
DEVELOPING A REGULATORY FRAMEWORK FOR MALDIVES ENERGY SECTOR

ENERGY LABELLING REGULATIONS

Prepared for:

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ABBREVIATIONS

EPC	Energy Performance Certificate
HCFC	Hydrochlorofluorocarbons
MEA	Maldives Energy Authority
MEPS	Meeting the Minimum Energy Performance Standard

1 CITATION AND COMMENCEMENT

1.1 CITATION

These Regulations made by the Maldives Energy Authority (MEA) on the recommendation of the Ministry of Environment and Energy, under Public Utilities Law 4/96 (the Act), and the Presidential decrees under the provisions of the Act, may be cited as the Energy Labelling Regulations 2012 and shall come into force on

1.2 ENERGY LABELLING REGULATIONS, 2012

1.2.1 DEFINITIONS

TERM	DEFINITION
Accredited laboratory	A laboratory that has been formally recognized by the MEA as having technical competence and appropriate quality assurance programs to carry out specific tasks associated with establishing energy performance standards of appliances.
Act	Public Utilities Law 4/96
Appliance	Any device which consume energy to deliver a predetermined service or to perform a predetermined function
Approved test facility	A facility maintained by a manufacturer of appliances that has been formally recognized by the MEA as independent and as having technical competence and appropriate quality assurance programs to carry out specific tasks associated with establishing energy performance standards of appliances.
Certification	Acceptance of an Energy Performance Certificate by MEA and issuance of a certificate in that regard
Consumer	A consumer of electricity in Maldives and includes a prospective customer.
Current Consignment	A consignment of products which await a response from MEA to be granted either a EPC or Energy Labels
Customs	Maldives Customs Service
Director	Director, Regulations Unit of the MEA
Energy Label	A graphical symbol which provide an immediate indication of the energy performance of a product, among other useful information
Energy Performance	A general term which describe the productivity of a given appliance in terms of service or function delivered by it for a given energy input
Energy Performance Certificate	A document which contain an extract of most important information from an Energy Performance Test Report
Energy Performance Standards	A specification containing one or more performance requirements for an appliance, derived out of from a particular test procedure that specifies how performance is measured.
Energy Performance Test Report	A report produced by a specialised laboratory on energy performance of an appliance, derived out of from a particular test procedure that specifies how performance is measured.
Minimum Energy Performance Standards	A limit imposed by a governing body on maximum energy consumed by an appliance in meeting performance requirements.
Product	Any device which falls into the broad category of devices identified with a particular Scheduled Appliance which await the issuance of Energy Performance Certificate(EPC) and Energy Label
Product Compendium	A collection of documents related to the supply of Scheduled Appliances to the Republic of Maldives
Registered Supplier	Any person who is issued with a valid EPC
Schedule	Means a Schedule to these Regulations.
Scheduled Appliance	An appliance selected by MEA as required to be included in the Energy Performance Standards and Labelling Programme
Supply	The activities related to a sale of appliance to an end user such as manufacturing, importing, storage, value addition, distribution and retailing

1.2.2 GENERAL INTERPRETATION

1. When a word or a phrase that is defined in the "Definitions and Abbreviations" is more particularly defined in another Code and if there is any inconsistency between the two definitions, the latter or that particular definition shall prevail.
2. Any reference to a gender shall include all genders.
3. Any reference to a person or entity shall include an individual, partnership, company, corporation, association, organization, institution, or other similar groups.
4. Unless otherwise specified, singular shall include the plural and vice-versa.
5. The word "including" or a grammatical variation thereof means "including but not limited to"
6. A reference to a standard shall include any revision, update or a replacement of that standard.

2 INTRODUCTION

Energy Labelling Regulations 2012 is enforced to:

- a) establish scheme of determining energy performance standards of appliances;
- b) specify the minimum energy performance standards of appliances;
- c) establish the rules, procedures and requirements for the energy performance standards and labelling programme including:
 - i. selection of appliances for scheduling
 - ii. registration of a product when an appliance is scheduled
 - iii. entertaining product modifications and changes
and
 - iv. issuance of energy performance certificates and energy labels

3 APPLICABILITY

These Regulations shall be applicable to all appliances scheduled by MEA for energy performance standards and labelling programme from time to time

4 OBJECTIVES

Objectives of the Energy Labelling Regulations 2012 are to:

- a) Establish a process to evaluate energy performance of appliances and rank products in order to prevent inefficient products from being used and to encourage the use of efficient products in the Republic of Maldives
- b) Enable market transformation to allow better purchase decisions by consumers favouring both personal and national economic benefits are realised simultaneously
- c) Appropriate procedures are followed in registering a product in the energy performance standards and labelling programme
- d) Streamline the manufacture and import of appliances
- e) Prohibit the use of HCFC in refrigerators and air-conditioners in line with the HCFC phase out plan of the Ministry of Environment and Energy.

5 SCHEDULING OF APPLIANCES

The administration and enforcement of these regulations shall be the responsibility of the Director.

5.1 SELECTION OF APPLIANCES

Selection of appliances for scheduling will be done by considering the following aspects:

- i. Share of national energy consumed by a particular appliance, determined by the population of an appliance and actual energy used by all sub products coming under the particular category of appliances
- ii. Impact of the appliance on energy supply system determined by the power of the appliance and such other factors as time of use and variation of intensity of use in a typical weather cycle
- iii. Ease of establishing energy performance and ready availability of energy performance data for a given appliance

5.2 IMPLEMENTATION TIMEFRAME

1. Appliances given in Schedule I of these regulations shall be identified as Scheduled Appliances which means that such appliances will have to carry an Energy Performance Certificate issued by the MEA prior to being manufactured or imported.
2. Any person desirous of manufacturing or importing a product categorised as a Scheduled Appliance shall conform to the energy performance standards and labelling programme which is based on the following milestones:

a) Meeting the Minimum Energy Performance Standard (MEPS)	(Immediately)
b) Affixing energy label (Voluntary)	(within year 1)
c) Affixing energy label (Mandatory)	(within year 3)
d) Phasing out of products which fail to meet MEPS	(after year 3)
e) Introduction of efficiency based duty/taxation	(after year 4)
f) Revision of energy performance standards	(at 2 year Intervals from year 5 onwards)

Persons who are desirous of carrying out the importation of Scheduled Appliances outside the conditions laid down in these regulations may continue with the prevalent practices until the elapse of 3 calendar years of scheduling that particular Scheduled Appliance.

3. MEA may retract any energy performance certificate or energy label given to any product, giving reasons for such retractions.

6 PRODUCT CERTIFICATION

Products categorised under a Scheduled Appliance shall seek certification by MEA through a process of application for product registration, product registration, issuance of energy performance certificate and affixing of an energy label.

6.1 ACCEPTANCE OF TEST CERTIFICATES, TESTING OF PRODUCTS, ACCREDITED LABORATORIES AND APPROVED TEST FACILITIES

1. Products categorised under a Scheduled Appliance shall carry a test certificate after being tested in accordance with the test procedures recognised in Schedule II in an accredited laboratory or an approved test facility, and the test certificate for the product shall be presented to the MEA when an application is made to register a product to MEA.
2. Energy performance certificate shall be obtained from an accredited laboratory or an approved test facility of a product manufacturer and must be supported with a product performance fact sheet signed by an authorised person from the accredited laboratory or the approved test facility. In the event of failure to get such a fact sheet signed by an authorised person, MEA shall consider the original test certificate and issue an energy performance certificate by translating the parameters contained therein to suit the Maldivian programme requirement.
3. MEA shall accredit laboratories from time to time to examine, test and certify energy performance of appliances, and only a laboratory accredited by the MEA shall be deemed to be an "accredited laboratory" for the purposes of these regulations.
4. MEA may also approve test facilities operated by appliance manufacturers from time to time to examine, test and certify energy performance of appliances, and only such test facilities approved by the MEA shall be deemed to be an "approved test facility" for the purposes of these regulations.

6.2 REGISTRATION OF A PRODUCT

1. An application to register a product can be made by any person for any product coming under the category of Scheduled Appliances:
 - a) using the relevant electronic form provided at <http://www.mea.gov.mv/????>;
 - b) using a printed copy of the application; or
 - c) manner specified by the Director from time to time
2. Applications referred to in 6.2.1 shall be accompanied by:
 - a) an energy performance test report issued by an accredited laboratory or an approved test facility in respect of the product showing the energy efficiency of such goods and such other information as the Director may require;
 - b) such documents and information as may be required in the relevant form; and
 - c) a non refundable fee specified in the Schedule III.
3. Applications made under 6.2.1 above for registration of a product will be entered in a register maintained by Director for that purpose and an identification number will be issued to the applicant in acknowledgement of the application with in such form as the Director may determine.
4. Upon meeting the requirements prescribed in Schedule I, and Director is satisfied that the product performance is above the MEPS, the Director shall issue an Energy Performance Certificate (EPC) to the applicant within a period of 1 calendar month from the date of receipt of application.

5. In the event the application failing to meet the requirements prescribed in Schedule I, or the Director is not satisfied about the product performance which is below the MEPS, the Director shall issue a letter rejecting his application to the applicant with the reasons attributed to the rejection of his application and concise remarks on the grounds of rejection shall be entered in the register maintained by the Director under 6.2.3.
6. The Director shall maintain a product compendium for Scheduled Appliances where a separate folder will be opened for secure archival of all documents related to a particular application when a new application is made.
7. An applicant issued with an EPC shall provide 1 month advance notice to the Director of any change to any of the particulars provided to the Director when making an application under 6.2.1.

6.3 AFFIXATION OF ENERGY LABELS

1. Upon issuance of EPC, the applicant assumes the status of Registered Supplier of products for which he carries a valid EPC issued by MEA and is eligible to affix an energy label on the product as prescribed in Schedule I.
2. Registered Suppliers can request a clearance letter from MEA to facilitate the clearance of products from Customs. The request shall be accompanied by the shipping documents, proof of affiliation of the EPC and the batch of products in the current consignment for MEA to prepare the energy labels for the current consignment.
3. Upon production of the clearance letter of MEA at the Customs, the Registered Supplier shall provide a customs clearance document with details of the shipment to MEA, on which the number of Energy Labels required for the current consignment.
4. Where any improvement is made to a particular product by the manufacturer, the Registered Supplier, before considering supply of the improved product shall:
 - a) provide written notice to the Director of the likely change in energy performance;
 - b) submit a test report for the improved product, and any other information the Director may request for; and
5. MEA shall file the notice, test report and other information in the relevant folder of the product compendium described in 6.2.6 to maintain the product history

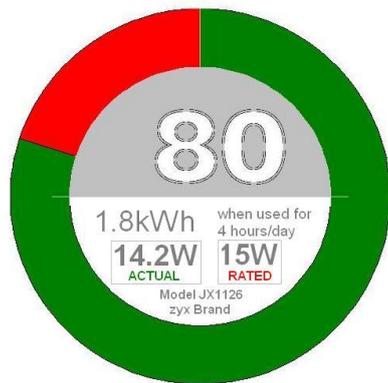
7 ENERGY LABEL

MEA shall undertake to secure print energy labels for Scheduled Appliances and store sufficient number of such Energy Labels to facilitate supply of energy efficient appliances to the Republic of Maldives.

7.1 FORMAT, DIMENSIONS AND SIZE OF ENERGY LABELS

1. Energy labels for Scheduled Appliances shall have the following information displayed prominently:

- a) Rated power (in Watt or other appropriate unit)
 - b) Energy consumption per month and the likely duration of operation per day which is assumed for estimating monthly energy use by the product
 - c) Actual power consumption (in Watt or other appropriate unit)
 - d) Model number
 - e) Brand name
2. The toroidal form of the label designates the energy rating, green segment indicating the grading achieved by a particular product and the red segment indicating the room for improvement. The digit on the middle illustrates it numerically. The label should display all information given in the 7.1.1.
 3. The product with the best performance shall receive a coveted green circle label with entire toroidal form presented in green colour as shown in Schedule I.



[label format presented only for indicative purposes, actual label format and information to be included in the label to be decided by MEA]

4. Registered Suppliers shall affix the secure printed label to the product carrying the relevant EPC and use the relevant label insignia in promotional material.

8 PROHIBITIONS AND OFFENCES

1. Any person who is supplying products coming under the broad category of products coming under a Scheduled Appliance are prohibited from using any graphic affixed to the product or in promotional material which imply the Energy Label depicted in 7.1.3 without a valid EPC affiliated to such a product.
2. Affixation of an energy label onto any other product which is different to the product which carries the EPC affiliated to the said energy label is prohibited under these regulations.
3. Supplying products which carries an Energy Label issued by MEA and subsequent to retraction of EPC and Energy Label by MEA under the provisions of 5.2.3 is prohibited.
4. Any person who contravenes 6.2.7 shall be guilty of an offence and shall be liable on conviction to a fine as prescribed in Schedule III.
5. Affixation of any graphic which imply an Energy Label depicted in 7.1.3 which carry any false information in comparison with the data available in the EPC to a product is prohibited.

9 CONSEQUENCES

1. Any person who is convicted for an offence or who is found guilty for committing a prohibited act under these regulations would be subjected to fines as prescribed in Schedule III.
2. Any consignment of products which was found to be wrongfully associated with an EPC or and Energy Label not issued on its behalf will be disposed or destroyed, as the case may be. MEA may also request the cost incurred in the disposal or the destruction of the consignment, to be borne by the supplier.

9.1 POWER TO AMEND

The Authority shall, at all times have the power, either on an application made by any interested or affected party or *suo moto*, to review, revoke, revise, modify, amend, alter or otherwise change any order made or action taken by the Officers of the Authority, if the Authority considers the same to be appropriate.

9.2 POWER TO REMOVE DIFFICULTIES

If any difficulty arises in giving effect to any of the provisions of these Regulations, the Authority may, by general or special order, do anything not being inconsistent with the provisions of the Act, which appears to it to be necessary or expedient for the purpose of removing the difficulties

SCHEDULE I

ENERGY PERFORMANCE STANDARDS AND LABELS

ENERGY PERFORMANCE STANDARD	ENERGY LABEL	RELATIONSHIP WITH OTHER STANDARDS
PERFORMANCE GRADE > 90 GREEN CIRCLE		
80 < PERFORMANCE GRADE < 89		
60 < PERFORMANCE GRADE < 79		
40 < PERFORMANCE GRADE < 59		
20 < PERFORMANCE GRADE < 39		

PERFORMANCE GRADE = (Attribute 1 × Weight a) + (Attribute 2 × Weight b) +

SCHEDULE II**ACCEPTED ENERGY PERFORMANCE TEST CERTIFICATES**

ENERGY PERFORMANCE STANDARD TESTING METHOD	ACCREDITED LABORATORY	APPROVED TEST FACILITY
ISO 5151 (1994)	??	??
JIS C 9612 (1994)	??	??
ISO 5151 (1994)	??	??

SCHEDULE III**FEES, FINES AND COSTS**

REASON FOR PAYMENT	PAYMENT MRF	FREQUENCY
Application fee for registration	??	ONE TIME
Request for clearance letter	??	ON EACH CONSIGNMENT
Change of performance level	??	ON EACH CHANGE
Fine imposed on wrongful depiction of energy label	??	UPON CONVICTION
Continued depiction of energy label after retraction of EPC by MEA	??	UPON CONVICTION
Change of performance of product without prior notice to MEA	??	UPON CONVICTION
Presentation of misleading information on an energy label	??	UPON CONVICTION