



**ENERGY AUDIT CONDITIONAL GRANT RMK-12 FOR
INDUSTRIAL AND COMMERCIAL SECTOR
(GENERAL INFORMATION)**

INTRODUCTION

RMK 12 Energy Audit Conditional Grant Project;

- ❖ Embarked under the RMK12 Energy Efficiency Projects (2021 – 2025).
- ❖ In general, the project component consists of ;
 - **Energy Auditing** (2 months)
 - **Implementation of the Energy Saving** Measures, including Monitoring & Reporting (3 years).
 - **Capacity building & trainings.**
- ❖ Energy audit is a systematic process to understand how and where the energy being used, to explore on how to manage it and identify the energy savings potential.



INTRODUCTION

RMK 12 Energy Audit Conditional Grant Project;

- ❖ Implementation of project;
 - Executing Ministry : Ministry of Energy and Natural Resources(KeTSA).
 - Secretariat : Energy Commission
 - Implementing agencies : SEDA Malaysia.



OBJECTIVES

- ❖ To provide awareness the importance of implementing energy audits as part of energy efficiency and conservation exercise.
- ❖ To provide financing assistance to the eligible applicants through grant, as a catalyst for the implementation of energy audit, in order to identify the current energy consumption pattern, setting the Baseline and identify the energy savings potential.
- ❖ To provide a platform and facilitation for the implementation of energy saving measures based on the energy audit report outcome.
- ❖ To ensure electrical energy saving achieved through the implementation of the energy saving measures proposed in the energy auditor report.
- ❖ Development of capacity building in industry to meet the demand of energy audit activity in the commercial sector / industry.

WHO ARE ELIGIBLE TO APPLY

❖ Any existing installation (commercial & industrial sector).

- Any installation (industrial and commercial) which receives electrical energy from a licensee or supply authority with a total electrical energy consumption equal to or exceeding 3,000,000 kWh as measured at one metering point or more over any period not exceeding six consecutive months;
- Any installation which is used, worked or operated by a private installation licensee with a total net electrical energy generation equal to or exceeding 3,000,000 kWh over any period not exceeding six consecutive months;
- For Sarawak state, the applicants must submit the latest electricity bill (SESB) for 6 consecutive months whereby the total 6 months consumption shall be equal or higher than 3,000,000 kWh.
- Installation listed under the Efficient Management of Electrical Energy Regulation 2008 (EMEER) by Energy Commission, are eligible to apply (excluding Sarawak);
- Applicant shall appoint or designate a Registered Electrical Energy Manager (REEM) to carry out the functions and duties (excluding Sarawak);



***Applicant** is building owner/management

***Auditor** is a registered ESCO with ST, to be appointed by the applicant



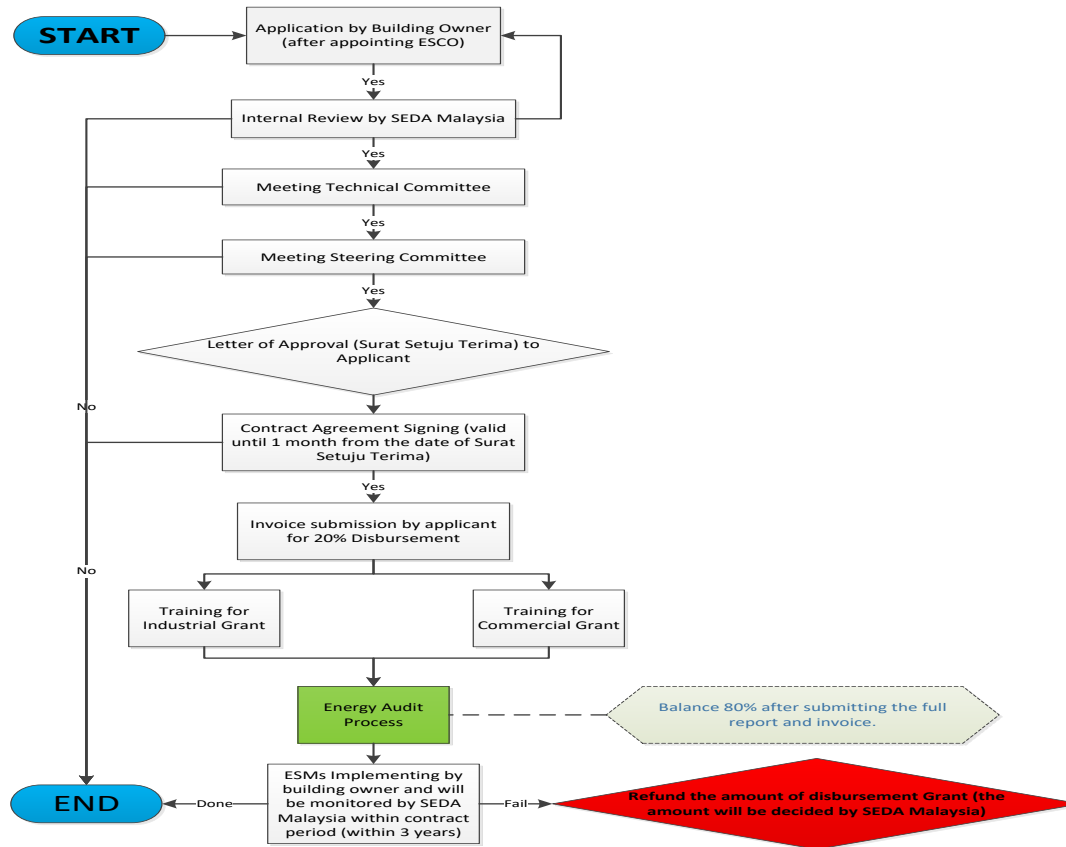
THE CONDITION OF THE ENERGY AUDIT GRANT

- 1) The energy audit shall be **conducted by the Energy Service Company (ESCO)** registered with Energy Commission / relevant authorities (for buildings in Sarawak).
 - 2) The energy audit exercise must be **completed within 2 months** starting from the date of contract signing (date of stamping) with SEDA Malaysia.
 - 3) **To implement energy saving measures.**
 - The cost of implementation is equal or more than the amount of energy audit grant received.
 - 4) The implementation of the energy saving measures are;
 - **according to energy audit report**, and
 - shall be **within 3 years** after the energy audit completed.
- ❖ However, for the benefit of the applicant, the No Cost Energy Saving Measures should be implemented immediately**

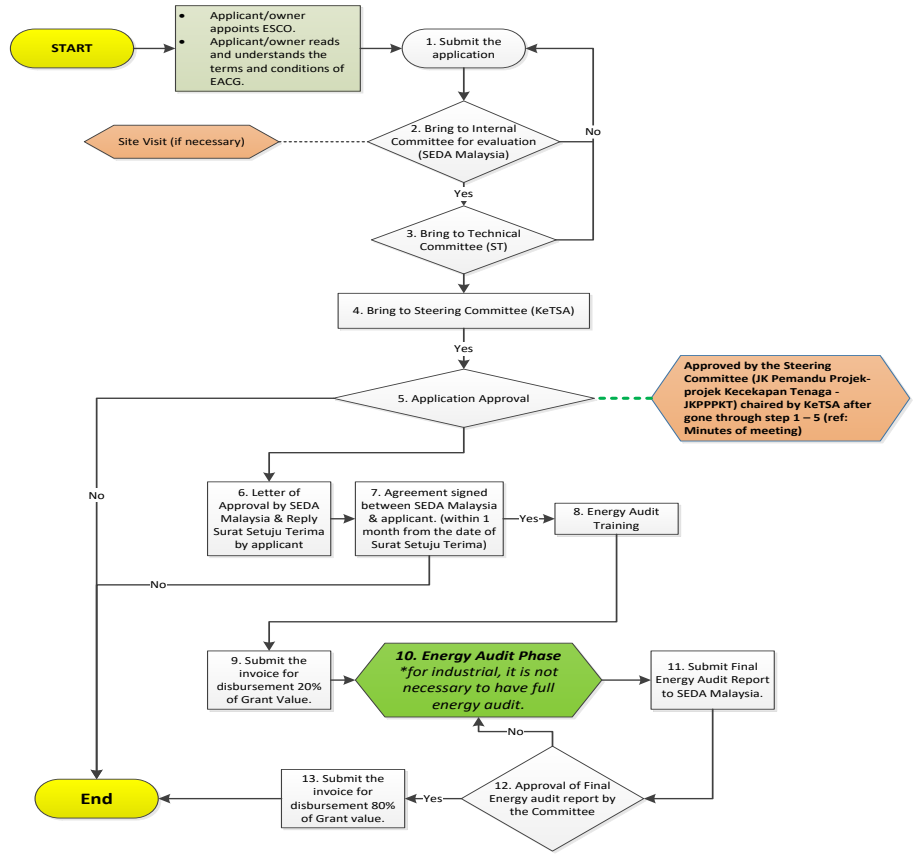
THE CONDITION OF THE ENERGY AUDIT GRANT

No	Recommended ESMs in the Energy Audit Report	Minimum energy saving to achieve in percentage		Period of implementation
		Commercial	Industrial	
1	No Cost Energy Saving Measures	5%	3%	1 st year
2	Low Cost Energy Saving Measures	7%	3%	2 nd Year
3	Medium/High Cost Energy Saving Measures	8%	4%	3 rd Year
TOTAL MINIMUM ENERGY SAVING		20%	10%	

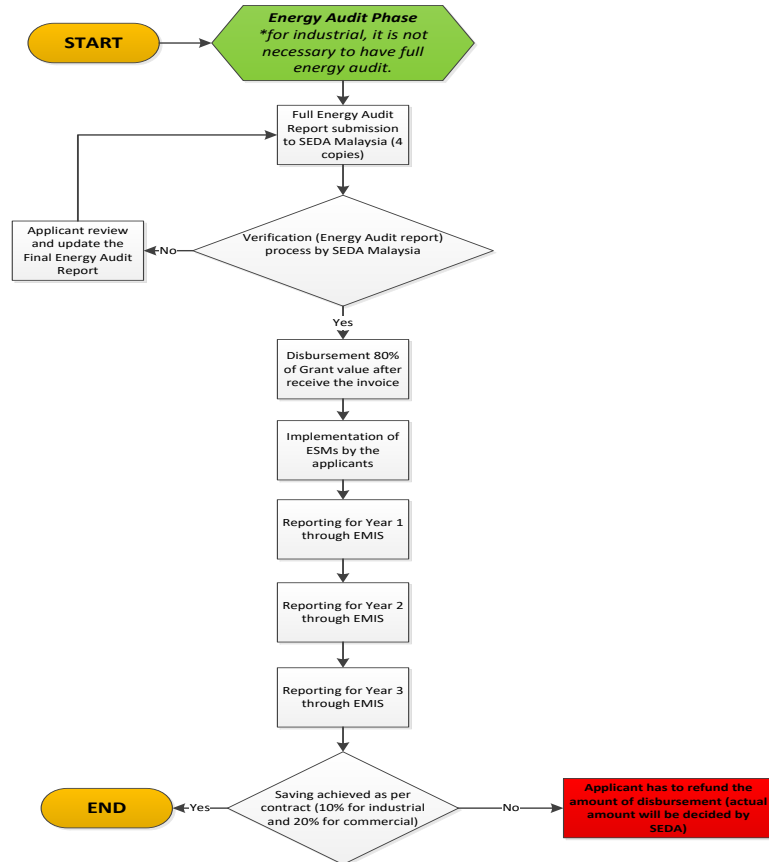
OVERALL PROCESS FLOW CHART



APPLICATION PROCESS FLOW CHART



REPORTING AND MONITORING FLOW CHART



TERMS OF REFERENCE (Implementation of ESMs)



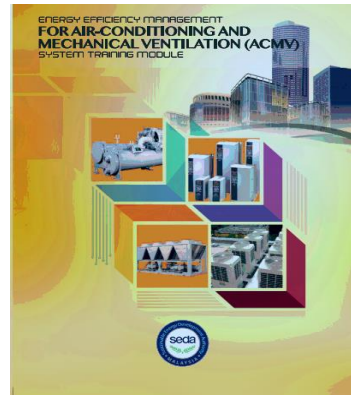
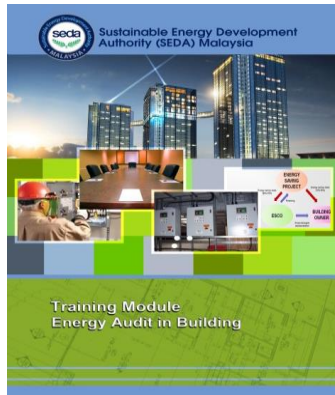
Within 3 years after energy audit exercise completed, applicants are responsible to;

- ❖ **Implement the energy saving measures** recommended in the energy audit report submitted by the ESCO in this project.
- ❖ Submit implementation progress report to SEDA Malaysia and EMIS system provided by ST.
- ❖ **Attend the energy audit & energy management training** organised by SEDA Malaysia under the project to ensure continuous development of capacity building within the organisation. (**may be organised earlier –during phase 1*)
- ❖ **Communicate / liaise with SEDA Malaysia** to ensure proper implementation of energy saving measures.

Increase Local Expertise In Energy Management Through Capacity Building



- Attend energy management-related training by SEDA Malaysia.
- Continuous capacity building.
 - Energy Management in Buildings
 - Energy Efficient Management in ACMV System
 - Principal & Application in Compliance to MS1525
 - Energy Audit in Buildings





CONTACT INFORMATION

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THANK YOU






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