

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

**MCDR INSPECTION REPORT
Hyderabad regional office**

Mine file No : AP/KNL/LST-139/HYD

Mine code : 38APR11064

- (i) Name of the Inspecting : **C\$10**) **Ch.Suseela**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompaning mine : Sri.Narayana Reddy, Lessee's Representative
Official with
Designation
- (iv) Date of Inspection : 16/09/2016
- (v) Prev.inspection date : 10/03/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **NANDAWARAM**
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : KURNOOL
- Village : NANDAWARAM
- Taluka :
- Post office : BANAGANAPALLI
- Pin Code :
- FAX No. :
- E-mail :
- Phone :
- (f) **Police Station** : BANGANAPALLI
- (g) **First opening date** : 28/06/1998
- (h) **Weekly day of rest** : SUN
2. **Address for** : SRI S.VENKATARAMI REDDY,
correspondance MINE OWNER, PALKUR POST,
BANGANAPALLI MANDAL, KURNOOL DISTRICT.
3. (a) **Lease Number** : APR1926
- (b) **Lease area** : 2.2
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 27/06/2020
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : S.VENKATA RAMI REDDY
 PALKUR VILLAGE KURNOOL
 ANDHRA PRADESH
 Phone:
 FAX :

Owner : S.VENKATARAMI REDDY
 MINE OWNER, PALKUR POST,
 BANGANAPALLI MANDAL,
 KURNOOL DISTRICT. KURNOOL
 ANDHRA PRADESH
 Phone:
 FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	23/12/1999
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	01/02/2011
		Mining Scheme rule 12 MCDR1988	28/05/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	None	None	Since the mining lease area is very small and most of the area is covered by the working pit, no further exploration has been proposed in the ensuing scheme period.
1b	Exploration over lease area for geological axis 1 or 2	Nil	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not applicable	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	Most of the area is covered by the Pit and hence no area has to be explored.
1e	Balance reserve as on 01/04/20	12804 tonnes	12804 tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	No further exploration is needed as most of the mining lease area is covered by the working pit and the mineral is going to be exhausted in a couple of years.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No proposal	NIL	Since the mining is carried out at pit bottom, no development is proposed.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No Proposal	NIL	The workings are being carried out in one slice from the bottom of the pit.
2c	Stripping ratio or ore to OB ratio	NIL	No Over burden	
2d	Quantity of topsoil generation in m3	No proposal	No top soil	
2e	Quantity of overburden generation in m3	No Proposal	No overburden	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	_____	_____	Mining operations are being carried out on the pit bottom.

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	3988 tonnes	3900 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	No Proposal	NIL	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	NIL	NIL	

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	NIL	NIL	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	N.A	N.A	The mining operations are being carried out at pit bottom.
3m	Total area covered under excavation/pits	1.922 ha up to 2016-17	1.76 ha	
3n	Ore to OB ratio for the pit/mine during the year.	No Proposal	No Overburden	
3o	Total area put in use under different heads at the end of year	2.166 ha	2.0 ha	
3p	Production of ROM mineral during the last five year period as applicable	2011-12 : 2976 t, 2012-13 : NIL, 2013-14 : NIL, 2014-15 : 3850 t, 2015- 16 : 3988 t	2011-12 : 105352 t, 2012-13 : NIL, 2013-14 : 4350 t, 2014-15 : 3900 t	For excess production during the year 2011-12, court case has been filed and the lessee was penalised.
3q	General remarks of inspecting officers on method of mining etc.	_____	_____	Mining operations are being carried out manually in single pit. Most of the lease area is covered by mining pit and excavation is on the pit bottom.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NIL	No waste is being generated.	
4b	Location of topsoil, OB and mineral reject dumps	No Proposal	NIL	
4c	Number of dumps within lease area and outside of lease area	No Proposal	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Applicable	Not Applicable	
4e	Number of active and alive dumps.	Not Applicable	Not Applicable	
4f	Number of dead dumps.	Not Applicable	Not Applicable	
4g	Number of dumps established.	Not Applicable	Not Applicable	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not Applicable	Not Applicable	
4i	Length of Retaining wall or garland drain all along dumps	Not Applicable	Not Applicable	
4j	Number of settling ponds	Not Applicable	Not Applicable	
4k	Specific comments of inspecting officer on waste dump management	_____	_____	The mining operations are being carried out from the pit bottom. Since no waste is generated, waste dump management does not arise.

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	7.5 m buffer zone, which was excavated has been back filled.
5b	Area under backfilling of mined out area	No proposal	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No Proposal	NIL	
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	_____	_____	Mining Lease area is not matured for reclamation. Only 7.5 m buffer zone which was excavated earlier has been back filled.

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 submitted.	Violation of Rule 23E(2) has been pointed out to the party.
6b	Area available for rehabilitation (ha) .	No Proposal	NIL	
6c	afforestation done (ha).	0.02 ha	0.001 ha	
6d	No. of saplings planted during the year	200 saplings	50 saplings	Violation of Rule 13(1) has been pointed out.
6e	Cumulative no .of plants	400 plants	200 plants	
6f	Any other method of rehabilitation	NIL	NIL	

6g	Cost incurred on watch and care during the year	No Proposal	Rs.20,000/-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not Applicable	Not Applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not Applicable	Not Applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Not Applicable	Not Applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not Applicable	Not Applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not Applicable	Not Applicable
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not Applicable	Not Applicable
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not Applicable	Not Applicable

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)	Not Applicable	Not Applicable	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	_____	_____	For non compliance of afforestation, violation has been pointed out.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatch	Total ROM is being dispatched.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not Applicable	Not Applicable	
7c	Different grade of mineral sorted out at mines.	Not Applicable	Not Applicable	
7d	Any beneficiation process at mines .	Not Applicable	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	_____	_____	Since total ROM is being dispatched, no need of beneficiation studies.Total mineral is being conserved.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal	No top soil	
8b	Concurrent use or storage of topsoil	Not Applicable	Not Applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal	NIL	No over burden since the mining operations are being carried out at pit bottom.
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)	Not applicable	Not applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	200	200	
8g	Survival rate	No Proposal	80%	
8h	Water sprinkling on roads to control airborne dust	No proposal	NIL	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	_____	_____	The surrounding areas of Mining lease are agricultural lands looks greenish.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	_____	Lessee has submitted Monthly Returns up to date.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri G. Viswanatha Reddy, Mines Manager	Sri G. Viswanatha Reddy, Mines Manager	Mines Manager is looking after all the mining activities.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	1.752 ha	1.76 ha	
9d	Scrutiny of Annual return on afforestation	50 plants	50 plants	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	3900 tonnes	3900 tonnes	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex. Mine price-Rs.146/- Cost of production-Rs.127.30/-	Seems to be correct.	
9h	Scrutiny of Annual return on fixed assets	Land costing Rs.50,000/-	Land costing Rs.50,000/-	
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 13(1)	05/10/2016				
Rule 23E(2)	05/10/2016				
Rule 45(7)	05/10/2016				

Date :
(Ch.Suseela)

Indian Bureau of Mines