

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

Mining Plan Modification REPORT

Hyderabad regional office

Mine file No : AP/NLR/VR-8

Mine code : 62APR15003

- (i) Name of the Inspecting : **DP09**) **D.P.Ravi kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : S/SHRI , K.SUMANTH BABU, QP AND M.TIKAMCHAND K
Official with
Designation
- (iv) Date of Inspection : 11-SEP-21
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **DUGAR- I**
- (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 : RAJUPALEM
Pin Code : 524102
FAX No. :
E-mail :
Phone :
- (f) **Police Station** :
- (g) **First opening date** : 01-AUG-75
- (h) **Weekly day of rest** : SUN
2. **Address for** :
correspondance
3. (a) **Lease Number** : APR1031
- (b) **Lease area** : 61.64
- (c) **Period of lease** : 30
- (d) **Date of Expiry** : 07-JUL-25
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 :

6. Date of approval of Mining :
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No approved proposals for the year 2020-21	Nil	Mine is temporarily discontinued from 30.04.2015.
1b	Exploration over lease area for geological axis 1 or 2	-do-	Nil	Nil
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-	No exploration has been carried out.	Nil
1e	Balance reserve as on 01/04/20	-do-	Not commentable.	
1f	General remarks of inspecting officers on geology, exploration etc			The Mine is temporarily discontinued from 30.04.2015. Occurrence of vermiculite is found at the contact of schist and pegmatite intrusion and the thickness of vermiculite is maximum upto 1m. There are seven trail Pits. The pit trend is in NNW to SSE.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	No approved proposals for the year 2020-21	Nil	There are seven trail pits are existing in the mine.

2b	Separate benches -do- in topsoil, overburden and minerals (Rule 15)		No separate benches have been developed.	
2c	Stripping ratio -do- or ore to OB ratio		Nil	Development of Pegmatite has been carried as waste and stored within the lease.
2d	Quantity of -do- topsoil generation in m3		Nil	
2e	Quantity of -do- overburden generation in m3		Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mine is not working and temporarily discontinued from 30.04.2015.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No approved proposals forthe year 2020-21		Mine is not working and temporarily discontinued from 30.04.2015. There are seven trail pits are existing in the lease area.
3b	Quantity of ROM -d-- mineral production proposed		Does not arise.	
3c	Recovery of -do- sailable/usable mineral from ROM production		None	

3d	Quantity of mineral reject generation	-do-	none	Pegmatite generated as a result of vermiculite mining is stored within lease.
3e	Grade of mineral rejects generation and threshold value declared.	-do-	Not applicable	Nil
3f	Quantity of sub grade mineral generation.	-do-	Nil	
3g	Grade of sub grade mineral generation	-do-	Not applicable.	
3h	Manual / Mechanised method adopted for segregating from ROM	-do-		
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	-do-	Nil	
3j	Provision of drilling and blasting in mineral benches	-do-	Nil	
3k	Provision of mining machineries in mineral benches	-do-	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	-do-	Nil	
3m	Total area covered under excavation/pits	-do-	Nil	

3n	Ore to OB ratio for the pit/mine during the year.	-do-	Nil	
3o	Total area put in use under different heads at the end of year	-do-	About 2 ha., Trail Pits, waste dump and Office.	About 2 ha. , Trail Pits, waste dump and Office.
3p	Production of ROM mineral during the last five year period as applicable	-do-		Working Temporarily Suspended from 30.04.2015
3q	General remarks of inspecting officers on method of mining etc.	-do-		Working Temporarily Suspended from 30.04.2015 .

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 proposal for 2020-21.	Nil	The Mine is temporarily discontinued from 30.04.2015. Pegmatite has been dumped separately.
4b	Location of topsoil, OB and mineral reject dumps	-do-	Nil	
4c	Number of dumps within lease area and outside of lease area	-do-	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	-do-	Nil	
4e	Number of active and alive dumps.	-do-	Nil	
4f	Number of dead dumps.	-do-	Nil	
4g	Number of dumps established.	No approved proposal for 2020-21	Nil	

4h	Whether Retaining wall or garland drain all along dumps are there.	No approved proposal for 2020-21	Nil	
4i	Length of Retaining wall or garland drain all along dumps	-do-	Nil	
4j	Number of settling ponds	-do-	Nil	
4k	Specific comments of inspecting officer on waste dump management	No approved proposals for the year 2020-21		Retaining wall surrounding the dumps have not been constructed

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 proposals for the year 2020-21	Nil	
5b	Area under backfilling of mined out area	-do-	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	-do-	Nil	
5d	Total area fully reclaimed and rehabilitated	-do-	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-do-		No part of the lease area is matured for 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	Mine is temporarily discontinued from 30.04.2015.
6b	Area available for rehabilitation (ha) .	No approved proposal for 2020-21.	Nil	
6c	afforestation done (ha).	-do-	Nil	No part of the lease are is matured for back filling
6d	No. of saplings planted during the year	-do-	Nil	
6e	Cumulative no .of plants	-do-	Nil	
6f	Any other method of rehabilitation	-do-	Nil	
6g	Cost incurred on watch and care during the year	-do-	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	-do-	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	-do-	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	-do-	Nil	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	-do-	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	-do-	Nil	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	-do-	Nil	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	-do-	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	-do-	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	-do-	Nil	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-do-	Nil	Retaining wall around dumps has not been consteructed.Bank Guarantee of Rs 13,98,000.00 is valid upto 31.03.2026.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	No approved proposal for the year 2020-21	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	-do-		Mine is temporarily discontinued from 30.04.2015
7c	Different grade of mineral sorted out at mines.	-do-	Nil	
7d	Any beneficiation process at mines .	-do-	Beneficiation is not warranted	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-do-		Beneficiation is not warranted.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No approved proposal for the year 2020-21.	Nil	
8b	Concurrent use or storage of topsoil	-do-		Mine is temporarily discontinued from 30.04.2015.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	-do-	Nil	Separate dump has been provided for waste, Mineral Reject

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	-do-	Nil	The Mineral Reject may be used in future.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	-do-	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-do-	Nil	
8g	Survival rate	-do-	Nil	
8h	Water sprinkling on roads to control airborne dust	-do-	Nil	Mine is temporarily discontinued from 30.04.2015.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Small heaps of dump placed hapazardly within the lease.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	To be submitted in time.	Nil Annual return for the year 2020-21 submitted.Nil Monthly return being submitted.	Mine is temporarily discontinued from 30.04.2015.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mr.R.Shakthivelu, Mine Manager	Mr.R.Shakthivelu, Mine Manager	Mine
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	To be furnished		
9d	Scrutiny of Annual return on afforestation	To be furnished.		
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	To be furnished.		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	85 tonnes		
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Nil as there is no production.	Mine is temporarily discontinued from 30.04.2015.
9h	Scrutiny of Annual return on fixed assets	Nil	Plant is within the Mine. But financial related details not available.	
9k	Scrutiny of Annual return on mining machineries	-	-	-

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 :
(D.P.Ravi kumar)

Indian Bureau of Mines