

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

Review and updation of Mining Plan REPORT

Hyderabad regional office

Mine file No : AP/NLR/QTZ-105/HYD

Mine code : 41APR15151

- (i) Name of the Inspecting : **DP09**) **D.P.Ravi kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : ACCOMPANIED BY S/SHRI K.GOVINDA RAO, QP AND SR
Official with
Designation
- (iv) Date of Inspection : 19/12/2022
- (v) Prev.inspection date : 05/03/2019

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **UTUKURU(4.978 HA)**
- (b) **Registration NO.** : **IBM/10875/2012**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : **ANDHRA PRADESH**
District : **NELLORE**
Village :
Taluka :
Post office :
Pin Code :
FAX No. : --
E-mail : **SRI_NANI78@YAHOO.COM**
Phone : **9666505739**
- (f) Police Station : **SYDAPURAM**
- (g) First opening date : **01/06/2009**
- (h) Weekly day of rest : **SUN**
2. Address for : **H.NO.19-8-169/20,SBI COLONY**
correspondance : **TIRUPATHI(URBAN)**
CHITTOOR DISTRICT ANDHARA PRADESH
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : **MICA** Main
FELSPAR Associated
QUARTZ Associated
VERMICULITE Associated

5. Name and Address of the

Lessee : G.CHAKRAVARTHI NAIDU
UTUKUR(V) SYDAPURAM(M)
NELLORE DISTRICT NELLORE
ANDHRA PRADESH
Phone:
FAX :

Owner : G SREE KALYANA CHAKRAVARTHY NAIDU
19-8-169/20 SBI COLONY
TIRUPATHI URBAN CHITTOOR
DISTRICT ANDHARA PRADESH
NELLORE ANDHRA PRADESH
Phone:
FAX :

6. Date of approval of Mining : MP review under 17(1) MCR 2016 26/03/2019
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	There is no backlog for exploration.	No exploration was carried out during the year 2021-22.	No remarks to be made.
1b	Exploration over lease area for geological axis 1 or 2	No exploration was proposed during the year 2021-22.	No exploration was carried out during the year 2021-22.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None	None	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	The area under G1 level was 3 ha. Another 1.978 ha is under G3 level which needs to be explored	proposals have been made in the draft RMP for carrying out exploration during the year 2023-24 for upgrading the G3 to G1 level.
1e	Balance reserve as on 01/04/20	3.93 t	3.93 t	
1f	General remarks of inspecting officers on geology, exploration etc	There was no proposal for exploration	No exploration was carried out during the year 2021-22	Vermiculite occurs at the contact zone of the Micaceous Schist and Pegmatite.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	E 368920-E 368950 N 1559205- N 1559150	Carried within the proposed area	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Benches to be developed only for obtaining Mineral zone	Benches developed in mineralised zone	Pit development was on proposed location, no deviation found
2c	Stripping ratio or ore to OB ratio	None	1:0.5	Nil
2d	Quantity of topsoil generation in m3	No such Proposal	Nil	Nil

2e	Quantity of overburden generation in m3	None	None	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		There is one pit is existing in the lease area and Vermiculite occurs at the contact zone of the Micaceous Schist and Pegamite. Further, development was observed within approved limit.	There is one pit is existing in the lease area and Vermiculite occurs at the contact zone of the Micaceous Schist and Pegamite. Further, development was observed within approved limit.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One Pit was proposed	One Pit was noticed in the lease.	Nil
3b	Quantity of ROM mineral production proposed	During the year 2021-22 , the vermiculite is not proposed for production.	Vermiculite is produced during 2021-22	During the year 2021-22 , the vermiculite is not proposed for production.
3c	Recovery of sailable/usable mineral from ROM production	75%	75%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	None	None	Nil
3f	Quantity of sub grade mineral generation.	Nil	Nil	Nil
3g	Grade of sub grade mineral generation	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	Nil

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	
3j	Provision of drilling and blasting in mineral benches	No proposal	No done.	
3k	Provision of mining machineries in mineral benches	No machinisation proposed for mining	Not done	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No machinisation	not done	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.5	about same	
3o	Total area put in use under different heads at the end of year	0.12	0.122 ha.	
3p	Production of ROM mineral during the last five year period as applicable	Production is not proposed for Vermiculite for the year 2021-22 .	None.	During the year 2021-22 , the vermiculite is not proposed for production.
3q	General remarks of inspecting officers on method of mining etc.	Opencast Mining	The exploitation of mineral has been done within the development plan proposed for the year.	The exploitation of mineral has been done within the development plan proposed for the year.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not proposed	Not applicable	

4b	Location of topsoil, OB and mineral reject dumps	Nil	Nil	
4c	Number of dumps within lease area and outside of lease area	No new dump formation proposed	substantial old dump is observed - 01 within lease area. No new dump formed.	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Found to outside UPL	Nil
4e	Number of active and alive dumps.	One	Only one active dump. However very small stacks of waste are noticed in and around the pit.	Nil
4f	Number of dead dumps.	No proposals	No dead dump is there	Nil
4g	Number of dumps established.	No proposal for stabilisation	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed	Not applicable	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Nil	
4j	Number of settling ponds	No Proposal for reporting year.	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management		There is no waste dump for Vermiculite seperatly, but there is one waste dump for minor mineral are existed in the lease area.	There is no waste dump for Vermiculite seperatly, but there is one waste dump for minor mineral are existed in the lease area.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	None	None	Nil
5b	Area under backfilling of mined out area	None	None	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	None	None	Nil
5d	Total area fully reclaimed and rehabilitated	None	None	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No area matured for reclamation till date.

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).	Yearly report on PMCP to be submitted.	Yes, submitted	Nil
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	03.ha	03.ha	
6d	No. of saplings planted during the year	100 no of plants in safety zone area.	100 no. of sapplings have been planted in the safety zone area.	Nil
6e	Cumulative no .of plants	Not specified	During the site inspection it is observed that 300 nos of saplings planted by the lessee.	Nil
6f	Any other method of rehabilitation	No Proposal	Nil	

6g	Cost incurred on watch and care during the year	Not specified	Rs 6000(as informed by the lessee)	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	None	None	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None	None	None
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	None	None	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No propopsal	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Nil	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	Nil	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	Nil	

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposal	Nil	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Environmental Monitoring and plantation activities were done.	Environmental Monitoring and plantation activities were done.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting	Grade wise sorting	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual sorting & grading	Manual sorting & grading is being done.	Manual sorting & grading is being done.
7c	Different grade of mineral sorted out at mines.	Nil	No prosscending done in lease area	No prosscending done in lease area
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Only manual segregation and grading have been done in respect of minor mineral. Vermiculite is directly saleable in market.	Only manual segregation and grading have been done in respect of minor mineral. Vermiculite is directly saleable in market.	Only manual segregation and grading have been done in respect of minor mineral. Vermiculite is directly saleable in market.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal.	Nil	
8b	Concurrent use or storage of topsoil	No proposal.	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal.	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	100 nos.	100 nos.	Nil
8g	Survival rate	60%	60%	Nil
8h	Water sprinkling on roads to control airborne dust	No proposal.	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		About 100 saplings is planted during the year to improve the aesthetic beauty of the area.	About 100 saplings is planted during the year to improve the aesthetic beauty of the area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Monthly and Annual Returns to be submitted regularly.	Submitted status is satisfactory	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under mining: 1.134 ha. roads & others purpose:0.122	The area mentioned under different headings are almost matching.	The area mentioned under different headings are almost matching.
9d	Scrutiny of Annual return on afforestation	20 saplings	100 saplings	During the inspection it is observed that 100 saplings were planted during the year 2021-22.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	None	None	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil	During the year 2021-22 not produced Vermiculite mineral.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Nil	
9h	Scrutiny of Annual return on fixed assets	Rs. 362495/-	Rs. 362495/-	
9k	Scrutiny of Annual return on mining machineries	One Shovel (Hydraulic) of 0.600 cum capacity.	One Shovel (Hydraulic) of 0.600 cum capacity.	

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 :**(D.P.Ravi kumar)**

Indian Bureau of Mines