

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

MCDR INSPECTION REPORT

Hyderabad regional office

Mine file No : AP/VZNR/MN-140/HYD

Mine code : 40APR20093

- (i) Name of the Inspecting : **C\$10**) **Ch.Suseela**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : A Satyanand Prasad Agent
Official with
Designation
- (iv) Date of Inspection : 23/01/2017
- (v) Prev.inspection date : 15/12/2015

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 :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
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 : Modif.of approved Mining Plan 06/02/2015
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	5 CBH during the year 2014-15	None	
1b	Exploration over lease area for geological axis 1 or 2	NIL	9 CBH	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Global Associates 5 CBH Rs.3,00,000/-	Global Associates Rs.10,00,000/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	6.0 ha	6.0 ha	
1e	Balance reserve as on 01/04/20	19,265 MT	19,265 MT	
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	About 6 ha area has to be explored for establishment of Total available reserves.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	South West side	South West side	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	One in OB and one in Ore	
2c	Stripping ratio or ore to OB ratio	1:1.36	1:4.4	
2d	Quantity of topsoil generation in m3	624 m3	120 m3	
2e	Quantity of overburden generation in m3	3794 cu.m	3856 cu.m	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development is being carried out as per the approved proposals.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	10194 MT	1630 MT	
3c	Recovery of sailable/usable mineral from ROM production	6116 MT	832 MT	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	< 10% Mn	10-15% Mn	
3f	Quantity of sub grade mineral generation.	Not Specified	160 MT	
3g	Grade of sub grade mineral generation	10-15 % Mn	10-15% Mn	
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.	NIL	NIL	
3j	Provision of drilling and blasting in mineral benches	No	No	

3k	Provision of mining machineries in mineral benches	1 L &T PC200 & 2 Tippers	1 L &T PC200 & 2 Tippers	
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	Yes, 6m Bench in two slices of 3m each	
3m	Total area covered under excavation/pits	0.29 ha	0.29 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:1.36	1:4.4	
3o	Total area put in use under different heads at the end of year	1.00 ha	0.95 ha	
3p	Production of ROM mineral during the last five year period as applicable	2013-14 : 639 MT, 2014-15 : 2448 MT, 2015-16 : 10194 MT	2013-14 : 250 MT, 2014-15 : NIL, 2015-16 : 1630 MT	Mining operations commenced w.e.f 19.4.2013
3q	General remarks of inspecting officers on method of mining etc.	_____	_____	Mining operations are being 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	Western 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 ultimate pit limit	Beyond the ultimate pit limit	
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	250 x 2 x1 m	200 x 1.5 x 1 m	
4j	Number of settling ponds	One	One	
4k	Specific comments of inspecting officer on waste dump management	_____	_____	Waste dump is maintaining as per the approved proposals.

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	NIL	Not matured for back filling.
5b	Area under backfilling of mined out area	NIL	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL	NIL	
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	

5e	General remarks of inspecting officers on backfilling and reclamation etc.			Pit not matured for back filling.
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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	No	Violation of Rule 23 E (2) has been pointed out to the party.
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	NIL	
6g	Cost incurred on watch and care during the year	NIL	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 on backfilled area	NIL	NIL	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NIL	NIL	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	50 Plants, 0.05 ha	146 Plants, 0.15 ha	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NIL	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not Applicable	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 is being carried out.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	_____	_____	Progressive closure operations are being 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 lease area.	Manual sorting within 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.	16.60% to 18.80% of Mn	14 to 26% Mn	
7d	Any beneficiation process at mines	Screening	Screening	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	_____	_____	Manual sorting and screening is being practiced to improve the grade.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	624 Cu.m	120 Cu.m topsoil has been stacked inside the lease area.	
8b	Concurrent use or storage of topsoil	Not specified	Stacked separately inside the lease area	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes, waste dump on western side of the lease area	Yes, waste dump on western side of the lease area	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Applicable	Not Applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 plants have been planted.	146 plants have been planted.	
8g	Survival rate	60%	60%	
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 ML area is surrounded by agricultural lands 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 up to date. Annual Return for the year 2015-16 has also been submitted.	Monthly returns submitted up to date. Annual Return for the year 2015-16 has also been submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mine Manager- Sri. K.Krishna Rao, Geologist- Sri. M. Venugopal	Mine Manager- Sri. K.Krishna Rao, Geologist- Sri. M. Venugopal	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under pits-- 8.190 ha, Reclaimed area-0, Area covered under dumps--0	Area covered under pits-- 0.29 ha, Reclaimed area-0, Area covered under dumps--0.40 ha	Violation of Rule 45(7) has been pointed out to the lessee.

9d	Scrutiny of Annual return on afforestation	Afforestation is furnished as 0	About 146 plants have been planted
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	1630 tonnes	1630 tonnes
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value- Rs.0, Ex. Mine price- Rs.1706/-, Cost of production- Rs.3870/-	Sale Value- Rs.0, Ex. Mine price-Rs.1706/-, Cost of production- Rs.3870/-
9h	Scrutiny of Annual return on fixed assets	Fixed assets- 0	Fixed assets- 0
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 couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Rule 23E(2)	02/03/2017				
Rule 45(7)	02/03/2017				

Date :**(Ch.Suseela)**

Indian Bureau of Mines