

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

Review and updation of Mining Plan REPORT

Hyderabad regional office

Mine file No : AP/NLR/MC-339

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 : **G.SREE KALYANA CHAKRAVARTHY NAIDU, LESSEE**
Official with
Designation
- (iv) Date of Inspection : 05/03/2019
- (v) Prev.inspection date : 03/09/2018

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 correspondence : **H.NO.19-8-169/20,SBI COLONY**
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 :
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 valid approved document	Nil	Lessee submitted the review of Mining Plan for approval and same is under precess.
1b	Exploration over lease area for geological axis 1 or 2	Nil	1.090 ha(Mining Pit area with max depth of mining 20m)	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	6nos. of exploratory pits made in 2018-19 with an expenditure of about Rs.0.60 lakhs
1d	Balance area to be explored to bring Geological axis in 1 or 2	-	3.778 ha.	
1e	Balance reserve as on 01/04/20	No approved proposals	Balance mineable Reserves Quartz=53876 Feldspar=98938 T Vermiculite =17280 T as per the reserves / resources quantity approved in the last mining plan.	Lessee has submitted review of mining plan for approval and the same is under process.
1f	General remarks of inspecting officers on geology, exploration etc	No approved proposals.		Exploration is at very primary stage. Concrete proposal to be made to explore the entire area under G1 level. Further, lessee has submitted review of mining plan for approval which is under process.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	No valid approved proposals	-	The lessee has submitted review of mining plan for approval the same is under process.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No valid approved proposals.	Quartz, Feldspar mined out combinely by developing benches and thereafter segregated. Vermiculite is mined out at the contact zone.	Lessee has submitted drfat review of mining plan for approva the same is under process.
2c	Stripping ratio or ore to OB ratio	No valid proposals / document	Mine is not in operation during 2017-18	Lessee submitted the draft review of mining plan for approval and the same under process.
2d	Quantity of topsoil generation in m3	No valid proposals / document	Mine is not in operation during 2017-18	Lessee has submitted draft review of mining plan for approval and the same is under process.
2e	Quantity of overburden generation in m3	No valid proposals / document	Mine is not in operation during 2017-18.	Lessee has submitted draft review of mining plan for approval and the same is under process.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mine is not in operation during 2017-18. However, in total the mine pit has been developed in the NW-SE direction and the development of pit is ok wrt the type of deposit. Further, lessee has submitted drafr review of mining plan for approval and same is under process.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No valid approved proposals / document	Mine is not in operation during 2017-18	Only two pits exists.

3b	Quantity of ROM mineral production proposed	No valid approved Mining Proposals.	Mine is not in operation during 2017-18	Lessee has submitted draft review of Mining Plan for approval and same is under process.
3c	Recovery of sailable/usable mineral from ROM production	No valid approved proposals.	Mine is not in operation.	Lessee has submitted draft Review of Mining Plan for approval and the same is under process.
3d	Quantity of mineral reject generation	No valid proposals		Lessee has submitted draft Review of Mining Plan for approval and the same id under process.
3e	Grade of mineral rejects generation and threshold value declared.	No valid proposals/ document		Lessee has submitted draft Review of Mining Plan for approval and the same is under process.
3f	Quantity of sub grade mineral generation.	No valid approved document		Mine is not in operation during 2017-18. Further, lessee has submitted draft Review of Mining Plan for approval and same is under process.
3g	Grade of sub grade mineral generation	No valid approved Mining Plan		Mine is not in operation during 2017-18. Further, lessee has submitted draft Review of Mining Plan for approval and same is under process.
3h	Manual / Mechanised method adopted for segregating from ROM	No approved valid document.		Mine is not in operation during 2017-18. in general the segregation of ROM is done manually. Further, lessee has submitted draft review of Mining Plan for approval and same is under process.

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No valid approved document		Lessee has submitted draft Review of Mining Plan for approval and the same is under process.
3j	Provision of drilling and blasting in mineral benches	No valid approved document.	Mine is not in operation during 2017-18.	Lessee has submitted draft review of Mining Plan for approval and the same is under process.
3k	Provision of mining machineries in mineral benches	No valid approved document	Mine is not operation during 2017-18	Lessee has submitted draft Review of Mining Plan for approval and same is under process.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No valid approved document	Mine is not in operation during 2017-18.	Lessee has submitted draft Review of Mining Plan for approval and same is under process.
3m	Total area covered under excavation/pits	No valid approved document.		Total area covered under excavation /pit is 1.090 ha.
3n	Ore to OB ratio for the pit/mine during the year.	No valid approved document	Mine is not in operation during 2017-18	Lessee has submitted draft Review of Mining Plan for approval and the same is under process.
3o	Total area put in use under different heads at the end of year	No valid approved document	Around 2 ha.	Lessee has submitted draft Review of Mining Plan for approval and the same is under process
3p	Production of ROM mineral during the last five year period as applicable	No valid approved documnet	Production during the period 2013-14 to 2017-18 Quartz =182 T, Feldspar=10195 Vermiculite =771 T	
3q	General remarks of inspecting officers on method of mining etc.			ROM and waste dump mixed. No valid approved document. Further, lessee submitted draft Review of Mining Plan for approval and same is under process.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No valid approved proposals /document		Old OB / waste dump exists.
4b	Location of topsoil, OB and mineral reject dumps	No valid approved proposals / document	N 50 to 208 and E 295 to E 345	ROM dumped over old OB/ waste dump
4c	Number of dumps within lease area and outside of lease area	No valid approved proposals / document	01	No valid approved document. Lessee has submitted draft Review of Mining Plan for approval and same is under process.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	-	Outside UPL	-
4e	Number of active and alive dumps.	-	01	Dumping activity extended outside the lease in East direction.
4f	Number of dead dumps.	Nil	Nil	Nil
4g	Number of dumps established.	01	01	
4h	Whether Retaining wall or garland drain all along dumps are there.		Nil	
4i	Length of Retaining wall or garland drain all along dumps	No valid approved document	Nil	No valid document. Lessee has submitted draft Review of Mining Plan for approval and same is under process.
4j	Number of settling ponds		Nil	
4k	Specific comments of inspecting officer on waste dump management	No valid approved document .		Lessee has submitted draft Review of Mining Plan for approval and the same is under process.

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.		Nil	
5b	Area under backfilling of mined out area		Nil. Till date no part of the lease area is completely exhausted.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)		Will be utilised for plantataion purpose.	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Till date no part of the lease arae is completely exhausted.

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).	No	No	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	Nil	Nil	
6d	No. of saplings planted during the year	Nil	Nil	
6e	Cumulative no .of plants	Nil	Nil	

6f	Any other method of rehabilitation		Nil	No valid approved document. Lessee has submitted the draft Review of Mining Plan for approval and the same is under process.
6g	Cost incurred on watch and care during the year	No valid document	Nil	Lessee has submitted the Review of Mining Plan for approval. The same is under approval.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D		Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No valid approved document	Nil	Lessee has submitted the draft Review of Mining Plan for approval which is under process.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	No valid approved document. Lessee has submitted the draft Review of Mining Plan for approval the same is under process.		No valid approved document. Lessee has submitted draft Review of Mining Plan for approval the same is under process.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	No valid approved document . Lessee submitted the draft Review of Mining Plan for approval and the same is under process.
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No valid approved document.		Lessee has submitted draft Review of Mining Plan for approval and same is under process.

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No valid approved document		Lessee has submitted draft Review of Mining Plan for approval the same is under process.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No valid approved document.Lessee has submitted draft Review of Mining Plan for approval the same is under process.		Lessee has submitted draft Review of Mining Plan for approval the same is under process.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No valid approved document. Lessee has submitted draft Review of Mining Plan for approval the same is under process.		Lessee has submitted draft Review of Mining Plan for approval the same is under process.
6p	Compliance of environmental monitoring (core zone and buffer zone)	No valid approved document. Lessee has submitted draft Review of Mining Plan for approval the same is under process.		Lessee has submitted draft Review of Mining Plan for approval the same is under process.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No valid approved document. Lessee has submitted draft Review of Mining Plan for approval the same is under process.		Lessee has submitted draft Review of Mining Plan for approval the same is under process.

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 valid approved document.	During 2017-18 there was production of 3000 t of Feldspar from old ob/waste dump. Also 3000 t of Feldspar was despatched.	Lessee has submitted draft Review of Mining Plan for approval the same is under process.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No valid approved document.	Manual	Lessee has submitted draft Review of Mining Plan for approval the same is under process.
7c	Different grade of mineral sorted out at mines.	No valid approved document.	Mineral was sorting for mineral Quartz, Feldspar is being carried out.	Lessee has submitted draft Review of Mining Plan for approval the same is under process.
7d	Any beneficiation process at mines .	No valid document.	Manual segregation	Lessee has submitted draft Review of Mining Plan for approval the same is under process.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Old OB/Waste dump contains quartz, feldspar and needs to be segregatiuon for seperatly.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No valid proposals		Lessee has submitted draft Review of Mining Plan for approval the same is under process.
8b	Concurrent use or storage of topsoil	No valid proposals		Lessee has submitted draft Review of Mining Plan for approval the same is under process.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)		One old dump OB/ waste dump exist.	Lessee has submitted draft Review of Mining Plan for approval the same is under process.

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No valid approved document.	3000 t of Feldspar produced from old OB/waste dump.	Lessee has submitted draft Review of Mining Plan for approval the same is under process.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No valid approved document	No part of the lease area is completely exhausted to carry out reclamation and rehabilitation.	Lessee has submitted draft Review of Mining Plan for approval the same is under process.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		Only bushes exists. However adjacent to the lease in the south side, nilgiri plant cultivation has been carried out.	Lessee has submitted draft Review of Mining Plan for approval the same is under process.
8g	Survival rate	No valid approved proposals.	No sapling plantation done.	Lessee has submitted draft Review of Mining Plan for approval the same is under process.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No valid approved document.		Lessee has submitted draft Review of Mining Plan for approval the same is under process.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly returns upto December 2018 and Annual Return for the year 2017-18 submitted.	Monthly returns up to December 2018 and Annual reurns submitted from 2008-09 to 2017-18.	Annual reurns submitted from 2008-09 to 2017-18.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not given	Mine is not in operation during 2017-18	Mine is not in operation during 2017-18

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Are covered under workings=1.090 ha, waste disposal=0.624, occupied by building etc=0.068	Found to be in order	
9d	Scrutiny of Annual return on afforestation	Not given	Mine is not in operation during 2017-18	No valid approved document. Lessee has submitted draft Review of Mining Plan for approval and the same is under process.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not given	No valid approved document and Mine is not in operation during 2017-18	Lessee has submitted draft Review of Mining Plan for approval and same is under process.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Not furnished and mine is not in operation during 2017-18	No valid document, mine is not in operation during 2017-18	Lessee has submitted draft Review of Mining Plan for approval and same is under process.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	No valid approved document and mine is not in operation during 2017-18.		Lessee submitted draft Review of Mining for approval and same is under process.
9h	Scrutiny of Annual return on fixed assets	Details given	Rs 50600 Mine is not in operation for the year 2017-18.	No valid approved document. Lessee has submitted draft Review of Mining Plan for approval and same is under process.
9k	Scrutiny of Annual return on mining machineries	Details not given	No valid approved document/ proposals. Mine is not in operation for year 2017-18. Lessee has submitted draft Review of Mining Plan for approval and same is under process.	No valid approved document/ proposals. Mine is not in operation for year 2017-18. Lessee has submitted draft Review of Mining Plan for approval and same is under process.

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