

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION
MCDR INSPECTION REPORT
BANGALORE REGIONAL OFFICE

File No- MCDR-MiFLOLST/14/2023-BNG-IBM_RO_BNG

Mine Code- 38KAR07018

General

S N	Particulars	Details
1	Name of the Mine	Kanchipura Limestone Mine (ML No-2643)
2	Date of Inspection	17.01.2025
3	Name of Inspecting Officer	Shri Ashok Kumar Pany, AME
4	Name of official accompanying inspection	Shri Thayaraja MP, Mines Manager & Shri V.V. Kulkarni, Geologist
5	Last date of Inspection & Officer	07.04.2022 Dr. Omkesha Murthy MG, RMG
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest Land- Nil Non Forest Land- 122.67 ha Total Lease area- 122.67 ha
7	Mine code	38KAR07018
8	IBM Registration Number under rule 45 of MCDR, 2017	IBM/638/2011
9	Name of the lessee, Address, phone, email and fax number	The Ramco Cements Limited, 5 th Floor, Auras Corporate Center, 98A, Dr Radhakrishanan Salai, Mylapore , Chennai.
10	Village	Kanchipura
11	Taluka/Mandal	Hosadurga
12	District	Chitradurga
13	Pin code	577533
14	State	Karnataka
15	Post office	Mathodu
16	Nearest police station	Srirampura
17	Nearest Railway station	Hosadurga road
18	Date of Grant of Mining Lease	15.10.1982
19	Date of Execution	15.10.1982
20	Date of Expiry	14.10.2032
21	Date of opening of Mine	30.08.2004
22	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Sri. P.R.VENKETRAMA RAJA, The Ramco Cements Limited, "Auras Corporate Centre", Dr. Radhakrishna Salai, Mylapore, Chennai-600 004. Ph: 044-28478666. Fax No. +91 4428478676, Date of Appointment: 10.04.2009.

23	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Sri V.S. Sambasivam The Ramco Cements Limited, 5 th Floor, Auras Corporate Center 98A Dr, Radhakrishanan Salai, Mylapore , Chennai, Mob:94459 27931 Email:vssm@ramcocements.co.in Date of Appointment:09/11/2023
24	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Thayaraja M.P The Ramco Cement Limited, Mathodu works, Mathodu. 94808 42213. Email:thayarajamp@ramcocements.co.in Date of Appointment:22.08.2024
25	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Thayaraja M.P The Ramco Cement Limited, Mathodu works, Mathodu. 94808 42213. Email:thayarajamp@ramcocements.co.in Date of Appointment:22.08.2024
26	Name of the Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri. V. V Kulkarni, Qualification :M.Sc Geology The Ramco cements limited, Method works, Method Ph-99022 66370 Date of appointment-01/10/2024
27	Date of Approval of Review of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Review of Mining Plan approved vide letter No. 279/741/2002/BNG dated 16.02.2023 for the period 2022-23 to 2026-27
28	Mineral(s) granted in lease and proved for mining	Limestone
29	Method of Mining (Opencast, Underground)	Opencast
30	Category (Fully Mechanized, Others or Manual)	Category-A, Fully Mechanized
31	Captive/Non Captive	Captive

Exploration

S.N.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
1a	Backlog of previous year	Nil	NA	No Backlog from previous year.
1b	Exploration over lease area during the year for Geological axis 1 or 2.	4 Bore holes	Nil	The mining operation was temporary discontinued from 21.08.2017 to 22.08.2024.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	As per approved RMP:- G1-55.24Ha, Non-mineralised area-67.43Ha	G1-55.24Ha, Non-mineralised area-67.43Ha	The mineralized area has been explored under G1 Level.
1e	Balance reserves as on 01.04.2024	Reserve- : 15503835 Tonne Resource : 6272878 Tonne Total : 21776713 Tonne		The Balance reserve/resource figures as per Annual Return submitted for FY 2023-24 and after depleting production from last approved document.
1f	General remarks of inspecting officer on geology, exploration etc.	The length of the limestone band is 1730m and width varies from 40m to 96m whereas the depth of limestone is proved upto 112m, limestone is compact, hard and massive in nature. The CaO content in limestone is more than 34%. The potential mineralized area 55.24 ha has been explored under G1 level.		

Development

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	N-530-1142 E-747-965	Nil	The mining operation was temporary discontinued from 21.08.2017 to 22.08.2024.
2b	Separate benches in topsoil, overburden and mineral	No proposal for generation of top soil. Separate Benches in overburden and mineral is proposed	Nil	
2c	Stripping ratio or ore to OB ratio	1:4.97 (tonne/Cum)	Nil	
2d	Quantity of topsoil generation in m ³	Nil	Nil	
2e	Quantity of overburden/waste generation in m ³	21100 Cum	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The mining operation was temporary discontinued from 21.08.2017 to 22.08.2024.		

Exploitation

S.N.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	One Pit	NIL	
3b	Quantity of ROM production proposed	105000 tonne	NIL	The mining operation was temporary discontinued from 21.08.2017 to 22.08.2024.
3c	Recovery of salable/usable mineral from ROM production	105000 tonne (100% of ROM)	NIL	
3d	Quantity of mineral reject generation	No proposal of generation of Mineral rejects.	NIL	
3e	Grade of mineral reject generation and threshold value declared	Threshold value- 34% Cao (min) and 5% MgO (Max) Cutoff grade- 42% CaO	NIL	
3f	Quantity of sub-grade mineral generation	No proposal of generation of sub-grade.	Nil	
3g	Grade of sub-grade mineral generation	No proposal of generation of sub-grade.	Nil	
3h	Manual / Mechanized method adopted for segregating from ROM	Mechanized	Nil	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No beneficiation study proposed	Nil	
3j	Provision of drilling & blasting in mineral benches	Provision of drilling & blasting proposed in mineral benches	Nil	
3k	Provision of mining machineries in mineral benches	Excavator – 2.6 Cum Loader- 2.5 Cum Dumper – 18 tonne	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench Height-8 m, Width- 8 m	Bench Height-8 m, Width- 8 m	
3m	Total area covered under excavation/pits	16.93 ha at the end of 2023-24	16.00 ha	Existing area under mining.

3n	Ore to OB ratio for the pit/mine during the year	1:4.97 (tonne/Cum)	Nil	
3o	Total area put in use under different heads at the end of year	35.49 ha	33.14 ha	Existing land use area.
3p	Production of ROM mineral during last five-year period, as applicable	2019-20-118011 Tonne 2020-21- 120272 Tonne 2021-22 -156812 Tonne 2022-23- 0 Tonne 2023-24- 105000 Tonne	2019-20- Nil 2020-21- Nil 2021-22 - Nil 2022-23- Nil 2023-24- Nil	
3q	General remarks of inspecting officer on method of mining etc.	The mining operation was temporary discontinued from 21.08.2017 to 22.08.2024.		

Solid Waste Management-Dumping

S.N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Separate dumping of OB/waste proposed and no proposal of generation of topsoil/mineral rejects.	Nil	
4b	Location of topsoil, OB & mineral reject dumps	Waste dump-1 <u>Location:</u> 13:43:47.80 to 76:27:19.20 Waste dump-2 <u>Location:</u> 13:43:25.20 to 76:27:19.90	NA	
4c	Number of dumps within lease area and outside lease area	02 Nos. – within lease area No dumps outside lease area		
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	2 nos. -Within UPL		
4e	Number of active & alive dumps	2 nos. of active dump	2 nos. of active dump	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilized	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	No	Proposed	
4i	Length of Retaining wall or garland drain all along dump	Retaining wall- 300m, Garland Drain- 300 m proposed during the year 2023-24	Nil	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management	The mining operation was temporary discontinued from 21.08.2017 to 22.08.2024.		

Solid Waste Management-Backfilling

S.N.	Item	Proposals(2023-24)	Actual work (2023-24)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal	Nil	Mineral not exhausted from pit
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal	Nil	No generation of top soil
5d	Total area fully reclaimed & rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	The mineral has not been exhausted from quarry and no proposal of back filling during the year.		

Progressive Mine Closure Plan

S.N.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26.	To be submitted before 1 st July	Submitted	
6b	Area available for rehabilitation (ha)	No proposal	Nil	
6c	Afforestation done (ha)	0.37 ha	0.37 ha	
6d	No. of saplings planted during the year	800 nos.	800 nos.	
6e	Cumulative no. of plants	Total 15430 nos. of tree planted.		-
6f	Any other specific method of rehabilitation	No proposal	Nil	-
6g	Cost incurred on watch & care during the year	Rs. 320000.00	Rs. 300000.00	As reported by lessee during inspection.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	No proposal	Nil	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	No proposal	Nil	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	No proposal	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	No proposal	Nil	-
6m	Compliance of Rehabilitation of waste land within lease (i)Afforestation	No proposal	Nil	-
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	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 & buffer zone)	Quarterly monitoring of Noise, Air and Ground water quality proposed	Nil	
6q	General remark of inspecting officer on PMCP compliance and progressive closure operation etc.	The mining operation was temporary discontinued from 21.08.2017 to 22.08.2024.		

Mineral Conservation

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No sorting proposal, direct dispatch	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not applicable	Not applicable	
7c	Different grade of mineral sorted out at mines	Cement Grade	Not applicable	
7d	Any beneficiation process at mines	No proposal	No Beneficiation plant exists within lease.	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No Beneficiation plant installed within the mine.		

Environment

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of generation of Topsoil	Nil	
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate waste dump proposed	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	15430 Nos. of cumulative plantation up to 31.03.2024		
8g	Survival rate	85%	70%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads proposed to suppress the dust	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The aesthetic beauty in & around the mine area is maintained.		

Compliance of Rule 45

S.N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual Return submitted within due time.		
S.N.	Item	Details Given in AR.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information on Mining Engineer, Geologist and Manager is not furnished in the Annual Return.	The same were appointed and notice of appointment submitted.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit – 16.00 Ha Dump – 13.25 Ha Infrastructure area- 1.19 ha Other-1.29 ha	Within proposed land use.	

9d	Scrutiny of Annual return on afforestation	800 Nos. within lease area	Carried out	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Appears to be correct.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM closing stock- Nil Grade wise stock- 16822.711 tonne	Appears to be correct.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Cost of production- Nil	Appears to be correct.	
9i	Scrutiny of Annual return on fixed assets	Rs. 281282.00	Appears to be correct.	
9k	Scrutiny of Annual return on mining machineries	Nil	Appears to be correct.	

Details of violations observed during current inspection and compliance position of violation pointed out

Violation			Show cause		
Rule No.	Issued on	Compliance on	Rule No.	Issued on	Compliance on
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(ASHOK KUMAR PANY)

Assistant Mining Engineer