

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

MCDR inspection REPORT

Chennai regional office

Mine file No : TN/ALR/LST-5.MDS

Mine code : 38TMN38008

- (i) Name of the Inspecting : **T028**) **T.PHALTHURAJHEN**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : **SRI.ARUL PRAKASH -GEOLOGIST**
Official with
Designation
- (iv) Date of Inspection : 10-APR-18
- (v) Prev.inspection date : 10-MAR-17

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **ALAANTHURAIKATTALAI**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : TAMIL NADU
District : ARIYALUR
Village : ALAANTHURAIKATTALAI
Taluka : ARIYALUR
Post office : VIGRAMANGALAM
Pin Code :
FAX No. :
E-mail :
Phone : 0431-2670177/2431502
- (f) Police Station : ARIYALUR
- (g) First opening date : 29-JAN-09
- (h) Weekly day of rest : SUN
2. Address for : Plot No. 28 Room No. 221,Ganapathy Nagar,
correspondance Thiruvanaikovil,
Tiruchirappalli.
3. (a) Lease Number : TMN1048
- (b) Lease area : 4.45
- (c) Period of lease : 20
- (d) Date of Expiry : 26-NOV-28
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : C R SHANMUGAM
PLOT NO-28, DOOR NO-221,
GANAPATHY NAGAR EXTENSION,
MAMBHAZHASALAI
TIRUCHIRAPALLI TAMIL NADU
Phone:
FAX :

Owner : C.R.SHANMUGAM
M/S.SRI RAM CHEMICAL
221,GANAPATHI NAGAR eXTN.
MAMBAZHASALAI, TRICHY.
TIRUCHIRAPALLI TAMIL NADU
Phone:
FAX :

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 04-JUL-13
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	16CORE DRILLS UP25 M DEPTH	FIVE CORE DRILLS OF 19.5 M DEPTH	NIL
1b	Exploration over lease area for geological axis 1 or 2	G1	G1	NIL
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NA	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NA	NIL
1e	Balance reserve as on 01/04/20	ROM-544456 TS	LST.RECOVERY-95 %=517233 TS	-

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	from100 m Rl- 67 m RL	m RLAs proposed from RL100m -	nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	nil	nil	nil
2c	Stripping ratio or ore to OB ratio	1:0.05	1:0.05	nil
2d	Quantity of topsoil generation in m3	nil	NA	nil
2e	Quantity of overburden generation in m3	nil	nil	nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	nil	nil	-

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	ONE PIT	ONE PIT	NIL
3b	Quantity of ROM mineral production proposed	126486 TS	NIL	NIL
3c	Recovery of sailable/usable mineral from ROM production	120162 TS	NIL	NIL
3d	Quantity of mineral reject generation	6324 TS	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	AT 5%	AT 5%	NIL
3f	Quantity of sub grade mineral generation.	NIL	NIL	NIL
3g	Grade of sub grade mineral generation	NIL	AS PROPOSED	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	MANUAL	MANUAL	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	BY using jack hammer	as proposed	nil
3k	Provision of mining machineries in mineral benches	yes	proposed	nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	bench height 2.5 m	As proposed	nil

3m	Total area covered under excavation/pits	3.72.4 ha	3.72.4 ha	nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0.05	1:0.05	nil
3o	Total area put in use under different heads at the end of year	mining=3.72.4, mine roads=0.02.0, plantation=0.03.0,unutilized area=0.67.6 ha	mining=3.72.4, mine roads=0.02.0, plantation=0.03.0,unutilized area=0.67.6 ha	nil
3p	Production of ROM mineral during the last five year period as applicable	2013-14=149875,2014-15=128350,2015-16=150124,2016-17=100252,2017-18=126486	2013-14=142381,2014-15=121933,2015-16=142618,2016-17=95239,2017-18=120162	nil
3q	General remarks of inspecting officers on method of mining etc.	nil	nil	nil

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	mineral reject 1983 ts	mineral reject=1983 ts	nil
4b	Location of topsoil, OB and mineral reject dumps	no	no	nil
4c	Number of dumps within lease area and outside of lease area	outside lease area -1	outside lease area -1	nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	southerneaster n side of the area	southerneastern side of the area	nil
4e	Number of active and alive dumps.	1	1	nil
4f	Number of dead dumps.	nil	nil	nil

4g	Number of dumps established.	no	no	nil
4h	Whether Retaining wall or garland drain all along dumps are there.	yes	yes	nil
4i	Length of Retaining wall or garland drain all along dumps	will be attempted	will be attempted	nil
4j	Number of settling ponds	nil	nil	nil
4k	Specific comments of inspecting officer on waste dump management	nil	nil	nil

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	nil
5b	Area under backfilling of mined out area	0.72.5 ha	0.72.5 ha	nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	na	na	nil
5d	Total area fully reclaimed and rehabilitated	no	no	nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	nil	nil	nil

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).	yes, on time	yes, on time	nil
6b	Area available for rehabilitation (ha) .	no	no	nil
6c	afforestation done (ha).	nil	nil	nil
6d	No. of saplings planted during the year	20 saplings proposed	20 saplings proposed	nil
6e	Cumulative no .of plants	100 plants	100 plants	nil
6f	Any other method of rehabilitation	na	na	nil
6g	Cost incurred on watch and care during the year	Rs4000/	Rs4000/	nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NO PROPOSAL	NA	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NIL	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL	NIL

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NIL	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NA	NA	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NO PROPOSAL	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	-	being maintained periodically	nil
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	nil
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	nil

7d	Any beneficiation process at mines	no proposal	NA	NIL
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	nil
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	nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	no proposal	na	nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	no proposal	na	nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	100. no. of saplings planted	nil
8g	Survival rate	-	80%	nil

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 boundary

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	-	ANNUAL RETURNS SUBMITTED FOR 2015-16, 2016-2017	-
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=3.72.4, mine roads=0.02.0, plantation=0.03.0, unutilized area=0.67.6 ha	-
9d	Scrutiny of Annual return on afforestation	-	100 no.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	-	nil	-
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 Annual return on mining machineries	-	TIPPER, POCLAIN, AIRCOMPRESSOR	-
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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