

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT 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 : 25) SHRI IBRAHIM SARIF
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sri Santosh Kumar, Lessee Representative
Official with
Designation
- (iv) Date of Inspection : 10-OCT-21
- (v) Prev.inspection date : 26-SEP-20

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : PEDDANADIPALLY(8.190 HA)
- (b) **Registration NO.** : IBM/81/2011
- (c) **Category** : A Mechanised
- (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 : globalassociatebbl@gmail.co
- Phone : 06767275373, 06767275374
- (f) **Police Station** :
- (g) **First opening date** : 19-APR-13
- (h) **Weekly day of rest** : SUN
2. **Address for** : M/S GLOBAL ASSOCIATES, HOTEL KARROW BUILDING,
correspondance POST: BARBIL-758035
DIST:KEONJHAR, ODISHA STATE.
3. (a) **Lease Number** : APR3350
- (b) **Lease area** : 8.19
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 03-APR-33
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	:	Fresh under rule 22 MCR1960	01-OCT-12
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	06-FEB-15
	:	MP review under 17(1) MCR 2016	08-MAR-19

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	10 CBH each during the years 2019-20 and 2020-21	No exploration carried out during the year	Violation was pointed out earlier followed by Show cause Notice. Reply is awaited
1b	Exploration over lease area for geological axis 1 or 2	Entire lease area to be explored in G1 scale	No exploration done during the year 2020-21	So far 1.22 Ha area is explored in G2 scale.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	F.Y 2020-21 : No proposal	Nil during the year	Lessee has incurred expenditure towards exploration is about Rs.4,00,000.00 so far
1d	Balance area to be explored to bring Geological axis in 1 or 2	Proposal Entire lease area to be explored in G1 scale	Not done	1.22 ha. area explored in G2 level so far.
1e	Balance reserve as on 01/04/20	Mineable Reserves : 95,206 MT 2018-19 = 5000 Tonnes 2019-20 = 23118 Tonnes 2020-21 = 21213 Tonnes Balance Reserves : 45875 Tonnes	Mineable Reserves : 95,206 MT Depletion of Reserves : 2018-19 = 2300 Tonnes 2019-20 = 4984 Tonnes 2020-21 = 3058 Tonnes Balance Reserves : 84864 Tonnes	As per Earlier approved Mining Plan as on 08.03.2019

1f	General remarks of inspecting officers on geology, exploration etc	Manganese occurrence in the lease as discontinuous band/ lenses in platy Manganeferrous felspathic quartzite. The Strike direction of the ore zone is in SE-NW with 70-80 degree dipping towards South-West. The ore zone extends over 150 meters length with varying in width from 10 meters to 15 meters. 1.22 Ha lease area has been exploraed so far, balance area needs to be explored as per approved exploration proposals.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In between Sections B-B', C-C' & D-D' on side of west block.	Mining operations are being carrried out within area as per approved proposal on South Eastern side of west block.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top Soil, OB, Mineral benches to be maintained	3 benches in OB and two benches in ore are maintained.	
2c	Stripping ratio or ore to OB ratio	1:1.0	Nil	
2d	Quantity of topsoil generation in m3	438 cu.m	Nil during the year	

2e Quantity of OB and IC Nil during the year
overburden Waste is 7094
generation in m3 cum

2f General remarks of inspecting officers on development of pit w.r.t. type of deposit etc
Development is not being carried out due to issue of surface right. Mining operations are being carried out by maintaining bench height of 3 meters and width more than height.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	One pit	
3b	Quantity of ROM mineral production proposed	FY.2020-21 : 21213.4 Tonnes	FY.2020-21 : 3058 MT	Production was less due to Covid pandemic and issue of acquiring Surface right of land.
3c	Recovery of sailable/usable mineral from ROM production	FY.2020-21 : 60% of ROM ore	FY.2020-21 : 100% recovery of salable ore from ROM is reported	Records were not maintained in the field. In this regard violation was pointed out for submission of records
3d	Quantity of mineral reject generation	FY.2020-21 : No proposal of grnrtstion or minrts	FY.2020-21 : Nil	
3e	Grade of mineral rejects generation and threshold value declared.	FY.2020-21 : No proposal of generation of Mineral reject, hence not applicable	-	
3f	Quantity of sub grade mineral generation.	FY.2020-21 : No proposal of generation of Sub grade ore,	Nil during the year.	

3h	Manual / Mechanised method adopted for segregating from ROM	Manual method to be adopted for segregation	Yes Manual method is adopted for segregation of Ore.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	FY.2020-21 : No such proposal of beneficiation study is made in the approved document	Not done during the year
3j	Provision of drilling and blasting in mineral benches	Jackhammer drill is proposed to be used for Drilling and Blasting is proposed to be carried out by using ANFO Burden- 2.0 meters, Spacing - 2.5 meters, Depth of bore hole- 3.0 meters	Yes, .Jack hammer drilling machine is being used and blasting is by ANFO based explosives as per approved proposal
3k	Provision of mining machineries in mineral benches	Mining operation are proposed to be carried out by deploying Excavators of 0.9 cum capacity and Tippers of 3 cum capacity	Mining operations are being carried out by deploying Excavators of 0.9 cum capacity and Tippers of 3 cum capacity
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, boom length of 0.9 cum capacity Excavator is suitable to maintain bench height of 3.0 meters.	Yes Suitable as proposed
3m	Total area covered under excavation/pits	0.842 ha to be put to use up to the plan period up to F.Y 2022-23.	About 0.545 ha are is utilised under pit.

3n	Ore to OB ratio for the pit/mine during the year.	1: 1.0	Nil	
3o	Total area put in use under different heads at the end of year	3.5877ha to be put to use up to the plan period up to F.Y 2022-23.	About 2.19 ha.	
3p	Production of ROM mineral during the last five year period as applicable	2016-17 = 11292 Tonnes 2017-18 = 9561 Tonnes 2018-19 = 5000 Tonnes 2019-20 = 23118 Tonnes 2020-21 = 21213 Tonnes	2016-17 = 1194 Tonnes 2017-18 = 1430 Tonnes 2018-19 = 2300 Tonnes 2019-20 = 4984 Tonnes 2020-21 = 3058 Tonnes	
3q	General remarks of inspecting officers on method of mining etc.			Mining operations are carried out by deploying Excavator of 0.9 cum capacity along with 3.0 cum Tippers with conventional Drilling using Jack hammer and Blasting using ANFO based explosives

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	F.Y 2020-21 :Yes, proposal of maintaing seperate dumps of top soil and waste is proposed	No Waste and Top soil is generated during the year	Only waste dump is maintaind. The top soil generated earlier was used for plantation purpose to develop green belt.

4b	Location of topsoil, OB and mineral reject dumps	OB dump : Northern side of the lease area.	OB dump is located on Northern side of the lease area. No Top soil and Mineral reject dumps are observed in the lease as there is no generation of Mineral reject is reported.	
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.	No proposal	Nil	
4g	Number of dumps established.	No proposal	Not applicable	
4h	Whether Retaining wall or garland drain all along dumps are there.	F. Y 2020-21 : No proposal of construction of Retaining Wall	Not constructed during the year	
4i	Length of Retaining wall or garland drain all along dumps	F.Y 2020-21 : No proposal	Not applicable	
4j	Number of settling ponds	F.Y 2020-21 : No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management			Protective measures like Retaining wall and garland drain is maintained along the Waste Dump and is active dump.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	F.Y 2020-21 : No proposal of full extraction of mineral	F.Y 2020-21 : Nil	
5b	Area under backfilling of mined out area	F.Y 2020-21 : No proposal of backfilling	Nil	No area is matured for backfilling
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	F.Y 2020-21 : No proposal	Not applicable	
5d	Total area fully reclaimed and rehabilitated	No proposal of Reclamation and rehabilitation as no area is matured for backfilling	Not applicable	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No area is matured for backfilling and reclamation as ore is not yet exhausted.

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).	F.Y.2020-21 : Annual report on PMCP to be submitted	Yes submitted	
6b	Area available for rehabilitation (ha) .	No area is proposed for rehabilitation	Not applicable	No part of the lease area is matured for back filling, reclamation and rehabilitation.

6c	afforestation done (ha).	500 nos., 0.408 ha.	310 nos., 0.028 ha.	Most of the safety zone area is planted, it is stated that after acquiring the land balance area will be planted.
6d	No. of saplings planted during the year	500 nos.	310 nos.	-do-
6f	Any other method of rehabilitation	No proposals	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.			Periodic monitoring is being carried out and plantation is being done to improve aesthetic beauty

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM ore after manual sorting and sizing to be dispatched. Grade wise manual sorting and sizing is to be carried out within the lease area.	Manual sorting within the lease area is being carried out.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual is proposed	Manual method adopted	

7c	Different grade of mineral sorted out at mines.	The following grades are to be sorted by manual mines (i) Below 25% Mn &	The following grades are being sorted by manual mines (i) Below 25% Mn & (ii) above 25% and below 35% Mn.	
7d	Any beneficiation process at mines .	Hand sorting and manual screening is proposed.	Hand sorting and manual screening is being practised.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Manual hand sorting and manual screening is practised to improve the grade.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes 438 m3 of top soil to be removed and utilise for plantation	No top soil generated during the year	Top soil generated earlier is being utilised for plantation
8b	Concurrent use or storage of topsoil	F.Y 2020-21 : Top soil generated to be utilised for plantation	No top soil generated during the year	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes seperate dump for waste rock is proposed to be maintained	Only waste dump is maintained as there is no generation of Mineral reject during the year .	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	F.Y. 2020-21 :No proposal	Not applicable	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	F.Y 2020-21 : No proposals	Not applicable	No area is matured for reclamation and rehabilitation
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	F.Y. 2020-21 : 500 nos. of saplings to be planted	310 saplings planted	
8g	Survival rate	Not proposed in approved document	About 60%	
8h	Water sprinkling on roads to control airborne dust	Yes, water sprinkling arrangements to be made to suppress the air borne dust generated due to mining activities	Yes water sprinkling arrangement is there	
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. Plantation is being carried out to improve aesthetic beauty

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Monthly returns submitted upto September 2021 and Annual Return for year 2020-21 to be submitted	Monthly returns upto September 2021 and Annual Return for year 2020-21 had been submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mines Manager = Shri K. Malleshwar Rao, Mining Engineer = S.K.Mishra.	No Manager, Mining Engineer, Geologist are employed	Violation was pointed out earlier followed by Show cause notice
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current workings = 0.42 ha., used for waste disposal = 0.420 ha., occupied by road, buildings etc. = 0.220 ha.	Covered under current workings = 0.42 ha., used for waste disposal = 0.420 ha., occupied by road, buildings etc. = 0.220 ha.	
9d	Scrutiny of Annual return on afforestation	310 sapplings planted	310 sapplings found planted during inspection	
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	2444 tonnes (ROM ore), 1302 tonnes = Below 25% Mn, 650 tonnes = above 25% Below 35% Mn.	Could not be verified in the field as registers were not maintained	Violation was pointed for submission of registers
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Below 25% Mn, Rs. 2417 above 25% Below 35% Mn Rs.4700.	As reported by Lessee	The same could not be verified as sale invoices and registers were not maintained

9h	Scrutiny of Annual return on fixed assets	Nil	Nil
9k	Scrutiny of Annual return on mining machineries	Shovel (Mechanical) = 01n1.0 m3 Tippers = 02 - 10T	Shovel (Mechanical) = 01n1.0 m3 Tippers = 02 - 10T

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 :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines