

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/PT/LST-4.MDS

Mine code : 38TMN24018

- (i) Name of the Inspecting : **A027**) **A.S.SANJEEVA RAO**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Muthukaruppan,Less's rep[resentatrive &Balamuruga
Official with
Designation
- (iv) Date of Inspection : 14-JUL-17
- (v) Prev.inspection date : 16-JUN-07

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PERALI**
- (b) **Registration NO.** : **IBM/9569/2012**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : TAMIL NADU
- District : PERAMBALUR
- Village : PERALI SOUTH
- Taluka : KUNNAM
- Post office : PERALI
- Pin Code :
- FAX No. : 0431-2670042
- E-mail : dcplmaruthi@gmail.com
- Phone : 0431-26700224
- (f) Police Station : Maruvathur
- (g) First opening date : 06-OCT-99
- (h) Weekly day of rest : SUN
2. Address for : 69,GANAPATHY NAGAR
correspondance T.V.KOIL
TRICHY-620005
3. (a) Lease Number : TMN1157
- (b) Lease area : 1.92
- (c) Period of lease : 20
- (d) Date of Expiry : 16-DEC-17
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : SMT.SATHAMMAI
 69,GANAPATHY NAGAR T.V.KOIL
 TRICHY TIRUCHIRAPALLI TAMIL
 NADU
 Phone:0431-432882
 FAX :

Owner : SMT.SATHAMMAI
 69,GANAPATHY NAGAR T.V.KOIL
 TRICHY-620005
 TIRUCHIRAPALLI TAMIL NADU
 Phone:
 FAX :

Mining Engineer

Name : M.MOHAMMAD HUSSIAN,Full Time
 Qualification : BE(MIN) II ND CLASS MM
 Appointment/ : 09-JUL-02
 Termination date

Geologist

Name : S.SUBRAMANIAM,Full Time
 Qualification : MSC(GEOLOGY)
 Appointment/ : 28-JUN-02
 Termination date

Manager

Name : RAJA MANDHARAN
 Qualification : BE (MIN)
 Appointment/ : 28-JUN-02
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	19-JUL-04
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	01-JUL-14

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL.	NIL.	Carriedout in previous document period.
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	8617tonnes	22600tonnes	Due to production of 4690tonnes during the document period.
1f	General remarks of inspecting officers on geology, exploration etc		Lease not working due to EC clearence.	Mine not working.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In central part of ML on northern side.	Mine not working.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed.	As proposed 1m height in top soil and 3m height in ore.	-
2c	Stripping ratio or ore to OB ratio	01:06.6	Mine not working.	-
2d	Quantity of topsoil generation in m3	2925 Sq mts	Nil.	
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 not working.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One.	One.	No production as mine is not working .
3b	Quantity of ROM mineral production proposed	5850tonnes	Nil.	
3c	Recovery of sailable/usable mineral from ROM production	4973tonnes	Nil.	
3d	Quantity of mineral reject generation	878tonnes.	Nil.	
3e	Grade of mineral rejects generation and threshold value declared.	CaO-47.35%.	CaO-47.35%.	
3f	Quantity of sub grade mineral generation.	Nil.	Nil.	
3g	Grade of sub grade mineral generation	NIL.	Not applicable.	-
3h	Manual / Mechanised method adopted for segregating from ROM	Manual method.	As proposed.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed.	MNot applicable.	
3j	Provision of drilling and blasting in mineral benches	Drilling by using Jack hammer	As proposed.	

3k	Provision of mining machineries in mineral benches	Manual means.	As proposed.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes.	As proposed.	
3m	Total area covered under excavation/pits	0.689hect	About 0.4hect.	
3n	Ore to OB ratio for the pit/mine during the year.	01:06.6	No production raised.Mine is not working.	
3o	Total area put in use under different heads at the end of year	0.689hect	0.55hect.	
3p	Production of ROM mineral during the last five year period as applicable	Year- qty in tonnes 2014-15: 6300 2015-16: 6300 2016-17: 5850 2017-18: 5850	Year- qty in tonnes 2014-15: 3850 2015-16: 840 2016-17: 00 2017-18: '- "	Mine is not working.
3q	General remarks of inspecting officers on method of mining etc.			Production is within limits. Mine is not working for want of EC.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)			
4b	Location of topsoil, OB and mineral reject dumps	On the western side of ML.	As proposed.	

4c	Number of dumps within lease area and outside of lease area	One on the western side, within ML.	As proposed.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	On the western side of ML.	Within ML.	
4e	Number of active and alive dumps.	One active dump.	As proposed.	-
4f	Number of dead dumps.	Nil.	Nil.	-
4g	Number of dumps established.	Nil.	Not applicable.	-
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	Nil.	Nil.	
4j	Number of settling ponds	Nil.	Nil.	
4k	Specific comments of inspecting officer on waste dump management		Not much qty is available.	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 doc period.	Nil.	Mine not reached economic depth.
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)	959tonnes	Nil.	Mine is not working.

5d	Total area fully reclaimed and rehabilitated	No proposal.	Nil.	Nil.
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Mine not reached economic depth.

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. Violation of rule 26(2) of MCDR-2017 has been communicated to less on 25.7.2017.	
6b	Area available for rehabilitation (ha) .	Nil.	Nil.	-
6c	afforestation done (ha).	140sq m area.	As proposed.	-
6d	No. of saplings planted during the year	15nos.	10nos.	
6e	Cumulative no .of plants	-	50nos.	
6f	Any other method of rehabilitation	Nil.	Nil.	-
6g	Cost incurred on watch and care during the year	No proposal.	Nil.	
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 on plantation done. backfilling.		
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)		It is a small mine and not in operation.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			It is a small mine and not in operation.

Mineral Conservation:

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

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)		Being stacked separtely.	Thin cover of top soil is available.
8b	Concurrent use or storage of topsoil	For afforestation.	As proposed.	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed.	Top soil dump.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use		Deposit is shallow 6m depth.	

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 50 nos.	-
8g	Survival rate		70%	About 70%.
8h	Water sprinkling on roads to control airborne dust	-	-	Mine not working.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantation observed on 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.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Advised to furnish the mining engineer/geologist details.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Details furnished under item 12 of AR.	
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 .	Nil.As there is no generation.	-
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		Verified .	
9h	Scrutiny of Annual return on fixed assets		Nil.	There are no assets at ine site.
9k	Scrutiny of Annual return on mining machineries		Verified .	There are no separate memechinary to this mine, and deployed from other mines of lessee.

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 26(2)	25-JUL-17	10-AUG-17				
MCDR17	Rule 54(a)	25-JUL-17	10-AUG-17				

Date :

(A.S.SANJEEVA RAO)

Indian Bureau of Mines