

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

Review and updation of Mining Plan REPORT

Hyderabad regional office

Mine file No : AP/KNL/LST-199/HYD

Mine code : 38APR11171

- (i) Name of the Inspecting : **PR09**) **M.Pratap.Reddy**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : E.V.NARESH KUMAR QP
Official with
Designation
- (iv) Date of Inspection : 28/11/2017
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **NANDAWARAM(1.174 HA)**
- (b) **Registration NO.** : **IBM/20552/2016**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : ANDHRA PRADESH
District : KURNOOL
Village : NANDAVARAM
Taluka : KURNOOL
Post office : NANDAVARAM
Pin Code : 518343
FAX No. :
E-mail : summ.uma@gmail.com
Phone : 9701567666 08515-267539
- (f) Police Station : BANGANAPALLI
- (g) First opening date : 01/04/2005
- (h) Weekly day of rest : SUN
2. Address for : M.NARAYANA REDDY
correspondance : 1-67-19 PENDEKANTI NAGAR
BANAGANAPALLY
3. (a) Lease Number : APR2216
- (b) Lease area : 1.17
- (c) Period of lease : 20
- (d) Date of Expiry : 06/01/2024
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : M.NARAYANA REDDY
3 10-171,RANGARAJUPETA,
BANGANAPALLY(M) KURNOOL
ANDHRA PRADESH
Phone:
FAX :

6. Date of approval of Mining :
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Five exploratory pits were proposed.	Nine exploratory pits were done.	
1b	Exploration over lease area for geological axis 1 or 2	G1 scale	G1 scale	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee himself.	Lessee himself under the supervision of Qualified person. Expenditure incurred is RS.1,20,000/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	-	
1e	Balance reserve as on 01/04/20	No approved valid reserve estimation for the year 2016-17.	However the reserve stands at 74,874 T as per the approved document dated 9.1.2018.	
1f	General remarks of inspecting officers on geology, exploration etc	It is a sedimentary Tuffaceous shallow Limestone deposit.	It is Tuffaceous Limestone deposit of shallow depth(6-8m) with G1 scale of exploration.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	There are no approved valid proposals exists for the year 2016-17.	The mine was not in operation for the last five years.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	There are no approved valid proposals exists for the year 2016-17.	So far no benches have been formed.	
2c	Stripping ratio or ore to OB ratio	There are no approved valid proposals exists for the year 2016-17.	-	

2d	Quantity of topsoil generation in m3	There are no approved valid proposals exists for the year 2016-17.	There is no top soil exists
2e	Quantity of overburden generation in m3	There are no approved valid proposals exists for the year 2016-17.	Nil.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	There are no approved valid proposals exists for the year 2016-17.	Except digging of 9 Trial pits, no mining activity and production took place for the last five years. Thus there is no development of mine.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	There are no approved valid proposals exists for the year 2016-17.	Except Trial pits, there is no working pit in the ML area.	
3b	Quantity of ROM mineral production proposed	There are no approved valid proposals exists for the year 2016-17.	Nil	
3c	Recovery of sailable/usable mineral from ROM production	There are no approved valid proposals exists for the year 2016-17.	-	
3d	Quantity of mineral reject generation	There are no approved valid proposals exists for the year 2016-17.	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	There are no approved valid proposals exists for the year 2016-17.	The threshold value for Limestone is Cao=34%. There are no generations of Mineral rejects.	
3f	Quantity of sub grade mineral generation.	There are no approved valid proposals exists for the year 2016-17.	Nil	

3g	Grade of sub grade mineral generation	There are no approved valid proposals exists for the year 2016-17.	No subgrade mineral exists.
3h	Manual / Mechanised method adopted for segregating from ROM	There are no approved valid proposals exists for the year 2016-17.	Manual
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	There are no approved valid proposals exists for the year 2016-17.	No beneficiation is carried out.
3j	Provision of drilling and blasting in mineral benches	There are no approved valid proposals exists for the year 2016-17.	No drilling and blasting is practiced. The mineral is in the powdery form and can be manually extracted.
3k	Provision of mining machineries in mineral benches	There are no approved valid proposals exists for the year 2016-17.	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	There are no approved valid proposals exists for the year 2016-17.	The mining operations are of manual nature and the mineral depth does not exceed 6m from the surface.
3m	Total area covered under excavation/pits	There are no approved valid proposals exists for the year 2016-17.	No area has been sofar degraded for ectraction of the mineral.
3n	Ore to OB ratio for the pit/mine during the year.	There are no approved valid proposals exists for the year 2016-17.	Practically no overburden exists in the ML area.
3o	Total area put in use under different heads at the end of year	There are no approved valid proposals exists for the year 2016-17.	Nil.
3p	Production of ROM mineral during the last five year period as applicable	2012-13 to 2016-17= There is no approved proposals of production.	2012-13 to 2016-17= No production has been done.

3q	General remarks of inspecting officers on method of mining etc.	There are no approved valid proposals exists for the year 2016-17.	However, In and around the ML areas, manual opencast mining is done since the Tuffaceous Limestone is soft mineral.
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	There are no approved valid proposals exists for the year 2016-17.	There exists no top soil,OB and mineral rejects.	
4b	Location of topsoil, OB and mineral reject dumps	There are no approved valid proposals exists for the year 2016-17.	-	
4c	Number of dumps within lease area and outside of lease area	There are no approved valid proposals exists for the year 2016-17.	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	There are no approved valid proposals exists for the year 2016-17.	Does not arise.	
4e	Number of active and alive dumps.	There are no approved valid proposals exists for the year 2016-17.	Nil.	
4f	Number of dead dumps.	There are no approved valid proposals exists for the year 2016-17.	Nil.	
4g	Number of dumps established.	There are no approved valid proposals exists for the year 2016-17.	Nil.	
4h	Whether Retaining wall or garland drain all along dumps are there.	There are no approved valid proposals exists for the year 2016-17.	Does not arise.	

4i	Length of Retaining wall or garland drain all along dumps	There are no approved valid proposals exists for the year 2016-17.	Does not arise.
4j	Number of settling ponds	There are no approved valid proposals exists for the year 2016-17.	Nil
4k	Specific comments of inspecting officer on waste dump management	There are no approved valid proposals exists for the year 2016-17.	There exists no waste dump and management of waste dump does not arise.

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 approved valid proposals for backfilling exists for the year 2016-17.	The mineral is yet to be extracted and it has not reached the stage of backfilling.	
5b	Area under backfilling of mined out area	There are no approved valid proposals exists for the year 2016-17.	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	There are no approved valid proposals exists for the year 2016-17.	Does not arise there is no such material is available.	
5d	Total area fully reclaimed and rehabilitated	There are no approved valid proposals exists for the year 2016-17.	Does not arise.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	There are no approved valid proposals exists for the year 2016-17.	Extraction of mineral has not yet commenced and at this stage the backfilling and reclamation does not arise.	

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	There are no approved valid PMCP proposals exists for the year 2016-17.	-
6b	Area available for rehabilitation (ha) .	There are no approved valid rehabilitation proposals exists for the year 2016-17.	Nil
6c	afforestation done (ha).	There are no approved valid afforestation proposals exists for the year 2016-17.	Nil
6d	No. of saplings planted during the year	There are no approved valid afforestation proposals exists for the year 2016-17.	Nil.
6e	Cumulative no .of plants	There are no approved valid proposals exists for the year 2016-17.	Nil.
6f	Any other method of rehabilitation	There are no approved valid proposals exists for the year 2016-17.	None.
6g	Cost incurred on watch and care during the year	There are no approved valid proposals exists for the year 2016-17.	Nil.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	There are no approved valid proposals exists for the year 2016-17.	Does not arise at this stage.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	There are no approved valid proposals exists for the year 2016-17.	Does not arise.

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	There are no approved valid proposals exists for the year 2016-17.	The ML area/pits have not matured for this activity.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	There are no approved valid proposals exists for the year 2016-17.	-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	There are no approved valid proposals exists for the year 2016-17.	Does not arise.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	There are no approved valid proposals exists for the year 2016-17.	The entire ML area is a mineral bearing area.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	There are no approved valid proposals exists for the year 2016-17.	Does not arise.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	There are no approved valid proposals exists for the year 2016-17.	Does not arise.
6p	Compliance of environmental monitoring (core zone and buffer zone)	There are no approved valid proposals exists for the year 2016-17.	The mine is non operative for more than five years and no monitoring of environmental parameters is done.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	There are no approved valid proposals exists for the year 2016-17.	No progressive closure proposals have been initiated.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	There are no approved proposals for the year 2016-17.	-	No sorting is required. Entire ROM is consumed.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	There are no approved proposals for the year 2016-17.	-	No sorting is done.
7c	Different grade of mineral sorted out at mines.	There are no approved proposals for the year 2016-17.	-	No sorting is done.
7d	Any beneficiation process at mines .	There are no approved proposals for the year 2016-17.	None.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	There are no approved proposals for the year 2016-17.	-	The entire ROM is consumed and there shall not be any generation of sub grade or mineral rejects.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	There are no valis proposals exists for the year 2016-17.	No top soil exists.	
8b	Concurrent use or storage of topsoil	There are no valis proposals exists for the year 2016-17.	Does not arise.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	There are no valis proposals exists for the year 2016-17.	There exists no waste dump, rejects and fines.	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	There are no valis proposals exists for the year 2016-17.	Does not arise.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	There are no valis proposals exists for the year 2016-17.	Does not arise at this stage.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	There are no valis proposals exists for the year 2016-17.	No afforestation exists in the ML area.
8g	Survival rate	No valid approved proposals exists for the year 2016-17	-
8h	Water sprinkling on roads to control airborne dust	No valid approved proposals exists for the year 2016-17	The mine is under non operation and no water sprinling is done.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No valid approved proposals exists for the year 2016-17	No aesthithic beauty exists in and around the mine.

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 return shall be submitted before the 10th of every month in respect of preceding month and annual return which shall be submitted before the 1st July each year for the preceding Financial year		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	To be furnished.	Furnished nil information.	The mine is under non operation for more than five years.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	To be furnished.	Furnished to be nil.	
9d	Scrutiny of Annual return on afforestation	To be furnished.	Information furnished to be nil.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	To be furnished.	Information furnished to be nil.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	To be furnished	Information furnished to be nil.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	To be furnished.	Information furnished to be nil since there is no production.	
9k	Scrutiny of Annual return on mining machineries	To be furnished.	Furnished to be nil since the mine non operative.	

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 :

(M.Pratap.Reddy)

Indian Bureau of Mines