



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), KERALA)

To,

The Managing Director

DR KM CHERIAN INSTITUTE OF MEDICAL SCIENCES PRIVATE
LIMITED

Dr. K.M. CHERIAN INSTITUTE OF MEDICAL SCIENCES PRIVATE
LIMITED

KOODARATHIL HOUSE, KARUVATTA ADOOR PO,
PATHANAMTHITTA, KERALA-691523 -691523

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity
under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC)
in respect of project submitted to the SEIAA vide proposal number
SIA/KL/INFRA2/405879/2022 dated 10 Jan 2023. The particulars of the
environmental clearance granted to the project are as below.

- | | |
|---|---|
| 1. EC Identification No. | EC23B038KL127164 |
| 2. File No. | 2158/EC2/2022/SEIAA |
| 3. Project Type | Expansion |
| 4. Category | B |
| 5. Project/Activity including
Schedule No. | 8(a) Building and Construction projects |
| 6. Name of Project | Environmental Clearance for proposed
expansion of existing Hospital project to
be developed by M/s Dr. K.M. Cherian
Institute of Medical Sciences Pvt. Ltd |
| 7. Name of Company/Organization | DR KM CHERIAN INSTITUTE OF
MEDICAL SCIENCES PRIVATE LIMITED |
| 8. Location of Project | KERALA |
| 9. TOR Date | N/A |

The project details along with terms and conditions are appended herewith from page
no 2 onwards.

Date: 23/12/2023

(e-signed)
Dr Rathan U kelkar IAS
Member Secretary
SEIAA - (KERALA)

*Note: A valid environmental clearance shall be one that has EC identification
number & E-Sign generated from PARIVESH. Please quote identification
number in all future correspondence.*

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**PROCEEDINGS OF THE
STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT
AUTHORITY – KERALA, THIRUVANANTHAPURAM**

*(Present : Dr.H.Nagesh Prabhu IFS (Retd), Chairman,
Shri.K.Krishna Panicker, Member, Dr.Rathan U.Kelker, Member Secretary)*

Sub: Environmental Clearance for the expansion of existing Hospital project M/s Dr. K.M. Cherian Institute of Medical Sciences Pvt Ltd Kerala – Granted – Orders issued.

State Level Environment Impact Assessment Authority, Kerala

Proposal No. SIA/KL/INFRA2/405879/2022

File No. 2158/EC2/2022/SEIAA

- Ref: 1. Environmental Clearance No.1156 (A)/EC/SEIAA/KL/2017 dtd.16.03.2018.
2. Application received from Sri Rev. Fr. Reji K.J on 14/11/2022.
3. Minutes of the 148th meeting of the SEAC held on 6th to 8th June, 8th & 9th August 2023.
4. Minutes of the 134th meeting of SEIAA held on 13th & 14th November 2023.

ENVIRONMENTAL CLEARANCE NO. 177/B/2023

Rev. Fr. Reji K.J, Managing Director, M/s Dr.K.M.Cherian Institute of Medical Sciences Pvt. Ltd., Umayattukara, Kallissery P.O, Chengannur, Alappuzha submitted an application for Environmental Clearance via PARIVESH for the expansion of the existing Hospital Project, M/s Dr. K.M. Cherian Institute of Medical Sciences Pvt. Ltd. at Sy. Nos. 533/6-3-3, 534/6-1, 534/10-2-2, 534/13-1, 534/13, 534/11,533/6-1-1, 533/7-1, 534/9, 533/6-1-2, 533/7-2, 534/13-2, 534/6, 534/10-2, 534/8-1, 534/8-2, 534/12, 534/10, 534/10/2, in Thiruvandoor Village & Panchayat, Chengannur Taluk, Alappuzha.

I) Project Details

Sl. No.	Description	Details
1	Name of the project	Expansion of the existing Hospital project to be developed by M/s Dr. K.M. Cherian Institute of Medical Sciences Pvt. Ltd
2	Major Project/Activity Category	8(a) Building & Construction Project
3	Name & Address of the project Proponent	Dr. K.M. Cherian Institute Of Medical Sciences Private Limited Koodarathil House, Karuvatta, Adoor Po, Pathanamthitta, -691523
	a) Survey Nos:-	533/6-3-3, 534/6-1, 534/10-2-2, 534/13-1, 534/13, 534/11, 533/6-1-1, 533/7-1, 534/9, 533/6-1-2, 533/7-2, 534/13-2, 534/6, 534/10-2, 534/8-1, 534/8-2, 534/12, 534/10, 534/10/2
	b) Revenue Village	Thiruvandavoor
	c) Taluk	Chengannur
	d) District	Alappuzha
4	Total Built up area	67313.25 m ² (existing 37723.22 sq.m)
5	Plot area	1.9426Ha (existing 1.6092 Ha)
6	Project Cost	27060 Lakhs
7	Daily water Demand	490 KLD
8	Daily power demand	2.5 M.V
9	Daily Solid Waste Generation during operational phase	365 TPA

II) EMP DETAILS

a) Construction Phase

Sl. No.	Particulars	Approx.Recurring Cost/Annum	Approx.Capital Cost	Basis for Cost Estimate
		Rs. In Lakhs		
1.	Medical cum First Aid facility	2.5	1.0	A First Aid medical facility with a trained person with first aid kit.
2.	Portable Toilets type mobile sanitation system	1.25	7.5	Portable Toilets like "Sulabh Sauchalaya" & Portable STP

	& Portable STP			
3.	Supply of drinking water for the labourers	0.5	0.5	Rain water from tank with filtration disinfection, well water supply
4.	Barricading and Wind breakers	5.5	18.0	Barricading around the project site, specially vulnerable location of the existing building blocks. Wind breakers at the marble cutting area
5.	Sprinklers for suppression of dust	2.0	5.2	Sprinklers, pipeline network, online micro filters and pressure pumps
6.	Solid waste from construction site	0.25	0.5	Segregation & Disposal of biodegradable Muncipal Solid Waste through bio-bin system
7.	Ambient Air Quality Monitoring (AAQM)	PM ₁₀ & PM _{2.5} , SO ₂ , NO _x , CO	Quarterly (3 locations, project site & 2 locations downwind)	0.90
8.	Ambient Noise Monitoring	24 Hrs. Noise Level	Quarterly (3 locations, project site & 2 locations sensitive receptors)	0.36
9.	Ground Water & Surface water	1 Sample each	Quarterly (As per IS 10500 Standards)	0.48
TOTAL		44.7		1.74
Grand Total(in Lakhs)		Rs. 46.44		
b) Operational Phase				
1	Sewage Treatment Plant with ultra filtration	25.0	165.0	Capital Cost of STP (total capacity 300KLD) & recurring cost would include operational cost (energy & manpower)
2	Solid Waste Management Plan	7.5	35.5	Capital cost of Coloured bins at appropriate locations of

				composting Bio-bin system/proposed bio/gas generation plant, its recurring cost.
3	Noise Control for D.G.Sets through acoustic enclosures	2.5	16.5	D.G.Sets will be new and will be fitted with acoustic enclosures & hence no separate capital cost & the recurring cost would include minor repair works
4	Chimney for D.G/ Sets Emission	1.5	12.0	The Capital cost would include cost of providing adequate height of stack, ladder and platform and recurring cost would include cost of painting
5	Green Area development (Tree plantation and Grass coverage)	7.75	50.50	Green Area Development Plan (total about 400 trees + other landscape area)
6	Rain Water Storage tanks	25.0	500.0	Capital cost on construction of rain water collection existing & proposed tanks (total 2,000 KL capacity)
7	Solar energy power plant	3.3	65.8	Capital cost on procurement & installation of solar panels (total capacity about 94 kWp)
8	Ambient Air	0.45	Once in Six month (3 locations, project site, upwind & downwind)	PM ₁₀ & PM _{2.5} , SO ₂ , NO _x , CO
9	Stack Emission of D.G.sets	0.10	Once in a year	SPM ₁ , SO ₂ , NO _x
10	Treated Water from Sewage Treatment Plant	0.80	Once in a month	PH, BOD, COD, Oil & Grease, TSS, bacteriological parameters
11	Ground Water & Surface Water	0.24	Once in Six month (As per IS 10500 - Standards)	1 Sample each
12	Noise Level	0.18	Once in	24 Hrs.Noise Level

			Six month (3 locations, project site and 2 locations nearest sensitive receptors)	
TOTAL		917.85		1.77
Grand Total		919.62 Lakhs		

III) CER Details

Sl.No	Activity (2 Storied)	Amount (in Rs.)	Period
1	Construction of School Building of Govt.HSS, Ala, Chengannur	50,00,000	1 st year
		70,00,000	2 nd year
		80,00,000	3 rd year
	TOTAL (Rupees Two Hundred Lakhs only)	2,00,00,000	

2 In the 148th meeting of the SEAC, the Committee recommended EC for a period of 10 years subject to the certain Specific Conditions in addition to the General Conditions:

3. In the 134th Meeting, the Authority decided to issue EC for the expansion of the existing Hospital project, M/s Dr. K.M. Cherian Institute of Medical Sciences Pvt. Ltd. with total built up area of 67,313,25 sq. m for a period 10 years (as per OM dated 13.12.2022) under Category 8(a) 'Building and Construction Projects' subject to the following Specific Condition in addition to the General Conditions:

1. *Climate-responsive design as per Green Building Guidelines in practice should be adopted.*
2. *Vide GO (MS) No. 39/2022/LSGD dated 25.2.2022, the Government of Kerala has introduced Green rating and Green building certification to buildings based on green*

standards. The guidelines published as part of the GO should be adhered to.

- 3. The FAR should be as per the KMBR*
- 4. Appropriate greening measures should be undertaken on the ground as well as overbuilt structures such as roofs, basements, podiums etc.*
- 5. Green belt surrounding the campus, avenue tree planting, and garden development should commence from the beginning of the construction phase. Only local species should be used for green belt and avenue trees. The suggested species are Mimosa elengi (Elengi), Saraca asoca (Ashokam), Diospyros buxifolia (Malamuringa), Michelia champaka (Champakam), Cassia fistula (Kani Konna), Mangifera indica (wild Mango), Syzigium cumini (Njaval), Amertia nobilis (Shim Shipa-at least one), Aegle marmilos (Kovalam), Nyctanthes arbortristis (Parijata), Caesalpinia pulcherrima (Raja malli/Papanasini) Mammea suriga (Suran punna/Naga Kesaram), Azadirachta indica (Neem) etc.*
- 6. The exposed roof area and parking should be covered with material having a high solar reflective index*
- 7. Building design should cater to the differently-abled citizens*
- 8. Provide safe and healthy basic facilities for construction workers as per the Building & Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996*
- 9. Appropriate action should be taken to ensure that the excess rainwater runoff reaches the nearest main natural drain of the area unpolluted and if necessary, the carrying capacity of the natural drain should be enhanced to contain the peak flow*
- 10. Water-efficient plumbing features should be adopted*
- 11. The design of the building should be in compliance to Energy Building Code as applicable.*
- 12. The half-yearly compliance report should have specific details supported with data and evidence instead of general statements.*

13. *The disposal of construction and demolition waste shall be dealt with as per rules, if necessary through the accredited agencies.*
14. *A minimum of 40% energy requirement shall be met with solar energy.*
15. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the Project Proponent should implement the Environment Management Plan (EMP)/CER as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, from the beginning of the project, indicating both physical and financial targets year wise. The EMP/CER shall be implemented in consultation with Local Self Govt. Institutions. A copy of the approved EMP/CER shall be made available to the concerned Panchayat for information and implementation support. The indicated cost for implementation of CER activities shall be 2% of the project cost.*
16. *The Project Proponent shall obtain all necessary clearances/licenses/permissions from all the statutory authorities issuing clearances/ licenses/ permission for the construction projects of this nature*
17. *Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project (Circular No.J-11013/41/2006-IA.II (I) of GoI, MoEF dt.22.09.2008).*
18. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

4. In this circumstance, Environmental Clearance for the Expansion of the existing Hospital Project, M/s Dr.K.M.Churian Institute of Medical Sciences Pvt.Ltd under Category 8(a) 'Building & Construction Projects' at Sy. Nos. 533/6-3-3, 534/6-1, 534/10-2-2, 534/13-1, 534/13, 534/11, 533/6-1-1, 533/7-1, 534/9, 533/6-1-2, 533/7-2, 534/13-2, 534/6, 534/10-2, 534/8-1, 534/8-2, 534/12, 534/10, 534/10/2 in Thiruvandoor Village & Panchayat, Chengannur Taluk, Alappuzha., with a total built-up area of 67313.25 sq.m

(existing 37723.22 sq.m.) subject to the Specific Conditions as in Para (3), in addition to the Specific and General Conditions stipulated in the original EC issued vide paper 1st.

5. The Environmental Clearance will also be subject to full and effective implementation of all the undertakings given in the Application Form, all the environmental impact mitigation and management measures undertaken by the Project Proponent in the documents submitted to SEIAA, and the mitigation measures and waste management proposal as assured in the Form - 1 and Form-1A, Environment Management Plan and Conceptual Plan as submitted. The assurances and clarifications given by the Project Proponent in the application and related documents will be deemed to be part of this Proceedings as conditions as undertaken by the proponent, as if incorporated herein.

7. Validity of the Environmental Clearance will be for 10 years from the date of issuance of E.C, subject to inspection by SEIAA on annual basis and compliance of the conditions, subject to earlier review of E.C in case of violation or non-compliance of any of the conditions stipulated herein or genuine complaints from residents within the scrutiny area of the project.

8. Compliance with the conditions herein will be monitored by the State Environment Impact Assessment Authority or its agencies and also by the Regional Office of the Ministry of Environment and Forests, Govt. of India, Bangalore. Necessary assistance for entry and inspection by the concerned officials and staff should be provided by the project proponents. Instances of violation if any shall be reported to the District Collector, Alappuzha to take legal action under the Environment (Protection) Act 1986.

9. The Half Yearly Compliance Report (HYCRs) with name of the project, EC No. and date, the period of submission with its contents, compliance report and environmental monitoring data & covering letter have to be uploaded in the Parivesh Portal as per O.M. F.No.IA3-22/1/2022-IA-III(E)-17264 dated 14.06.2022 and the website of the Project Proponent. Hardcopy of HYCRs shall not be acceptable.

10. The given address for correspondence with the authorised signatory of the project is Rev. Fr. Reji K.J, Managing Director, M/s Dr.K.M.Cherien Institute of Medical Sciences Pvt. Ltd., Umayattukara, Kallissery P.O, Chengannur, Alappuzha.

Sd/-

**Administrator, SEIAA
For Member Secretary, SEIAA**

To,

Rev. Fr. Reji K.J, Managing Director,
M/s Dr.K.M.Churian Institute of Medical Sciences Pvt. Ltd.,
Umayattukara, Kallissery P.O,
Chengannur, Alappuzha.

Copy to,

- 1) MoEF Regional Office, Southern Zone, Kendriya Sadan, 4th Floor, E&F Wing, II Block, Koramangala, Bangalore-560034.(through e-mail: rosz.bng-mefcc@gov.in).
- 2) The Secretary to Government, Environment Department, Government of Kerala
- 3) The Director, Directorate of Environment & Climate Change, 4th Floor KSRTC Bus Terminal, Thampanoor, Thiruvananthapuram, Kerala 695 001.
- 4) The District Collector, Alappuzha District
- 5) The District Town Planner, Alappuzha
- 6) The Member Secretary, Kerala State Pollution Control Board
- 7) The Chairman, SEIAA, Kerala
- 8) Website
- 9) Stock file
- 10) O/C