

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

**MCDR inspection REPORT**

**Chennai regional office**

**Mine file No :** TN/KDC/LST-5.MDS

**Mine code :** 38TMN28011

- (i) Name of the Inspecting : **A027** ) **A.S.SANJEEVA RAO**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Mr Ramaesh,Rep., lessee&Madan Raj rep of RQP.  
Official with  
Designation
- (iv) Date of Inspection : 07-JUN-18
- (v) Prev.inspection date : 15-SEP-17

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **VARAVANI (SALEM CHEMICAL)**
- (b) **Registration NO.** : **IBM/6526/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : TAMIL NADU
- District : KARUR
- Village : VARAVANI
- Taluka : KULITHALAI
- Post office : VARAVANI
- Pin Code :
- FAX No. :
- E-mail :
- Phone : 0427-2444297
- (f) Police Station : Kulithalai
- (g) First opening date : 02-APR-99
- (h) Weekly day of rest : SUN
2. Address for : VARAVANAI VILL&PO  
correspondance KULITHALAI TK  
KARUR DT.
3. (a) Lease Number : TMN1100
- (b) Lease area : 2.34
- (c) Period of lease : 20
- (d) Date of Expiry : 04-FEB-18
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : M.K.ILLANGO, M/S SALEM CHEMICALS  
60/1,PUTJUR LTTERI ROAD,  
SALEM SALEM TAMIL NADU  
Phone:  
FAX :

Owner : M.K.ELANGO, SALEM CHEMICALS  
14/22,AGRAHARAM, SEVAPET  
SALEM-2 SALEM TAMIL NADU  
Phone: 0427-2444297  
FAX :

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 20-AUG-13  
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	Axis-1	Axis-1	Reserve estimated upto 17m from pit.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil.	Rs.31500/-	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil.	Nil.	As per form-I&J dt 8.1.2017
1e	Balance reserve as on 01/04/20	77759tonnes-(111) &12839(221)	-2031tonnes-(111) &12839(221)	More than reserve exploited.
1f	General remarks of inspecting officers on geology, exploration etc		Depth persistence has been proved upto 17m from pit bottom.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	On the eastern side of ML,48m length,25m width and upto8.5m depth..	As proposed.	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches for top soil and mineral .	Being maintained.	Top soil cover is about 2m height.
2c	Stripping ratio or ore to OB ratio	1.76	As proposed.	Mine closedfor want of EC.
2d	Quantity of topsoil generation in m3	2058tonnes.	As proposed.	Top soil dumped separetly.

2e	Quantity of overburden generation in m3	28600tonnes	Nil.	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		There is no OB only topsoil.	

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One existing pit. On eastern part of ML.48mx25mx8.5 m depth.	As proposed in existing pit on eastern side about 18mx25-30mx8.5m depth.	One existing pit. Dimensions of existing pit 190mx30mx8-10m depth.
3b	Quantity of ROM mineral production proposed	11206tonnesof ROM /7844tonnes of limestone	00tonnes.	Mine is not working since 2016.
3c	Recovery of sailable/usable mineral from ROM production	705 of limestone	00tonnes.	-
3d	Quantity of mineral reject generation	3326tonnes.	00tonnes.	
3e	Grade of mineral rejects generation and threshold value declared.	Country rock granite gneiss.	Country rock granite gneiss.	-
3f	Quantity of sub grade mineral generation.	Nil.	Nil.	-
3g	Grade of sub grade mineral generation	No generation.	Nil.	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual method.	Mine is not working.	

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	Jack hammer operated by compressed air -portable compressor.	As proposed.	Mine is not working.
3k	Provision of mining machineries in mineral benches	Yes.	6m width as proposed.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	5m.	As proposed.	
3m	Total area covered under excavation/pits	1.39hect.	1.00hect.	
3n	Ore to OB ratio for the pit/mine during the year.	1.74	00	No production reported.
3o	Total area put in use under different heads at the end of year	1.74hect.	1.00hect.	
3p	Production of ROM mineral during the last five year period as applicable	Year - Limestone Production in tonnes 2014- 15:14038 2015- 16:31592 2016- 17:7237 2017- 18:7844 2017- 18:7844	Year- Production in tonnes 2013-14:2847 2014-15:1390 2015-16:14505 2016-17:39200 2017-18:00	Violation of rule 11(2) for excess production during the year 2016-17 has been communicated to the lessee on 20.6.2018.
3q	General remarks of inspecting officers on method of mining etc.		Violation of rule 11(2) of 2107 has been communicated to lessee.	Mine is not working since 2016.

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumps proposed allalong trhe boundary .	Maintained on nothrn and southern side of boundary as proposed. .	-
4b	Location of topsoil, OB and mineral reject dumps	On the northwestern side of ML.	As proposed.	-
4c	Number of dumps within lease area and outside of lease area	All along the boundary within ML.	Maintained as proposed.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	All along the boundary of ML within ML.	As proposed within ML.	-
4e	Number of active and alive dumps.	One dump.	Dumpp located within ML.	
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.	No proposal.	Nil.	Nil.
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Nil.	-
4j	Number of settling ponds	No proposal.	Nil.	-
4k	Specific comments of inspecting officer on waste dump management		Dumps maintained within ML.	

## 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 backfilling proposal during the doc period.	Nil.	-

5b	Area under backfilling of mined out area	No proposal.	Nil.	-
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	No proposal.	Nil.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		No proposal of reclamation. Mine is not working.	

#### Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Existing violations are being followedup.	-	Existing violations are being followedup.
6b	Area available for rehabilitation (ha) .	Nil.	Nil.	
6c	afforestation done (ha).	0.010ha	As proposed.	
6d	No. of saplings planted during the year	50nos.	As proposed, about 30nos.	
6e	Cumulative no .of plants	-	About 60nos.	
6f	Any other method of rehabilitation	No proposal.	Nil.	
6g	Cost incurred on watch and care during the year		Not available.	-

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 on backfilled area	No proposal.	Nil.	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil.	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal.	Nil.	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal.	Nil.	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal.	Nil.	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal.	Nil.	



6p	Compliance of environmental monitoring (core zone and buffer zone)	-	Mine is not working.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Mine is not working for want of EC.

---

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	After soprting at mine site.	As proposed.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual.	As proposed.	
7c	Different grade of mineral sorted out at mines.	At mine site	As proposed.	
7d	Any beneficiation process at mines	No proposal.	Nil.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		All grades of mineral is being recovered and soild.	

---

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Stacking of top soil.	As proposed.	

---

8b	Concurrent use or storage of topsoil	Stacking of top soil.	As proposed.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate stacking.	As proposed .	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Nil.	
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)	No proposal.	Nil.	
8g	Survival rate		About 40%..	
8h	Water sprinkling on roads to control airborne dust		Mine is not working.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Plantaion obseved on north and northeastern side of ML .	

---

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Being submitted regularly.	-	-

---

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	-	Mine is not working.	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	0.790hect.	As per part 1 of sl no.12.	-
9d	Scrutiny of Annual return on afforestation	25nos.	furnished under part-V of section no.4.4	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	00tonnes.	furnished under part-V of section no.4.	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	oo tonnes.	furnished under part-VII.	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs.00/-	furnished under part-VI of sl no.2.	No production due to nothaving EC.
9h	Scrutiny of Annual return on fixed assets	Land- Rs.700000/- Residential Rs.180000/-	No Residential/office shed is observed.	-
9k	Scrutiny of Annual return on mining machineries	Nil.	As per para of A R in part-V of section no.4.	No machinery is available.

---

**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
MCDR17	Rule 11(2)	20-JUN-18			

**Date :**

**(A.S.SANJEEVA RAO)**

Indian Bureau of Mines