

**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 : **AP03**) **A.Prabhakar Rao**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : **SRI P.LOKESWARREDDY , LESSEE'S REPRESENTATIVE, G.VISWAN**
Official with
Designation
- (iv) Date of Inspection : 28/06/2017
- (v) Prev.inspection date : 16/09/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **NANDAWARAM**
- (b) **Registration NO.** : **IBM/623/2011**
- (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 : **ssnreddy1971@hotmail.com**
- Phone : **9490011843**
- (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
		MP review under 17(1) MCR 2016	21/03/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NO PROPOSALS	NIL	Since the lease area is small extent most of the lease area is covered by the working pit and the working pit shows the base rock occurrence below 223 MRL AT PIT bottom . So no exploration is proposed for this scheme period
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	Since the lease area is small extent most of the lease area is covered by the working pit and the working pit shows the base rock occurrence below 223 MRL AT PIT bottom . So no exploration is proposed for this scheme period
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	Since the lease area is small extent most of the lease area is covered by the working pit and the working pit shows the base rock occurrence below 223 MRL AT PIT bottom . So no exploration is proposed for this scheme period

1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	Since the lease area is small extent most of the lease area is covered by the working pit and the working pit shows the base rock occurrence below 223 MRL AT PIT bottom . So no exploration is proposed for this scheme period
1e	Balance reserve as on 01/04/20	Total Mineral resources(A+B)150700 tonnes, AMineral reserves(Prved (111) 15070tonnesB Remaining resources ,Inferred Mineral resources(333) 7216 tonnes	Total Mineral resources(A+B)15340 tonnes, AMineral reserves(Prved (111) 8124 tonnesB Remaining resources ,Inferred Mineral resources(333) 7216 tonnes	Since the lease area is small extent most of the lease area is covered by the working pit and the working pit shows the base rock occurrence below 223 MRL AT PIT bottom . So no exploration is proposed for this scheme period
1f	General remarks of inspecting officers on geology, exploration etc	NIL	NIL	Since the lease area is small extent most of the lease area is covered by the working pit and the working pit shows the base rock occurrence below 223 MRL AT PIT bottom . So no exploration is proposed for this scheme period

Development :

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

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NO PROPOSALS	NIL	The workings are being carried out in one slice manner
2c	Stripping ratio or ore to OB ratio	NIL	NO OVER BURDEN	NIL
2d	Quantity of topsoil generation in m3	NO PROPOSALS	NO TOP SOIL	NIL

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	ONE PIT	ONE PIT	NIL
3b	Quantity of ROM mineral production proposed	4400 tonnes	4680 tonnes	NIL
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 PROPOSALS	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.	NO	NO	

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	NOT APPLICABLE	NOT APPLICABLE	MINING OPERATIONS ARE BEING CARRIED OUT AT PIT BOTTOM
3m	Total area covered under excavation/pits	1.922 Hectars	1.76 Hectars	
3n	Ore to OB ratio for the pit/mine during the year.	NO PROPOSALS	NO OVER BURDEN	NIL
3o	Total area put in use under different heads at the end of year	2.166	(ii) Covered under current (O/C) 0.000 1.752 1.752 Workings Used for waste disposal 0.000 0.002 0.002	
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 : NIL, 2014-15 : 4350 t, 2015-16 : 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
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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 PROPOSALS	NIL	
4c	Number of dumps within lease area and outside of lease area	NO PROPOSALS	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NOT APPLICABLE	NOT APPLICABLE	NIL
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	7.50 METERS BARRIER 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	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	-
6b	Area available for rehabilitation (ha) .	NO PROPOSAL	NIL	
6c	afforestation done (ha).	0.02 Hect	0.001Hect	
6d	No. of saplings planted during the year	200 Pantys yucaliftus +Subabul over an extent of 100m x 6.0m = 600m ² on SOUTH WEST OF THE BACKFILLED PORTION	200 plants were planted ,Survival rate is 30%	

6e	Cumulative no .of plants	600 plants	400plants
6f	Any other method of rehabilitation	NIL	NIL
6g	Cost incurred on watch and care during the year	NO proposals	RS 20000?
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)Afforestati 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.	NIL	NIL	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatch	Total ROM 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	NIL	NIL	N IL

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 overburden . Since the mining operations arte being carriedout 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 sorroung area s 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	Monthly Returns upto July 2017 & Annual return for year 2016-17 through online received ifrom the lessee	Monthly Returns upto July 2017 & Annual return for year 2016-17 through online received ifrom the lessee	
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	Sri g.vISWANATHA REDDY MINES MANAGER is looking afetr all the mining activities
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	1.75 hect	1.756	
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	4400 TONNES	4680 TONNES	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	For the financial Year 1st April 2015 to 31st March 2016	Exc mine price_Rs 146/ tonne Cost of production RS 127/tonne	Seems to be correct
9k	Scrutiny of Annual return on mining machineries	NIL	NIL	NIL

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 :
(A.Prabhakar Rao)

Indian Bureau of Mines