

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

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/KNL/LST-164/HYD

Mine code : 38APR11143

- (i) Name of the Inspecting : **M001**) **S K MUDULI**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : **SRI N. SIVA RAMI REDDY, MINE OWNER.**
Official with
Designation
- (iv) Date of Inspection : 13/03/2020
- (v) Prev.inspection date : 14/02/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **RAMAPURAM(SY.NO.448/B,12.**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : **ANDHRA PRADESH**
District : **KURNOOL**
Village :
Taluka :
Post office :
Pin Code :
FAX No. :
E-mail :
Phone :
- (f) Police Station : **OWK**
- (g) First opening date : **04/09/2006**
- (h) Weekly day of rest : **SUN**
2. Address for : **H.NO:4-70**
correspondance : **POST&MANDAL:KOLIMIGUNDLA**
DIST: **KURNOOL.**
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 : N.SIVA RAMI REDDY
 H.NO:4-70
 POST&MANDAL:KOLIMIGUNDLA
 DIST:KURNOOL. KURNOOL
 ANDHRA PRADESH
 Phone:
 FAX :

Owner : N.SIVARAMIREDDY
 KOLIMIGUNDLA, (V)&(MANDALAM)
 KURNOOL DIST ,ANDHRAPRADESH
 KURNOOL ANDHRA PRADESH
 Phone:
 FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	13/05/2013
Plan/Scheme of Mining		MP modif under MCR 1960	05/03/2015
		MP modif under 17(3) MCR 2016	20/10/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal approved for 2018-19	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No such proposal approved for 2018-19	Nil	3 Ha has been explored in G1 level.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No such proposal approved for 2018-19	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No such proposal approved for 2018-19	Nil	About 9 Ha to be explored in G1 level for which proposal of 3 core bore holes and 4 DTH bore holes are proposed to be drilled in 2020-21.
1e	Balance reserve as on 01/04/20	As on 31.03.2019 Reserves-320440 tonnes in 111 category Reamining Resources-91745 tonnes in 211 category	As on 31.03.2019 Reserves-656256 tonnes in 111 category Reamining Resources-91745 tonnes in 211 category	
1f	General remarks of inspecting officers on geology, exploration etc			It is a simple bedded deposit. To increase the confidence levels of the reserve further exploration is required besides the exploration already carried out.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t. lease area	BB1,CC1 and DD1 section N 1673650 to N 1673700 E 190250 to E 190500	Mining carried out as proposed	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No such proposal approved for 2018-19	Benches developed only in mineral	
2c	Stripping ratio or ore to OB ratio	1:0 during 2018-19	Nil as there is no OB generation	
2d	Quantity of topsoil generation in m3	No such proposal approved for 2018-19	Nil	
2e	Quantity of overburden generation in m3	No such proposal approved for 2018-19	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development is being carried out at designated place.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	112523 tonnes during 2018-19	1000 tonnes during 2018-19	
3c	Recovery of sailable/usable mineral from ROM production	100% during 2018-19	100% during 2018-19	
3d	Quantity of mineral reject generation	No such proposal approved for 2018-19 as there is no mineral reject. The threshold value declared is CaO%-34%, MgO%<5%.	Nil	

3e	Grade of mineral rejects generation and threshold value declared.	No such proposal approved for 2018-19	Not applicable
3f	Quantity of sub grade mineral generation.	No such proposal approved for 2018-19	Nil as subgrade material does not exists.
3g	Grade of sub grade mineral generation	No such proposal approved for 2018-19	Not applicable
3h	Manual / Mechanised method adopted for segregating from ROM	No such proposal approved for 2018-19	Entire RCOM is consumed. There is no segregation.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No study is proposed.	Not applicable.
3j	Provision of drilling and blasting in mineral benches	Provision for drilling by DTH drill rig(115mm dia) and Compressor is made.	Drilling and blasting is done with aid of DTH rig and Compressor.
3k	Provision of mining machineries in mineral benches	Provision of Excavator(0.9m ³)-1no, Tippers-10 tonners-3 nos etc have been made.	Mineral benches have been formed with the aid of One Excavator(0.9m ³) and 1 nos Tippers(10 tonners each).
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Suitable mineral benches have been proposed. There are no overburden benches.	The benches have been made as proposed in the Review of mining.
3m	Total area covered under excavation/pits	5.228 ha as of 31.03.2019	4.50 Ha
3n	Ore to OB ratio for the pit/mine during the year.	No such proposal approved for 2018-19	Nil

3o	Total area put in use under different heads at the end of year	8.437 Ha	About 8 Ha utilised.
3p	Production of ROM mineral during the last five year period as applicable	2014-15--20,226 t, 2015-16--119735 t, 2016-17--119873 t, 2017-18-109755 t, 2018-19-112523 t	2014-15--103,300 t, 2015-16--365,000 t, 2016-17--334 t, 2017-18-5000 t, 2018-19-1000 t
3q	General remarks of inspecting officers on method of mining etc.		Mechanised method of mining has been adopted.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposals since there is no top soil, OB and mineral reject.	Nil	
4b	Location of topsoil, OB and mineral reject dumps	No proposal approved for 2018-19	Notapplicable	
4c	Number of dumps within lease area and outside of lease area	No proposal approved for 2018-19		
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal approved for 2018-19		
4e	Number of active and alive dumps.	No proposal approved for 2018-19		
4f	Number of dead dumps.	No proposal approved for 2018-19	One old slab quarry rejects lying in western side of the mining lease.	
4g	Number of dumps established.	No proposal approved for 2018-19	Nil	

4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal approved for 2018-19	Nil	
4i	Length of Retaining wall or garland drain all along dumps	No proposal approved for 2018-19	Nil	
4j	Number of settling ponds	No proposal approved for 2018-19	Nil	
4k	Specific comments of inspecting officer on waste dump management			Slab quarry waste is lying in the west side of the mining lease.

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.	There are no proposals of backfiling of mined out area.	Mineral is continuing at depth.No part of the lease area is matured to start back filling.	
5b	Area under backfilling of mined out area	No proposal approved for 2018-19	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal approved for 2018-19	Nil	
5d	Total area fully reclaimed and rehabilitated	No proposal approved for 2018-19	Nil	Mineral is continuing at depth.No part of the lease area is matured to start back filling.
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Mineral is continuing at depth.No part of the lease area is matured to start back filling.

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	Submitted	
6b	Area available for rehabilitation (ha) .	No proposal approved for 2018-19	Nil	Mineral is continuing at depth.No part of the lease area is matured to start back filling.
6c	afforestation done (ha).	No proposal approved for 2018-19	Nil	
6d	No. of saplings planted during the year	No proposal approved for 2018-19	Nil	
6e	Cumulative no .of plants	No proposal approved for 2018-19	Nil	
6f	Any other method of rehabilitation	No proposal approved for 2018-19	Nil	
6g	Cost incurred on watch and care during the year	No proposal approved for 2018-19	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal approved for 2018-19	Nil	Mineral is continuing at depth.No part of the lease area is matured to start back filling.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal approved for 2018-19	Nil	-do-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	No proposal approved for 2018-19	Nil	-do-

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal approved for 2018-19	Nil	-do-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal approved for 2018-19	Nil	-do-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal approved for 2018-19	Nil	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal approved for 2018-19	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal approved for 2018-19	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposal approved for 2018-19	-	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Since the mineral is yet to exhaust and therefore there is no reclamation and rehabilitation proposals.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Total ROM mineral is despatch.There is no proposal for grade wise sorting.	2960 tonnes despatched during 2018-19.	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No such approved proposal for 2018-19.	Nil	
7c	Different grade of mineral sorted out at mines.	No proposal approved for 2018-19	Not applicable. There is no segregation process.	
7d	Any beneficiation process at mines .	No proposal approved for 2018-19	No beneficiation is practiced except physical sizing of ROM by Crusher.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Beneficiation is not warranted. The entire ROM is sold after sizing of the mineral.

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal approved for 2018-19	Nil as there exists no top soil.	
8b	Concurrent use or storage of topsoil	No proposal approved for 2018-19	There is no top soil and storage of top soil does not arise.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal approved for 2018-19	There is no generation of overburden, waste rock, reject and fines etc	One old slab quarry waste lying in western side of the mining lease.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal approved for 2018-19	Does not arise.	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal approved for 2018-19	Does not arise.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	The area is rocky terrain, phased afforestation is proposed	200 nos of sapling has been planted along Eastern side 7.5 m safety zone (BP-1 to BP-38) Green belt has been developed.	
8g	Survival rate		Survival rate is about 70%	
8h	Water sprinkling on roads to control airborne dust	The haul road will be periodically sprayed with water.	As proposed the haul roads periodically sprinkled with water.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The ML area is a rocky terrain, the complimentary afforestation in eastern safety zone is adding to the aesthetic beauty of the ML area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	The monthly and annual returns to be submitted online.	The monthly and annual returns are submitted online.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Provision for the employment of Mines Manager is made.	Except mines manager, no Mining Engineer and Geologist is employed.	Advised to appoint Mining Engineer and Geologist.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	To be furnished	Furnished.	

9d	Scrutiny of Annual return on afforestation	To be furnished.	200 nos during 2018-19
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	To be furnished	There is no generation of mineral rejects
9f	Scrutiny of Annual return on ROM stock and/or graded ore	To be furnished	Furnished
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	To be furnished.	Furnished
9h	Scrutiny of Annual return on fixed assets	To be furnished	Rs 100000.00
9k	Scrutiny of Annual return on mining machineries	To be furnished	Hired machinery like excavator, tippers, compressor etc.

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 :

(S K MUDULI)

Indian Bureau of Mines