



EMS MEMORIAL CO-OPERATIVE HOSPITAL & RESEARCH CENTRE, PERINTHALMANNA

NABH Accredited and ISO 9001-2015 Certified Multi Super Speciality Hospital

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EMCH/ELE/QT/07/26

25/07/2026

QUOTATION NOTICE FOR ENERGY AUDIT AND SAFETY AUDIT

Sealed quotations are invited for and on behalf of EMS MEMORIAL CO- OPERATIVE HOSPITAL AND RESEARCH CENTRE LTD. NO. M 549, AT PANAMBI, PERINTHALMANNA from experienced agencies in conducting Energy Audits and Hospital Electrical Safety Audits in Hospitals in accordance with NABH Standards, for EMS MEMORIAL CO- OPERATIVE HOSPITAL AND RESEARCH CENTRE LTD. NO. M 549, AT PANAMBI, PERINTHALMANNA.

The detailed scope of work is enclosed as Annexure - 1

Eligibility Criteria

1. BEE Accredited / Certified Energy Auditor
2. Experience in conducting Energy Audit and Electrical Safety Audit in Hospitals / Healthcare institutions.
3. GST Registration, PAN and relevant registration certificates.
4. Copies of work completion / experience certificates.

Submission of Quotation interested agencies shall submit their sealed quotation along with all supporting documents.

IMPORTANT DATES

Commencement of submission: 27/07/2026 at 10.00 AM

Last Date & Time of submission: 08/08/2026 at 3.00 PM

Quotation shall be superscribed "Quotation for Energy Audit & Electrical Safety Audit"

Enclosures

Annexure - 1 - Scope of work

The Hospital reserves the right to accept or reject any or all quotations without assigning any reason.

Panambi, Perinthalmanna

Notice to be published

1. Hospital website
2. Hospital Notice Board



General Manager

ENERGY AUDIT & ELECTRICAL SAFETY AUDIT

SCOPE OF WORK

The energy audit includes assessment of electricity consumption, energy utilization and the performance of major electrical systems including transformers, DG Sets, HVAC, motors, UPS, lighting, STP and Solar Systems. Electrical safety audit shall cover HT/LT installations, earthing, electrical panels and switch gears Operation Theaters, ICU's and other critical Hospital areas in compliance with NABH and applicable statutory requirements. A detailed report with observations, energy-saving opportunities, safety recommendations, and corrective measures shall be submitted.

I) ENERGY AUDIT

1. Study of relevant data such as Electricity Bills, current consumption pattern, current energy utilization.
2. Carrying out necessary measurements of electrical distribution system for harmonic measurement, Lux measurement, measurement of electrical parameters of motor, performance & efficiency test of DG and Transformer.
3. Study of all the motor & its loading system and identifying the inefficient and over size motors including vacuum and air compressors.
4. Detailed analysis of Transformer Losses.
5. DG set performance analysis with KW/ Liter and comparison with actual and OEM design.
6. Study of HVAC system.
7. Study of Power factor with capacitor Bank and without capacitor bank, Respective improvement and study of other electrical losses.
8. Performance evaluation of UPS.
9. Lighting load Consumption and its optimization.
10. Earth pit resistance measurement and equipotential bonding verification.
11. Performance of Roof Top Grid tied Solar system.
12. Performance of Split/ window/ ductable AC.
13. Preparation and submission of reports along with the scope of Energy saving, remedial measures.
14. Any other area to comply the statutory requirement as per NABH norms.

II) HOSPITAL ELECTRICAL SAFETY AUDIT AS PER LATEST NABH NORMS.

The audit shall cover HT/LT electrical installations, transformers, DG sets, UPS, electrical panels and all switch gears earthing system, lightning protection, Operation Theaters, ICU's, CSSD, medical gas plant, STP, laundry emergency power supply systems, fire alarm and firefighting electrical systems, emergency lighting, lifts and all other critical patient care and hospital service areas.

Energy audit to be conducted as per the latest regulations under BE (Bureau of Energy Efficiency).

The energy audit should be conducted by an "BEE" Accredited / Certified Energy Auditor.