

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/KRR/LST-18.MDS

Mine code : 38TMN28024

- (i) Name of the Inspecting : **A027**) **A.S.SANJEEVA RAO**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Rajendran, Lessess representative.
Official with
Designation
- (iv) Date of Inspection : 16/10/2015
- (v) Prev.inspection date : 20/12/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **THENNILAI & KEERANUR(4.66**
- (b) **Registration NO.** : **IBM/6794/201**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : TAMIL NADU
District : KARUR
Village :
Taluka :
Post office :
Pin Code :
FAX No. :
E-mail : rc.radhachemicala@gmail.com
Phone : 04323222044
- (f) Police Station : KULITHALAI
- (g) First opening date : 25/08/2001
- (h) Weekly day of rest : SUN
2. Address for : THENNILAI & KEERANUR VILL
correspondance : KULITHALAI TK.
KARUR DT.
3. (a) Lease Number : TMN1106
- (b) Lease area : 4.66
- (c) Period of lease : 20
- (d) Date of Expiry : 25/11/2021
4. Mineral worked : LIMESTONE Main
QUARTZ Associated

5. Name and Address of the

Lessee : K. PANNEER SELVAM, RADHA CHEMICALS
C-39 CAUVERY NAGAR
KULITHALAI KARUR TAMIL
NADU
Phone:04323-22044
FAX :04323-22356

Owner : K.PANEER SELVAM (SUPER MINES & MINERALS)
NO.102, PERAMANUR MAIN ROAD
SALEM SALEM TAMIL NADU
Phone:
FAX :

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 08/07/2013
Plan/Scheme of Mining

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	NIL	NIL.	-
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	NIL.	NIL.	
1e	Balance reserve as on 01/04/20		365880tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			Reserve assessed to a depth of 17m.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Southern part of pit-1 and pit-2	Southern part of pit-1.	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate proposals.	As proposed.	
2c	Stripping ratio or ore to OB ratio	1:0.83	As proposed.	
2d	Quantity of topsoil generation in m3	NIL.	NIL.	
2e	Quantity of overburden generation in m3	19424tonnes.	5830tonnes.	

2f General remarks of inspecting officers on development of pit w.r.t. type of deposit etc

Mine is under development.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	02pits.	1pit.	
3b	Quantity of ROM mineral production proposed	65429tonnes.	5830tonnes.	
3c	Recovery of sailable/usable mineral from ROM production	70%.	As proposed.	
3d	Quantity of mineral reject generation	19424tonnes.	13403tonnes.	
3e	Grade of mineral rejects generation and threshold value declared.	NIL.	NIL.	
3f	Quantity of sub grade mineral generation.	NIL.	NIL.	
3g	Grade of sub grade mineral generation	NIL.	NIL.	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual.	As proposed.	
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	By using Jack hammer.	As proposed.	

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	NIL.	NIL.	
3m	Total area covered under excavation/pits	1.25hect.	As proposed.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.83	As proposed.	
3o	Total area put in use under different heads at the end of year	2.25hect.	As proposed.	
3p	Production of ROM mineral during the last five year period as applicable	2011-12: - 2012-13: - 2013-14:65429tonnes 2014-15:64748tonnes	2011-12: 1036tonnes 2012-13: 936tonnes 2013-14:13403tonnes. 2014-15:5886tonnes.	
3q	General remarks of inspecting officers on method of mining etc.			Development is as per their proposals.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Seperatly for mineral reject & top soil.	As proposed.	
4b	Location of topsoil, OB and mineral reject dumps	Western side of ML.	As proposed.	
4c	Number of dumps within lease area and outside of lease area	03 within ML.	Maintained as proposed.	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Southern sides within ML	As proposed southern side within ML.
4e	Number of active and alive dumps.	03 dumps.	02 dumps.
4f	Number of dead dumps.	NIL.	NIL.
4g	Number of dumps established.	2 dumps.	2 dumps.
4h	Whether Retaining wall or garland drain all along dumps are there.	Garland drain	Garland drain .
4i	Length of Retaining wall or garland drain all along dumps	NIL.	30m,25m, each.
4j	Number of settling ponds	N.A.	N.A.
4k	Specific comments of inspecting officer on waste dump management	proposal given is adequate.	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.	No proposal.	N.A.	
5b	Area under backfilling of mined out area	No proposal.	N.A.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal.	N.A.	
5d	Total area fully reclaimed and rehabilitated	No proposal.	N.A.	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	Mine not reached ultimate level.
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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).	No proposal.	NIL.	
6b	Area available for rehabilitation (ha) .	No proposal.	N.A.	
6c	afforestation done (ha).	0.15hect	0.10hect	
6d	No. of saplings planted during the year	50nos plantation.	20 no plantation.	
6e	Cumulative no .of plants		15onos.	
6f	Any other method of rehabilitation			
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 proposal.	N.A.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal.	N.A.	

7c	Different grade of mineral sorted out at mines.	NIL.	NIL.	All grades are being sold.
7d	Any beneficiation process at mines	NIL.	N.A.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Proposal was adequate.	Proposal is being followed.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal.	N.A	Being used for afforestation.
8b	Concurrent use or storage of topsoil	No proposal.	N.A.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)			Separate dumps are maintained .
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	N.A.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	N.A.	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 plantation.	20 plantation.
8g	Survival rate	-	40%
8h	Water sprinkling on roads to control airborne dust		Followed.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The area is dry and arid.	Greenery developed inside the lease area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted .	Violation of rule (45)(5)(b)MCDR. has been communicated.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	-	Mine mate certificate holder available.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	-	-	
9d	Scrutiny of Annual return on afforestation	-	-	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	-	-	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	-	-	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	-	-
9h	Scrutiny of Annual return on fixed assets	-	-
9k	Scrutiny of Annual return on mining machineries	-	Violation of rule 45(5)(b)MCDR-88 has been communicated.

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)(b)	18/12/2015				

Date :

(A.S.SANJEEVA RAO)

Indian Bureau of Mines