

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

**MCDR INSPECTION REPORT
Hyderabad regional office**

Mine file No : AP/KNL/LST-194/HYD

Mine code : 38APR11173

- (i) Name of the Inspecting : **RK13**) A.V.Ramesh Kumar
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Narsi Reddy, Rep. of Lessee
Official with
Designation
- (iv) Date of Inspection : 24/04/2016
- (v) Prev.inspection date : 04/03/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **NANADAVARAM&VENK(4.04 8HA**
- (b) **Registration NO.** : **IBM/14300/2012**
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : KURNOOL
- Village : NANADAVARAM
- Taluka : BANAGANAPALLY
- Post office : NANADAVARAM
- Pin Code : 518124
- FAX No. :
- E-mail :
- Phone : 08515-267539
- (f) **Police Station** : BANGANAPALLI
- (g) **First opening date** : 02/07/2012
- (h) **Weekly day of rest** : SUN
2. **Address for** : T.SREE RAMULU, H.NO:7-15-7
correspondance NEAR COURT, DHONE(V&P)
KURNOOL DT.
3. (a) **Lease Number** :
- (b) **Lease area** :
- (c) **Period of lease** :
- (d) **Date of Expiry** :
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : T.SREE RAMULU
H.NO:7-15-7, NEAR COURT,
DHONE(V&PO) KURNOOL DT
KURNOOL ANDHRA PRADESH
Phone:
FAX :

6. Date of approval of Mining : Modif.of approved Mining Plan 27/03/2015
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration was proposed.	No exploration was carried out during the year 2015-16.	None
1b	Exploration over lease area for geological axis 1 or 2	No proposal to explore.	Entire lease area is explored under G1 level	None
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None	None	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	None	None	None
1e	Balance reserve as on 01/04/20	274000 tonnes as on 1.11.2014	Reserves as on 1.4.2016 are 196823 tonnes	None
1f	General remarks of inspecting officers on geology, exploration etc	None	None	The mining in general is being carried out in accordance with the approved mining plan.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	It is proposed to carry out the excavation from North to South between grids N1700531-1700753 and E205075-205291.	The mining is being carried out in the proposed area.	None
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	One bench in OB and three benches in ore	It is observed that there is one bench in OB and three benches in ore	None
2c	Stripping ratio or ore to OB ratio	None	None	None

2d	Quantity of topsoil generation in m3	No proposal for generation of topsoil	No generation of topsoil was observed	None
2e	Quantity of overburden generation in m3	There is no proposal to remove overburden	No overburden removal was observed during the inspection	None
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	None	None	None

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	It is proposed to work in two pits	Two Pits were noticed	None
3b	Quantity of ROM mineral production proposed	It is proposed to generate 1,01,520 tonnes	Actual production is 77177 tonnes	None
3c	Recovery of sailable/usable mineral from ROM production	recovery is proposed at 95%	It is observed that the entire ROM generated is saleable	None
3d	Quantity of mineral reject generation	None	None	None
3e	Grade of mineral rejects generation and threshold value declared.	None	None	None
3f	Quantity of sub grade mineral generation.	None	None	None
3g	Grade of sub grade mineral generation	None	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	It is proposed to work the mine as per OTFM method	It is noticed that the mining operations are being carried out by A OTFM method	None

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	None
3j	Provision of drilling and blasting in mineral benches	No blasting or drilling is proposed	No blasting or drilling was observed	None
3k	Provision of mining machineries in mineral benches	None	None	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It is proposed to work with a bench height of 4-5 meters	it was observed that the proposed bench height is being maintained	None
3m	Total area covered under excavation/pits	3.110 ha	3.110 ha	None
3n	Ore to OB ratio for the pit/mine during the year.	None	None	None
3o	Total area put in use under different heads at the end of year	Area under mining 3.110 ha Infrastructure 0.035 ha Roads 0.200 ha Green belt 0.268 ha	Area under mining 3.110 ha Infrastructure 0.035 ha Roads 0.200 ha Green belt 0.260 ha	None
3p	Production of ROM mineral during the last five year period as applicable	2014-15 99820 tonnes 2015-16 1,01,250 tonnes	2014-15 2015-16 77177 tonnes	The validity of the proposals expired on 31.3.2016.A violation letter was issued to the lessee.
3q	General remarks of inspecting officers on method of mining etc.	None	None	The mining in general is being carried out systematically.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal was there	None	None
4b	Location of topsoil, OB and mineral reject dumps	None	None	None
4c	Number of dumps within lease area and outside of lease area	None	None	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	None	None	None
4e	Number of active and alive dumps.	None	None	None
4f	Number of dead dumps.	None	None	None
4g	Number of dumps established.	None	None	None
4h	Whether Retaining wall or garland drain all along dumps are there.	None	None	None
4i	Length of Retaining wall or garland drain all along dumps	None	None	None
4j	Number of settling ponds	None	None	None
4k	Specific comments of inspecting officer on waste dump management	None	None	None

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.	As the mineral is persisitng,no reclamation was proposed	None	None

5b	Area under backfilling of mined out area	None	None	None
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	None	None	None
5d	Total area fully reclaimed and rehabilitated	None	None	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.	None	None	None

Progressive Mine Closure Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	It is proposed to submit annual report	The lessee has submitted annual report under rule 23(2) of MCDR,1988.	None
6b	Area available for rehabilitation (ha) .	None	None	None
6c	afforestation done (ha).	During the scheme period 60 saplings have been proposed to be planted.	60 saplings were planted.	None
6d	No. of saplings planted during the year	It is proposed to plant 30 saplings during the year 2015-16.	A total of 28 saplings were planted during the said year.	None
6e	Cumulative no .of plants	During the scheme period 60 saplings have been proposed to be planted.	sixty saplings have been planted	None
6f	Any other method of rehabilitation	None	None	None

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	Not applicable	Not applicable	Not applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not applicable	Not applicable	Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Not applicable	Not applicable	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not applicable	Not applicable	Not applicable

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	It is proposed to produce 1,01,250 tonnes during 2015-16.	The actual production reported was 77100 tonnes	None
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	The entire ROM generated is proposed to sell in the domestic market	The entire ROM generated is saleable	None
7c	Different grade of mineral sorted out at mines.	Not applicable	Not applicable	None
7d	Any beneficiation process at mines .	No beneficiation is proposed	No beneficiation was observed during the inspection.	None

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	None	The Mining operations are being carried out systematically	None
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	There is no proposal for generation of topsoil.	There is no generation of topsoil	None
8b	Concurrent use or storage of topsoil	None	None	None
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	None	None	None
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None	None	None
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None	None	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	It was proposed to plant 30 no. of saplings.	Thirty number of saplings were planted.	None
8g	Survival rate	The survival rated was proposed at 70%	The survival rate was noticed as 50%	None

8h	Water sprinkling on roads to control airborne dust	It was proposed to use water sprinkler for suppression of dust.	It was noticed that measures for suppression of dust were noticed.	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	None	During the inspection it was noticed that the mine was developed in a systematically.	General aesthetic beauty was noticed in and around the mine.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	The Annual return for the year 2015-16 has been submitted.	The registration number is given as IBM/14300/2012.The production reported was 77177 tonnes.The despatches were reported as 74,332 tonnes and the closing stock was reported as 8505 tonnes.The ex-mine price was reported as Rs.120/- .The no. of days the mine worked is 302 days.	Annual and monthly returns are being submitted regularly.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	The details pertaining to Manager are given in the Annual return.	The Nmae of the manager is reported as Sri Suresh babu.	None
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	The area under current working is given as 2.022 ha.	The same was noticed during the inspection.	NIL
9d	Scrutiny of Annual return on afforestation	The number of trees planted as per annual return are 30.	the same was noticed during the inspection.	None
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	It was reported in the annual return that there is no generation of mineral reject.	It was observed that no mineral reject was generated.	Nil

9f	Scrutiny of Annual return on ROM stock and/or graded ore	The ROM was reported as 77177 tonnes	The complete ROM generated is reported under BF grade.	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The ex-mine price was reported as Rs.120/- per tonne.	The cost of production was reported as Rs.120/ per tonne.	None
9h	Scrutiny of Annual return on fixed assets	The total capital is shown as Rs.20,00,000/-	The same was noticed in the annual return.	None
9k	Scrutiny of Annual return on mining machineries	Under the machinery few details pertaining to machines was listed.	The following machinery was listed 1.Jeep/Tractor 2.Conveyor 3.Back Hoe	None

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
Rule 13(1)	31/05/2016				

Date :
(A.V.Ramesh Kumar)

Indian Bureau of Mines