

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

MCDR inspection REPORT

Chennai regional office

Mine file No : TN/TNL/LST-70.MDS

Mine code : 38TMN15065

- (i) Name of the Inspecting : **T028**) **T.PHALTHURAJHEN**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Mr.PALSAM Y, SUPERVISOR
Official with
Designation
- (iv) Date of Inspection : 30/01/2017
- (v) Prev.inspection date : 01/01/2010

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **REVATHI**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : TAMIL NADU
District : TIRUNELVELI
Village :
Taluka :
Post office :
Pin Code :
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date : 05/01/1998
- (h) Weekly day of rest : SUN
2. Address for : 393 , CHURCH STREET
correspondance : MADURAI ROAD
SANKAR NAGAR-637357
3. (a) Lease Number : TMN1259
- (b) Lease area : 1.21
- (c) Period of lease : 20
- (d) Date of Expiry : 08/12/2017
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : K.MURUGESAPANDIAN, OWNER
CHURCH STREET MADURAI ROAD
SANKAR NAGAR-627357
TIRUNELVELI TAMIL NADU
Phone:
FAX :

Owner : K.MURUGESAPANDIAN ,OWNER
393, CHURCH STREET MADURAI
ROAD SANKARNAGAR
TIRUNELVELI TAMIL NADU
Phone:
FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	21/02/2007
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	03/08/2012

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	3.DRILL anger drill holes of 100 mm. dia to a depth of 30.0 m from working pit.	Four holes a depth of about 9.0 m from the RL 77.0 m to 68.0 m RL level of the present working pit.	.
1b	Exploration over lease area for geological axis 1 or 2	G-1	G-1	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year			
1d	Balance area to be explored to bring Geological axis in 1 or 2	0.212 HA	0.21.2 HA	
1e	Balance reserve as on 01/04/20	1456 TS OF rom LST. AND rom MG.LST. 416 TS of recoverables	1019 ts of production 70% of Lst. ROM and 291 ts 70 % of MGLst. of Rom .	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	from 100 m RL -77.0 m RL	as proposed from 100 m -77.0 RL	from RL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate proposals	B-cat. manual.	
2c	Stripping ratio or ore to OB ratio	1:1.29	1:1.29	
2d	Quantity of topsoil generation in m3	Nil	NA	
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	-	Development carried as proposed	Development carried as proposed
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	ENTire Ml area	AS proposed	
3b	Quantity of ROM mineral production proposed	ROm lst Rom mg.lst 2012-13-1581- 1581 2013-14=372 1802 2014-15=4319 4332 2015-16=1456- 416 2016-17=325- 3549	Production 70% of lst Production 70% of mg.lst =1107 ts ,1261, 3032 , 291, 2484 ts 2012-13=1107 2013-14=260 2014-15=3024 2015-16=1019 2016-17=228	
3c	Recovery of sailable/usable mineral from ROM production	70 %	AS proposed	
3d	Quantity of mineral reject generation	Nil	NA	
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	AS proposed	
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	2.5 m bench height	As proposed	
3m	Total area covered under excavation/pits	1.00.3 ha	1.00.3 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:1.29	1:1.29	
3o	Total area put in use under different heads at the end of year	mining =1.003 ha infrastru=0.01 .0 ha roads=0.10.0 ha plantation =0.05.2 ha	mining =1.003 ha infrastru=0.01.0 ha roads=0.10.0 ha plantation =0.05.2 ha	
3p	Production of ROM mineral during the last five year period as applicable	2012-13=1107,2013-14=260, 2014-15=3024, 2015-2016=1019, 2016-17=228 tS	2012-13=1107,2013-14=1261, 2014-15=3032. 2015-16=291, 2016-17 =TS2484	
3q	General remarks of inspecting officers on method of mining etc.	-	-	Prpduction 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	AS proposed	
4b	Location of topsoil, OB and mineral reject dumps	barren area on the Southwestern , south , North and Eastern side	barren area on the Southwestern , south , North and Eastern side	
4c	Number of dumps within lease area and outside of lease area	01 dump	As proposed	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Southern side of ML with in 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.	One	As porposed	
4h	Whether Retaining wall or garland drain all along dumps are there.	parapetwall	About 203 m	
4i	Length of Retaining wall or garland drain all along dumps	160 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 followed	given being 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 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).	-	Annual return wil be submitted by the lessee by every year july 15, so, not yet receive the same till date.	
6b	Area available for rehabilitation (ha) .	Yes , proposed, 0.05.0 ha	125 saplings incurred Rs 5000/	
6c	afforestation done (ha).	yes ,proposed	Proposed to planted 25 cssurina trees per year ,0.01.0 ha incurred rs.1000/	
6d	No. of saplings planted during the year	125 nos. saplings proposed	As proposed of 125 no. of saplings planted .	
6e	Cumulative no .of plants	-	- about 125 no .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 periodically	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-		Proposal are adequate AR report on PMCP will be submitted in the month of july 15 of every year.

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

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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)	-	125 no 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 develop along with lease boundary.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	The lessee will be submite AR for year 2017 in the month of july 2017.		

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 =1.00.3 ha , infrastructure =0.01.0 ha , roads 0.10.0 ha plantation =0.05.0 ha	.
9d	Scrutiny of Annual return on afforestation	-	NA	NIL
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	-	Opening stock 69.760 ts , closing stock=69.00 ts	nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	-	NA	na
9h	Scrutiny of Annual return on fixed assets	-	Rs=3,80,000/	nil
9k	Scrutiny of Annual return on mining machineries	nil	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

Date :

(T.PHALTHURAJHEN)

Indian Bureau of Mines