

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

Review and updation of Mining Plan REPORT

Hyderabad regional office

Mine file No : AP/VZNR/MN-141/HYD

Mine code : 40APR20094

- (i) Name of the Inspecting : **RK13**) **A.V.Ramesh Kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri P R Misra, Qualified Person & Sri Siva Prasad, Mine
Official with
Designation
- (iv) Date of Inspection : 21/10/2018
- (v) Prev.inspection date : 06/04/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PUTIKAVALASA MINE(21.77 H**
- (b) **Registration NO.** : **IBM/20167/2015**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
- State : ANDHRA PRADESH
- District : VIZIANAGARAM
- Village : PUTIKAVALASA
- Taluka : SALURU
- Post office : SALURU
- Pin Code : 535591
- FAX No. :
- E-mail : svnmines0803@gmail.com
- Phone :
- (f) Police Station :
- (g) First opening date : 01/04/2015
- (h) Weekly day of rest : SUN
2. Address for : S.VENKATA NARAYANA REDDY
correspondance BALASUBBAIAH NAGAR, PAMURU VILLAGE& MANDAL
PRAKASAM DISTRICT-523108, A.P
3. (a) Lease Number :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
4. Mineral worked : MANGANESE ORE Main

5. Name and Address of the

Lessee : S.VENKATA NARANA REDDY
S/O SRI RAMULU REDDY,
BALASUBBAIH NAGAR, PARMURU
V&M PRAKASAM DISTRICT.
PRAKASAM (ONGOLE H.Q.)
ANDHRA PRADESH
Phone:9440374067, 9849000761
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	None	Seven Pits & Six Trenches have been made during the year 2017-18.	The Mine was issued order of suspension of mining operations on 5/10/2018
1b	Exploration over lease area for geological axis 1 or 2	Nil	0.69 ha is under G1 scale of exploration.	None
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Rs.65000/- occurred as expenditure.	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	21.08 ha	None
1e	Balance reserve as on 01/04/20	--	49337(111) 25500(333)	None
1f	General remarks of inspecting officers on geology, exploration etc	None	None	None

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N742-N878 E294-E340	Development carried out as proposed.	None
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	One bench in OB and two benches in ore.	Carried out development as proposed.	None
2c	Stripping ratio or ore to OB ratio	1:288	1:0.25	None
2d	Quantity of topsoil generation in m3	Nil	Nil	Nil
2e	Quantity of overburden generation in m3	15600 tonnes	800 tonnes	None

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Nil	Nil	Nil
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	It is proposed to carry out mining operations from One pit	It was noticed that Two pits were opened in tge lease.	None
3b	Quantity of ROM mineral production proposed	5400 tonnes	2727 tonnes	None
3c	Recovery of sailable/usable mineral from ROM production	--	None	None
3d	Quantity of mineral reject generation	--	40 tonnes	None
3e	Grade of mineral rejects generation and threshold value declared.	None	None	None
3f	Quantity of sub grade mineral generation.	270 tonnes	Nil	Nil
3g	Grade of sub grade mineral generation	None	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	A other than mechanised	A OTFM	None
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	Manual screening and sorting	None
3j	Provision of drilling and blasting in mineral benches	None	None	None

3k	Provision of mining machineries in mineral benches	Nil	Nil	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	None
3m	Total area covered under excavation/pits	3.68 ha	0.69 ha	None
3n	Ore to OB ratio for the pit/mine during the year.	1:2.88	1:0.25	None
3o	Total area put in use under different heads at the end of year	3.68 ha	0.34 ha	None
3p	Production of ROM mineral during the last five year period as applicable	2013-14-5400 tonnes 2014-15-5400 tonnes 2015-16-5400 tonnes 2016-17-5400 tonnes 2017-18-5400 tonnes	2013-14-Nil 2014-15-Nil 2015-16-Nil 2016-17-Nil 2017-18-2727 tonnes	Nil
3q	General remarks of inspecting officers on method of mining etc.	Nil	Nil	Nil

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	A seperate OB dump was proposed.	A seperate OB dump was noticed	None
4b	Location of topsoil, OB and mineral reject dumps	N982-N1174 E150-E266	There is slight deviation in the proposed dump position.	None

4c	Number of dumps within lease area and outside of lease area	None	None	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	None	None	None
4e	Number of active and alive dumps.	One	One active dump	None
4f	Number of dead dumps.	None	None	None
4g	Number of dumps established.	One	One	None
4h	Whether Retaining wall or garland drain all along dumps are there.	None	None	None
4i	Length of Retaining wall or garland drain all along dumps	None	None	None
4j	Number of settling ponds	None	None	None
4k	Specific comments of inspecting officer on waste dump management	None	None	None

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.	Nil	None	None
5b	Area under backfilling of mined out area	None	None	None
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	None	None

5d	Total area fully reclaimed and rehabilitated	None	None	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.	None	None	None

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 annual report not submitted by the lessee.	None
6b	Area available for rehabilitation (ha) .	None	None	None
6c	afforestation done (ha).	125	Nil	None
6d	No. of saplings planted during the year	125	Nil	Nil
6e	Cumulative no .of plants	--	200	Nil
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	None	None	None
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	None	None	None
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	None
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None	None	None
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	None	None	None
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	None	None	None
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	None	None	None
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	None	None	None
6p	Compliance of environmental monitoring (core zone and buffer zone)	None	None	None
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	None	None	None

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was proposed to produce 5400 tonnes during 2017-18	Actual reported production was 2727 tonnes	None
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual screening and sorting	manual screening and sorting was carried out	None
7c	Different grade of mineral sorted out at mines.	None	None	None
7d	Any beneficiation process at mines	None	None	None
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	None	None	none

Environment :

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	--	OB removed	None
8b	Concurrent use or storage of topsoil	Nil	Nil	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	One OB dump proposed	One OB dump noticed.	None
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	--	None	None

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None	None	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	None	None	None
8g	Survival rate	70%	40%	None
8h	Water sprinkling on roads to control airborne dust	None	None	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Nil	Nil	Nil

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	AR & MR submitted	Sri Chandramouli as Mining Engineer Sri Sudhakar As Geologist	None
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	--	Already given in above column	None
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	--	Under workings - 0.1 ha Waste disposal - 0.115 ha	None
9d	Scrutiny of Annual return on afforestation	--	Nil	Nil

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	--	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	--	2727 tonnes produced 86 tonnes in closing stock	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	--	Rs.2588/-	Nil
9h	Scrutiny of Annual return on fixed assets	--	No scrutitny of fixed assets carried out	None
9k	Scrutiny of Annual return on mining machineries	--	Nil	Nil

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 :**(A.V.Ramesh Kumar)**

Indian Bureau of Mines