

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

MCDR inspection REPORT

Chennai regional office

Mine file No : TN/KAR/LST-20.MDS

Mine code : 38TMN28019

- (i) Name of the Inspecting : **A027**) **A.S.SANJEEVA RAO**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Duraisamy,Rep.,of lessee
Official with
Designation
- (iv) Date of Inspection : 08-JUN-18
- (v) Prev.inspection date : 19-OCT-15

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **VARAVANAI(3.86HA)**
- (b) **Registration NO.** : **IBM/10613/2012**
- (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 : murugasannamakkal@gmail.com
- Phone : 9442279222
- (f) Police Station : Varavanai
- (g) First opening date : 19-NOV-01
- (h) Weekly day of rest : SUN
2. Address for : VARAVANAI VILL
correspondance KULITALAI TK
KARUR DT.
3. (a) Lease Number : TMN0830
- (b) Lease area : 3.86
- (c) Period of lease : 20
- (d) Date of Expiry : 07-MAR-22
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : P.MURUGESAN
PUDHUVALASU SOWDHAPURAM
TIRUCHENGODE TK NAMAKKAL
TAMIL NADU
Phone:
FAX :

Owner : P.MURUGESAN
PUDHUVALASU SOWDHAPURAM
TIRUCHENGODE TK NAMAKKAL
TAMIL NADU
Phone:
FAX :

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 14-AUG-12
Plan/Scheme of Mining : MP review under 17(1) MCR 2016 27-SEP-16

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 depth.
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.	Reserve estimated upto 17m depth.
1e	Balance reserve as on 01/04/20	432786tonnes-(111) 149235+182941 (221)	432786tonnes-(111) 149235+182941(221)	Depth persistence has been proved upto 17m depth.
1f	General remarks of inspecting officers on geology, exploration etc			Depth persistence has been proved upto 17m depth.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In central part of existing pit 50mx70mx4m height	As proposed.	Mine is not working.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches for top soil and mineral .	Being maintained.	Top soil cover is thin less than 1m height.
2c	Stripping ratio or ore to OB ratio	0.8	-	No production raised during the year.
2d	Quantity of topsoil generation in m3	7100	Nil.	Nil.

2e	Quantity of overburden generation in m3	28600	Nil.	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		There is no over burden , top soil generation during the year.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One existing pit.Central part of ML.50mx110mx9m depth.	As proposed in existing pit in the central part of pit about 40mx45mx8m depth.	One pit .Dimensions of existing pit about 190m lengthx30m-50m width x upto 10m depth.
3b	Quantity of ROM mineral production proposed	68016tonnes of ROM	00 tonnes	Mine is not working.
3c	Recovery of sailable/usable mineral from ROM production	70% of limestone	00 tonnes	-
3d	Quantity of mineral reject generation	4284 tonnes	00 tonnes	
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.	No generation.	Nil.	-
3g	Grade of sub grade mineral generation	Nil.	Nil.	-
3h	Manual / Mechanised method adopted for segregating from ROM	Open cast-A OTFM method.	As proposed.	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 maintained.	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	4m	As proposed.	-
3m	Total area covered under excavation/pits	2.06hect.	0.86hect.	-
3n	Ore to OB ratio for the pit/mine during the year.	0.82	-	There is noproduction during the year.
3o	Total area put in use under different heads at the end of year	1.06hect.	0.86hect.	
3p	Production of ROM mineral during the last five year period as applicable	Year -ROM Production in tonnes 2014- 15:30160 2015- 16:30914 2016- 17:67933 2017- 18:65520	Year -ROM Production in tonnes 2014-15:117 2015-16:150 2016-17: 00 2017-18: 00	Production is less than proposed quantity within area proposed.
3q	General remarks of inspecting officers on method of mining etc.			Mine is not working since january,2017.

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumps proposed.	Maintained as proposed.	On the north eastern corner of ML.
4b	Location of topsoil, OB and mineral reject dumps	On the northeastern corner of ML.	As proposed.	Top soil cover is about 1-1.5m height.
4c	Number of dumps within lease area and outside of lease area	One dump within ML.	Maintained 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.	One dump .	Dump 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.	-
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Nil.	-
4j	Number of settling ponds	Nil.	Nil.	-
4k	Specific comments of inspecting officer on waste dump management		Dumps maintained as proposed.	Mine is not working for want of EC.

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	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	No proposal.	Nil.	Mine not reached economic depth.
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Mine is not working.	Mine is not working since January, 2017.

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) .	No proposal.	Nil.	
6c	afforestation done (ha).	200sq meters.	As proposed.	
6d	No. of saplings planted during the year	20 no of saplings.	15nos	
6e	Cumulative no .of plants	Nil.	25nos.	-
6f	Any other method of rehabilitation	No proposal.	Nil.	
6g	Cost incurred on watch and care during the year	Nil.	No details.	

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)	Nil.	Mine is not working .	Mine is not working.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Proposals are being carried out. Mine is not working.	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area		At mine site.	Mine is not working.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual separation.	As proposed .	
7c	Different grade of mineral sorted out at mines.	At mine site.	As proposed .	-
7d	Any beneficiation process at mines .	No proposal.	Not required .	All grades of Limestone being recovered.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			All grades of Limestone being recovered .

Environment:

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

8b	Concurrent use or storage of topsoil	Storage.	Partly used for afforestation.	
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)		About 20 nos.	-
8g	Survival rate	About 80%	About 60%	-
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 the southern side 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.	Mine closed since January, 2017.

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.	Nil.	As per part-I ofsl.3.	
9d	Scrutiny of Annual return on afforestation	30 nos.	Furnished as per part-V of sl no.4.4.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil.	Furnished as per part-V of sl no.4.2.	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil.	Furnished as per part-VI of sl no.1.	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Mine is not working since 2017.	
9h	Scrutiny of Annual return on fixed assets	Land- Rs.3,00,000 Residential- 15,00,000	No residence /office is available in MLarea.	-
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 cause position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date :

(A.S.SANJEEVA RAO)

Indian Bureau of Mines