

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

Review and updation of Mining Plan REPORT

Hyderabad regional office

Mine file No : AP/VSK/SPS-8/HYD

Mine code : 74APR19015

- (i) Name of the Inspecting : **M001**) **S K MUDULI**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Sri Satya Rao-GEOLOGIST,Dr.B.S.Ganaga Rao-QP
Official with
Designation
- (iv) Date of Inspection : 09/12/2019
- (v) Prev.inspection date : 18/01/2019

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PAPPUSETTIPALEM(7.204 HA)**
- (b) **Registration NO.** : **IBM/9302/2012**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : ANDHRA PRADESH
- District : VISAKHAPATNAM
- Village :
- Taluka :
- Post office :
- Pin Code :
- FAX No. :
- E-mail : ramanapalla@gmail.com
- Phone : 9866632269
- (f) Police Station : Golugonda
- (g) First opening date : 01/12/2009
- (h) Weekly day of rest : SUN
2. Address for : S/O SURYANARAYANA,KOTA VEEDHI,
correspondance VILL & MANDAL:CHOUDAVARAM,
DIST:VISAKHAPATNAM.
3. (a) Lease Number : APR3509
- (b) Lease area : 7.2
- (c) Period of lease : 20
- (d) Date of Expiry : 02/12/2029
4. Mineral worked : TOURMALINE Main

5. Name and Address of the

Lessee : B.SRINIVASA RAO
S/O SURYANARAYANA, KOTA
VEEDHI, CHODAVARAM,
VISAKHAPATNAM DIST.
VISAKHAPATNAM ANDHRA
PRADESH
Phone:9866632269
FAX :

Owner : B.SRINIVASA RAO
S/O SURYANARAYANA, KOTA
VEEDHI, CHODAVARAM,
VISAKHAPATNAM DIST.
VISAKHAPATNAM ANDHRA
PRADESH
Phone: 9866632269
FAX :

6. Date of approval of Mining : Fresh under rule 22 MCR1960 16/04/2008
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 exists for the year 2018-19.	No exploratory work was carried out during 2018-19.	Seven DTH holes have been proposed to be drilled in 2009-10 to 2012-13. Instead of exploration by means of DTH holes, the lessee as dug 17 nos. trial pits in 2019-20.
1b	Exploration over lease area for geological axis 1 or 2	No approved proposals exists for the year 2018-19	The exploration so far done by means of trial pits is confined to float area which is of G2 scale of exploration and covers over 2.85 Ha. In pegmatite body, no exploration has been undertaken for Semi Precious Stone.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No approved proposals exists for the year 2018-19	No exploration was carried during 2018-19.	During 2019-20 the exploration has been carried out under the supervision of Qualified person and appointed Geologist. The expenditure incurred is Rs.1,45,000/-.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No approved proposals exists for the year 2018-19	4.354 Ha. balance area was to be explored in G1/G2 level as on date of inspection.	
1e	Balance reserve as on 01/04/20	No approved proposals exists for the year 2018-19	78.87 kgs of Semi Precious Stone has been estimated in 122 category.	Reserves has been re-estimated as per MEMC Rules-2015. The RMP has been approved on 17/2/2020.

1f	General remarks of inspecting officers on geology, exploration etc	Mineralisation is partly Type-III and Type-IV of Minerals (Evidence of Mineral Contents) Rules, 2015. In float area the exploration by means of Trial pits is completed and falls in G2 category and where as in Type-III i.e. insitu Pegmatite, no exploration has been done.
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Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No approved proposals exists for the year 2018-19	No mining activity carried out in 2018-19.	The mining operations were suspended on 15.5.2013 on account of non submission of Returns and non submission of Scheme of Mining for the block period 2014-15 to 2018-19.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No approved proposals exists for the year 2018-19.	No mining activity carried out in 2018-19.	
2c	Stripping ratio or ore to OB ratio	No approved proposals exists for the year 2018-19.	No mining activity carried out in 2018-19.	
2d	Quantity of topsoil generation in m3	No approved proposals exists for the year 2018-19.	Nil in 2018-19	
2e	Quantity of overburden generation in m3	No approved proposals exists for the year 2018-19.	Nil in 2018-19	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Except Trial pits, no development has been done as the mine is under suspension w.e.f. 14.5.2013.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No valid proposals exists for the year 2018-19.	One	The mining operations have been suspended on 14.5.2013 on account of non submission of Scheme of Mining and Monthly returns/Annual returns. The last approved document was valid up to 2013-14.
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-	NA	
3f	Quantity of sub grade mineral generation.	-do-	Nil	
3g	Grade of sub grade mineral generation	-do-	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	-do-	Nil	Earlier manual seggregation had been done.

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-	-	
3m	Total area covered under excavation/pits	-do-	0.43 Ha	The degraded area so far in the ML area is 0.43 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-	0.545 Ha (Old Pit and Waste dump)	0.545 Ha. (Old pit and waste dump)
3p	Production of ROM mineral during the last five year period as applicable	No valid proposals exists for the plan period 2014-15 to 2018-19.	No propduction is done in the plan period.	
3q	General remarks of inspecting officers on method of mining etc.	No valid proposals exists for the plan period 2014-15 to 2018-19.		No mining activity except exploration by means of Trial pits is done for the period 2014-15 to 2018-19.

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 valid proposals exists for the year 2018-19.	Nil during 2018-19	
4b	Location of topsoil, OB and mineral reject dumps	-do-	No top soil and MR dumps exists in the ML area.	
4c	Number of dumps within lease area and outside of lease area	-do-	One	A waste dump over an extent of over 0.115 ha exists within the ML.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	-do-	Outside UPL	
4e	Number of active and alive dumps.	-do-	One	
4f	Number of dead dumps.	-do-	Nil	
4g	Number of dumps established.	-do-	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	-do-	None	
4i	Length of Retaining wall or garland drain all along dumps	-do-	None	
4j	Number of settling ponds	-do-	Nil	
4k	Specific comments of inspecting officer on waste dump management	There are no valid approved proposals for waste dump management exists.		No waste material is generated during the plan period as no mining is carried out.

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No valid proposals exists for the year 2018-19	Nil	Mineral is yet to be completely mined. Mine working areas have not yet been matured for back filling.

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-	-	-
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 ML is completely exhausted of mineral and matured for starting backfilling and reclamation.

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	Mining operation had been suspended by this office on 14.05.2013.
6b	Area available for rehabilitation (ha) .	No valid proposals exists for the year 2017-18	Nil	-
6c	afforestation done (ha).	-do-	Nil	-
6d	No. of saplings planted during the year	-do-	Nil	
6e	Cumulative no .of plants	-do-	Nil	-
6f	Any other method of rehabilitation	-do-	None	
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 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-	None	

6p	Compliance of environmental monitoring (core zone and buffer zone)	-do-	No environmental monitoring carried during 2018-19.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-do-		The mineral is yet to exhaust and at this stage the progressive closure operations does not arise.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No approved proposals exists for the year 2018-19.	No despatches are done during 2018-19.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	-do-	Nil	Earlier manual sorting of mineral was done.
7c	Different grade of mineral sorted out at mines.	-do-	Nil	
7d	Any beneficiation process at mines .	-do-	Beneficiation process does not warranted, except washing and manual sorting no other processing is required.	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			The mine is under non operation since 14.05.2013.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No approved proposals exists for the year 2018-19.	Nil during 2018-19	-

8b	Concurrent use or storage of topsoil	-do-	-do-	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	-do-	One dump of OB/waste exists	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	-do-	-	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	-do-	No land in the ML area is matured for restoration, reclamation and rehabilitation.	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-do-		Thorny bushes exists in the ML area. No additional plantation has been done.
8h	Water sprinkling on roads to control airborne dust	No approved proposals exists for the year 2018-19.	The mine is under non operation since May, 2013.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No approved proposals exists for improving aesthetic beauty for the year 2014-15 to 2018-19.		The ML area is spread with thorny bushes and shrubs and this adds greenary to the ML 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 return shall be submitted before the 10th of every month in respect of precesing month and annual return which shall be submitted before the 1st July each year for the proceding financial year.	Submitted the Annual Return for 2018-19.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	To be furnished.	No information is furnished. However, during the inspection, the lessee has appointed the Geologist.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	To be furnished.	Submitted as Nil	-
9d	Scrutiny of Annual return on afforestation	To be submitted	Submitted as Nil	-
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	To be furnished.	-	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	To be furnished.	-	-
9h	Scrutiny of Annual return on fixed assets	To be furnished.	-	-
9k	Scrutiny of Annual return on mining machineries	To be furnished.	-	-

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