

INDIAN BUREAU OF MINES MINERAL DEVELOPMENT AND REGULATION DIVISION MCDR INSPECTION REPORT Chennai Regional Office		
Mine file No.ALR/LST-7.MDS		Mine code - 38TMN38010
(i)	Name of the inspecting officer & Designation	KUMERESH A Senior Assistant Controller of Mines
(ii)	Accompanied mine official and designation	Shri. K.Nagendran, Sr.DGM (Mines) Shri. P.Senthamilselvan, Geologist
(iii)	Date of inspection	23/09/2024
(iv)	Date of previous inspection	05/09/2023
PART-I: General Information		
1.	Mine Name	Pudupalayam North Limestone Mine
(b)	Registration Number	IBM/638/2011
(c)	Category	A
(d)	Type of Working	Opencast
(e)	Postal Address State District Village Taluka Post Office Pin Code FAX No. E-mail Phone	Pudupalayam North Limestone Mine, M/s. The Ramco Cements Limited, Govindapuram Works, Sendurai Road, Ariyalur District. Phone No: 044-28477504 Fax No: 28478676 Email id: magesh@ramcocements.co.in
(f)	Police Station	Kairulabad
(g)	First opening date	24/03/2009
(h)	Weekly day of rest	Scattered
2.	Address for correspondence	Shri. Madhusudan Kulkarni Sr.Vice President (Mfg.) M/s. The Ramco Cements Limited, Govindapuram Works, Sendurai Road, Ariyalur. Phone No: 044-28477504 Fax No: 28478676 madhusudan.k@ramcocements.co.in Date of Appointment: 16/09/2019
3.	Lease Number	TMN1030
	Lease Area	26.075 Ha
	Period of lease	20 years

	Date of expiry	15.06.2015
4.	Mineral worked	Limestone
5.	<p>Name and address of the Lessee:</p> <p>Owner:</p> <p>Agent:</p> <p>Manager:</p> <p>Engineer:</p> <p>Geologist:</p>	<p>M/s. The Ramco Cements Limited,</p> <p>Shri.P.R. Venketrama Raja, The Ramco Cements Limited, Auras Corporate Centre, No:98A, 5th Floor, Mylapore, Chennai. Telephone No: 044-28478666 Fax No: 28478676</p> <p>Shri. Madhusudan Kulkarni Sr.Vice President (Mfg.) M/s. The Ramco Cements Limited, Govindapuram Works, Sendurai Road, Ariyalur. Phone No: 044-28477504 Fax No: 28478676 madhusudan.k@ramcocements.co.in Date of Appointment: 16/09/2019</p> <p>Shri.A.Rambabu, M/s. The Ramco Cements Limited, Govindapuram Works, Sendurai Road, Ariyalur. Phone No: 044-28477504 Fax No: 28478676 minesary@ramcocements.co.in Date of Appointment: 01/07/2019</p> <p>Shri.E.Thangakumar, Diploma in Mining, M/s. The Ramco Cements Limited, Govindapuram Works, Sendurai Road, Ariyalur. Phone No: 044-28477504 minesary@ramcocements.co.in Date of Appointment: 20/01/2022</p> <p>S.Arun (Geologist) M/s. The Ramco Cements Limited, Govindapuram Works Sendurai Road, Ariyalur. Mobile No: 9788859706 sarun@ramcocements.co.in</p>

		Date of Appointment: 01/04/2017
6	Date of Approval of Mining Plan/Modified Mining Plan with five – year period and specific condition in approval letter, if any.	Fresh under Rule 22 MCR 1960: 07/08/2006 MP modified under 17(3) MCR 2016: 24/10/2016 Mp review under 17(1) MCR 2016: 31/10/2018 MP modified under 17(3) MCR 2016: 18/08/2020
	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five – year period and specific condition in approval letter, if any.	

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

S. No.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	No Proposal	Nil	In order to establish the bottom contact Already the area had been explored under G1 category
1b	Exploration over lease area for Geological axis 1 or 2.	2	2	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No Proposal	0.20 Lakhs -To prove the non existence of Mineral	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposal	Nil	
1e	Balance reserves as on 01.04.2024 (111 Category)		Mineral Exhausted as per the MMP	
1f	General comments of inspecting officer on geology, exploration etc.	-	-	The entire Mining lease area is mineralized with Buff Shell limestone deposit which is having thickness of 28m which is overlain by 2-18m of overburden and soil cover varying from 0 to 2m. Entire lease is explored under G-1 level exploration

DEVELOPMENT

S. No.	Item	Proposals	Actual Work	Remarks
2a	Location of development w.r.t. lease area	Between Section AA to BB	Between Section AA to BB	Between Section AA to BB
2b	Separate benches in topsoil, overburden and minerals (Rule 13 of MCDR-2017)	OB benches-3 L.st benches- 4	Done as per the proposal	OB benches-3 L.st benches- 4
2c	Stripping ratio or ore to OB ratio	1:0.07	1:0.07	1:0.07
2d	Quantity of topsoil generation in m3	No Proposal	-	Nil

2e	Quantity of overburden generation in m3	30820	29750	As per Plan
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc.	--	--	--

EXPLOITATION

S. No.	Item	Proposals	Actual Work	Remarks
3a	Number of Pit proposed for production	Single pit operation	Single pit operation	
3b	Quantity of ROM mineral production proposed	2023-24:432800 Tons	2023-24 - 432691.84 Tons	Within the limit
3c	Recovery of salable/usable mineral from ROM production	100%	100%	Nil
3d	Quantity of mineral reject generation	Na	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Na	Nil	Nil
3f	Quantity of sub grade mineral generation.	Na	Nil	Nil
3g	Grade of sub grade mineral generation	Na	Nil	Nil
3h	Manual / Mechanized method adopted for segregating from ROM	Na	Nil	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Na	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	Yes	Adopted non conventional method by deploying Xcentric Ripper	Not applicable
3k	Provision of mining machineries in mineral benches	Excavator-1 Xcentric Ripper-1 Tipper-13 Water Tanker-1	As Excavator-1 Xcentric Ripper-1 Tipper-13 Water Tanker-1	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in RoMP	8.0m	8.0m	Suitable for method of mining
3m	Total area covered under excavation/pits	7.10.0 Hect	7.10.0 Hect	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0.07	1:0.07	Nil
3o	Total area put in use under different heads at the end of year	Area under mining- 7.1, Top soil-00, Overburden-0 Mineral Storage=0.0	Area under mining- 7.1, Top soil-00, Overburden-0 Mineral Storage=0.0	Within proposed limits

		Infrastructure-0.20.0 Roads-0.60.0 Railways-0.0, Tailing pond-0.0 Effluent treatment-0.0 Mineral separation plant-0.0 Township area-0.0 Others to be specified (green belt, etc.)- 14.35 Total-22.25.0	Infrastructure-0.20.0 Roads-0.60.0 Railways-0.0, Tailing pond-0.0 Effluent treatment-0.0 Mineral separation plant- 0.0 Township area-0.0 Others to be specified (green belt, etc.)- 14.35 Total-22.25.0	
3p	Production of ROM mineral during the last five-year period as applicable	2019-20:1000200 Tons 2020-21:600900 Tons 2021-22:99980 Tons 2022-23:101500 Tons 2023-24:432800 Tons	2019-20 - 744618.28 Tons 2020-21 - 372176.02 Tons 2021-22 - 99959.98 Tons 2022-23 - 101400.16 Tons 2023-24 - 432691.84 Tons	
3q	General remarks of inspecting officers on method of mining etc.	-	-	The method of mining was found satisfactory.

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	Nil
4b	Location of topsoil, OB and mineral reject dumps	Nil	Nil	Nil
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	Nil
4e	Number of active and alive dumps.	Nil	Nil	Nil
4f	Number of dead dumps.	Nil	Nil	Nil
4g	Number of dumps established.	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Nil	Nil
4i	Length of Retaining wall or garland drain all along dumps	Nil	700m garland drainage was constructed in the past and is being maintained	Garland drainage constructed in the past is being maintained
4j	Number of settling ponds	No proposal	No proposal	Nil
4k	Specific comments of inspecting officer on waste dump management	--	--	Nil

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

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)	Proposal as cited in the Mining plan	Submitted the PMCP report vide Rule 23 E(2) of MCDR 2017	PMCP report submitted before due date as reported
6b	Area available for rehabilitation (ha).	Nil	Nil	
6c	Afforestation done (ha).	12.70.0 Hect	26.00.0 Hect	
6d	No. of saplings planted during the year	1000 No's	1000 No's	In backfilled area
6e	Cumulative no. of plants	19000 No's	45000 No's	As per plan
6f	Any other method of rehabilitation	Not applicable	Not applicable	Nil
6g	Cost incurred on watch and care during the year	Nil	5.00 Lakhs	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D)	No proposal	-	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	1000 No's	1000 No's	As per plan
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation backfilled area	Proposal as cited in the Mining plan	Submitted the PMCP report vide Rule 23 E(2) of MCDR 2017	
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.	Not applicable	Not applicable	Not applicable

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Rehabilitation as done by green belt development on the backfilled area	As per plan
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 waste land available	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Quarterly monitored	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Nil	Nil	All the proposed PMCP activities are being carried out

MINERAL CONSERVATION

S. No.	Item	Proposals	Actual Work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Nil	Nil	-
7b	Method of grade wise mineral sorting i.e. manual or mechanical.	Not Applicable as we proposed to consume on ROM (Run of Mine) basis	As proposed, consumed on ROM (Run of Mine) basis	-
7c	Different grade of mineral sorted out at mines.			
7d	Any beneficiation process at mines			
7e	General remarks of inspecting officer on Mineral Conservation & beneficiation issues	-	-	-

ENVIRONMENT

S. No.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal	-	Till date, topsoil of 4,76,020 m3 was generated and the same was utilized for spreading over the backfilled area for green belt development
8b	Concurrent use or storage of topsoil	No Proposal	-	As per plan
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal	-	As per plan

8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	No Proposal	-	As per plan
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	-	As per plan
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	Planted 1000 No's on the backfilled area	As per plan
8g	Survival rate	Proposed to maintain 90%	90%	-
8h	Water sprinkling on roads to control airborne dust	Propose to engage Water Tanker for control airborne dust	10000 Liters water tanker is being engaged for sprinkling to control airborne dust	As per plan
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	--	--	The aesthetic beauty in and around mines area was found satisfactory.

COMPLIANCE UNDER RULE-45

S. No.	Item	Proposals	Actual Work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto August -2024 Annual Return submitted - 2023-24		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer - E.Thangakumar Geologist - S.Arun Mine Manager - A.Rambabu	Given in Part I, Sl 7-9	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under mining- 7.1, Top soil-00, Overburden-0 Mineral Storage=0.0 Infrastructure-0.20.0 Roads-0.60.0 Railways-0.0, Tailing pond-0.0 Effluent treatment-0.0 Mineral separation plant-0.0 Township area-0.0 Others to be specified (green belt, etc.,)- 14.35 Total-22.25.0	Area under mining- 7.1, Top soil-00, Overburden-0 Mineral Storage=0.0 Infrastructure-0.20.0 Roads-0.60.0 Railways-0.0, Tailing pond-0.0 Effluent treatment-0.0 Mineral separation plant-0.0 Township area-0.0 Others to be specified (green belt, etc.,)- 14.35 Total-22.25.0	

9d	Scrutiny of Annual return on afforestation	1000 No's	Given in Part V, Sl 5	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No reject	Given in Part VI, Sl 3	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	No stock	Given in Part VI, Sl 2 & 3(ii)	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-Mine price - Rs.310.36/-	Given in Part VI, Sl 3 (ii) & Part VII	
9h	Scrutiny of Annual return on fixed assets	Fixed assets: Rs. 17700000/-	Given in Part II A	Provided in part -II (A).Jointly for 7 leases.
9i	Scrutiny of Annual return on mining machineries	Excavator - 1 No Xcentric Ripper - 1 No Tipper – 6 No's Water Tanker – 1 No Dozer - 1No.	Given in Part V, Sl 6	

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