

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

**MCDR inspection REPORT**

**Chennai regional office**

**Mine file No :** TN/DGL/LST-17.MDS

**Mine code :** 38TMN33032

- (i) Name of the Inspecting : **A027** ) **A.S.SANJEEVA RAO**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Elumalai, Mine Mate  
Official with  
Designation
- (iv) Date of Inspection : 26/09/2017
- (v) Prev.inspection date : 20/10/2016

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **KARIKALI(3.690) HA**
- (b) **Registration NO.** : **IBM/5601/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :  
State : TAMIL NADU  
District : DINDIGUL  
Village :  
Taluka :  
Post office :  
Pin Code :  
FAX No. :  
E-mail : jblimestonemines@gmail.com  
Phone : 2444236;9865256333
- (f) Police Station : Vedasandur
- (g) First opening date : 12/01/1999
- (h) Weekly day of rest : SUN
2. Address for : 14,MULLAVADI THRKU STREET  
correspondance : GUGAI  
SALEM
3. (a) Lease Number : TMN1078
- (b) Lease area : 3.69
- (c) Period of lease : 20
- (d) Date of Expiry : 09/12/2018
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : M.K.ELANGO, PA HOLDER OF J.ABBAS  
14,MULLUVADI THERKU STREET  
GUGAI SALEM SALEM TAMIL  
NADU  
Phone:  
FAX :

Owner : M.K.ELANGO, PA HOLDER OF J.ABBAS  
88, Rajaram salai, KK  
Nagar, Trichy- Trichy  
district TIRUCHIRAPALLI  
TAMIL NADU  
Phone:  
FAX :

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 01/06/2012  
Plan/Scheme of Mining : Mining Scheme rule 12 MCDR1988 30/05/2014

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL.	NIL.	Deposit proved upto
1b	Exploration over lease area for geological axis 1 or 2	Axis-1	Axis-1	-
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	44,563tonnes.	77,692tonnes.	Due to less production during previous years.
1f	General remarks of inspecting officers on geology, exploration etc		Lease is not working due to EC clearance.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit-2	Pit-3.Violation of rule 11(2) of MCDR-2107 has been communicated to lessee on 10.10.2017.	Mine not working. Pit -1 is water logged.Approximate pit dimensions are:Pit-1:85mX45mx20m,Pit-2:32mx30mX10m and Pit-3:18mx20mx10m.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed.	As proposed.	
2c	Stripping ratio or ore to OB ratio	1:3.33	Less than proposed.	Mine is not working.
2d	Quantity of topsoil generation in m3	3600tonnes	Exact details not known,but some development within 100tonnes.	

2e	Quantity of overburden generation in m3	No generation. NIL.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit. Approximately 32mx40mx5m depth in pit no-2	But , production approximately 53mx25mx8m-10m depth in pit no-3.	Deviation to approved proposals observed. Violation of rule 11(2) of MCDR-17 has been communicated to lessee. Mine is not working .
3b	Quantity of ROM mineral production proposed	29952tonnes	18400tonnes	
3c	Recovery of sailable/usable mineral from ROM production	20966tonnes	12855tonnes	
3d	Quantity of mineral reject generation	8986tonnes	5445tonnes	
3e	Grade of mineral rejects generation and threshold value declared.	Country rock as side burden granite gneiss.	No value.	
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.	Mine is not working. However, reported by manual means.	

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	Drilling by Jackhammer ,0.9m burden with 1.4m sapcing for 1.65m depth.	Mine is not working.	-
3k	Provision of mining machineries in mineral benches	Mechanised means by using excavators.	As proposed.	Mine is not working.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6m height with 5m width.	As proposed.	
3m	Total area covered under excavation/pits	2.008hect area.	About 2.00hect area.	-
3n	Ore to OB ratio for the pit/mine during the year.	1:3.33	Less the proposed.	
3o	Total area put in use under different heads at the end of year	3.20.4hect.	About 2.50hect area.	
3p	Production of ROM mineral during the last five year period as applicable	Year- qty in tonnes 2013-14:12600 2014-15:24905 2015-16: 21258 2016-17:20966 2016-17: 20966	Year- qty in tonnes 2013-14:5477 2014-15:15060 2015-16:540 2016-17: 12855	
3q	General remarks of inspecting officers on method of mining etc.		Production is within the approved limits.	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed.	Generation of onlly topsoil and waste no OB.	
4b	Location of topsoil, OB and mineral reject dumps	Eaither asides of northern side of ML and southern end of ML.	As proposed.	
4c	Number of dumps within lease area and outside of lease area	3 dumps within ML.	3 dumps within ML.No dump in outside ML.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	On non mineralised area.	As proposed.	-
4e	Number of active and alive dumps.	All the 3 dumps.	As proposed.	-
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.	
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		Waste is being stacked separetly .	Mine is not working.

#### 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 document period.	NIL.	Mine not reached the economic depth.

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)	Mine has not reached the rehabilitation stage.	NIL.
5d	Total area fully reclaimed and rehabilitated	No proposal.	NIL.
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Mine has not reached economic depth.

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).		Not submitted. Violation of rule 26(2) of MCDR-2017 has been communicated to lessee on 10.10.2017.	
6b	Area available for rehabilitation (ha) .	NIL.	NIL.	
6c	afforestation done (ha).	265sq m area.	As proposed.	-
6d	No. of saplings planted during the year	20nos.	As proposed.	
6e	Cumulative no .of plants		About 100nos.	
6f	Any other method of rehabilitation	No proposal.	NIL.	
6g	Cost incurred on watch and care during the year		No details.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( L x 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	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 in operation.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	At mine site.	As proposed.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Both Mechanised and Manually.	As proposed.	
7c	Different grade of mineral sorted out at mines.		All grades of mineral is being sold.	
7d	Any beneficiation process at mines	No proposal.	NIL.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		All grades of limestone mineral is being sold, no conservation problem.	

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)		Being stacked and used.	-
8b	Concurrent use or storage of topsoil	Proposed.	Used for afforestation partially.	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed.	Maintained separate dumps.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Stacking.	No generation of overburden, topsoil and waste being stacked.	-
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)		About 100 nos.	-
8g	Survival rate	70%	About 50%	
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			Plantation observed on the boundaries of ML.

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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		Advised to furnish the details of mining engineer/geologist .	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details furnished under item 12 of AR.	Details furnished are in-correct. Advised to correct the details.	
9d	Scrutiny of Annual return on afforestation		Details furnished under item 4.4 of AR.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		Verified found OK.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore		Verified found OK.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		Ex-mine price as per the AR is Rs.450/-.	
9h	Scrutiny of Annual return on fixed assets		The details against Residential 160000/- shown is incorrect, advised to correct the ssame.	
9k	Scrutiny of Annual return on mining machineries	AIR COMPRESSOR ONE NO HAVING 140.000 CUM/M NON ELECTRICAL.	Advised to furnish the details.	Mine is not working.

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**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(2)	10/10/2017			
MCDR17	Rule 26(2)	10/10/2017			
MCDR17	Rule 27(2)	10/10/2017			

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

Indian Bureau of Mines