



# EMPANELMENT OF BUILDING ENERGY EFFICIENCY EXPERTS

BY ENERGY MANAGEMENT CENTRE-KERALA



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## ABOUT ENERGY MANAGEMENT CENTRE-KERALA

Energy Management Centre-Kerala (EMC), Department of Power, Govt. of Kerala, the first State level organization exclusively for promoting energy conservation came into existence on 07-02-1996. In exercise of power conferred by clause (d) of section 15 of Energy Conservation Act 2001 (Central Act 52 of 2002) Energy Management Centre - Kerala (EMC), is designated as the State Designated Agency (SDA) of Bureau of Energy efficiency, Ministry of Power, Government of India to coordinate, enforce and implement Energy Conservation Act 2001 (Central Act 52 of 2002) in 2003. The Energy Management centre is devoted to the improvement of energy efficiency in all sectors of economy in the State through promotion of energy conservation and encouraging development of technologies related to energy through demonstration programmes, research, training, and awareness creation.

## BEEE EMPANELMENT

Empanelment of Building Energy Efficiency Expert (BEEE) professionals targets at creation of a pool of building professionals in the State of Kerala, to implement the concepts and actions of energy efficiency and conservation in building sector. The promotion of such an expert team is expected to be the spine of the ECBC implementation in the State of Kerala, providing assistance for the design and construction of ECBC compliant buildings.

## Energy Conservation Building Code

The Energy Conservation Building Code (ECBC) was launched in May 2007 by the Bureau of Energy Efficiency (BEE), Ministry of Power. Its main objective is to establish minimum requirements for energy efficient design and construction of buildings. Recognizing the energy and cost savings of efficient buildings and to help address growing energy needs, Government of Kerala has notified Kerala State Energy Conservation (Building Code) Rules 2017-KSECBC (G.O. (P) No.3/2017/PD dated 11th April 2017 vide Kerala Gazette Vol VI, No. 936 dated 8th May 2017). KSECBC states that, any building or building complex in the state of Kerala that have a connected load of 100kW or greater or a contract demand of 120kVA or greater or having an air conditioned area of 500 m<sup>2</sup> or above and buildings that are intended to be used for commercial purposes including office buildings except for buildings with residential purpose or warehouse are accounted under the scope of ECBC compliance. Correspondingly, the ECBC clauses has been incorporated in the Kerala Municipality Building Rules (KMBR) vide G.O (P) No. 77/2019/LSGD dated 2/11/2019 and Kerala Panchayat Building Rules (KPBR) vide G.O.(P) No. 78/2019/LSGD dated 2/11/2019.

The ECBC stipulates mandatory requirements and prescriptive directives for building components and systems.

## WHO CAN APPLY ?

Architects, Licensed Engineers, Certified Energy Auditors / Managers and MEP Professionals who meet the following qualifications can apply to become a BEEE:

1. Should have successfully completed the online certificate course on ECBC compliance check through Energy Simulation organized by EMC- Kerala
2. Green building professionals like LEED-AP, IGBC-AP, GRIHA-Evaluator will be given relaxation on point 1, except appearing for and clearing the online exam.
3. Minimum 2 years of relevant work experience in buildings sector or energy sector or professional teaching experience - must furnish proof of experience.
4. Architects & MEP consultants shall provide the Council of Architecture (COA) registration number/relevant membership details.
5. Shall not be involved in any major litigation that may have an impact affecting or compromising the delivery of services as required under this empanelment.
6. EMC holds right to admit other practising Engineers based on their professional expertise/experience.

## EXPECTED OUTCOME

Creation of sufficient number of experts, in such a way that the requirements expected in the state for energy efficient building design can be met. The BEEE can also take up the requirements expected once the Eco Niwas Samhita (ECBC-Residential) is mainstreamed in the state.

## BENEFITS TO QUALIFIED BEEE

- Publication of list of Building Energy Efficiency Experts (BEEE) in the Energy Management Centre-Kerala online-portal to help professional development.
- A wide knowledge among the builders about BEEE through the publication
- Encouragement of professionals to initiate services on Energy efficient building design as a career
- Readily available contact details of BEEE to help the customers to identify the best and proximate location of BEEE professional
- Rewarding BEEE by giving recognition for the selected professionals for active participation & providing committed services for multiple projects, for ECBC compliance probably through a Kerala State Energy Conservation Awards (to be decided by monitoring committee).



## BEEE EMPANELMENT PROCEDURES

### Training and Evaluation

- Intensive Training on ECBC Compliance Check Mechanism
- Study on suitable methodologies of ECBC Compliance Check
- Handling Approval documentations of ECBC Projects
- The coursework of BEEE, scheduled for a dedicated duration of 16 hours

### Training – cum – Evaluation test

- The building professionals who want to get empanelled by EMC must attend the BEEE training periodically organised by EMC.
- At the end of the training programme, the applicant has to clear the online BEEE qualification test including topics related to ECBC in Kerala Municipality Building Rules & Kerala Panchayat Building Rules, conducted by EMC.
- Failing to clear the above test, the applicant can attend for a re-test and get qualified by the EMC on payment of requisite fee.
- Maximum of only 'two' re-test shall can be availed to the applicant in a year subject to a maximum of four attempts.

### Interview & Empanelment

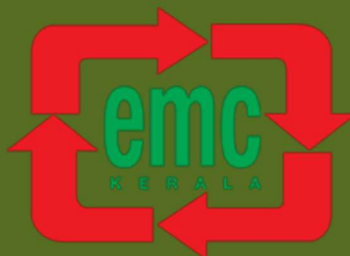
- Applicant has to attend the online interview by the Expert Team of EMC-Kerala.
- Empanelment of BEEE is for a period of 2 years and the applicant has to renew the empanelment after the expiry of tenure.

### Guidelines for Empanelment

- The applicant must submit the online application form <https://forms.glc/kByByNUNtUJppodu7> after remitting the application fee of Rs. 15,000 + GST (Total amount of Rs. 17,850) for professionals. This fee is inclusive of the expenditure towards the training of professionals.
- The applicant is expected to furnish all the details mentioned in the selection criteria clauses and submit the copy along with the application.
- Original certificates are to be provided for verification by applicants at the time of interview. Applicants failing to submit the said documents will not be considered for the evaluation.
- Confirmation towards BEEE Empanelment will entirely be at the discretion of EMC-Kerala.
- Over the confirmation, the annual renewal fees may be specified to the applicant.
- Even though applicant can show preference for constituency/location of practice at the time of interview, so as to enable EMC to allocate applicants availability for specific locations. Allocation of such location of practice do not restrict BEEE to practice in other locations.

### For more details contact:

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