

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

MCDR inspection REPORT

Chennai regional office

Mine file No : TN/PT/LST-38/MDS

Mine code : 38TMN24036

- (i) Name of the Inspecting : **A027**) **A.S.SANJEEVA RAO**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Chandrasekar, Geologist
Official with
Designation
- (iv) Date of Inspection : 03/08/2017
- (v) Prev.inspection date : 09/03/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **ALANTHURAIYARKATTALAI (KAT**
- (b) **Registration NO.** : **IBM/9706/2012**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : TAMIL NADU
- District : PERAMBALUR
- Village : A.PANANGOOR ALANTHUR
- Taluka : ARIYALUR
- Post office : ARIYALUR
- Pin Code : 621701
- FAX No. :
- E-mail : kathiravanmines.akm@gmail.co
- Phone : 9443733341
- (f) Police Station : Kunnam
- (g) First opening date : 20/09/2003
- (h) Weekly day of rest : SUN
2. Address for : A.PANANGUR VILLAGE, SUNDAKUDI POST
correspondance : ARIYALUR TALUK, PERAMBALUR DIST - 621 701.
3. (a) Lease Number : TMN0897
- (b) Lease area : 4.49
- (c) Period of lease : 20
- (d) Date of Expiry : 03/07/2023
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : A.KATHIRVEL MOOPANAR
 A.PANANGUR SUNDAKUDI - POST
 ARIYALUR - TALUK PERAMBALUR
 TAMIL NADU
 Phone:
 FAX :

Owner : K.GANESAN
 NO.2/51,MAIN ROAD,
 A.PANAGOOR, SUNDAKADU POST
 ARIYALUR TAMIL NADU
 Phone: 9443733341
 FAX :

Agent : M.CHANDRASEKAR
 ALANGULAM CEMENT WORKS
 ALANGULAM VIRUDUNAGAR DT
 VIRUDHUNAGAR TAMIL NADU
 Phone:
 FAX :

Mining Engineer

Name : K. RAGHAVAN,Full Time
 Qualification : DIP.IN MINING ENNG.,I MMC
 Appointment/ : 01/04/2014
 Termination date

Geologist

Name : M.CHANDRASEKARAN,Full Time
 Qualification : M.Sc., GEOLOGY
 Appointment/ : 16/07/2003
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	22/01/2003
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	25/04/2013
		Mining Scheme rule 12 MCDR1988	13/11/2013

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
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	186590tonnes &126840tonnes	210220tonnes &126840tonnes	-
1f	General remarks of inspecting officers on geology, exploration etc			Mine is not working.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In central part of ML on northern side from RL-27-RL-23.	As proposed.	Mine is not working .
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed.	Maintained as proposed.	-
2c	Stripping ratio or ore to OB ratio	Nil.	There is no waste generation.	There is no OB and intercalations.
2d	Quantity of topsoil generation in m3	Nil.	Nil.	There is no top soil cover.
2e	Quantity of overburden generation in m3	Nil.	Nil.	There is no OB.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Mine is not working.	Boundarty pillars are fixed, but not with the priscirbed dimitions as 1sq m as per CCOM circular 1/2009.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One pit. Approximately 190mx140mx16-20m depth.	Mine is not working .
3b	Quantity of ROM mineral production proposed	18600tonnes	18500tonnes	
3c	Recovery of sailable/usable mineral from ROM production	18600tonnes	18500tonnes	There is no OB and intercalations.
3d	Quantity of mineral reject generation	Nil.	Nil.	
3e	Grade of mineral rejects generation and threshold value declared.	No reject geneation	Nil.	No reject geneation
3f	Quantity of sub grade mineral generation.	Nil.	Nil.	-
3g	Grade of sub grade mineral generation	Nil.	Nil.	No sub grades.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised ,A-OTFM.	Mechanised .By use deploying mechanery shovel.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No.	No.	Entire ROM being sold.

3j	Provision of drilling and blasting in mineral benches	Drilling by using Jack hammer	As proposed.	Miner being carried out without blasting.
3k	Provision of mining machineries in mineral benches	Yes.	As proposed. Bench width maintained less than the height.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes.	As proposed. As proposed. Bench width maintained less than the height.	
3m	Total area covered under excavation/pits	3.37hect	As proposed.	-
3n	Ore to OB ratio for the pit/mine during the year.		NIL during the year.	There is no OB and intercalations.
3o	Total area put in use under different heads at the end of year	3.38hect	As proposed.	
3p	Production of ROM mineral during the last five year period as applicable	Year- tonnes 2014-15: 82500 2015-16: 58410 2016-17: 165860 2017-18: 67710	Year- qty in tonnes 2014-15: 86700 2015-16: 34780 2016-17: 71500	Production is within approved limits.
3q	General remarks of inspecting officers on method of mining etc.		Mine is not working for want of EC.	Northern pit could not be reached even by foot as the approach road is water logged and slippery.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)			
4b	Location of topsoil, OB and mineral reject dumps	Within the ML.	As proposed.	-
4c	Number of dumps within lease area and outside of lease area	Within ML along the lease boundary on western side.	As proposed.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	On the western side of ML.	As proposed.	-
4e	Number of active and alive dumps.	Only one active dump.	As proposed.	-
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.	No proposal.	NIL.	
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Nil.	
4j	Number of settling ponds	No proposal.	NIL.	
4k	Specific comments of inspecting officer on waste dump management		No waste generation .	No waste generation .

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 document period.	Nil.	Mine not reached economic depth.

5b	Area under backfilling of mined out area	No proposal.	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	No proposal.	NIL.
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Mine has 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).	Not submitted.	Violation of rule 26(2) of MCDR-2017 has been communicated to lessee .	-
6b	Area available for rehabilitation (ha) .	No proposal.	Nil.	
6c	afforestation done (ha).	212sq m area.	As proposed.	More afforestation on non lease area.
6d	No. of saplings planted during the year	15nos.	10nos.	
6e	Cumulative no .of plants		50nos.	
6f	Any other method of rehabilitation	No proposal.	Nil.	
6g	Cost incurred on watch and care during the year		No details.	

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 on backfilling	Plantation done in non lease area.	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal on backfilling.	NIL.	
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.	Nil.	Nil.	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal.	No waste land available.	
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)	Mine is not working	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No rehabilitation & reclamation is proposed	No rehabilitation & reclamation is proposed

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	At mine site	Entire ROM is being sold.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised.	By deploying mechanery shovel.	
7c	Different grade of mineral sorted out at mines.	Entire ROM is being sold	Entire ROM is being sold/utelised.	
7d	Any beneficiation process at mines	No proposal.	Not requiured.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Entire ROM is being utelised.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No generation/no proposal.	Stacked seperately.	

8b	Concurrent use or storage of topsoil	For afforestation.	As proposed.	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No wate,sub grade generation.	NIL.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No wate,sub grade generation.	No wate,sub grade generation.	Only small qty., of topsoil stacked.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal during the document period.	NIL.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		About 50 nos.	More afforestation in adjacent non lease area.
8g	Survival rate	70%	About 50%	
8h	Water sprinkling on roads to control airborne dust		Mine is not working.	Mine is not working.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Plantaion obseved on the boundary 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	Furnished ,details of geologist as S.M.CHANDRAS EKAR.	Detail found to be correct.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not furnished.	Advised to furnish the details required as per coloumn.	
9d	Scrutiny of Annual return on afforestation	Details furnished under item 4.4 of AR.	Details furnished are cumulative nos, advised to correct.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		There is no reject 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 ,Ex. Mine price and production cost as Rs.250/- .	
9h	Scrutiny of Annual return on fixed assets		Details furnished are not clear.	Advised the official on the same.
9k	Scrutiny of Annual return on mining machineries		Details furnished are not clear.	Advised the official on the same.

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
MCDR17	Rule 26(2)	12/09/2017			
MCDR17	Rule 27(2)	12/09/2017			

Date :

(A.S.SANJEEVA RAO)

Indian Bureau of Mines