

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/TCR/LST-72.MDS

Mine code : 38TMN14056

- (i) Name of the Inspecting : **A027**) **A.S.SANJEEVA RAO**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompaning mine : Muthu, Lessess's representative.
Official with
Designation
- (iv) Date of Inspection : 17/10/2015
- (v) Prev.inspection date : 07/05/2011

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **REDDIMANGUDI (2.18.5) HEC**
- (b) **Registration NO.** : **IBM/563/2011**
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TAMIL NADU
- District : TIRUCHIRAPALLI
- Village : REDDIMANGUDI
- Taluka : LALGUDI
- Post office : REDDIMANGUDI
- Pin Code :
- FAX No. :
- E-mail : dcplmaruthi@gmail.com
- Phone :
- (f) **Police Station** : Lalgudi
- (g) **First opening date** : 24/03/1996
- (h) **Weekly day of rest** : SUN
2. **Address for** : S.SARAVANAN
correspondance 24, AKILA NAGAR, T.V.KOVIL
TRICHY -5
3. (a) **Lease Number** : TMN0738
- (b) **Lease area** : 2.19
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 23/03/2016
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : S.SARAVANAN
23,AKILA NAGAR
TIRUVINAIKOIL, TRICHY
TIRUCHIRAPALLI TAMIL NADU
Phone:433006
FAX :

Owner : S.SARAVANAN
24,AKILA NAGAR, T.V.KOIL,
TRICHY-5 TIRUCHIRAPALLI
TAMIL NADU
Phone:
FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	05/07/2001
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	25/07/2005
		Mining Scheme rule 12 MCDR1988	24/09/2012

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil.	Nil.	
1b	Exploration over lease area for geological axis 1 or 2	N.A.	N.A.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil.	Nil.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	-	-	Reserve assessed to a depth of 08m.
1e	Balance reserve as on 01/04/20			-
1f	General remarks of inspecting officers on geology, exploration etc	The proposal given were adequate.	The proposal is being followed.	-

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Nil.	Nil.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Nil.	Nil.	
2c	Stripping ratio or ore to OB ratio	By using Jack hammer.	As proposed.	
2d	Quantity of topsoil generation in m3	Nil.	Nil.	
2e	Quantity of overburden generation in m3	Nil.	Nil.	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Nil.	The mine is developed.
----	---	------	------------------------

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 no.	1 no.	
3b	Quantity of ROM mineral production proposed	19357tonnes of ROM,Lst-11614 tonnes	Lst-100 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	60%	As proposed.	
3d	Quantity of mineral reject generation	7743 tonnes	40tonnes	
3e	Grade of mineral rejects generation and threshold value declared.	NIL.	NIL.	
3f	Quantity of sub grade mineral generation.	N.A	N.A	N.A
3g	Grade of sub grade mineral generation	N.A.	N.A.	N.A.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised.	As proposed.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not applicable.	Not applicable.	
3j	Provision of drilling and blasting in mineral benches	By using Jack hammer .	As proposed.	

3k	Provision of mining machineries in mineral benches	NIL.	NIL.	NIL.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes.	Yes.	-
3m	Total area covered under excavation/pits	1.37hect	1.37hect	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.80	As proposed.	
3o	Total area put in use under different heads at the end of year	1.37hect.	1.37hect.	
3p	Production of ROM mineral during the last five year period as applicable	2010-11:7644 2011-12: 2012-13: 21109 2013-14: 19315 2014-15:19357	2010-11: 133 2011-12: 72 2012-13:17 2013-14:00 2014-15:100	
3q	General remarks of inspecting officers on method of mining etc.			Mining carried out intermittently.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Nil.	No existing top soil dump	
4b	Location of topsoil, OB and mineral reject dumps	Reject dump on northern side.	As proposed.	
4c	Number of dumps within lease area and outside of lease area	2Nos within the lease.	2 Nos within the lease.	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Northern side	Northern side as proposed.
4e	Number of active and alive dumps.	2	2
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.	Garland drain.	Developed.
4i	Length of Retaining wall or garland drain all along dumps	Nil.	About 80 Mtrs of garland drain.
4j	Number of settling ponds	Nil.	Nil.
4k	Specific comments of inspecting officer on waste dump management	Proposal is adequate.	The proposal is being followed.

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.	
5b	Area under backfilling of mined out area	NIL.	NIL.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL.	NIL.	
5d	Total area fully reclaimed and rehabilitated	NIL.	NIL.	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	NIL.	NIL.
----	--	------	------

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).	As proposed in the document.	Submitted.	
6b	Area available for rehabilitation (ha) .	NIL.	NIL.	
6c	afforestation done (ha).	NIL.	NIL.	
6d	No. of saplings planted during the year	10nos.	10nos.	
6e	Cumulative no .of plants	-	120nos	
6f	Any other method of rehabilitation	-	-	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	The proposal given.	The proposal being followed.	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NIL.	NIL.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NIL.	NIL.	

7c	Different grade of mineral sorted out at mines.	NIL.	NIL.	
7d	Any beneficiation process at mines .	NIL.	NIL.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NIL.	NIL.	All grade are being used for cement industry.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL.	NIL.	
8b	Concurrent use or storage of topsoil	NIL.	NIL.	
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)	10 saplings / 150sq m	10 Tress in 150sq m	
8g	Survival rate	70%	40%	

8h	Water sprinkling on roads to control airborne dust	By watering.	By watering .	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Proposal being followed.	The area is dry and arid.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	No M.R. submitted from May 2015.	Violation of rule 45(5)(a)MCDR-88 has been communicated.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Furnished.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	-	Under pits-1.37hect,dumps-0.60hect,green belt-0.13hect,roads-0.03hect.	
9d	Scrutiny of Annual return on afforestation		Details furnished.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	-	Details furnished.	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	-	Details furnished.	

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
Rule 45(5)(a)	18/12/2015	27/05/2016			

Date :
(A.S.SANJEEVA RAO)

Indian Bureau of Mines