

<b>INDIAN BUREAU OF MINES</b> <b>MINERAL DEVELOPMENT AND REGULATION DIVISION</b> <b>MCDR INSPECTION REPORT</b> <b>Chennai Regional Office</b>		
<b>Mine file No.ALR/LST-5(a).MDS Vol-V</b>		<b>Mine code - 38TMN38004</b>
(i)	Name of the inspecting officer & Designation	<b>KUMERESH A</b> Senior Assistant Controller of Mines
(ii)	Accompanied mine official and designation	M R Raja Ranjith Singh - General Manager TC Gopi Rajesh Kumar – Sr. Manager
(iii)	Date of inspection	21.11.2023
(iv)	Date of previous inspection	07.10.2023
<b>PART-I: General Information</b>		
1.	Mine Name	<b>Khairulabad Limestone Mines</b>
(b)	Registration Number	IBM/929/2011
(c)	Category	A
(d)	Type of Working	Opencast
(e)	Postal Address State District Village Taluka Post Office Pin Code FAX No. E-mail Phone	T. Venkatesan Nominated Mine Owner M/s. Dalmia Cement (Bharat) Limited Fagun Mansion, 26, Ethiraj Salai, Egmore, Chennai - 600008. Phone - 044 28279933 Fax - 044 28276508 t.venkatesan@dalmiacement.com Date of Appointment - 09.08.2012
(f)	Police Station	Astinapuram
(g)	First opening date	13.08.2004
(h)	Weekly day of rest	Scattered
2.	Address for correspondence	T. Venkatesan Nominated Mine Owner M/s. Dalmia Cement (Bharat) Limited Fagun Mansion, 26, Ethiraj Salai, Egmore, Chennai - 600008. Phone - 044 28279933 Fax - 044 28276508 t.venkatesan@dalmiacement.com Date of Appointment - 09.08.2012
3.	Lease Number	Not available
	Lease Area	Non-Forest – 2.25 H.a
	Period of lease	30 years

	Date of expiry	26.01.2034
4.	Mineral worked	Limestone
5.	Name and address of the	
	Lessee:	Dalmia Cement (Bharat) Limited, Dalmiapuram. Lalgudi Taluk. Tiruchirapalli District. Tamil Nadu. Telephone No. : 04329 – 235459.
	Owner:	T. Venkatesan Nominated Mine Owner M/s. Dalmia Cement (Bharat) Limited Fagun Mansion, 26, Ethiraj Salai, Egmore, Chennai - 600008. Phone - 044 28279933 Fax - 044 28276508 t.venkatesan@dalmiacement.com Date of Appointment - 09.08.2012
	Agent:	Name: K.Vinayagamurthi Executive Director Dalmiapuram. Lalgudi Taluk. Tiruchirapalli District. Tamil Nadu. Mob: 9750963784 Email: k.vinayagamurthi@dalmiacement.com Date of Appointment – 06.01.2023
	Manager:	Name: T.C.Gopi Rajesh kumar Dalmiapuram. Lalgudi Taluk. Tiruchirapalli District. Tamil Nadu. Mob: 98651 70056 Email: tc.gopirajeskumar@dalmiacement.com
	Engineer:	Name: Aaron G. (Diploma in Mining and Mine surveying) Dalmiapuram. Lalgudi Taluk. Tiruchirapalli District. Tamil Nadu. Mob: 9865163264 Email: g.aaron@dalmiacement.com 1.Geologist –S.Selvakumar,M.Sc(Applied Geology) Date of Appointment – 02.03.2022 2.Mining Engineer – : Aaron G.

	Geologist:	Diploma in Mining and Mine surveying) Date of Appointment – 30.07.2024
6	Date of Approval of Mining Plan/Modified Mining Plan with five – year period and specific condition in approval letter, if any.	TN/PBR/MP/Lst-1497/SZ dated: 09/09/2003, 2004 to 2009
	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five – year period and specific condition in approval letter, if any.	TN/ALR/LST/MS-496-SZ dated: 01.04.2009 (2009-2014) TN/ALR/LST/ROMP - 1523.MDS dated: 13.11.2018 (2019-20 to 2023-24) TN/ALR/LST/ROMP-1724.MDS, Dated: 24/11/2023 (2024-25 to 2028-29)

**PART-II : OBSERVATION / COMMENTS OF INSPECTING OFFICER  
EXPLORATION**

S. No.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	Area G1-2.25	Area G1-2.25	The entire lease hold area falls under 111 & 221 Classification
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NA	NA	No Exploration proposed during the FY 23 -24
1d	Balance area to be explored to bring Geological axis in 1 or 2			-
1e	Balance reserves as on 01.04.2024 (111 Category)	Proved Mineral Reserve (111) - 270153 Tons  Prefeasibility Mineral Resource (221) – 465915 Tons		
1f	General comments of inspecting officer on geology, exploration etc.	-	-	

**DEVELOPMENT**

S. No.	Item	Proposals	Actual Work	Remarks
2a	Location of development w.r.t. lease area	11° 8'10.22"N to 11° 8'5.60"N & 79° 7'48.63"E to 79° 7'58.08"E	No work done	
2b	Separate benches in topsoil, overburden and minerals (Rule 13 of MCDR-2017)	No presence of top soil / Overburden	No presence of top soil / Overburden	As per proposed
2c	Stripping ratio or ore to OB ratio	NA	NA	No Presence of OB

2d	Quantity of topsoil generation in m3	Nil	Nil	
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.			Mine is not being worked since November 2018

**EXPLOITATION**

S. No.	Item	Proposals	Actual Work	Remarks
3a	Number of Pit proposed for production	Pit 1	Pit 1	
3b	Quantity of ROM mineral production proposed	6028	No Production Done	
3c	Recovery of salable/usable mineral from ROM production	100%	Nil	
3d	Quantity of mineral reject generation	No Proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	No Proposal	Nil	
3g	Grade of sub grade mineral generation	Nil	Nil	
3h	Manual / Mechanized method adopted for segregating from ROM	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	
3j	Provision of drilling and blasting in mineral benches	1. Drilling -XAH 210 with BVB 25 drill machine is used. 2. Blasting - Explosive storage Magazine is provided, Mixing shed for preparing ANFO & Road Van for Explosives Transportation from Magazine to Blasting Site are available in Mines	Nil	Mine is not being worked since November 2018
3k	Provision of mining machineries in mineral benches	For Loading HM 2020 loader is used. For Transportation	Nil	

		31 ton Taurus tippers are used		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in RoMP	Ht - 6 m  Width – 8 to 10 m	Ht - 6 m  Width – 8 to 10 m	
3m	Total area covered under excavation/pits	2.25 Ha	Nil	
3n	Ore to OB ratio for the pit/mine during the year.	NA	NA	
3o	Total area put in use under different heads at the end of year	2.25 Ha	Nil	Mine is not being worked since November 2018
3p	Production of ROM mineral during the last five-year period as applicable	2019-20= <b>6048</b> Ts 2020-21= <b>6045</b> Ts 2021-22= <b>6054</b> Ts 2022-23= <b>6030</b> Ts 2023-24= <b>6028</b> Ts	2019-20=Nil 2020-21= Nil 2021-22= Nil 2022-23= Nil 2023-24= Nil	Mine is not being worked since November 2018
3q	General remarks of inspecting officers on method of mining etc.	-	-	Mine is not being worked since November 2018

**SOLID WASTE MANAGEMENT-DUMPING**

S. No.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 36,37)	Nil	Nil	
4b	Location of topsoil, OB and mineral reject dumps	Nil	Nil	-
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	
4e	Number of active and alive dumps.	Nil	Nil	
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.	Nil	Nil	-
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	-
4j	Number of settling ponds	Nil	Nil	-
4k	Specific comments of inspecting officer on waste dump management			Mine is not being worked since November 2018

**SOLID WASTE MANAGEMENT-BACKFILLING**

S. No.	Item	Proposals	Actual Work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	NA	NA	No waste material is available for backfilling
5b	Area under backfilling of mined out area	NA	NA	No waste material is available for backfilling
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NA	NA	No topsoil is available for backfilling
5d	Total area fully reclaimed and rehabilitated	NA	NA	No waste material is available for backfilling
5e	General remarks of inspecting officers on backfilling and reclamation etc	--	--	Mine is not being worked since November 2018

**PROGRESSIVE MINE CLOSURE PLAN**

S. No.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 26 (2)	YES	Submitted:  Annual Return: 28.06.2024  PMCP Return: 28.06.2024  Monthly Return (Oct24) :07.11.2024	Submitted
6b	Area available for rehabilitation (ha).	Nil	Nil	
6c	Afforestation done (ha).	Nil	Nil	
6d	No. of saplings planted during the year	Nil	Nil	
6e	Cumulative no. of plants	Nil	Nil	
6f	Any other method of rehabilitation	NA	NA	-
6g	Cost incurred on watch and care during the year	Nil	Nil	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D)	No backfilling proposed	No backfilling proposed	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation backfilled area	The excavated area could be used as reservoir at	The excavated area could be used as reservoir at the end of the mine	As per proposed in SOM

		the end of the mine		
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.	No waste land available within the lease area	No waste land available within the lease area	No waste land available within the lease area
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No waste land available within the lease area	No waste land available within the lease area	No waste land available within the lease area
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	YES	Submitted:  Annual Return: 28.06.2024  PMCP Return: 28.06.2024  Monthly Return (Oct24) : 07.11.2024	Submitted
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No waste land available within the lease area	No waste land available within the lease area	No waste land available within the lease area
6p	Compliance of environmental monitoring (core zone and buffer zone)	To be carried out every Quarter	M/s. ITC Lab, Chennai is engaged for monitoring Environmental data on a Quarterly basis	As per proposed in SOM
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Mine is not being worked since November 2018

#### **MINERAL CONSERVATION**

S. No.	Item	Proposals	Actual Work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	<b>6028 MT</b>	<b>Nil</b>	Operations not done due to want of EC
7b	Method of grade wise mineral sorting i.e. manual or mechanical.	NA	NA	-
7c	Different grade of mineral sorted out at mines.	NA	NA	-
7d	Any beneficiation process at mines	Nil	Nil	-
7e	General remarks of inspecting officer on Mineral Conservation & beneficiation issues			Mine is not being worked since November 2018

**ENVIRONMENT**

S. No.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No topsoil is present	No topsoil is present	-
8b	Concurrent use or storage of topsoil	NA	NA	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	-
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	-	-	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	After mining is completed, the entire lease area will be converted into water reservoir.	After mining is completed, the entire lease area will be converted into water reservoir.	After mining is completed, the entire lease area will be converted into water reservoir.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Nil	Nil	-
8g	Survival rate	Nil	Nil	-
8h	Water sprinkling on roads to control airborne dust	Nil	Nil	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			

**COMPLIANCE UNDER RULE-45**

S. No.	Item	Proposals	Actual Work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted timely	Monthly returns submitted upto Oct 2024	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details given in A.R.	Observation of I/Officer	Remarks
9c	Scrutiny of Annual return on land use	Information furnished	The information was found representative	-



	pattern for area under pits, reclaimed area, dumps etc.			
9d	Scrutiny of Annual return on afforestation	Area under Mining – 2.25 Ha	The information was found correct	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Yes		-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	No Mineral Reject generated.	The information was found correct	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	a) Opencast Working - Production – 6028 MT (b) Under ground Working - Production - Nil (c) Dump Workings - Production - Nil	The information was found correct	-
9h	Scrutiny of Annual return on fixed assets	Nil	The information was found correct	-
9i	Scrutiny of Annual return on mining machineries	85615312	The information was found correct	-

Details of violations observed during current inspection and compliance position of violations pointed out					
Violation observed			Show cause position		
Rule No.	Issued on	Compliance on	Rule No.	Issued on	Compliance on

Date:

**KUMERESH A**  
**SrAsst Controller of Mines**  
Indian Bureau of Mines