

**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-140/HYD

Mine code : 40APR20093

- (i) Name of the Inspecting : **DP09**) **D.P.Ravi kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : **SHRI A.SATYANAND PRASAD, AGENT**
Official with
Designation
- (iv) Date of Inspection : 25/01/2019
- (v) Prev.inspection date : 05/04/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PEDDANADIPALLY(8.190 HA)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : **ANDHRA PRADESH**
District : **VIZIANAGARAM**
Village : **PEDDANADIPALLY**
Taluka : **CHIPURUPALLI**
Post office : **CHIPURUPALLI**
Pin Code : **535128**
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date : 19/04/2013
- (h) Weekly day of rest : SUN
2. Address for : **M/S GLOBLE ASSOCIATES, KARROW BUILDING,**
correspondance **POST: BARBIL,**
DIST:KEONJHAR, ODISHA STATE.
3. (a) Lease Number : **APR3350**
- (b) Lease area : **8.19**
- (c) Period of lease : **20**
- (d) Date of Expiry : **03/04/2033**
4. Mineral worked : **MANGANESE ORE** Main

5. Name and Address of the

Lessee : M/SGLOBLE ASSOCIATES
KARROW BUILDING,
POST:BARBIL
DIST:KEONJHAR,ODISHA.758035
KEONJHAR ORISSA
Phone:
FAX :

Owner : M/SGLOBLE ASSOCIATES
KARROW BUILDING, PO:BARBIL
DIST:KEONJHAR.758035.
KEONJHAR ORISSA
Phone:
FAX :

6. Date of approval of Mining Plan/Scheme of Mining : Modif.of approved Mining Plan 06/02/2015

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	05 CBH during the year 2014-15	05 Nos. CBH drilled.	
1b	Exploration over lease area for geological axis 1 or 2	5 Nos. of CBH proposed during 2014-15	1.50 ha. additional 5 nos CBH drilled during 2015-16	
1c	Exploration Agencies and Expenditure in lakh rupees during the year		Global Associates, around Rs. 300000/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2		6.69	1.50 ha explored in G1 & G2 level.
1e	Balance reserve as on 01/04/20		111 and 122 category 20977 T	
1f	General remarks of inspecting officers on geology, exploration etc			6.69 ha., has to be explored.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	South Eastern side of west block.	South Eastern side of west block.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposals	3 benches in OB and two benches in ore	
2c	Stripping ratio or ore to OB ratio	1:8.31	1:4.4	
2d	Quantity of topsoil generation in m3	1935 cu.m	Nil	
2e	Quantity of overburden generation in m3	OB + IC WASTE=13673 T	Nil	Due to less production.

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

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	5757 T	1430 T	
3c	Recovery of sailable/usable mineral from ROM production	60%	59%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Grade:15%Mn Threshold value:10% Mn	Grade:15%Mn Threshold value:10% Mn	
3f	Quantity of sub grade mineral generation.	Not specified	Nil	
3g	Grade of sub grade mineral generation	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Not carried out	No proposal and not carried out
3j	Provision of drilling and blasting in mineral benches	Yes	Yes, practiced as proposed	

3k	Provision of mining machineries in mineral benches	Excavators, Tippers	L&T PC 200-Excavator=1 number, tippers=02	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 6m bench in two slices of 3m each	Top bench height =4 m, all other benches are within 3m	
3m	Total area covered under excavation/pits	0.43 ha	0.545 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:8.31	1:4.4	
3o	Total area put in use under different heads at the end of year	1.44 ha.	1.1242 ha.	
3p	Production of ROM mineral during the last five year period as applicable	2013-14=639 T 2014-15=2448T 2015-16=10194 2016-17=11292 2017-18=9561	2013-14=250T 2014-15=nil 2015-16=1630T 2016-17=1194T 2017-18=1430T	
3q	General remarks of inspecting officers on method of mining etc.			Mining operations are carried out as per the approved proposals under A OTFM category

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes.	Yes.	
4b	Location of topsoil, OB and mineral reject dumps	western side of the lease area	westrn side of the lease area	
4c	Number of dumps within lease area and outside of lease area	One waste dump within the lease area	One waste dump within the lease area	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Beyond the UPL	Beyond the UPL	
4e	Number of active and alive dumps.	One active dump	One active dump	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes, constructed retaining wall.	
4i	Length of Retaining wall or garland drain all along dumps	Not specified	Dump1-35M(Live)	
4j	Number of settling ponds	One	One	
4k	Specific comments of inspecting officer on waste dump management			Waste dump is maintaining as per the proposal.

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	Nil	
5b	Area under backfilling of mined out area	No	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No	Nil	
5d	Total area fully reclaimed and rehabilitated	No	Nil	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	No part of the lease area is matured for back filling and reclamation.
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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).	Yes	Yes	
6b	Area available for rehabilitation (ha) .	No	Nil	No part of the lease area is matured for back filling, reclamation and rehabilitation.
6c	afforestation done (ha).	50 nos., 0.05 ha	Nil	
6d	No. of saplings planted during the year	50 nos.	Nil	
6e	Cumulative no .of plants	200 nos	80 nos.	
6f	Any other method of rehabilitation	Nil	NA	No part of the lease area is matured.
6g	Cost incurred on watch and care during the year	No proposals	NA	Nil
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	Nil	Nil	

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Nil	Nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Not applicable	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal	Not applicable	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposals	Not applicable	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposals	Not applicable	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Nil	Not applicable	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Periodical monitoring of Air, water and noise is to be carried out	Periodical monitoring of Air, water and noise were carried out	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Progressive closure operations were carried out as per the proposals.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Manual sorting within the lease area.	Manual sorting within the lease area.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	<22% Mn & 22% to Below 35% Mn.	<22% Mn & 22% to Below 35% Mn.	
7d	Any beneficiation process at mines	Hand sorting and manual screening	Hand sorting and manual screening	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Manual hand sorting and manual screening was practiced to improve the grade.

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	1935 m3	Nil	
8b	Concurrent use or storage of topsoil	Not specified	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	westrn side of the lease area	Yes, westernside of the lease area.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Stacking seperatly within the lease area.	---	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals	Not applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 nos. of saplings	Nil	
8g	Survival rate	60%	Nil	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The Mining lease area is surrounded by agricultural lands, farms and looks greenary

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly returns submitted upto January 2019 and Annual Return submitted for year 2017-18	Monthly and Annual retunes are being submiitted regularly.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mines mangaer =Shri K.Krishna Rao	Mine Manager =Shri K.Krishna Rao	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details given	Covered under current workings =0.42 ha., used for waste disposal=0.420 ha., occupied by road, buildings etc=0.220ha.	

9d	Scrutiny of Annual return on afforestation	Nil	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Mineral Reject=0	Mineral Reject=0
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Details given	317 Tonnes (ROM) 3332 Tonnes=Below 25% Mn 16 Tonnes= Below 25% to 35% mn
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Details given for Ex mine price	Ex mine price=Rs.2432/-
9h	Scrutiny of Annual return on fixed assets	Zero	cost of land not included in the fixed assets.
9k	Scrutiny of Annual return on mining machineries	Details given	Shovel(Mechanical) = 01 Tippers = 02

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