

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

MCDR INSPECTION REPORT

Hyderabad regional office

Mine file No : AP/KNL/LST-161/HYD

Mine code : 38APR11103

- (i) Name of the Inspecting : **C\$10**) **Ch.Suseela**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : SRI I. CHANDRASEKHAR , SON OF LESSEE
Official with
Designation
- (iv) Date of Inspection : 16/09/2016
- (v) Prev.inspection date : 13/03/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **EMBOY**
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : KURNOOL
- Village : VELDURTHI
- Taluka : EMBOYEE
- Post office :
- Pin Code :
- FAX No. :
- E-mail :
- Phone :
- (f) **Police Station** : DHONE
- (g) **First opening date** : 01/01/1993
- (h) **Weekly day of rest** : SUN
2. **Address for** : H.NO:9-19/A, KOTHPET,
correspondance POST:DHONE,
DIST:KURNOOL. PIN:518222
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 : I.SRIRAMULU
H.NO:9/19/A,KOTHAPET,
POST:DHONE DIST:KURNOOL.
PIN:518222 KURNOOL ANDHRA
PRADESH
Phone:
FAX :

Owner : I.SREE RAMULU
I.SREE RAMULU POST:DHONE
DIST:KURNOOL.. KURNOOL
ANDHRA PRADESH
Phone: 08516-222069
FAX :

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	16/03/2001
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	03/04/2013

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	None	None	
1b	Exploration over lease area for geological axis 1 or 2	No proposal	Area under G1-7.61 ha Area under G2-1.35 ha Area under G3-2.31 ha	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Applicable	Not Applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	_____	NIL	
1e	Balance reserve as on 01/04/20	7919 tonnes	7919 tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			The lessee has not carried out any exploration during earlier scheme period. The reserves have been estimated considering the pit dimensions.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	North east side of ML	North east side of ML	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal	There is no overburden. Mineral is exposed to surface. Only one bench in mineral.	
2c	Stripping ratio or ore to OB ratio	1:0.1	1:0.1	
2d	Quantity of topsoil generation in m3	242 tonnes	No top soil	
2e	Quantity of overburden generation in m3	No Proposal	Not Applicable	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mineral is exposed to surface. There is no overburden and top soil. Mineral is excavated by developing 3 m bench.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one pit	one pit	
3b	Quantity of ROM mineral production proposed	10,111 tonnes	1608 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	90%	90%	
3d	Quantity of mineral reject generation	No proposal	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	Not Applicable	
3f	Quantity of sub grade mineral generation.	2022 tonnes	500 tonnes	Being utilised for blending.
3g	Grade of sub grade mineral generation	35-40% Cao	35-40% 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.	No proposal	NIL	
3j	Provision of drilling and blasting in mineral benches	No Proposal	NIL	Mining operations are being carried out by manual means.

3k	Provision of mining machineries in mineral benches	No Proposal	NIL	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, ht of the bench is 2m	Yes, ht of the bench is 2m	
3m	Total area covered under excavation/pits	5.46 ha	About 3.0 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.1	1:0.1	
3o	Total area put in use under different heads at the end of year	8.32 ha	about 8.0 ha	
3p	Production of ROM mineral during the last five year period as applicable	2011-12---263 t, 2012-13---10025 t, 2013-14---9913 t, 2014-15---9926 t, 2015-16---10,111 t	2011-12---263 t, 2012-13---400 t, 2013-14---2120 t, 2014-15---790 t, 2015-16---1608 t	The production achieved is much lower than the proposals
3q	General remarks of inspecting officers on method of mining etc.	_____	_____	The production achieved is much lower than the proposals.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes, waste dump	Yes, waste dump	
4b	Location of topsoil, OB and mineral reject dumps	N600 & E500	North East	
4c	Number of dumps within lease area and outside of lease area	One dump within ML	One dump within ML	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Northeast	Northeast	
4e	Number of active and alive dumps.	active	active	
4f	Number of dead dumps.	NIL	NIL	
4g	Number of dumps established.	NIL	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall	Retaining wall constructed	
4i	Length of Retaining wall or garland drain all along dumps	Not specific	10m	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management	_____	_____	waste dump is protected from wash off by constructing a retaining wall.

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)	No Proposal	NIL	
5d	Total area fully reclaimed and rehabilitated	Not Applicable	Not Applicable	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	_____	_____	No proposal for backfilling is made during the ensuing scheme period.
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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).	_____	Not Submitted	Violation for Rule 23 E(2) has been pointed out.
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha).	0.1 ha	0.2 ha	
6d	No. of saplings planted during the year	40	100 plants	
6e	Cumulative no .of plants	160 plants	400 plants	
6f	Any other method of rehabilitation	NIL	NIL	
6g	Cost incurred on watch and care during the year	No Proposal	Rs. 10,000/-	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	NIL	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	NIL	

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation 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.	_____	_____	Proposals of PMCP are being complied by the lessee.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Sub grade sorting within the lease area	Sub grade is being separated from ROM	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	<30% Cao	<30% Cao	
7d	Any beneficiation process at mines .	No proposal	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	_____	_____	Sub grade is being stacked separately and will be used whenever demand comes by blending with high grade.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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)	Yes, waste dump	Yes, waste dump	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	Presently not utilising, kept aside. It will be used for backfilling after the Ore is exhausted.	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	NIL	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	40 plants in a year	100 plants have been planted	
8g	Survival rate	Not Specific	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 surrounding areas looks greenary.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	The Lessee is submitting Monthly and Annual Returns up to date.	The Lessee is submitting Monthly and Annual Returns up to date.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Furnished NIL	NIL	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area exploited -1.2 ha; Area covered under current workings- 1.8 ha, reclaimed area-0; dumps- 0	Area exploited -1.2 ha; Area covered under current workings- 1.8 ha, reclaimed area-0; dumps- 0.02ha	

9d	Scrutiny of Annual return on afforestation	70 plants	About 100 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	ROM-1608 tonnes	ROM-1608 tonnes
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value- Rs.250/-; Ex.Mine Price- Rs.250/-; Cost of production- Rs.245/-	Sale Value-Rs.250/-; Ex.Mine Price- Rs.250/-; Cost of production- Rs.245/-
9h	Scrutiny of Annual return on fixed assets	Furnished as Zero	NIL
9k	Scrutiny of Annual return on mining machineries	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
Rule 13(1)	30/09/2016				
Rule 23E(2)	30/09/2016				
Rule 27(4)	30/09/2016				

Date :
(Ch.Suseela)

Indian Bureau of Mines