

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

Mining Plan Modification REPORT

Hyderabad regional office

Mine file No : AP/KNL/LST-137/HYD

Mine code : 38APR11079

- (i) Name of the Inspecting : **25**) **SHRI IBRAHIM SARIF**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : SRI K PRABHAKAR REDDY, QP, S VISHWANATH REDDY, PARTNE
Official with
Designation
- (iv) Date of Inspection : 22/10/2019
- (v) Prev.inspection date : 13/10/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **VENKATAPURAM (S.NO 76)**
- (b) **Registration NO.** : **IBM/20003/2015**
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : KURNOOL
- Village : VENKATPURAM
- Taluka : DHONE
- Post office : YENKENDLA
- Pin Code : 518222
- FAX No. :
- E-mail : kranthiindustriesbpl@gmail
- Phone : 440529617 (CELL),901437777
- (f) **Police Station** : BANAGANAPALLI
- (g) **First opening date** : 13/03/2000
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : SRI BHRAMESWARA REDDY
KOLUMULAPALLI (PO)
BETHAMCHERLA (M), KURNOOL DISTRICT.
3. (a) **Lease Number** : APR1435
- (b) **Lease area** : .64
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 09/03/2020
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : BHRAMESWARA REDDY
MINE OWNER KOLUMULAPALLI
(P.O.) BETHAMCHERLA (M)
KURNOOL ANDHRA PRADESH
Phone:9440529617 (CELL)
FAX :

Owner : BHRAMESWARA REDDY
KOLUMULAPALLI (P.O)
BETHAMCHERLA (M) KURNOOL
ANDHRA PRADESH
Phone: 9440529617 (CEL
FAX :

6. Date of approval of Mining : Fresh under rule 22 MCR1960 17/11/1999
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 11/11/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|---|--|---|---------|
| 1a | Backlog of previous year | 04 DTH Bore holes in 200 X 200 grid | 04 DTH drilled but its consent could not be taken as meter wise cores were not maintained for verification. lessee has proposed to re-drill the 4 bore holes within 2019-20. | |
| 1b | Exploration over lease area for geological axis 1 or 2 | No proposal | One trial pit, 4m x 3m x 5m. Further, 4 bore holes drilled but could not be verified in the absence of maintaining meter wise bore hole cuttings for verification in the field. however, the lessee proposed to re-drill the 4 bore holes in the balance period of 2019-20. | |
| 1c | Exploration Agencies and Expenditure in lakh rupees during the year | No proposal | Lessee, Rs. 2,500 only | |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | Proposed to convert entire lease area in to G1 level | Up to 5 meters depth from surface, the lease area is converted under G1 level by one major working pit, 2, 5, 6, 7 & 8 No's trail pits with a distance from pit to pit is 40 to 95m. PROposal to drill 5 DTH bore holes were given by the lessee to convert the lease in to G1 level in the balance period of 2019-20 | |
| 1e | Balance reserve as on 01/04/20 | - | 91,928 Tonnes | |

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| 1f | General remarks of inspecting officers on geology, exploration etc | The mineral deposit occurring in the area is Tuffaceous Limestone, with uniform deposition from 1 to 7.0 meters depth. 7 Trai pits have been dug up to 5 meters and depth and a working pit up to 7 meters shows the occurrence of ore. Thgus up to 5 meters depth from surface the ore is proved in G1 level. Further exploration depth ward is committed by lessee for balance period of 2019-20. |
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Development :

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|--|--|---------|
| 2a | Location of development w.r.t.lease area | To develope the mine in BB', CC' & DD" section | Working is carried out within BB' section, within in proposed area. | |
| 2b | Separate benches in topsoil, overburden and minerals (Rule 15) | Yes, Top soil and Ore | Benches in Ore and calcarious soil is maintained separately. | |
| 2c | Stripping ratio or ore to OB ratio | Nil | Nil | |
| 2d | Quantity of topsoil generation in m3 | 1785 cumof top soil to be generated | Nil | |
| 2e | Quantity of overburden generation in m3 | Nil | Nil | |
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | | Working is carried out within BB' section, within in proposed area. The deposit is uniform and ore is tuffaceous Limestone, ore occurrence up to 7 meters depth is proved, further pit is well developed by maintaining two benches of 3 to 3.5 meters depth for mining purpose. | |

Exploitation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|---|---|---|
| 3a | Number of pit proposed for production | One | One, The dimension of main pit is 143m x 95m x 8.2 meters | |
| 3b | Quantity of ROM mineral production proposed | 30,590 MT | 30,200 MT | |
| 3c | Recovery of sailable/usable mineral from ROM production | 95% | 100% | no intercaqlated waste generated during the year. |
| 3d | Quantity of mineral reject generation | Nil | NA | |
| 3h | Manual / Mechanised method adopted for segregating from ROM | No segregation is proposed. | NA | |
| 3i | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects. | No proposal | No study has done | |
| 3j | Provision of drilling and blasting in mineral benches | No Drilling and Bl;asting, as ore is very soft and powdert in nature | Nil | |
| 3k | Provision of mining machineris in mineral benches | Excavator 0.9 cum capacity 1 no., Tipper 10 Tonne capacity 2 nos. | The same are deployed in the lease | |
| 3m | Total area covered under excavation/pits | 1.2 Ha | 0.9 Ha | |
| 3n | Ore to OB ratio for the pit/mine during the year. | 0.039 | Nil | No additional development has done |
| 3o | Total area put in use under different heads at the end of year | Mining : 1.2 Ha, Top SOil Dump: 0.25 Ha, Roads- 0.15 Ha, Green Belt-0.4 Ha, | Mining : 0.9 Ha, Back filled 0.058Ha, | |

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| 3p | Production of ROM mineral during the last five year period as applicable | 2015-16- No proposal 2016-17- 12,692 2017-18 15,276 15,215 2018 -19 30,590 | 2015-16- Nil 2016-17-4,000 2017-18 - 15,215 2018 -19 -30,200 30,200 |
| 3q | General remarks of inspecting officers on method of mining etc. | mining operations and production is being carried out within approved proposals by maintaining 2 benches of 3- 3.5 meters height with width more than height by mechanised method. | |

Solid Waste Management - Dumping:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|--|---|---------|
| 4a | Separate dumping of topsoil, OB and mineral rejects (Rule 32,33) | Proposed | Nil | |
| 4b | Location of topsoil, OB and mineral reject dumps | Along 7.5 meters of safety zone in the lease area. | No generation of top soil, hence Nil | |
| 4c | Number of dumps within lease area and outside of lease area | No proposal | Nil | |
| 4k | Specific comments of inspecting officer on waste dump management | | No Top soil generated during the plan period as no additional development of fresh area is excavated. no comment about waste management | |

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. | No proposal | Nil |
| 5b | Area under backfilling of mined out area | Nil | Nil during the year |
| 5d | Total area fully reclaimed and rehabilitated | No proposal | nil |
| 5e | General remarks of inspecting officers on backfilling and reclamation etc. | | No backfilling is done during the plan period, however prior to start of plan period the area near ML pillar no.3 along 7.5 meters safety zone was backfilled. |

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 regularly | Submitted | |
| 6b | Area available for rehabilitation (ha) . | No proposal | Nil | |
| 6c | afforestation done (ha). | 0.2 ha for entire plan period | 0.05 ha as lack of area available for plantation | |
| 6d | No. of saplings planted during the year | 100 sapplings | 30 sapplings, as no area available for plantation. | |
| 6p | Compliance of environmental monitoring (core zone and buffer zone) | Regular quarterly monitoring is to be done | Quarterly monitoring of Air, Noise, Water is being done. | |
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. | | plantation is being done covering 0.2 Ha area. Regular monitoring of Air water, Noise is being carried out. | |

Mineral Conservation:

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|--|--|--|---------|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | ROM produced is being dispatched no sorting and sizing is proposed | ROM produced is being dispatched from the mine. | |
| 7c | Different grade of mineral sorted out at mines. | No proposal | Nil | |
| 7d | Any beneficiation process at mines | No proposal | Nil | |
| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues | | Entire ROM produced is being dispatched. No beneficiation is required for this type of deposit | |

Environment:

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|--|--|--|---------|
| 8a | Separate removal and utilization of topsoil (Rule 32) | Proposed to remove top soil and utilise for plantation | No top soil generated | |
| 8b | Concurrent use or storage of topsoil | For Plantation | Nil | |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | No proposal | Nil | |
| 8f | Baseline information on existence of plantation and additional plantation done (Rule 41) | 100 sapplings were proposed to plant | 30 sapplings were planted due to non availability of area for plantation | |
| 8g | Survival rate | 100% | 30% due to no rain fall. | |
| 8h | Water sprinkling on roads to control airborne dust | | water sprinkling arrangements were found made for dust suppression.. | |

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| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area | Plantation is proposed to improve aesthetic beauty. | Plantation is being done. |
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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 to be submitted regularly | Monthly and Annual returns are being submitted regularly | |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Mining : 0.9 Ha, Reclamation & Rehabilitation 0.058Ha, | Mining : 0.9 Ha, Reclamation & Rehabilitation 0.058Ha, | |
| 9d | Scrutiny of Annual return on afforestation | 30 | 30 | |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | Rs 180 | Rs. 180 | |
| 9k | Scrutiny of Annual return on mining machineries | Excavator 0.9 cum, Tipper- 10T capacity- 2 nos. | Excavator 0.9 cum, Tipper- 10T capacity- 2 nos. | |

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 |

Date :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines