

**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-48/GOA

**Mine code :** 38KAR26014

- (i) Name of the Inspecting : P01 ) PREM PRAKASH  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 11-DEC-19
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : THIMMAPUR(2272)15.641 HA
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : BAGALKOT
- Village : THIMMAPUR
- Taluka : MUDHOL
- Post office :
- Pin Code :
- FAX No. : 08354-221027
- E-mail : phpujar@gmail.com
- Phone : 08354-221027
- (f) **Police Station** : LOKAPUR
- (g) **First opening date** : 28-FEB-01
- (h) **Weekly day of rest** : TUE
2. **Address for correspondance** : M/s Pavan Putra Minerals  
At-Thimmapur  
Po-Muddapur, Tq-Mudhol, Dist-Bagalkot
3. (a) **Lease Number** : KAR1221
- (b) **Lease area** : 15.69
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 18-JUN-20
4. **Mineral worked** : LIMESTONE Main  
DOLOMITE Associated

## 5. Name and Address of the

Lessee : P.H.PUJAR  
 Bin H.U. Pujar Behind Govt.  
 Girls High School Ext.  
 Bagalkot BAGALKOT KARNATAKA  
 Phone:094481 24027, 221207, 223927  
 FAX :

Owner : P.H. PUJAR.  
 M/s Pavan Putra Minerals  
 Behind Govt. Girls High  
 School Bagalkot BAGALKOT  
 KARNATAKA  
 Phone: 21207, 23927.  
 FAX :

Agent : GURURAJ KALTI  
 M/s Pavan Putra Minerals  
 At-Thimmapur, Po-Muddapur  
 Tq-Bagalkot BAGALKOT  
 KARNATAKA  
 Phone:  
 FAX :

## Mining Engineer

Name : K Shivaram, Full Time  
 Qualification : B.E.Mining  
 Appointment/ : 05-MAY-17  
 Termination date

## Geologist

Name : Suresh R. Hegde, Full Time  
 Qualification : M.SC (APPLIED GEOLOGY)  
 Appointment/ : 01-JUL-19  
 Termination date

## Geologist

Name : Pratik M. Ugare, Full Time  
 Qualification : M.Sc (APPLIED GEOLOGY)  
 Appointment/ : 20-APR-19 30-JUN-19  
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	29-SEP-97
Plan/Scheme of Mining		Modif.of approved Mining Plan	30-JUN-03
		Mining Scheme rule 12 MCDR1988	28-NOV-05
		Mining Scheme rule 12 MCDR1988	29-MAR-11
		Mining Scheme rule 12 MCDR1988	14-MAY-15
		MP modif under 17(3) MCR 2016	01-FEB-17

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	10 nos. of Bore holes Carried out as proposed in the year 2017-18.
1b	Exploration over lease area for geological axis 1 or 2	No exploration proposal in the year 2018-19	Nil	
		No exploration proposal in the year 2018-19		
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2		Nil	The entire Lease area is covered under Geological axis 1 or 2.
1e	Balance reserve as on 01/04/20		4,173,886 MT of Limestone; 6,632,930 MT of Dolomite	As per latest Review of MP approved on 24.01.2020
1f	General remarks of inspecting officers on geology, exploration etc		No exploration proposal was given for the year 2018-19. The entire Lease area is covered under Geological axis 1 or 2.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Proposedbetween the cross-sections D-D' & E-E' in the year 2018-19	Carried out in the proposed area.	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No any benches proposed in overburden and topsoil. All benches are mineral benches only. Some intercalated waste to be removed from mineral benches.	Working carried out in mineral benches with removal of intercalated waste. Some top soil found at the surface stacked separately.	
2c	Stripping ratio or ore to OB ratio	1:0.33 in the year 2018-19	1:0.03	Intercalated waste generation is less as the same presence of the same in the deposit is in inconsistent manner
2d	Quantity of topsoil generation in m3	Nil	2500 MT	Top soil stacked separately at earmarked place
2e	Quantity of overburden generation in m3	40,000 MT intercalated waste in the year 2018-19	3600 MT	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Development of pit carried out at the proposed area. Intercalated waste present in the deposit in irregular and inconsistent manner. That's why generation of intercalated waste is lesser than envisaged.	

### Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	2 (01 each for Limestone and Dolomite)	2 (01 each for Limestone and Dolomite)	Separate MPs are approved for Limestone & Dolomite and Dolomite mining Plan has been approved by State DMG.

3b	Quantity of ROM mineral production proposed	150,000 MT in the year 2018-19	116,715 MT	Limestone
3c	Recovery of sailable/usable mineral from ROM production	75%	85%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual & Mechanized	Manual & Mechanized	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Not done	
3j	Provision of drilling and blasting in mineral benches	Deep-Hole Drilling and Blasting with 115mm dia. hole	Deep-Hole Drilling and Blasting with 115mm dia hole	
3k	Provision of mining machineries in mineral benches	yes	Excavator with 0.9 m3 bucket capacity and tippers of 10 tons capacity.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	< 6m Height Benches	< 6m Height Benches	average 5m height.

3m	Total area covered under excavation/pits	Area under mining 9.1 ha. for plan period 2017-18 to 2019-20	Current working pit - about 7.182 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.33	1:0.03	Intercalated waste generation is less as present in the deposit in irregular manner
3p	Production of ROM mineral during the last five year period as applicable	Limestone : 2015-16- 34997 tons 2016-17- 34997 tons 2017-18- 150000 tons 2018-19- 150000 Tons	Limestone : 2015-16- 27150Tons 2016-17-34821 Tons 2017-18-64325 Tons 2018-19-116715 Tons	ROM figure is mentioned as given in approved MP/RMP/Annual Returns
3q	General remarks of inspecting officers on method of mining etc.		Open Cast mining being carried out with Shovel-tippers combination along with Deep-Hole Drilling and Blasting.	

#### Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed separately	Separate Dumping of Topsoil and OB/waste carried out	
4b	Location of topsoil, OB and mineral reject dumps	South-western side of the lease	South-western side of the lease	
4c	Number of dumps within lease area and outside of lease area	Within the lease -1 no. Outside- nil	Within the lease -1 no. Outside- nil	
4e	Number of active and alive dumps.	01	01	
4f	Number of dead dumps.	0	0	
4h	Whether Retaining wall or garland drain all along dumps are there.	proposed all along /around the dump	provided	

4i	Length of Retaining wall or garland drain all along dumps	150 m	about 150 m
4j	Number of settling ponds	01	01
4k	Specific comments of inspecting officer on waste dump management		Waste generations in the form of intercalated waste only and the less quantity of Intercalated waste was generated as the presence of the same in the deposit reported to be in irregular manner.

#### 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.	Back filling not proposed	Nil	No part of the Lease Area got matured for backfilling.
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Mineral has not been exhausted from any part of the lease, hence backfilling/ reclamation has not envisaged.	

#### Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).		submitted
6b	Area available for rehabilitation (ha) .	Nil	Nil
6f	Any other method of rehabilitation	Nil	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( L x B x D	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	225 Nos.	700 nos, Plantation done within lease area and Additional 250 plants outside lease in eastern side of the lease

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)		about 0.5 ha.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation		plantation
6p	Compliance of environmental monitoring (core zone and buffer zone)	Monitoring on regular basis	Monitoring being done regularly
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Mineral has not exhausted from the pit, hence backfilling/ reclamation and PMCP by R&R has not been envisaged.

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM /grade Wise despatch after size reduction	ROM /grade Wise being Despatched after size reduction & Manual sorting	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised	Mechanised	
7c	Different grade of mineral sorted out at mines.	yes	35% to 43% CaO for Limestone 15% to 16% MgO for Dolomite	
7d	Any beneficiation process at mines	Dry Crushing & Screening only	Dry Crushing & Screening only	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	ROM/grade Wise mineral being despatched after Manual sorting and dry Crushing & Screening.
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### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	yes	Separate removal and utilization of topsoil carried out	
8b	Concurrent use or storage of topsoil		Utilized for Formation of Bund along the lease boundary and subsequent plantation.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for OB/waste	Separate dump for OB/waste Maintained as per proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	225 plants in 2018-19	Planted 700 inside lease & 250 outside lease	
8g	Survival rate		about 75%	

8h	Water sprinkling on roads to control airborne dust	Provision of Water Taker	Water sprinkling being carried out on regular Basis
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Greenery developed by doing Planation at available waste land within the lease area. Aesthetic beauty of surroundings appears to be good.

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#### Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		MR Submitted up to = 30th November-2019 AR Submitted up to = 2018-2019	Submitted regularly
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer, SHIVARAM K,	Mining Engineer, SHIVARAM K, Geologist: Shri Suresh Hegde appointed on 01.07.2019, Form-I Submitted.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Furnished	
9d	Scrutiny of Annual return on afforestation	Planted 700 inside lease 250 outside lease	Planted 700 inside lease 250 outside lease	As per submitted Annual Return of the year 2018-19
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Grade wise closing stock as on 1.4.2019 was 24947.914tons	Grade wise closing stock as on 1.4.2019 was 24947.914tons	As per submitted Annual Return of the year 2018-19
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex Mine Price- 520 Rs/T (Limestone) Cost of production- 230 Rs/T	Ex Mine Price- 520 Rs/T (Limestone) Cost of production- 230 Rs/T	As per submitted Annual Return of the year 2018-19

9k	Scrutiny of Annual return on mining machineries	Furnished.
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**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

**Date :**

**(PREM PRAKASH)**

Indian Bureau of Mines