

**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-81/GOA

**Mine code :** 38KAR26063

- (i) Name of the Inspecting : **K07** ) **KRISHNENDU CHATTERJEE**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : S/SHRI. GURURAJ UDAPUDI, PARTNER AND SHRIDHAR M.BHAT,  
Official with  
Designation
- (iv) Date of Inspection : 24-DEC-20
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **LOKAPUR (ML 2486)**
- (b) **Registration NO.** : **IBM/559/2011**
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : BAGALKOT
- Village : LOKAPUR
- Taluka : MOUHOL
- Post office :
- Pin Code :
- FAX No. : 08350-243060
- E-mail : lokapurmin2486@gmail.com
- Phone : 08350-243759
- (f) **Police Station** : LOKAPUR
- (g) **First opening date** : 29-APR-05
- (h) **Weekly day of rest** : TUE
2. **Address for correspondence** : M/S LOKAPUR MINERAL INDUSTRIES  
At &Po-Lokapur  
Tq-Mudhol, Dist-Bagalkot, Karnataka
3. (a) **Lease Number** : KAR0018
- (b) **Lease area** : 90.9
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 22-FEB-01
4. **Mineral worked** : DOLOMITE Associated  
LIMESTONE Main

## 5. Name and Address of the

Lessee : B.C.Udapudi  
M/sPawan Minerals  
P.O.Lokapur Dist.:Bagalkot  
BAGALKOT KARNATAKA  
Phone:(08350)40060(0),40059(R)  
FAX :

Owner : B.C.Udapudi  
M/s Pawan Minerals  
P.O.Lokapur Dist.:Bagalkot  
BAGALKOT KARNATAKA  
Phone: 08350-240059(R)  
FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	20-MAR-01
Plan/Scheme of Mining		Modif.of approved Mining Plan	17-MAY-07
		Mining Scheme rule 12 MCDR1988	26-AUG-11
		MP modif under 17(3) MCR 2016	15-DEC-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	
1b	Exploration over lease area for geological axis 1 or 2	G1	G1: 3.64 Ha. G2: Nil	
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		0.896 million tonnes of Limestone (UNFC Cat. 111)	As on 01.04.2020, A12 O3 +34%.
1f	General remarks of inspecting officers on geology, exploration etc			Entire mineralized area was explored by the lessee under G1 level by 6 nos. of core boreholes drilled during 2015-16.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	1787715 N to 1787860 N, E 540850 E to 540980 E	Nil	No mine production reported during 2019-20 due to labour shortage and logistic problem.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in OB and ore proposed.	Separate benches in OB and ore maintained.	
2c	Stripping ratio or ore to OB ratio	1:0.04	Nil	
2d	Quantity of topsoil generation in m3	1000 m3	Nil	BD 1.6 tonne/m3

2e	Quantity of overburden generation in m3	1052 m3	Nil	BD 2.0 tonne/m3
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Violation of rule 11(1) was issued to the lessee dated 07/01/21 for nil production of limestone during 2019-20.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit proposed.	Single pit	Dimension of pit: 110m x 95m x 9m.
3b	Quantity of ROM mineral production proposed	50,000 tonnes of Limestone	Nil	
3c	Recovery of sailable/usable mineral from ROM production	95% proposed	Nil	5% intercalated waste within ROM.
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	Nil	
3g	Grade of sub grade mineral generation	No proposal	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual mining proposed.	Manual mining.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Nil	

3j	Provision of drilling and blasting in mineral benches	Proposed to drill by jack hammer and blasting using slurry and UNFO	Nil during 2019-20.
3k	Provision of mining machineries in mineral benches	Jack Hammers: 2 Compressor: 1 Water Tanker: 1	Jack Hammers: 2 Compressor: 1 Water Tanker: 1
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3m proposed.	Average height 3m is maintained
3m	Total area covered under excavation/pits	1.84 Ha.	1.04 Ha.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.04	Nil
3o	Total area put in use under different heads at the end of year	Area under mining: 1.84 Ha. Dump: 0.25 Ha. Road: 0.05 Ha.	Area under mining: 1.04 Ha. Dump: 0.1 Ha. Road: 0.02 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: 50,000 2016-17: Nil 2017-18: 48,767 2018-19: 28,000 2019-20: Nil ( in tonnes)
3q	General remarks of inspecting officers on method of mining etc.		No mine production reported during 2019-20 due to labour shortage and logistic problem. However, dispatches of sorted ore from old stocks were carried out during 2019-20.

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## Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	OB proposed for construct safety bund along the ML boundary and for temporary dumping.	Nil	No waste, mineral reject and top soil generated during 2019-20.
4b	Location of topsoil, OB and mineral reject dumps	Temporary waste dumping proposed along eastern boundary of ML area.	Nil	
4c	Number of dumps within lease area and outside of lease area	1no. of waste dump	1 no. of waste dump.	Constructed before 2019-20.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed within UPL	Temporary dump was located within UPL	
4e	Number of active and alive dumps.	01 active dump	01 active dump	
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.	Top soil bund proposed.	Top soil bund constructed along the dump.	
4i	Length of Retaining wall or garland drain all along dumps	140m top soil bund/ retaining wall.	250m bund constructed along the north eastern side of ML boundary so far.	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management			No deviation in respect of dump management was observed during the course of inspection dated 24.12.2020.

## Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
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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	
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.

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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.	Violation of rule 26(2) was issued to the lessee dated 07/01/21
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	0.05 Ha.	So far 0.25 Ha. along north eastern side of ML boundary.	
6d	No. of saplings planted during the year	100 nos.	100 nos.	
6e	Cumulative no .of plants	650 nos. up to 2019-20	Apprx. 650 nos. within ML.	
6f	Any other method of rehabilitation	No proposal	Nil	

6g	Cost incurred on watch and care during the year	Rs.5,000/-	No change.
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	Carried out on half yearly basis and parameters are found within stipulated limit.	
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. No mine production and development is reported during 2019-20.

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatch	Nil during 2019-20.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual sizing and sorting of ROM proposed.	Nil during 2019-20.	
7c	Different grade of mineral sorted out at mines.	Proposed for all +35% CaO.	No change.	
7d	Any beneficiation process at mines .	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No mine production and development is reported during 2019-20. However, 5279.77 tonnes of BF grade Limestone dispatched form the mine during 2019-20 from old stocks.

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## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	No top soil generation during 2019-20.	Top soil was earlier stacked along the 7.5m safety barrier zone for plantation.
8b	Concurrent use or storage of topsoil	Proposed for afforestation.	Nil	Top soil earlier used for plantation along the safety barrier zone.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	No change.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Mine pit is 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. 650 nos. saplings were planted within ML so far along the safety barrier.	
8g	Survival rate	Not specified.	70 to 80%	
8h	Water sprinkling on roads to control airborne dust	Proposed	No change.	
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 less due to small manual scale mining operation.

## 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 Jan.2021 & A.R. Submitted up to 2019-2020	Submitted within time limit.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Shri G.B. Udapudi. Geologist: Nil	Mining Manager: Shri G.B. Udapudi. No Geologist was found appointed.	Violation of rule 55(1)(3) was issued to the lessee dated 07/01/21
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mining: 1.00 Dump: 0.10 Infrastructure and Road: 0.02 (in Ha.)	Area under mining: 1.04Ha. Dump: 0.1 Ha. Infrastructure and Road: 0.02 (in Ha. )	
9d	Scrutiny of Annual return on afforestation	100 nos.	100 nos.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	No mineral reject generation during 2019-20	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM closing stock: Nil Graded ore closing Stock of BF grade Limestone: 44940.96 tonnes	Actual was also same at that time. 5279.77 tonnes of BF grade Limestone dispatch reported during 2090-20.	Opening stocks of BF grade Limestone was was 50220.73 tonnes in F.Y. 2019-20.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex- Mine Price for BF grade Limestone: Rs. 464/tonne. Production Cost: Rs. 295.60/ tonne	Some of the invoices were checked during inspection and sale value given was found correct.	
9h	Scrutiny of Annual return on fixed assets	Net closing balance is furnished as Rs. 517,670/-	Appear to be correct	
9k	Scrutiny of Annual return on mining machineries	Jack Hammer: 1 Compressor: 1 Water Tanker: 1	No change in mining machineries.	

**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed				Show couse position		
Rule NO.		Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	07-JAN-21	02-MAR-21			
MCDR17	Rule 26(2)	07-JAN-21	02-MAR-21			
MCDR17	Rule 35(2)	07-JAN-21				
MCDR17	Rule 55(1)(3)	07-JAN-21				

**Date :**

**(KRISHNENDU CHATTERJEE)**

Indian Bureau of Mines