

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/KAR/LST-23.MDS

Mine code : 38TMN28025

- (i) Name of the Inspecting : **A027**) **A.S.SANJEEVA RAO**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 15/10/2015
- (v) Prev.inspection date : 08/12/2008

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MELAPAGUTHI(1.63HA)**
- (b) **Registration NO.** : **4927/2011**
- (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 :
- Phone : 9443126726
- (f) **Police Station** :
- (g) **First opening date** : 01/01/2001
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : D/364,Ist CROSS
ANNA NAGAR, THENNOR
TRICHY - 620017
3. (a) **Lease Number** : TMN0822
- (b) **Lease area** : 1.63
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 06/06/2022
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : E.DHANAPAL
D/364, FIRST CROSS ANNA
NAGAR, THENNUR TRICHY
TIRUCHIRAPALLI TAMIL NADU
Phone:
FAX :

Owner : E.DHANPAL
D/364,IST CROSS ANNA NAGAR
TRICHY TIRUCHIRAPALLI TAMIL
NADU
Phone:
FAX :

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 07/10/2011
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	3 bore holes	Not carriedout	Mine not working (operations discontinued.)
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	N.A	N.A	Only further depth to be proved.
1e	Balance reserve as on 01/04/20	18472tonnes	18472tonnes	-
1f	General remarks of inspecting officers on geology, exploration etc	The proposal given were found adequate.	The proposals of exploration not completed.	Reserve assessed to a depth of 10.5m.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Central part of ML.	Nil.	Operations discontinued.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	1 top soil bench.	1 top soil bench.	-
2c	Stripping ratio or ore to OB ratio	1:0.75	-	No production due to discontinuence of mining operations.
2d	Quantity of topsoil generation in m3	NIL.	-	-
2e	Quantity of overburden generation in m3	NIL.	-	-

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NIL.	The mine is developed.	-
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	-
3b	Quantity of ROM mineral production proposed	5460tonnes of ROM Lst-3822 tonnes	NIL.	
3c	Recovery of sailable/usable mineral from ROM production	70%	-	-
3d	Quantity of mineral reject generation	1638tonnes.	NIL	-
3e	Grade of mineral rejects generation and threshold value declared.	NIL.	NIL.	-
3f	Quantity of sub grade mineral generation.	N.A.	N.A.	-
3g	Grade of sub grade mineral generation	N.A.	N.A.	-
3h	Manual / Mechanised method adopted for segregating from ROM	Manual.	As proposed.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	N.A.	N.A.	-
3j	Provision of drilling and blasting in mineral benches	By using Jack hammer.	As proposed.	-

3k	Provision of mining machineries in mineral benches	NIL.	NIL.	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes.	yes.	
3m	Total area covered under excavation/pits	0.63hect.	0.63hect.	-
3n	Ore to OB ratio for the pit/mine during the year.	1:0.42	As proposed.	-
3o	Total area put in use under different heads at the end of year	1.63hect	1.57hect	-
3p	Production of ROM mineral during the last five year period as applicable	2010-11:00 2011-12:3633 2012-13:3345 2013-14:3745 2014-15:3822	2010-11:2134 2011-12:5535 2012-13:6075 2013-14:8170 2014-15:00	-
3q	General remarks of inspecting officers on method of mining etc.			Mining operations discontinued and pit is water logged.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NIL.	No top soil dump.	-
4b	Location of topsoil, OB and mineral reject dumps	Reject dump on southern side.	As proposed.	
4c	Number of dumps within lease area and outside of lease area	2Nos within the lease.	2Nos within the lease.	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Northern side. Northern side.	
4e	Number of active and alive dumps.	2nos.	2nos.
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.	Retaining wall.	Developed.
4i	Length of Retaining wall or garland drain all along dumps	Nil.	About 10 Mtrs .
4j	Number of settling ponds	Nil.	Nil.
4k	Specific comments of inspecting officer on waste dump management	Proposal is adequate.	The proposal is being followed.

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.	Nil.	Nil.	Mine not reached ultimate level.
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	Nil.	Nil.	-

5e	General remarks of inspecting officers on backfilling and reclamation etc.	Nil.	Nil.	Nil.
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Progressive Mine Closure Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	As proposed in the document.	Submitted.	-
6b	Area available for rehabilitation (ha) .	Nil.	Nil.	
6c	afforestation done (ha).	0.01hect.	0.01hect.	
6d	No. of saplings planted during the year	10nos.	10nos.	
6e	Cumulative no .of plants	50nos	45nos.	
6f	Any other method of rehabilitation	Nil.	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			
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	The proposal given.		Mine discontinued.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Nil.	Nil.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Nil.	Nil.	
7c	Different grade of mineral sorted out at mines.	Nil.	Nil.	
7d	Any beneficiation process at mines .	Nil.		No beneficiation method is in practice.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil.	Used for afforestation.	
8b	Concurrent use or storage of topsoil	-	Used for afforestation.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil.	Nil.	OB dump on the southern side within ML of 03 mtrs height.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil.	Nil.	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil.	Nil.	-

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	25 saplings / 150sq m	45 Tress in 100sq m	
8g	Survival rate	70%	40%	
8h	Water sprinkling on roads to control airborne dust	By watering.	By watering .	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The area is dry and arid.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		No M.R. submitted from the year 2014.Violation of rule 45(5)(a)&(b)MCDR-88 have been communicated on 21.102.2015.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	-	-	Mine not working.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		No AR received ,violation has been communicated.	

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
Rule 24	18/12/2015				
Rule 45(5)(a)	18/12/2015				
Rule 45(5)(b)	18/12/2015				

Date :
(A.S.SANJEEVA RAO)

Indian Bureau of Mines