

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

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/VZNR/Mn-14/Hyd

Mine code : 40APR20025

- (i) Name of the Inspecting : **C\$10**) **Ch.Suseela**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Dr.B.S.Ganga Rao, Geologist
Official with
Designation
- (iv) Date of Inspection : 23/11/2017
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PENDAMADIPALLI**
- (b) **Registration NO.** :
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : **ANDHRA PRADESH**
- District : **VIZIANAGARAM**
- Village : **PENDAMADIPALLI**
- Taluka : **CHIPURUPALLI**
- Post office : **P.K.PALAVALLASA**
- Pin Code :
- FAX No. :
- E-mail :
- Phone :
- (f) **Police Station** :
- (g) **First opening date** : 01/02/2017
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : P.B.Kacholia, Yashoda old Radhakisan Plot,
Behind Carmel School, Akola, Maharastra State
3. (a) **Lease Number** : APR0260
- (b) **Lease area** : 13.87
- (c) **Period of lease** : 30
- (d) **Date of Expiry** : 28/03/2023
4. **Mineral worked** : **QUARTZ** Associated
MANGANESE ORE Main

5. Name and Address of the

Lessee : P.B.KACHOLIA LEGAL HEIR OF B.G.KACHOLIA
YASODA OLD RADHAKISAN PLOT
BEHIND CARMEL SCHOOL AKOLA
AKOLA MAHARASHTRA
Phone:07242410813
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 | 6 Core Bore Holes and 4 DTH | NIL | Violation of Rule 11(1) issued on 12.12.2017 |
| 1b | Exploration over lease area for geological axis 1 or 2 | 6 DTH | NIL | Violation of Rule 11(1) issued on 12.12.2017 |
| 1c | Exploration Agencies and Expenditure in lakh rupees during the year | RNG Exploration Services Rs. 8.5 lakhs | NIL | |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | _____ | 7.58 HA | |
| 1e | Balance reserve as on 01/04/20 | 66407 TONNES(122) | 66407 TONNES (122) | |
| 1f | General remarks of inspecting officers on geology, exploration etc | _____ | _____ | Exploration as proposed in the approved Mining Plan has not been carried out as the mining operations commenced on 8.2.2017. Hence Violation of Rule 11(1) was pointed out to the lessee. |

Development :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|--|--|-------------|--|
| 2a | Location of development w.r.t.lease area | From East to West along the existing old pit | NIL | Development work is under progress as on date of inspection. |
| 2b | Separate benches in topsoil, overburden and minerals (Rule 15) | Yes | _____ | Bench formation is under progress |
| 2c | Stripping ratio or ore to OB ratio | 1:514 | NIL | |

| | | | | |
|----|---|------------|-------|---|
| 2d | Quantity of topsoil generation in m3 | NIL | NIL | During this plan period mining is proposed in the existing pit, hence no top soil is generated. Mining operations have been commenced from May, 2017. |
| 2e | Quantity of overburden generation in m3 | 51451 Cu.m | NIL | Mining operations have been commenced since May, 2017 |
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | _____ | _____ | Mining operations have been commenced since May, 2017 |

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 | 11389 tonnes | NIL | |
| 3c | Recovery of sailable/usable mineral from ROM production | 62% | NIL | |
| 3d | Quantity of mineral reject generation | NIL | NIL | |
| 3e | Grade of mineral rejects generation and threshold value declared. | N. A | N.A | |
| 3f | Quantity of sub grade mineral generation. | NIL | NIL | |
| 3g | Grade of sub grade mineral generation | N.A | N.A | |

| | | | | |
|----|--|--|-------------------------------|---|
| 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 | NIL | NIL | |
| 3k | Provision of mining machineries in mineral benches | Yes, Excavator-1 Tippers-4 | NIL | |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Yes, 3 m ht | NIL | |
| 3m | Total area covered under excavation/pits | 0.62 ha | 0.5 ha | |
| 3n | Ore to OB ratio for the pit/mine during the year. | 1:5 | NIL | |
| 3o | Total area put in use under different heads at the end of year | 1.58 ha | 1.39 ha | |
| 3p | Production of ROM mineral during the last five year period as applicable | 2015-16--14227 tonnes, 2016- 17- 11389 tonnes | 2015-16--NIL, 2016-17- NIL | |
| 3q | General remarks of inspecting officers on method of mining etc. | _____ | _____ | Mining operations have been commenced from May 2017. |

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 | Mining operations have been commenced since May, 2017. Development work is under progress. |
| 4b | Location of topsoil, OB and mineral reject dumps | Northern side | Northern side | |
| 4c | Number of dumps within lease area and outside of lease area | One dump | One dump | |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | Beyond UPL | Beyond 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. | Proposed first year of the plan period with a dimension of 282x 0.50x 0.50m | Construction of Retaining wall is under progress. | |
| 4i | Length of Retaining wall or garland drain all along dumps | Garland drain of 282 x 0.50 x 0.50 m | Garland drain of 30 m is under construction | |
| 4j | Number of settling ponds | NIL | NIL | |
| 4k | Specific comments of inspecting officer on waste dump management | _____ | _____ | |

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 | |

| | | | | |
|----|---|-------|-------|---|
| 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 and reclamation. |

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). | Not Applicable | Not Applicable | |
| 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 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 | NIL | NIL |
| 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 | NIL | NIL |
| 6p | Compliance of environmental monitoring (core zone and buffer zone) | Monitoring of environmental parameters is proposed | Not carried out since the mining operations have been commenced from May, 2017 |

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

Mineral Conservation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|--------------------|--------------------|---------|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | Grade wise sorting | Grade wise sorting | |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical. | Manual | Manual | |
| 7c | Different grade of mineral sorted out at mines. | 18.6% to 32.1% Mn | 26 to 30% Mn | |
| 7d | Any beneficiation process at mines | NIL | NIL | |
| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues | _____ | _____ | _____ |

Environment:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|----------------|----------------|---------|
| 8a | Separate removal and utilization of topsoil (Rule 32) | NIL | NIL | |
| 8b | Concurrent use or storage of topsoil | Not Applicable | Not Applicable | |

| | | | |
|----|---|----------------|----------------|
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | Yes, OB Dump | Yes, OB Dump |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | Not Applicable | Not Applicable |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | NIL | NIL |
| 8f | Baseline information on existence of plantation and additional plantation done (Rule 41) | NIL | NIL |
| 8g | Survival rate | N A | N A |
| 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 | _____ | _____ |

Compliance of Rule 45:

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|--|---|---|--|
| 9a | Status of submission of Monthly and Annual returns | Monthly and Annual returns are not being submitted by the lessee. | Monthly and Annual returns are not being submitted by the lessee. | Violation of Rule 45(5)(b) and 45(5)(C) has been pointed out to the lessee |

| | | | |
|----|---|----------------|----------------|
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Not Applicable | Not Applicable |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Not Applicable | Not Applicable |
| 9d | Scrutiny of Annual return on afforestation | Not Applicable | Not Applicable |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity) | Not Applicable | Not Applicable |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | Not Applicable | Not Applicable |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | Not Applicable | Not Applicable |
| 9h | Scrutiny of Annual return on fixed assets | Not Applicable | Not Applicable |
| 9k | Scrutiny of Annual return on mining machineries | Not Applicable | Not Applicable |

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) | 12/12/2017 | | | |
| MCDR17 | Rule 27(1) | 12/12/2017 | | | |
| | Rule 45(5)(a) | 12/12/2017 | | | |
| | Rule 45(5)(b) | 12/12/2017 | | | |

Date :

(Ch.Suseela)

Indian Bureau of Mines