

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

**MCDR inspection REPORT**

**Hyderabad regional office**

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

**Mine code :** 40APR20094

- (i) Name of the Inspecting : **M029** ) **MADHU SUDHAN YADAV M**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri. Sivaprasada Rao, Mine Manager & Sri.D.Sudhakar,  
Official with  
Designation
- (iv) Date of Inspection : 19/03/2020
- (v) Prev.inspection date :

**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 : **D.No.39-3-38/1, Phase-III, Masjid Junction,**  
**Murali Nagar(East), VISAKHAPATNAM-530007, 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 : MP review under 17(1) MCR 2016 28/11/2018

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2018-19 - 6 Nos. (Core) & 6 DTH 2019-20 - 15 DTH	Nil	
1b	Exploration over lease area for geological axis 1 or 2	2018-19 - 6 Nos. (Core) & 6 DTH 2019-20 - 15 DTH	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	whole area is potentially mineralised	Balance 21.72 Ha is to be explored in G1 & G2 level.	
1e	Balance reserve as on 01/04/20	111 - 105588 MT 221 - 8138.07MT	111 - 105588 MT 221 - 8138.07 MT	
1f	General remarks of inspecting officers on geology, exploration etc			No exploration work carried out in the year 2018-19 & 2019-20. Violation issued as per rule.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N356 to N250 & E650 to E750	Development carried out as per proposal.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed	Separate benches formed as per proposal	
2c	Stripping ratio or ore to OB ratio	1:0.6	1:0.5	
2d	Quantity of topsoil generation in m3	Nil	Nil	

2e	Quantity of overburden generation in m3	4167 cu.m	2500 cu.m
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two	Two	
3b	Quantity of ROM mineral production proposed	2018-19 - 4470 cu.m 2019-20 - 8688 cu.m	2018-19 - 5851 MT 2019-20 - 5633 MT (upto Feb-2020)	
3c	Recovery of sailable/usable mineral from ROM production	None	None	
3d	Quantity of mineral reject generation	2018-19 - 496 MT 2019-20 - 965 MT	2018-19 - 60 MT 2019-20 - Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Threshold value-10% of Mn content	Mineral reject of 60 Te (9% grade) generated during the year 2018-19.	
3f	Quantity of sub grade mineral generation.	None	None	
3g	Grade of sub grade mineral generation	None	None	
3h	Manual / Mechanised method adopted for segregating from ROM	None	None	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	

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3j	Provision of drilling and blasting in mineral benches	No Blasting	Semi mechanised mining without drilling and blasting	
3k	Provision of mining machineries in mineral benches	Semi mechanised	Semi mechanised	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3m height & Width proposed	Work done as per proposal	
3m	Total area covered under excavation/pits	0.233 Ha	0.233 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.74	1:0.6	
3o	Total area put in use under different heads at the end of year	0.453 Ha	0.45 Ha	
3p	Production of ROM mineral during the last five year period as applicable	2015- 16 - Nil 2016-17 - Nil 2017-18 - 2227 MT 2018-19 - 4470 cu.m 2019-20 - 8688 cu.m (upto Feb'2020)	2015- 16 - Nil 2016-17 - Nil 2017-18 - 2227 MT 2018-19 - 5851 MT 2019-20 - 5633 MT(upto Feb'2020)	
3q	General remarks of inspecting officers on method of mining etc.			The Mining operations are being carried out as per the proposals made in the approved document.

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed	Carried out as per proposal	

4b	Location of topsoil, OB and mineral reject dumps	Topsoil proposed in the southern side of the pit	Top soil not generated	
4c	Number of dumps within lease area and outside of lease area	One	None	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dump proposed in the southern side of the pit	None	
4e	Number of active and alive dumps.	None	None	
4f	Number of dead dumps.	None	None	
4g	Number of dumps established.	None	None	
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed	Nil	Still dump not developed
4i	Length of Retaining wall or garland drain all along dumps	Garland Drain - 255mx0.5x1m Retaining wall - 90mx0.5mx1m	Nil	Dump not developed
4j	Number of settling ponds	One	None	
4k	Specific comments of inspecting officer on waste dump management			Retaining wall and garland drain not developed due to no development of dump.

#### 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 proposal	None	
5b	Area under backfilling of mined out area	No proposal	Nil	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Nil
5d	Total area fully reclaimed and rehabilitated	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.		

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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 as per rule	Not submitted for previous year 2018-19.	
6b	Area available for rehabilitation (ha) .	None	None	
6c	afforestation done (ha).	2018-19 - 0.12Ha 2019-20 - 0.12Ha	Afforestation carried out as per proposal.	
6d	No. of saplings planted during the year	2018-19 - 200 Nos. 2019-20 - 200 Nos.	2018-19 - 200 Nos. 2019-20 - 160 Nos.	
6e	Cumulative no .of plants	400 Nos.	360 Nos.	
6f	Any other method of rehabilitation	None	None	
6g	Cost incurred on watch and care during the year	None	None	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	None	None	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None	None
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	None	None
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None	None
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	None	None
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	None	None
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	None	None
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	None	None
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	Carried out as per proposal.



6q General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	2018-19 - 4470 cu.m 2019-20 - 8688cu.m	2018-19 - 5851 MT 2019-20 - 5633 MT (upto Feb-2020)	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Manual sizing, sorting and screening.	Managanese ore of grade 25% to below 35% Mn grade wise sorting-3951 tonnes Despatch- 4037 tonnes Managanese ore of grade below 25% grade wise sorting-1410tonnes Despatch- 1360 tonnes	
7d	Any beneficiation process at mines	No proposal	None	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Manual sorting of grade wise manganese is carried out.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Uilsation for plantation purpose	Uilsation for plantation purpose.	

8b	Concurrent use or storage of topsoil	Proposed for plantation purpose	Utilised for plantation purpose	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	Dump still not developed.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposed	Overburden generated is utilised for creating ramps.	
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)	Proposed	Carried out as per proposal.	
8g	Survival rate	No proposal	100%	
8h	Water sprinkling on roads to control airborne dust	No proposal	Water sprinkling carried out.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Asthetic beauty in and around the mine is good.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Submitting Monthly and annual returns in time.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager.Mining Engineer,Geologist are appointed.	Mine Manager & Mining Engineer - Sri.Shivaprasad Rao. Geologist - Sri.Sudakar.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C)Workings- 0.333 Ha Used for waste disposal - 0.053 Ha Occupied by plant,buildings, residential, welfare buildings & roads - 0.27 Ha	O/C workings and mine roads covered as proposed.
9d	Scrutiny of Annual return on afforestation		Carried out as per submission.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		Carried out as per submission.
9f	Scrutiny of Annual return on ROM stock and/or graded ore		Carried out as per submission.
9k	Scrutiny of Annual return on mining machineries		Semi mechanised working without drilling andblasting.

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**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
MCDR17	Rule 11(1)	12/05/2020			

**Date :**

**(MADHU SUDHAN YADAV M)**

Indian Bureau of Mines