil	
7d	Any beneficiation process at mines	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			7341 tonnes of cement grade limestone stock available within ML area.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Nil	
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping of waste not proposed	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Mine pit was not matured for backfilling.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Proposed.	Apprx. 300 nos. saplings were planted within ML so far along the safety barrier.	
8g	Survival rate	Not specified.	60-70%	
8h	Water sprinkling on roads to control airborne dust	Proposed.	Nil	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty in and around mines area is good and impact on environment due to mining operation is very less due to small scale manual mining operation.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		M.R. Submitted up to Sep.2020 & A.R. Submitted up to 2019-2020	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Nil information furnished for mining engineer and for Geologist.	No part-time Mining Engineer and part-time Geologist were found appointed	Mine was non-working for last five years and under suspension in 2019-20.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mining: 1.25 Others and Safety zone: 0.375 (in Ha.)	Mining: 1.53 Others and Safety zone: 0.09 (in Ha.)	Lessee was advised to correct land use pattern based on latest survey.
9d	Scrutiny of Annual return on afforestation	Nil	Nil	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM closing stock: Nil Graded ore closing Stock of Cement grade Limestone: 7341.47 tonnes	Actual was also same at that time.	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Mine was under suspension in 2019-20.
9h	Scrutiny of Annual return on fixed assets	Furnished as Nil	No production was reported during last 5 years.
9k	Scrutiny of Annual return on mining machineries	Furnished as Nil	Mine was non-working for last five years.

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 :

(KRISHNENDU CHATTERJEE)

Indian Bureau of Mines