

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

Review and updation of Mining Plan REPORT

Hyderabad regional office

Mine file No : AP/GNR/LST-14/HYD

Mine code : 38APR07014

- (i) Name of the Inspecting : **C\$10**) **Ch.Suseela**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompaning mine : Sri. S.Subramanyam Lessee 's Son.
Official with
Designation
- (iv) Date of Inspection : 10/10/2017
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PIDUGURALLA**
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : GUNTUR
- Village : PIDUGURALLA
- Taluka : PIDUGURALLA
- Post office : PIDUGURALLA
- Pin Code : 522413
- FAX No. :
- E-mail :
- Phone : 08649-252077,9440878620
- (f) **Police Station** : DACHEPALLI
- (g) **First opening date** : 01/01/1961
- (h) **Weekly day of rest** : SUN
2. **Address for** : SMT.SWARNA AKKAMMA
correspondance PIDUGURALLA POST
GUNTUR DIST
3. (a) **Lease Number** : APR0032
- (b) **Lease area** : 101.86
- (c) **Period of lease** : 10
- (d) **Date of Expiry** : 23/06/2002
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : SMT. SWARNA AKKAMMA
W/O LATE SWARNA PITCHAIAH
PIDUGURALLA GUNTUR DIST
GUNTUR ANDHRA PRADESH
Phone:
FAX :

Owner : SMT.SWARNA AKKAMMA
MINE OWNER PIDUGURALLA
GUNTUR ANDHRA PRADESH
Phone: 08649-52077
FAX :

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	16/12/2002
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	10/12/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	55 Trial Pits	20 trial pits	Violation of Rule 11(1) was pointed out.
1b	Exploration over lease area for geological axis 1 or 2	Total lease area was proposed for exploration	About 32 ha	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Proposed	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	_____	40 Ha	
1e	Balance reserve as on 01/04/20	_____	2,13,020 TONNES (122)	
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	Lessee has not carried out the exploration as proposed in the approved Scheme of Mining. Hence violation of Rule 11(1) has been pointed out to the party.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N1824700- N 1824950 E 381300- E 381200	As Proposed	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Only mineral benches	Only mineral benches	The generation of top soil is negligible.
2c	Stripping ratio or ore to OB ratio	1:0.05	1:0.05	
2d	Quantity of topsoil generation in m3	NIL	NIL	

2e	Quantity of overburden generation in m3	9450 tonnes	6657 tonnes	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	_____	_____	Development is carried out as per the proposals.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One Pit	One Pit	There are 3 pits. All the three pits are water logged on the date of inspection.
3b	Quantity of ROM mineral production proposed	50,000 tonnes	59,600 tonnes	About 9,600 tonnes has been achieved more than the targetted production due to market demand, which is coming below 20%.
3c	Recovery of sailable/usable mineral from ROM production	95%	95%	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	Not Applicable	
3f	Quantity of sub grade mineral generation.	2500 tonnes	NIL	
3g	Grade of sub grade mineral generation	- 46% Cao	- 46% Cao	The limestone producing from this mine is being utilised in Kilns. The cut off grade is fixed as 46% Cao
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	Jack Hammer drilling 32 mm	Jack Hammer drilling 32 mm	
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	Yes, 3m	Yes, 3 m	All the three pits are water logged on the date of inspection.
3m	Total area covered under excavation/pits	9.79 ha	8.88 ha	Due to less production during the last scheme period.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.13	1:0.13	
3o	Total area put in use under different heads at the end of year	16.53 ha	14.13 ha	Due to less production during last scheme period.
3p	Production of ROM mineral during the last five year period as applicable	2012-13- No Proposal , 2013-14- No Proposal , 2014-15- 50,000 t, 2015-16-50,000 t, 2016-17- 50,000 t	2012-13- NIL, 2013-14- NIL, 2014-15- NIL, 2015-16-25,680 t, 2016-17- 59,600 t	
3q	General remarks of inspecting officers on method of mining etc.	_____	_____	Mining operations are being carried out in manual open cast method.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	South and South east corner of ML area	South and South east corner of ML area	
4b	Location of topsoil, OB and mineral reject dumps	Two dumps within ML	Two dumps within ML	
4c	Number of dumps within lease area and outside of lease area	Beyond UPL	Beyond UPL	
4e	Number of active and alive dumps.	Two dumps	Two dumps	
4f	Number of dead dumps.	NIL	NIL	
4g	Number of dumps established.	NIL	NIL	Two dumps are active
4h	Whether Retaining wall or garland drain all along dumps are there.	NIL	NIL	
4i	Length of Retaining wall or garland drain all along dumps	NIL	NIL	
4j	Number of settling ponds	No Proposal	NIL	
4k	Specific comments of inspecting officer on waste dump management	_____	_____	Waste dumps are one to two meter height only.

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.	No Proposal	NIL	
5b	Area under backfilling of mined out area	Not Applicable	Not Applicable	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not Applicable	Not Applicable
5d	Total area fully reclaimed and rehabilitated	Not Applicable	Not Applicable
5e	General remarks of inspecting officers on backfilling and reclamation etc.	_____	_____

Progressive Mine Closure Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	No Proposal	NIL	
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha).	NIL	NIL	
6d	No. of saplings planted during the year	NIL	NIL	
6e	Cumulative no .of plants	NIL	NIL	
6f	Any other method of rehabilitation	NIL	NIL	
6g	Cost incurred on watch and care during the year	NIL	NIL	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NIL	NIL	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	NIL	NIL
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	1250	1200
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	NIL	NIL

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	_____	_____	_____
----	---	-------	-------	-------

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No grade wise sorting. Total ROM is being utilised.	No grade wise sorting. Total ROM is being utilised.	
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	_____	_____	Total ROM is being utilised.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal	NIL	
8b	Concurrent use or storage of topsoil	Not Applicable	Not Applicable	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Two OB dumps	Two OB dumps	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1250 plants	1200 plants	
8g	Survival rate	Not specific	80%	
8h	Water sprinkling on roads to control airborne dust	NIL	NIL	Since the mining operations are in small scale, no dust pollution is anticipated.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	_____	_____	_____

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual Returns are being submitted regularly	Monthly and Annual Returns are being submitted regularly	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	NIL	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	_____	Area covered under mining-8.88 ha, Dumps-4.30 ha
9d	Scrutiny of Annual return on afforestation	_____	1200 plants
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	_____	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	59,600 tonnes	59,600 tonnes
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value-Rs.150/-, Ex.Mine Price-Rs.-120/-, COP- Rs.120/-	Sale Value-Rs.150/-, Ex.Mine Price-Rs.-120/-, COP- Rs.120/-
9h	Scrutiny of Annual return on fixed assets	0	0
9k	Scrutiny of Annual return on mining machineries	Jack hammer with compressor, tractor	Jack hammer with compressor, tractor

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
MCDR17	Rule 11(1)	30/10/2017			
MCDR17	Rule 12(5)	30/10/2017			

Date :
(Ch.Suseela)

Indian Bureau of Mines