

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

Mining Plan Modification REPORT

Hyderabad regional office

Mine file No : AP/NLR/VR-23

Mine code : 62APR15015

- (i) Name of the Inspecting : **M001**) **S K MUDULI**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Sri Tikam Chand Dugar, Sri R. Saktivelu, Sri K. Sumanth B
Official with
Designation
- (iv) Date of Inspection : 06/03/2021
- (v) Prev. inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **DUGAR III**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : ANDHRA PRADESH
District : NELLORE
Village : PALICHERLA
Taluka : GUDUR
Post office : PALICHERLA
Pin Code :
FAX No. :
E-mail :
Phone :
- (f) Police Station : GUDUR
- (g) First opening date : 12/11/1989
- (h) Weekly day of rest : SUN
2. Address for : PALICHERLA (V), RAJUPALEM (PO)
correspondance : GUDURU (M)
NELLORE DISTRICT
3. (a) Lease Number : APR1024
- (b) Lease area : 2.71
- (c) Period of lease : 30
- (d) Date of Expiry : 11/11/2037
4. Mineral worked : VERMICULITE Main

5. Name and Address of the

Lessee : DUGAR INSULATIONS INDIA(P)LTD
 DUGAR TOWERS,123, MARSHALLS
 ROAD EGMORE,CHENNAI-8
 CHENNAI CITY TAMIL NADU
 Phone:
 FAX :

Owner : DUGAR INSULATIONS INDIA(P) LTD
 DUGAR TOWERS 123,MARSHALLS
 RD EGMORE,CHENNAI-8 CHENNAI
 CITY TAMIL NADU
 Phone:
 FAX :

Manager

Name : P.S.HARIBABU
 Qualification : DME
 Appointment/ : 20/02/2006
 Termination date

6. Date of approval of Mining	:	Renewal under rule 24 MCR1960	01/02/2008
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	05/02/2015

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No approved mining plan proposal for 2019-20.	Nil	ML suspended on 15.05.2018 and recommended for termination on 10.06.2019.
1b	Exploration over lease area for geological axis 1 or 2	-do-	About 1.5 Ha	ML has been explored by trial pits and mining pit.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-do-	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	-do-	About 1.207 Ha	
1e	Balance reserve as on 01/04/20	Nil	Nil	
1f	General remarks of inspecting officers on geology, exploration etc			Vermiculite occur as lensoidal bodies/pockets at the contact of schistose rocks and pegmatite.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No approved mining plan proposal for 2019-20.	No mining and development activity has been carried during 2019-20.	ML suspended on 15.05.2018.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	-do-	-do-	
2c	Stripping ratio or ore to OB ratio	-do-	-do-	
2d	Quantity of topsoil generation in m3	-do-	-do-	
2e	Quantity of overburden generation in m3	-do-	-do-	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Manual Mining method was adopted earlier. There is only one pit of dimension 109 m X 15m X 9m. Proper benching needs to be done.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No approved mining plan for 2019-20.	No mining and developement has been carried during 2019-20.	Only one pit has been developed in Block-1(South-Western Block).
3b	Quantity of ROM mineral production proposed	No approved mining plan for 2019-20.	Nil	ML suspended on 15.05.2018 and recommended for termination on 10.06.2019.
3c	Recovery of sailable/usable mineral from ROM production	No approved mining plan for 2019-20.	Nothing has been produced.	
3d	Quantity of mineral reject generation	No approved mining plan for 2019-20.	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable.	NA	
3f	Quantity of sub grade mineral generation.	No approved mining plan for 2019-20.	Nil	
3g	Grade of sub grade mineral generation	Not applicable.	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	No approved mining plan for 2019-20.	Nil	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No approved mining plan for 2019-20.	Beneficitation is not warranted.	

3j	Provision of drilling and blasting in mineral benches	No approved mining plan for 2019-20.	No mining and developement has been carried during 2019-20.	
3k	Provision of mining machineries in mineral benches	No approved mining plan for 2019-20.	Nil	
3m	Total area covered under excavation/pits	No approved mining plan for 2019-20.	1 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	No approved mining plan for 2019-20.	Nil	
3o	Total area put in use under different heads at the end of year	No approved mining plan for 2019-20.	1.30 Ha	
3p	Production of ROM mineral during the last five year period as applicable	2014-15-563 tonnes 2015-16-1240 tonnes 2016-17-248 tonnes 2017-18-Lapsed Period 2018-19-Lapsed period	2014-15-2000 tonnes 2015-16-Nil tonnes 2016-17-1305 tonnes 2017-18-630 tonnes 2018-19-Nil tonnes	Violation u/r 11(1) of MCDR-2017 on office record basis issued on 01.08.2017 for excess production during 2014-15 and 2016-17 in comparision to approved proposal.
3q	General remarks of inspecting officers on method of mining etc.			There is no mining activity during 2019-20. Earlier manual method of mining was adopted. ML suspended and recommended for termination before inspection of the mine.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No approved mining plan for 2019-20.	No mining and developement has been carried during 2019-20.	
4b	Location of topsoil, OB and mineral reject dumps	No approved mining plan for 2019-20.	Mineral reject dump in NE block.	

4c	Number of dumps within lease area and outside of lease area	No approved mining plan for 2019-20.	One Mineral Reject dump in NE block.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No approved mining plan for 2019-20.	Beyond UPL	
4e	Number of active and alive dumps.	One	One	No dumping activity during 2019-20. However there exists one waste dump in the ML.
4f	Number of dead dumps.	Nil	Nil within the ML	
4g	Number of dumps established.	One	One	
4h	Whether Retaining wall or garland drain all along dumps are there.	-	Yes	
4j	Number of settling ponds	-	Nil.	
4k	Specific comments of inspecting officer on waste dump management			No dumping activity during 2019-20. However there exists one waste dump in the ML.

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 approved mining plan for 2019-20.	0.51 Ha has been fully mined out for mineral Vermiculite only. Other minor minerals Quartz, Feldspar & Mica in the form of pegmatite rock is still there.	ML suspended on 15.05.2018.
5b	Area under backfilling of mined out area	No approved mining plan for 2019-20.	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No approved mining plan for 2019-20.	No Mining and Developmet carried during 2019-20.	Earlier being utilised for plantation purpose.

5d	Total area fully reclaimed and rehabilitated	As on date no part of the lease is matured to start backfilling.	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Mineral is yet to be exhausted. As on date no portion of the lease is matured to start back filling.

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).	To be submitted	Not submitted	ML suspended on 15.05.2018.
6b	Area available for rehabilitation (ha) .	No approved mining plan for 2019-20.	Nil	No part of the area is matured to start backfilling, minor minerals (Quartz, Feldspar & Mica) in form of pegmatite rock is still there which is not granted in the ML.
6c	afforestation done (ha).	No approved mining plan for 2019-20.	Nil	
6d	No. of saplings planted during the year	No approved mining plan for 2019-20.	Nil	
6f	Any other method of rehabilitation	No approved mining plan for 2019-20.	Not done.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No approved mining plan for 2019-20.	Not done	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No approved mining plan for 2019-20.	Not done
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No approved mining plan for 2019-20.	Not done
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No approved mining plan for 2019-20.	Not done
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No approved mining plan for 2019-20.	Not done
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No approved mining plan for 2019-20.	Not done.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No approved mining plan for 2019-20.	Not done.
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No approved mining plan for 2019-20.	Not done.
6p	Compliance of environmental monitoring (core zone and buffer zone)	No approved mining plan for 2019-20.	Environmental monitoring not carried out.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Environmental monitoring and plantation has not been done during 2019-20. Lessee has been advised to carry out environmental monitoring and plantation within lease.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No approved mining plan for 2019-20.	No grade wise sorting.No despatch has been done during 2019-20.	ML suspended on 15.05.2018.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No approved mining plan for 2019-20.	Not carried during 2019-20.	
7c	Different grade of mineral sorted out at mines.	No approved mining plan for 2019-20.	No mineral sorting carried during 2019-20.	
7d	Any beneficiation process at mines	No approved mining plan for 2019-20.	Beneficiation process not warranted.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Processing of the ROM is being done at the plant located at the adjacent lease of the same lessee.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No approved mining plan for 2019-20.	No mining and developement activity has been carried during 2019-20.	ML suspended on 15.05.2018.
8b	Concurrent use or storage of topsoil	No approved mining plan for 2019-20.	-do-	Earlier utilised for plantation.

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No approved mining plan for 2019-20.	No mining and developement activity has been carried during 2019-20.	Earlier waste dumping has been done out in the adjacent lease.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No approved mining plan for 2019-20.	Nil during 2019-20.	Earlier Partial back filling has been carried in North-Eastern Block.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No approved mining plan for 2019-20.	Nil during 2019-20.	
8h	Water sprinkling on roads to control airborne dust	No approved mining plan for 2019-20.	No mining and developement activity has been carried during 2019-20.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantation has been done along the 7.5m safety barrier zone to improve the aesthetic beauty of the mine.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual return to be submitted in time.	AR for 2019-20 Submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Submitted as NIL	Mining Engineer and Geologist Not appointed.Lessee advised to appoint ME and Geologist.	R.Shaktivelu - Diploma in Mining

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	1.30 Ha	1.30 Ha
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	To be submitted	Submitted as 1589 tonnes of Vermiculite
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	To be submitted	Nil as there is no production and despatch during 2019-20.
9h	Scrutiny of Annual return on fixed assets	Nil	Nil
9k	Scrutiny of Annual return on mining machineries	Nil	No production,development and despatch during 2019-20.

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 :

(S K MUDULI)

Indian Bureau of Mines