

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

Review and updation of Mining Plan REPORT

Hyderabad regional office

Mine file No : AP/GNR/LST-30/HYD

Mine code : 38APR07033

- (i) Name of the Inspecting : **M001**) **S K MUDULI**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : **MALELA ADINARAYANA, LESSEE, P R MISHRA, QP**
Official with
Designation
- (iv) Date of Inspection : 21-NOV-19
- (v) Prev.inspection date : 07-MAR-19

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KONANKI**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : **ANDHRA PRADESH**
District : **GUNTUR**
Village : **KONANKI**
Taluka : **PIDIGURALLA**
Post office : **PIDUGURALLA**
Pin Code : **522413**
FAX No. :
E-mail : **kakathiya123@gmail.com**
Phone : **9490114897,8247727896**
- (f) Police Station :
- (g) First opening date : 01-JAN-00
- (h) Weekly day of rest : SUN
2. Address for : **M.ADINARAYANA LIMESTONE MINE,**
correspondance : **KONANKI, PIDUGURALLA (M)**
GUNTUR DIST
3. (a) Lease Number : **APR1378**
- (b) Lease area : **2.98**
- (c) Period of lease : **20**
- (d) Date of Expiry : **29-DEC-19**
4. Mineral worked : **LIMESTONE** Main

5. Name and Address of the

Lessee : M.ADINARAYANA
S/O BUTCHAI AH PIDUGURALLA
(P.O) GUNTUR DIST GUNTUR
ANDHRA PRADESH
Phone:
FAX :

Owner : M.ADINARAYANA
S/O BUTCHAI AH PIDUGURALLA
(P.O) GUNTUR DIST GUNTUR
ANDHRA PRADESH
Phone:
FAX :

6. Date of approval of Mining : Renewal under rule 24 MCR1960 09-JAN-08
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	5 Bore holes during 2018-19	During 2018-19 the lessee has completed 5nos of DTH BHs for a total length of 200m.	Mine suspended on 24.01.2019 and recommended for Termination to State DMG on 10-06-2019.
1b	Exploration over lease area for geological axis 1 or 2	1.91 Ha in G1.Further close spaced drilling proposed.	1.44 Ha explored in G1 which was earlier explored and is also part of the proposed area.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Lessee himself. Expenditure towards exploration Rs 75000.00	
1d	Balance area to be explored to bring Geological axis in 1 or 2	1.91 Ha in G1.Some of the bore holes proposed for close spaced drilling.	1.44 Ha explored in G1 which was earlier explored and part of the proposed area for exploration.	
1e	Balance reserve as on 01/04/20	51605 tonnes-111 category reserves	30388 tonnes-111 category balance reserves	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N25 to N200,E25 to E150	Within the proposed area bounded by N25 to N200,E25 to E150	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal	Proposal is already on broken up area.	

2c	Stripping ratio or ore to OB ratio	Entire ROM produced is saleable. Siliceous Limestone (SiO ₂ >18%) which was treated as waste/Mineral reject generation has also been considered under production.	During inspection it was reported that Siliceous Limestone (SiO ₂ >18%) are produced, blended. Incongruity has been observed in production figures reported and the lessee has been asked to submit the year wise production and despatch details from 2016-17 to 2018-19, duly authenticated by the State DMG and also letter issued to state regarding the same. For excess production violation u/r 11(1) of MCDR-2017 has been issued on the basis of scrutiny of records. Mine suspended on 24.01.2019.	
2d	Quantity of topsoil generation in m ³	No proposal	Proposal has been given in already broken up area.	
2e	Quantity of overburden generation in m ³	3057m ³	Siliceous Limestone (SiO ₂ >18%) produced, blended.	Mine is under suspension.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Bench height needs to be reduced in North side and benches need to be developed systematically. The mining activity has reached upto a depth of about 20m below ground level.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	Limestone ROM- 24675 tonnes (9870m ³), Waste (Siliceous Limestone)- 3959m ³	28175 tonnes Limestone ROM	

3c	Recovery of sailable/usable mineral from ROM production	100%	100%
3d	Quantity of mineral reject generation	3959 m3	Part of production figure
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Siliceous Limestone-CaO%>35% and SiO2>18% Threshold value-CaO%-35%(min),SiO2%-18%(max),MgO-4%(max),Alkalies-0.5%(max)
3f	Quantity of sub grade mineral generation.	Nil	Nil
3g	Grade of sub grade mineral generation	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	No segregation is being done
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Nil
3j	Provision of drilling and blasting in mineral benches	No proposal	Nil
3k	Provision of mining machineries in mineral benches	Manually	Tractor and manual loading.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	1.5m	Benches have attained a height of 10m in North part and the width of bench maintained is only 3m.Further at places bench height is around 5m are not suitable for manual mining.
3m	Total area covered under excavation/pits	1.992 Ha	1.992 Ha

3n	Ore to OB ratio for the pit/mine during the year.	1:0.25	Siliceous Limestone(SiO2%>18%) which was considered as waste /mineral reject has been considered as part of production.	
3o	Total area put in use under different heads at the end of year	2.376 Ha	About 2.3 Ha	
3p	Production of ROM mineral during the last five year period as applicable	2016-17-27442.50 tonnes 2017-18-24545 tonnes 2018-19-24675 tonnes	2013-14-73,700 tonnes 2014-15-1,29,500 tonnes 2015-16-61250 tonnes 2016-17-14915 tonnes 2017-18-54790 tonnes 2018-19-28175 tonnes (as Per Monthly returns submitted)	2018-19 Annual return not submitted
3q	General remarks of inspecting officers on method of mining etc.			Manual Method of mining adopted. Bench height is not proper.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposal for stacking Mineral reject/waste- 3959 m3	Nil as all the OB/Mineral reject has been utilised for blending.	
4b	Location of topsoil, OB and mineral reject dumps	Mineral Reject Dump (N175-N225 and E025-E150)	Not stacked	
4c	Number of dumps within lease area and outside of lease area	2 nos within the lease area	1 nos within the lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Out side the UPL area	Out side the UPL area	
4e	Number of active and alive dumps.	Two	One	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	2 nos	1 no.	

4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal as the dump height proposed is of max 3m and it consists of +150mm size material.	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Nil
4j	Number of settling ponds	No proposal	Nil

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.	Nil	Nil	Mineral has not been extracted upto the ultimate pit limit and also mineral is yet to be exhausted. Thus the no part of the mining lease area is fully matured for starting back filling.
5b	Area under backfilling of mined out area	No proposal	Nil	Mineral has not been extracted upto the ultimate pit limit and also mineral is yet to be exhausted.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal as the proposal has been submitted in broken up area	Nil	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	No part of the mining lease area is matured for backfilling.

5e	General remarks of inspecting officers on backfilling and reclamation etc.	Mineral has not been extracted upto the ultimate pit limit and also mineral is yet to be exhausted. Thus the no part of the mining lease area is fully matured for starting back filling.
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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	Not submitted	Mine suspended on 24.01.2019.
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	0.015 Ha	-	
6d	No. of saplings planted during the year	30 nos	NIL	Mine suspended on 24.01.2019.
6f	Any other method of rehabilitation	No proposal	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Nil	Mineral has not been extracted upto the ultimate pit limit and also mineral is yet to be exhausted. Thus no part of the mining lease area is fully matured for starting back filling.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Nil	-do-

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	No proposal	Nil	-do-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil	-do-
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal	Nil	-do-
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly Environmental Monitoring proposed	Not carried out	Mines suspended on 24.01.2019.

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Whatever ROM is produced will be despatched i.e. 24675 tonnes.	26650 tonnes despatched as per Monthly return submitted., during the year 2018-19.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No sorting proposal	No sorting is carried out	
7c	Different grade of mineral sorted out at mines.	No proposal	Siliceous Limestone (SiO ₂ >18%) produced, blended.	
7d	Any beneficiation process at mines .	No proposal	Beneficiation is not required as the upto threshold value the ore is salable.	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Beneficiation not warranted
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal as proposal of mining has bene submitted in already broken up area	Not carried out	
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposal submitted for mineral reject only	Not carried out as Siliceous Limestone($SiO_2 > 18\%$) has been blended and sold out to party after paying royalty.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal		
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal		
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		-	Plantation on part of eastern side safety zone has survived and grown upto a height of 2m.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	To be submitted regularly	Monthly Return submitted. Annual return for 2018-19 not submitted.	Mine suspended on 24.01.2019 and recomended for Termination to State DMG on 10-06-2019.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	AR not submitted for 2018-19.	Mining Engineer-No body appointed Geologist-No body appointed	Mine suspended on 24.1.2019.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	AR not submitted for 2018-19.	About 2.3 Ha has been put to use in total and the same will be dealt at the time of approval of mining plan.	
9d	Scrutiny of Annual return on afforestation	AR not submitted for 2018-19.	NA	Mine suspended on 24.1.2019.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	AR not submitted for 2018-19.	NA	Mine suspended on 24.1.2019.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	AR not submitted for 2018-19.	NA	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	AR not submitted for 2018-19.	NA	
9h	Scrutiny of Annual return on fixed assets	AR not submitted for 2018-19.	NA	
9k	Scrutiny of Annual return on mining machineries	AR not submitted for 2018-19.	NA	

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