

**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 : S/Sri Navneetakrishnan&Elumalai, Mine Mate
Official with
Designation
- (iv) Date of Inspection : 25/09/2018
- (v) Prev.inspection date : 26/09/2017

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	No proposal.	Not applicable.	
1b	Exploration over lease area for geological axis 1 or 2	Axis-1	Lessee carriedout/put 5 no of bore holes under exploration and proved liestone upto a depth ranging from 12m to 32m.	Form-I&J have submitted vide letter no.NIL dated.10.9.2018.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proosal.	Other than proposals for Rs.147720/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	Not applicable.	-
1e	Balance reserve as on 01/04/20	32417(Geological) 22692(Mineable) 837022(Resources)	118909(Geological) 83237(Mineable) 837022(Resources)	Due to less production in 2014-15 to 2016-17 and no production for 2017-18& 2017-18 upto august 2018.
1f	General remarks of inspecting officers on geology, exploration etc		Lessee has carriedout/put 5 no of bore holes under exploration and proved liestone upto a depth ranging from 12m to 32m RL upto 200m.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Central part of ML ie southern portion of ML from RL 230 to RL 214 for width ranging 20m to 45m.	Mine is not working.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches are proposed.	Separate benches maintained as proposed.	
2c	Stripping ratio or ore to OB ratio	1:3.33	Nil, as mine is not in operation.	

2d	Quantity of topsoil generation in m3	1000m3	Nil,as mine not in operation.
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		Mine is not in operation for want of EC clearance.Violation of rule 28(1) of MCDR-2017 is being communicated to lessee.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit ie pit-2.	Nil.	
3b	Quantity of ROM mineral production proposed	ROM-30940tonnes	ROM-Nil.	
3c	Recovery of sailable/usable mineral from ROM production	70% of ROM.	Nil.	
3d	Quantity of mineral reject generation	Mineral reject-9282tonnes.	Nil.	
3e	Grade of mineral rejects generation and threshold value declared.	Country rock-Gneissic rocks.	Nil.	
3f	Quantity of sub grade mineral generation.	Nil.	Not applicable.	
3g	Grade of sub grade mineral generation	Nil.	Nil.	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual/Mechanised	Mine not in operation.	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Not applicale.	
3j	Provision of drilling and blasting in mineral benches	Occasionally.	Nil.	
3k	Provision of mining machineris in mineral benches	Proposed.	Mine not in operation.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height is 4m.	As proposed.	
3m	Total area covered under excavation/pits	2.008 hect.	About 1.50hect	
3n	Ore to OB ratio for the pit/mine during the year.	1:3.33	Nil.	
3o	Total area put in use under different heads at the end of year	2.008hect.	About1.50hect	-
3p	Production of ROM mineral during the last five year period as applicable	Year -ROM Production in tonnes	Year -ROM Production in tonnes	Production is within approved quantites.
			2014-15: 21514 2015-16: 771 2016-17:18364 2017-18: Nil 2018-19:Nil as on 31.8.2018	
		2014-15:35578 2015-16:30368 2016-17:29952 2017-18:30940 2018-19:32417		
3q	General remarks of inspecting officers on method of mining etc.		Mining carriedout systematic manner as proposed within proposed limits.	

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Dumps on southern side of ML.	Dumps maintained on southern side of ML.	-
4b	Location of topsoil, OB and mineral reject dumps	On southern side of ML.	As proposed on southern side within ML.	
4c	Number of dumps within lease area and outside of lease area	Two dum ps within ML.	As proposed.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	On non mineralised area.	As propopsed on non mineralised area.	
4e	Number of active and alive dumps.	Two active dumps.	Two active dumps and no dead dump.	
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.	Nil.	Nil.	
4i	Length of Retaining wall or garland drain all along dumps	Nil.	Nil.	
4j	Number of settling ponds	Nil.	Nil.	
4k	Specific comments of inspecting officer on waste dump management		Existing dumps are maintained properly 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 back filling proposed.	Not applicable as mining is going.	-

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.	Mine not in operation from 2017 onwards.
5d	Total area fully reclaimed and rehabilitated	Nil.	Nil.
5e	General remarks of inspecting officers on backfilling and reclamation etc.		No proposal of back filling and mine not in operation from 2017 onwards.

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).	Yes.	submitted.	
6b	Area available for rehabilitation (ha) .	Nil.	Nil.	
6c	afforestation done (ha).	0.0265ha	About 0.0265ha.	
6d	No. of saplings planted during the year	20nos.	As proposed 20nos.	
6e	Cumulative no .of plants	100nos.	About 60nos.	
6f	Any other method of rehabilitation	No proposal.	Nil.	
6g	Cost incurred on watch and care during the year	Not available.	Nil.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal of back filling.	Nil.	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal of Nil. back filling.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal of Nil. back filling.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal of Nil. back filling.
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal of Nil. back filling.
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal of Nil. back filling.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposal of Nil. back filling.
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal of Nil. reclamation/rehabilitation or back filling.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Mine is not working. Nil.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No proposal of back filling under reclamation. Mine is not working since 2017.
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Mineral Conservation:

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

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Storage.	No top soil generation during the year.	
8b	Concurrent use or storage of topsoil	Storage.	As proposed.	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Waste and mineral reject stacked separately.	As proposed stacked separately.	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Not applicable.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	Not Applicable.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	100nos	About 75nos.	
8g	Survival rate	About 70%.	As proposed 70%.	
8h	Water sprinkling on roads to control airborne dust	Mine is not working.	Not applicable.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Platation observed all along the boundaries of ML.	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Being submitted regularly.	Monthly returns are being submitted rregularly.	Mine closed since January,2017.Viola tion of rule 28(1)of MCDR-2017 is beeing communicated to the lessee.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Mine closed since 2017.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil area for all items.	Aunder pits about 1.03hect Reclaimed-Nil. Dumps-about0.47hect. Green Belt- about0.12hect.
9d	Scrutiny of Annual return on afforestation	15nos. as per sl no.4.4 of Part - V .	About 20no planted
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	Nil.	Opening stock:11744.065tonnes
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Production:Nil Sale value:Nil. Ex-mine price (in . Per Tonne):450	Mine not in operation.
9h	Scrutiny of Annual return on fixed assets	(i) Land - Rs.1100000/- Residential- Rs. 140000/-	Small office is maintained at ML area.
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 couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 28(1)	08/10/2018			

Date :

(A.S.SANJEEVA RAO)

Indian Bureau of Mines