

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

MCDR inspection REPORT

Chennai regional office

Mine file No : TN/PBR/LST-48/MDS

Mine code : 38TMN38023

- (i) Name of the Inspecting : **T028**) **T.PHALTHURAJHEN**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : SRI.MADHAVAN, MINING MATE.
Official with
Designation
- (iv) Date of Inspection : 10/03/2017
- (v) Prev.inspection date : 29/12/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **ALANTHURAIYARKATTALAI(4.8**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : TAMIL NADU
District : ARIYALUR
Village :
Taluka :
Post office :
Pin Code :
FAX No. :
E-mail :
Phone : 2433019
- (f) Police Station :
- (g) First opening date : 29/01/2009
- (h) Weekly day of rest : SUN
2. Address for : PLOTNO.28,DOORNO.221, GANAPATHYNAGAR EXTN,
correspondance MAMBALAI SALAI,TRICHY-620005.
3. (a) Lease Number : TMN1047
- (b) Lease area : 4.88
- (c) Period of lease : 20
- (d) Date of Expiry : 26/11/2028
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : C.R.S.RAMACHANDRAN
POT NO.28, DOOR NO.221,
GANAPATHY NAGAR WEST
EXTENSION, TRICHY
TIRUCHIRAPALLI TAMIL NADU
Phone:0431-2431502,2433019
FAX :

Owner : C,R.S.RAMACHANDRAN
PLOTNO.28,DOOR NO.221
GANAPATHINAGAR EXN.,
MAMBALAI SALAI TRICHY.5.
ARIYALUR TAMIL NADU
Phone:
FAX :

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 24/07/2013
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	NA	
1b	Exploration over lease area for geological axis 1 or 2	G1	G1	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NA	
1e	Balance reserve as on 01/04/20	233308 ts of ROM and 221643 Ts of recoverable reserves	243950 TS OF ROM AND 231753 TS OF RECOVERABLE RESERVES	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	From 100 m RL -71.5 m RL	As proposed from RL100 m- 71.5 m RL	-
2c	Stripping ratio or ore to OB ratio	1:0.08	1:0.08	
2d	Quantity of topsoil generation in m3	Nil	NA	
2e	Quantity of overburden generation in m3	59100 Ts	59100 TS	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	Development carried out as proposed	-Development carried out as proposed

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	Entire ML area	As proposed	.

3b	Quantity of ROM mineral production proposed	2013-14=227642 ts ,2014-15=434320 ts ,2015-16=233308 ts , 2016-17=243950 ts	2013-14=216260 ts 2014-15=412604 ts 2015-16=221643 ts , 2016-17=231753 ts	Annual production within the approved limits .
3c	Recovery of saleable/usable mineral from ROM production	95%	AS proposed	
3d	Quantity of mineral reject generation	11665 ts for 2015-16 12198 ts for 2016-17	Total mineral reject from 2013-14 to 2016-17- 56961 ts	
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL	
3f	Quantity of sub grade mineral generation.	NIL	AS proposed	
3g	Grade of sub grade mineral generation	NIL	As proposed	.
3h	Manual / Mechanised method adopted for segregating from ROM	MANUAL	MANUAL	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NA	
3j	Provision of drilling and blasting in mineral benches	BY using jack hammer	As proposed	
3k	Provision of mining machineries in mineral benches	Yes	Proposed	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	bench height as 2.5 m	As proposed	

3m	Total area covered under excavation/pits	1.16.0 ha	1.16.0 HA	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.12	1:0.12	
3o	Total area put in use under different heads at the end of year	mining 1.16.0 ha ,waste dump -1.20.0 ha , roads - 0.15.0 ha	MINING1.16.0 HA , WASTE DUMP1.18, ROADS0.13 HA	
3p	Production of ROM mineral during the last five year period as applicable	2013-14=227642 ts ,2014-15=434320 ts , 2015-16-233308 ts ,2016-17-243950 ts	2013-14=216260ts ,2014-15=412604 ts ,2015-16=16221643 ts ,2016-17-231753Ts	
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
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No top soil	as proosed	
4b	Location of topsoil, OB and mineral reject dumps	Barren area on the westen and souteasten side	Barren area on the westen and souteasten side	.
4c	Number of dumps within lease area and outside of lease area	within the lease -02, dumps, outside lease -01 dump.	AS proposed	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	westernside of ml within the lease	AS proposed	
4e	Number of active and alive dumps.	01	01	
4f	Number of dead dumps.	NIL	NIL	
4g	Number of dumps established.	Two	As proposed	

4h	Whether Retaining wall or garland drain all along dumps are there.	Parapet wall	About 120 m		
4i	Length of Retaining wall or garland drain all along dumps	140 m	Maintained as proposed		
4j	Number of settling ponds	NIL	NA		
4k	Specific comments of inspecting officer on waste dump management	Proposal given being followed is adequate .	Proposal folowed	Given geing adequate.	

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 proposal	NA	
5b	Area under backfilling of mined out area	NO proposal	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	
5d	Total area fully reclaimed and rehabilitated	No proposal	NA	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	mine has reached Economical depth

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	-	ANNUAL RETURNS SUBMITTED	
6b	Area available for rehabilitation (ha) .	Yes , proposed 0.10.0 ha	200 saplings , incurred as Rs 5000/	Expent.
6c	afforestation done (ha).	yes	PROPOSED TO PLANT CASURINA TREES PER YEAR	40 -
6d	No. of saplings planted during the year	200 nos. saplings Proposed	150 nos. planted	
6e	Cumulative no .of plants	-		About 200 nos , of saplings planted
6f	Any other method of rehabilitation	NA	NA	
6g	Cost incurred on watch and care during the year	Rs.5000/	Rs. 5000/	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NO proposal	NA	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NIL	NIL	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL	

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NIL	NIL	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NA	NA	-
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA	
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)	-	being maintained peridically	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	-

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral	As proposed rom mineral	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	MANUAL	MANUAL	-
7c	Different grade of mineral sorted out at mines.	ALL grades and sizes are recovered	AS proposed	

7d	Any beneficiation process at mines	No proposal	AN	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	All grades And sizes are being recovered

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	No generation	
8b	Concurrent use or storage of topsoil	No proposal	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps are proposed	AS proposed	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Na	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	200 nos. of saplings planted	
8g	Survival rate	-	80%	

8h	Water sprinkling on roads to control airborne dust	-	being followed	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	greenary developed along with the lease boundary.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	-	ANNUAL RETURNS SUBMITTED	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	-	-	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	-	mining =1.16.0 ha waste dump =1.28.0 ha Roads, =0.15.0 ha	
9d	Scrutiny of Annual return on afforestation	-	70 nos. of saplings planted	Greenary along with the lease boundary.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	-	NOT AVAILABLE	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	-	500 TS	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	-	RS.130/	-
9h	Scrutiny of Annual return on fixed assets	-	NIL	NIL

9k Scrutiny of - TIPPER , POCLAIN ,
Annual return on AIRCOMPRESSOR .
mining
machineries

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 :

(T.PHALTHURAJHEN)

Indian Bureau of Mines