

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

Mining Plan Modification REPORT

Hyderabad regional office

Mine file No : AP/NLR/VR-20

Mine code : 62APR15009

- (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.TKAMCHAND KHIM
Official with
Designation
- (iv) Date of Inspection : 12-SEP-21
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **DUGAR II**
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address** :
State : ANDHRA PRADESH
District : NELLORE
Village : P.RAJUPALEM
Taluka : GUDUR
Post office : P.RAJUPALEM
Pin Code :
FAX No. :
E-mail :
Phone :
- (f) **Police Station** :
- (g) **First opening date** : 01-JAN-80
- (h) **Weekly day of rest** : SUN
2. **Address for** :
correspondance
3. (a) **Lease Number** : APR1030
- (b) **Lease area** : 38.75
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 11-SEP-95
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 : Mining Scheme rule 12 MCDR1988 17-MAR-09
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	09 nos trial Pits were dug existed in the mining lease area .Each of dimension 3m X 3m X 5 m	Last Scheme of Mining was approved on 17.03.2019 for the period 2008-09 to 2012-13.The lessee has submitted the Notice of Temporary Discontinuance wef 30.04.2015.
1b	Exploration over lease area for geological axis 1 or 2	No approved mining plan proposal for 2020-21	2 Ha in G1 level.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-do-	Rs 20000.00	
1d	Balance area to be explored to bring Geological axis in 1 or 2	-do-	About 36.75 Ha to be explored in G1/G2 level.	
1e	Balance reserve as on 01/04/20	-do-	As per last approved scheme of mining approved on 17.03.2019, the reserves details are as follows: 3000 tonnes(111 category) 2400 tonnes (121 and 122 category), 1800 tonnes (334category)	Production achieved from 2010-11-5240 tonnes, 2011-12-2580 tonnes, 2012-13-520 tonnes, 2013-14-700 tonnes, 2014-15- Nil tonnes, 2015-16- Nil tonnes, 2016-17- Nil tonnes, 2017-18- Nil tonnes, 2018-19- Nil tonnes, 2019-20- Nil tonnes, 2020-21- Nil tonnes.

1f	General remarks of inspecting officers on geology, exploration etc	Vermiculite occur as lensoidal bodies/pockets in between schistose rocks where ever pegmatitic intrusion is there.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No approved mining plan proposal for 2020-21.	No mining and developement activity has been carried during 2020-21.	The lessee has submitted the Notice of Temporary Discontinuance wef 30.04.2015.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	-do-	-do-	
2c	Stripping ratio or ore to OB ratio	-do-	Nil	
2d	Quantity of topsoil generation in m3	-do-	Nil	
2e	Quantity of overburden generation in m3	-do-	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Manual Mining method was adopted earlier.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	No approved mining plan proposal for 2020-21.	No mining and developement has been carried during 2020-21. There are 6 nos small pits.	The lessee has submitted the Notice of Temporary Discontinuance wef 30.04.2015.
3b	Quantity of ROM mineral production proposed	-do-	Nil	
3c	Recovery of sailable/usable mineral from ROM production	-do-	Nil	
3d	Quantity of mineral reject generation	-do-	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	-do-	Nil	
3f	Quantity of sub grade mineral generation.	-do-	Nil	
3g	Grade of sub grade mineral generation	-do-	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	-do-	Nil	Earlier Manual method practiced.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	-do-	Beneficitation not warranted.	
3j	Provision of drilling and blasting in mineral benches	-do-	No mining and developement has been carried during.	
3k	Provision of mining machineries in mineral benches	-do-	-do-	Last mining plan approved for manual method of mining

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	-do-	No mining and developement has been carried during 2020-21		
3m	Total area covered under excavation/pits	-do-	About 1 Ha		
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		
3p	Production of ROM mineral during the last five year period as applicable	2014-15-Lapsed Period 2015-16-Lapsed Period 2016-17-Lapsed Period 2017-18-Lapsed Period 2018-19-Lapsed Period, 2019-20 lapsed period, 2020-21 lapsed period.	2014-15-Lapsed Period 2015-16-Lapsed Period 2016-17-Lapsed Period 2017-18-Lapsed Period 2018-19-Lapsed period.	2019-20-Lapsed period.	The lessee has submitted the Notice of Temporary Discontinuance wef 30.04.2015.
3q	General remarks of inspecting officers on method of mining etc.		Last mining plan approved for manual method of mining.		

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No approved mining plan proposal for 2020-21	No mining and developement has been carried during 2020-21	Earlier separate dumping of OB/waste has been done along the lease boundary. The lessee has submitted the Notice of Temporary Discontinuance wef 30.04.2015.
4b	Location of topsoil, OB and mineral reject dumps	-do-	Within the Mining Lease.	
4c	Number of dumps within lease area and outside of lease area	-do-	1 nos major dump and 9 nos stacks.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	-do-	Earlier waste/ob dumped out side the UPL.	
4e	Number of active and alive dumps.	-do-	1 major dump and 9 nos stacks.	
4f	Number of dead dumps.	-do-	Nil, within the ML	
4g	Number of dumps established.	-do-	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	-do-		No retaining wall or garland drain found around the earlier OB/waste dump.
4i	Length of Retaining wall or garland drain all along dumps	-do-	NA	
4j	Number of settling ponds	-do-	Nil as no waste dump lies within the lease.	
4k	Specific comments of inspecting officer on waste dump management			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 mining plan proposal for 2020-21.	Nil	No part of the lease area is fully exhausted of mineral to start back filling.The lessee has submitted the Notice of Temporary Discontinuance wef 30.04.2015.
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-	No Mining and Develpment carried during	
5d	Total area fully reclaimed and rehabilitated	-do-	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No part of the lease area is fully exhausted of mineral 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.	The lessee has submitted the Notice of Temporary Discontinuance wef 30.04.2015.
6b	Area available for rehabilitation (ha) .	No approved proposal for 2020-21	Nil	
6c	afforestation done (ha).	-do-	Nil	
6d	No. of saplings planted during the year	-do-	Nil	

6e	Cumulative no .of plants	-do-	20nos.of plants.
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-	During 2020-21 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 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-	25 nos sapplings planted.

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.			Environmental monitoring has not been carried out. Further, The lessee has submitted the Notice of Temporary Discontinuance wef 30.04.2015.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No approved mining plan proposal for 2020-21	No grade wise sorting.	The lessee has submitted the Notice of Temporary Discontinuance wef 30.04.2015.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	-do-	Not carried during 2020-21.	
7c	Different grade of mineral sorted out at mines.	-do-	No mineral sorting carried during 2020-21	

7d	Any beneficiation process at mines .	-do	Beneficiation process not warranted.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Beneficiation is not warranted.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No approved mining plan proposal for 2020-21.	No mining and developement activity has been carried during 2020-21	
8b	Concurrent use or storage of topsoil	-do-	-do-	Earlier utilised for plantation.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	-do-	No mining and developement activity has been carried during 2020-21	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	-do-	Nil during 2020-21	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	-do-	Nil during 2020-21	

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-	No mining and developement activity has been carried during 2020-21	The lessee has submitted the Notice of Temporary Discontinuance wef 30.04.2015
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		No mining activies during 2020-21	Mine is temporarily discontinued from 30.04.2015.

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 2020-21 Submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Submitted as NIL	Mining Engineer and Geologist not appointed.	Shri R.Shaktivelu - Diploma in Mining Shri K.Sumantha Babu- Consultanat Geologist.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	To be furnished	Furnished.	The lessee has submitted the Notice of Temporary Discontinuance wef 30.04.2015
9d	Scrutiny of Annual return on afforestation	-do-	-do-	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	-do-	-do-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	To be submitted	Furnished.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	To be submitted	Furnished.
9h	Scrutiny of Annual return on fixed assets	-do-	-do-
9k	Scrutiny of Annual return on mining machineries	-do-	-do-

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