

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

**Review and updation of Mining Plan REPORT**

**Bangalore regional office**

**Mine file No :** KNT/MYS/VER-5/BNG

**Mine code :** 62KAR14001

- (i) Name of the Inspecting : **A101** ) **ARUN KUMAR**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 05/02/2020
- (v) Prev.inspection date : 12/06/2017

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MUNDUR VERMICULITE MINE**
- (b) **Registration NO.** : **IBM/7903/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :  
State : KARNATAKA  
District : MYSORE  
Village : MUNDUR  
Taluka : K R NAGAR  
Post office : SALIGRAM HOBLI  
Pin Code :  
FAX No. : nil 9394051999  
E-mail : vermiculite@dugar.in,  
Phone : 9343809494, 044-28587878,
- (f) Police Station : Saligram
- (g) First opening date : 28/11/2005
- (h) Weekly day of rest : SUN
2. Address for : S 623,Sri Laxminarasimha Nilaya,  
correspondance : 3rd cross,Behind Jain Temple  
Srirangapatna - 571 438
3. (a) Lease Number : KAR1561
- (b) Lease area : 4.56
- (c) Period of lease : 20
- (d) Date of Expiry : 27/11/2025
4. Mineral worked : VERMICULITE Main

## 5. Name and Address of the

Lessee : DUGAR INSULATIONS INDIA PRIVATE LIMITED  
DUGAR TOWERS, 7TH FLOOR,  
34(123), MARSHALLS ROAD,  
EGMORE, CHENNAI CHENNAI  
CITY TAMIL NADU  
Phone:  
FAX :

Owner : DUGAR INSULATIONS INDIA PVT. LTD  
S 623,Sri Laxminarasimha  
Nilaya, 3rd cross,Behind  
Jain Temple Srirangapatna.  
MANDYA KARNATAKA  
Phone: 9343809494  
FAX : NIL

6. Date of approval of Mining : MP review under 17(1) MCR 2016 17/11/2017  
Plan/Scheme of Mining

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	16 Trial Pits & 2 trenches	Nil	The mine could not be operated from 15.12.2013 till date due to objection from local villagers & statutory clearances
1b	Exploration over lease area for geological axis 1 or 2	G1,G2 & G3	Area explored under G1-2 Ha & unexplored area- 2.565 Ha	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	M/S Dugar Insulations India Private Limited	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	2.565 Ha of unexplored area	Proposed in the next plan period
1e	Balance reserve as on 01/04/20	Nil	0.028 Million Tons of reserves & resources	As per approved document
1f	General remarks of inspecting officers on geology, exploration etc			The mine is non operational since 15.12.2013 till date due to objection from local villagers. Statutory clearances are not available

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N100-103,E168-300	Nil	No development work carried out since 2013
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches proposed in OB & Mineral	Nil	Nil
2c	Stripping ratio or ore to OB ratio	1:1	Nil	No work carried out since 2013

2d	Quantity of topsoil generation in m3	216 Tons	Nil	Nil
2e	Quantity of overburden generation in m3	731 Tons	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The mine is non operational due to want of statutory clearances & local objections

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 Reef proposed	Nil	Nil
3b	Quantity of ROM mineral production proposed	2372 Tons	Nil	Nil
3c	Recovery of sailable/usable mineral from ROM production	100% recovery from the mine & 50% recovery after processing in the factory	Nil	Nil
3d	Quantity of mineral reject generation	1186 Tons	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Nil	Nil
3f	Quantity of sub grade mineral generation.	No proposal	Nil	Nil
3g	Grade of sub grade mineral generation	No proposal	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Manual method proposed	Nil	Nil

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Manual method proposed	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	No drilling & blasting proposed	Nil	Nil
3k	Provision of mining machineries in mineral benches	No provision of mining Machinery	Nil	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 2-3 Mts bench ht proposed	Nil	Nil
3m	Total area covered under excavation/pits	1.00Ha proposed at the end of plan period (2019-2020)	0.05 Ha	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:1	Nil	Nil
3o	Total area put in use under different heads at the end of year	Area under mining-1.00Ha, top soil storage-0.02 Ha, Waste dump-0.03 Ha, Mineral storage-0.04 Ha, Infrastructure-0.02 Ha, Roads-0.02 Ha, Green Belt-0.10 Ha at the end of plan period	Area under mining-0.5 Ha, top soil storage-0.02 Ha, Waste dump-0.03 Ha, Mineral storage-0.04 Ha, Infrastructure-0.02 Ha, Roads-0.02 Ha,	As per approved RMP dt.06.03.2020
3p	Production of ROM mineral during the last five year period as applicable	2015-16-Nil 2016-17-Nil 2017-18-2372 Tons 2018-19-2372 Tons 2019-20-2372 Tons	2015-16-Nil 2016-17-Nil 2017-18-Nil 2018-19-Nil 2019-20-Nil	No production has been done in the last 5 years

3q	General remarks of inspecting officers on method of mining etc.	No mining operation has been carried out for want of statutory clearances & local objection
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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)	Separate dumping of OB & top soil proposed	Nil	Nil
4b	Location of topsoil, OB and mineral reject dumps	NW Corner for OB and SW Corner for Top Soil	Nil	Nil
4c	Number of dumps within lease area and outside of lease area	WML-1 No. OML-Nil	Nil	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NW Corner for OB and SW Corner for Top Soil	One dump	Nil
4e	Number of active and alive dumps.	One	Nil	Nil
4f	Number of dead dumps.	No proposal	Nil	Nil
4g	Number of dumps established.	No proposal	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall proposed	Nil	Nil
4i	Length of Retaining wall or garland drain all along dumps	Not specified	Nil	Nil
4j	Number of settling ponds	No proposal	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management			Mine is non operational since 2013

## 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	Nil
5b	Area under backfilling of mined out area	No proposal	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Nil	Nil
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No backfilling has been proposed & done as the mine is not working since 2013

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).	PMCP report to be submitted on or before 1st July every year	Report not submitted	No mining operation carried out
6b	Area available for rehabilitation (ha) .	No proposal	Nil	Nil
6c	afforestation done (ha).	No proposal	Nil	Nil
6d	No. of saplings planted during the year	No proposal	Nil	Nil
6e	Cumulative no .of plants	No proposal	Nil	Nil
6f	Any other method of rehabilitation	No proposal	Nil	Nil
6g	Cost incurred on watch and care during the year	No proposal	Nil	Nil

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Nil	Nil



6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring (core zone & buffer zone)proposed	Environmental monitoring ,not carried out	Mine is non working
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Mine is not working for the want of statutory clearances & localobjection

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Direct dispatch of ROM proposed to captive plant	Mine is non working	For captive consumption only
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual method proposed	Nil	Nil
7c	Different grade of mineral sorted out at mines.	Direct dispatch of ROM to their own processing plant	Nil	Size segregation proposed at their own processing plant
7d	Any beneficiation process at mines .	No proposal	No such beneficiation process adopted	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No mining operations have been carried out in the past plan period.

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal and utilization of topsoil proposed	No top soil generated	Non working mines

8b	Concurrent use or storage of topsoil	Reuse for Plantation purpose	Nil	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed for separate dumps in OB	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposals	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposals	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not specified	Nil	Nil
8g	Survival rate	No proposal	Nil	Nil
8h	Water sprinkling on roads to control airborne dust	Dust suppression using water tankers, dry fog dust suppression system	Nil	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			No mining operations have been carried out in the past plan period.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns		AR for 2018-19 not submitted	Violation issued for non submission of AR for FY 2018-19
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Nil	-	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil	-	-
9d	Scrutiny of Annual return on afforestation	Nil	-	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	-	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	-	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	-	-
9h	Scrutiny of Annual return on fixed assets	Nil	-	-
9k	Scrutiny of Annual return on mining machineries	Nil	-	-

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**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
Rule 45(5)	12/06/2020		

**Date :****(ARUN KUMAR)**

Indian Bureau of Mines