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# **The Hong Kong Voluntary Energy Efficiency Labelling Scheme for**

## **Electric Rice Cookers January 2017**

**Energy Efficiency**  **EMSD**

Electrical and Mechanical Services Department

3 Kai Shing Street, Kowloon, Hong Kong

Homepage: <http://www.emsd.gov.hk>

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## 1. Purpose

- 1.1 This set of document is intended to give a general description to the Hong Kong Voluntary Energy Efficiency Labelling Scheme for Electric Rice Cookers (the Scheme).

## 2. Background

- 2.1 The Energy Efficiency Labelling Scheme (EELS) is an energy conservation initiative that the Government of the Hong Kong Special Administrative Region (HKSAR) has adopted. Under the EELS, some common types of household electrical / gas appliances and office equipment will incorporate an energy label that serves to inform consumers of the product's energy consumption and efficiency. Consumers should then be able to take those factors into account in making their purchasing decision.
- 2.2 The concept of EELS has been implemented in several forms and in different stages of development in many countries. The EELS generally aims to achieve:
- greater public awareness of energy conservation and environmental improvement needs;
  - provision of readily available, pre-purchase information on energy consumption and efficiency data to enable ordinary consumers to select more energy efficient products;
  - stimulation to the manufactures/market for phasing out less energy efficient models; and
  - motivation of the actual energy savings behaviours and environmental improvements.
- 2.3 Hong Kong aims at achieving the above objectives. At present, the Hong Kong Voluntary Energy Efficiency Labelling Scheme covers 22 types of household electrical / gas appliances and office equipment. Amongst them, 13 types are electrical appliances, 7 types are office equipment, and 2 types are gas appliances.

**3. Scope**

- 3.1 The Scheme will only apply to the manufacturers and importers (i.e. local agents, retailers and the related parties) of electric rice cookers who are interested to or have participated in the Scheme.
- 3.2 The Scheme commenced from 28 December 2001. It is further revised on 1 January 2017. The existing and newly registered labels will remain valid till 31 December 2019. By then, re-registration may be required subject to the review of the Scheme.
- 3.3 The Scheme applies to electric rice cooker with electric heating elements for heating source operated at atmospheric pressure and the maximum rated power consumption not exceeding 2 kW.
- 3.4 The Scheme does not cover induction heating type electric rice cookers.
- 3.5 The scope of the Scheme covers all new registered electric rice cookers imported to or manufactured in Hong Kong with effect from the date that is declared by the participant but does not cover the second-hand products, products already in use, under trans-shipment or manufactured for export, etc.
- 3.6 The Scheme is operated as a ‘Recognition Type’ labelling system. All participating electric rice cookers will be recognised and registered under this scheme provided that they have met the energy efficiency and performance requirements as stipulated in the scheme.

**4. Definitions**

Unless otherwise specified, the following definitions shall apply throughout this document:

Authority	means the Electrical & Mechanical Services Department (EMSD), the Government of the HKSAR
Director	means the Director of Electrical & Mechanical Services Department.
Government	means the Government of the HKSAR.

heat efficiency (%)	means the ratio of the heat received in the electric rice cooker at a given time to the power input to the electric rice cooker.
inspecting officer	means the officer authorized by the Director to carry out inspection on electric rice cookers.
label	means the energy label as described in Section 8 of this document.
mains electricity	means the electricity that is supplied in Hong Kong at a voltage of 380/220 V and a frequency of 50 Hz
participant	means the manufacturers, importers or the retailers of electric rice cooker participating in the Scheme.
rated capacity	means the capacity marked on the nameplate declared by the manufacturer or responsible importer / distributor of the electric rice cooker(s).
rated frequency	means the frequency marked on the nameplate declared by the manufacturer or responsible importer / distributor for the electric rice cooker(s).
rated voltage	means the voltage marked on the nameplate declared by the manufacturer or responsible importer / distributor for the electric rice cooker(s) .
rated wattage	means the wattage marked on the nameplate declared by the manufacturer or responsible importer / distributor for the electric rice cooker(s).
recognized laboratory	means a laboratory that complies with the requirements as stated in Section 9 of this document and is acceptable to the Authority for carrying out tests and issuing test reports on electric rice cookers.
The / This Scheme	means the Hong Kong Energy Efficiency Labelling Scheme for Electric Rice Cookers

## 5. Test Methodology and Technical Standard

### General

- 5.1 All test standards and specifications specified in this document are only related to checking compliance with the energy efficiency and general performance requirements. It is not the intention of this document to detail out the test standards and requirements for checking compliance with the Electrical Products (Safety) Regulation of the Hong Kong Special Administrative Region. The participant should conduct appropriate tests, where necessary, in addition to those specified in this document in order to obtain Certificates of Safety Compliance for his electric rice cookers.

### Tests Required to be Carried Out

- 5.2 The tests for the aforementioned requirements in sections 6 should be carried out according to the test methods as specified in “GB 12021.6 - 2008 << 自動電飯鍋能效限定值及能效等級 >> Minimum allowable values of energy efficiency and energy efficiency grades for automatic electric rice cookers”. If there is more than one type of inner pot, tests should be conducted for each type of inner pot test for the electric rice cooker. All the test results must be in compliance with requirements stated in sections 6.

### Test Condition

- 5.3 During the tests described in clause 5.2, the electric rice cooker shall be tested at a voltage of  $220V \pm 6\%$  and a frequency of  $50Hz \pm 1Hz$ . Unless the Director approves, the following test conditions must be comply with –
- (a) relative humidity :  $45\% \sim 75\%$  ;
  - (b) atmospheric pressure :  $86\text{ kPa} \sim 106\text{ kPa}$  ;
  - (c) ambient temperature :  $23^{\circ}\text{C} \pm 2^{\circ}\text{C}$  and without influence of air flow and heat radiation in the test venue.

### Initial Test Conditions

- 5.4 Before each test, the inner pot, hot plate, electric rice cooker case and ambient temperature difference should not exceeding  $5^{\circ}\text{C}$ , or electric rice cooker does not work at least 6 hours.

## Heat Efficiency Test Method

- 5.5 The initial water temperature  $T_1$  should be consistent with the ambient temperature. It is measured while the amount of water added to the inner pot using the weighing method is reached to 80% of its rated capacity. Without affecting the normal cooking state of the electric rice cooker, pass the thermocouple through the lid and fix the test point of the thermocouple within a diameter of 50mm from the centre point of the cylinder and at a distance of  $(10 \pm 5)$  mm from the bottom of the inner pot. Supply mains electricity under the conditions specified in clause 5.3 and measure the energy consumption of the electric rice cooker with an energy meter.

Cut off the power supply immediately and read the energy consumption when the water temperature inside the pot reached 90°C. Due to the heat capacity of the heating element and the delay reason, the water temperature inside the pot will continue to rise after the power is turned off. Observe the water temperature inside the pot to drop and read the highest water temperature  $T_2$ . Calculate the heat efficiency with equation 1.

$$n = \frac{1.16G (T_2 - T_1) * 100}{E} \dots\dots\dots \text{(equation 1)}$$

where

- n = Heat Efficiency (%), accurate to one decimal place;
- G = mass of water required for the test (kg);
- $T_1$  = initial water temperature (°C);
- $T_2$  = highest water temperature (°C);
- E = energy consumption (W · hr) under the test.

## Power Consumption for Warm-keeping Test Method

- 5.6 Heat up the inner pot after an amount of water equal to 80% of the rated capacity is added. Try to fix the test point within a diameter of 50mm from the centre point of the cylinder and at a distance of  $(10 \pm 5)$  mm from the bottom of the inner pot. When the water temperature reaches 90 °C, force the electric rice cooker into the warm-keeping mode and start to take record of the energy consumption. Measure water temperature values at the 4<sup>th</sup> hour, the 4.5<sup>th</sup> hour and the 5<sup>th</sup> hour; three specific time hours respectively. Take the average of these three temperature readings as the warm-keeping temperature. During the test, the warm-keeping temperature must be between 60 °C to 80 °C. The power consumed during the 5 hours test period is hence measured for the derivation of the energy consumption for warm-keeping per hour.



## Standby Energy Consumption Test Method

- 5.7 The energy consumed at a duration of 4 hours by the electric rice cooker at the standby mode is measured. The standby energy consumption per hour is calculated.

## 6. Energy Efficiency Requirements

### Heat Efficiency Requirement

- 6.1 The heat efficiency of electric rice cooker should be equal to or greater than the corresponding minimum allowable value as indicated in Table 1 –

**Table 1: Minimum Allowable Heat Efficiency**

Rated Wattage (P)	Minimum Allowable Heat Efficiency (%)
$P \leq 400W$	76
$400W < P \leq 600W$	77
$600W < P \leq 800W$	78
$800W < P \leq 1000W$	79
$1000W < P \leq 2000W$	80

### Power Consumption for Warm-keeping Requirement

- 6.2 The power consumption of electric rice cooker for warm-keeping should not exceed the corresponding maximum allowable value as indicated in Table 2 –

**Table 2: Maximum Allowable Power Consumption for Warm-keeping**

Rated Wattage (P)	Maximum Allowable Heat Efficiency (%)
$P \leq 400W$	40
$400W < P \leq 600W$	50
$600W < P \leq 800W$	60
$800W < P \leq 1000W$	70
$1000W < P \leq 2000W$	80

### **Standby Power Consumption Requirement**

- 63 If the standby function is available in any electric rice cooker, the standby power consumption of the electric rice cooker should not exceed 1.6 Whr.

### **Rated Wattage Requirement**

- 6.4 The deviation between the rated wattage and wattage taken from the actual test should not exceed  $\pm 5\%$ .

### **Rated Capacity Requirement**

- 6.5 The actual volume of the inner pot should not be less than 95% rated capacity of the electric rice cooker.

## **7. Performance Requirements**

- 7.1 All test standards and specifications specified in this Scheme are only related to checking compliance with the energy efficiency and general performance requirements of the electric rice cooker.

### **Safety Requirements**

- 7.2 In addition to the performance requirements, all electric rice cookers shall comply with the Electrical Products (Safety) Regulation, Chapter 406G of the Laws of Hong Kong, and the safety standards specified under the Regulation, and all other legislation concerning the safety of the electric rice cookers.

### **Number of Samples to be Tested**

- 7.3 For submission of product information of an electric rice cooker model under clause 10.4 of the Scheme, a test report on one sample of the model shall be submitted.

## **8. Energy Label**

- 8.1 The specification of the energy label for electric rice cooker is shown in Annex 1. After a reference number has been assigned to a product model in the name of a specified person and included in the Director's record, the specified person shall produce the energy label for his/her products of the listed model showing the information in strict accordance with the requirements in Annex 1.

- 8.2 (a) Subject to clause 8.2(c), the energy label is to be attached or affixed to a prominent position of the electric rice cooker and is to be clearly visible. The participant should ensure that the label appears on every registered electric rice cooker on display, sale or hire.
- (b) For the avoidance of doubt, if only part of the electric rice cooker is being exhibited, the energy label is to be attached or affixed to a prominent position of that part and is to be clearly visible.
- (c) The energy label may be attached to the electric rice cooker or its packaging in a manner specified by the Director where the Director has approved its being so attached.
- 8.3 The energy label shall be of cardboard, if it is to be attached as a swing tag, or be self-adhesive and shall be cut to the outline shown in Annex 1 or otherwise approved by the Director. A trim or die cut margin of up to 2 mm around the energy label is acceptable.
- 8.4 The paper used for the energy label shall be durable with good wear and tear characteristics.
- 8.5 The energy label should be printed in both Chinese and English. Soft copy of the energy label can be obtained from Energy Efficiency Office, Electrical and Mechanical Services Department.

## **9. Testing Facilities, Laboratories & Accreditation Bodies**

- 9.1 The testing shall be carried out either by independent test institutes or by the manufacturers or by the importers themselves at their own test facilities. The Authority will accept the results and certificates issued by the test laboratory, which fulfill one of the following criteria as specified in clauses 9.2, 9.3 or 9.4.
- 9.2 The laboratory is accredited to “GB 12021.6 - 2008 << 自動電飯鍋能效限定值及能效等級 >> Minimum allowable values of energy efficiency and energy efficiency grades for automatic electric rice cookers” and by the Hong Kong Accreditation Service (HKAS) for the relevant test under the Hong Kong Laboratory Accreditation Scheme (HOKLAS) or a scheme with which HKAS has concluded a mutual recognition agreement (MRA) #, and the results are issued in a test report or certificate bearing the accreditation mark.

- # *HKAS has concluded mutual recognition arrangements with overseas accreditation bodies for testing laboratory accreditation. The list of mutual recognition arrangement partners may change from time to time and the up-to-date list is available from the HKAS website of [www.info.gov.hk/fitc/hkas](http://www.info.gov.hk/fitc/hkas). Partners to these arrangements recognise the accreditations granted by one another as equivalent.*

9.3 The Authority will also consider the following –

- (a) Self-certification by original manufacturers that the operations of their in-house laboratories satisfy the requirements of ISO/IEC 17025; and
- (b) The manufacturers are currently operating according to a recognized international quality system (such as ISO 9001); and
- (c) The manufacturer’s in-house laboratories had successfully carried out tests on electric rice cookers in accordance with “GB 12021.6 - 2008 <<自動電飯鍋能效限定值及能效等級>> Minimum allowable values of energy efficiency and energy efficiency grades for automatic electric rice cookers” and where these tests had been evaluated and certified by third party internationally recognised independent certification organisations.

9.4 The recognised independent certification organisation mentioned in clause 9.3 shall meet the following minimum requirements:

- (a) Being recognized internationally to be competent for certifying product energy efficiency performance tests; and
- (b) Having experience in assessing and certifying the relevant energy efficiency performance tests; and
- (c) Having well established assessment procedures, including staff training and assessment criteria, relating to assessment and certification of energy efficiency performance tests.

### **Laboratory Accreditation**

9.5 Government takes cognizance of the need to ensure acceptable and compatible quality standards of testing laboratories, and considers that they need to be periodically accredited by some independent bodies.

9.6 The criteria of accreditation should be based on ISO/IEC 17025 and the certification body should operate in accordance with ISO/IEC 17011.

9.7 The Authority will recognize the accreditation granted by the HKAS under the HOKLAS and by overseas accreditation bodies with which HKAS has concluded MRA. For the accreditation by other certification bodies, the Authority will consider on a case-by-case basis.

## Energy Efficiency Certification Service

- 9.8 An increasing number of countries now accept, as proof of product conformance, energy efficiency certification services provided by the organisation that has been accredited as a certification body. In accordance with this trend, the Authority will also consider test results that have been evaluated and certified according to the respective ISO or IEC standards of the Scheme by reputable certification organisations.

## 10. Registration and Participation

### Registration Procedures

- 10.1 All manufacturers, importers and the other parties involved in the electric rice cooker distribution network are welcome and encouraged to participate in the Scheme. The Authority will send invitation to those known manufacturers and importers. However, no matter whether invited or not, any interested parties may submit their applications for the registration.
- 10.2 The proforma letter of invitation is shown in Annex 2.
- 10.3 By means of an application letter through mail, facsimile or electronic mail; applicant should submit formal application to :

*Chief Engineer/Energy Efficiency A  
Energy Efficiency Office  
Electrical and Mechanical Services Department  
3 Kai Shing Street, Kowloon, Hong Kong*

In order to ensure effective implementation of the Scheme, the applicant must commit himself to fully comply with the duties, responsibilities and obligations set out in the Scheme. The proforma letter of application as shown in Annex 3 details the aforesaid obligations and should be used for application. To facilitate the application process, the application form can be downloaded from EMSD website or via online application services.

## Information/Documents to be Submitted for Registration

10.4 Each make and model of an electric rice cooker participating in the Scheme should be provided with a test report issued by a recognized laboratory. The test report should contain energy consumption tests and performance test results. The details of the technical information to be submitted together with the application are listed as follows: -

- a) Information on the company  
Name, Address, Telephone number, Fax number, E-mail address, Contact person, Importer, Distributor, etc.
- b) Product to apply for participating in the Scheme:  
Name of products, types, brand names, models, countries of origin, etc.
- c) The parties that will be responsible for making and fixing the Energy Labels;
- d) Commencement date to affix Energy Label on electric rice cooker  
Year\_\_\_\_\_, Month\_\_\_\_\_
- e) Supporting Technical Information and Calculations in test report
  - energy consumption during the normal 'rice cooking' mode;
  - power consumption for warm-keeping;
  - heat efficiency of the electric rice cooker (including the detailed calculations);
  - power input for the normal 'rice cooking' mode;
  - rated capacity;
  - rated wattage; and
  - standby power consumption (if any)
- f) Miscellaneous Technical Information:  
Product information catalogue  
Technical Specification  
Others
- g) Certificate of Safety Compliance prescribed by the "Electrical Products (Safety) Regulation", Chapter 406G of the Laws of Hong Kong.

The above list of information can also be found in Annex 4, Information to be submitted to Energy Efficiency Office.

- 10.5 Company's name and chop should be stamped on all the documents provided. All photocopy test reports submitted to the Authority shall be certified true copy by appropriate organization.

### **Acceptance of Registration**

- 10.6 On receipt of the application, the Authority will process the application and verify whether the electric rice cooker meets the energy efficiency and performance requirements based on the submitted data. The accuracy of the energy consumption data, their inconsistencies and non-compliance will be dealt with in accordance with clause 12.2.
- 10.7 If the application is accepted, the participants will be notified of the result in writing within 17 working days upon receipt of all necessary information requested. The participants will then be allowed to affix the label onto the 'registered' electric rice cookers. Both manufacturer and importer of the registered electric rice cooker should ensure that the energy label is correctly printed and affixed on the electric rice cooker in accordance with section 8. The proforma letter of acceptance is shown in Annex 5.
- 10.8 If the application is rejected, the notification letter (proforma letter of rejection as shown in Annex 6) will also be given within 17 working days upon receipt of all necessary information requested.
- 10.9 The flow chart for registration is shown in Annex 7

### **Participant's Duties, Responsibilities and Obligations**

- 10.10 The participant is obliged to:-
- a) submit application and information including test results in accordance with format & procedures set out in clause 10.4 and clause 10.5;
  - b) conduct tests via recognized laboratories and to comply with the specified test methodologies and technical standards in the Scheme;
  - c) produce and affix labels at his own costs;
  - d) fully inform other sales agents in his distribution network once the particular make and model of an electric rice cooker is registered under the Scheme;
  - e) allow random/ad-hoc inspection to be conducted by persons authorized by the Authority on registered electric rice cooker at his premises;

- f) conduct re-test(s) at his own costs at some recognized laboratories, if non-compliance is found on his registered electric rice cooker. The result of re-test(s) shall reach the Authority within the prescribed period of time specified by the Authority; normally three months;
- g) inform the Authority of any change in the technical information and data that were previously submitted to the Authority together with the application letter;
- h) accept the fact that if registered electric rice cooker fails to perform in accordance with the required standard performance as given in sections 6 and this cannot be readily rectified, the Authority may order it be de-registered from the Scheme; and
- i) remove all labels from the de-registered electric rice cookers immediately.

10.11 The details of the registered electric rice cooker under the Scheme will be kept in a register list maintained by the Authority. The registration records will be regularly uploaded and maintained in the EMSD Internet for public and interested parties for browsing and reference.

### **Termination**

10.12 Under circumstances of poor performance of the participant such as –

- (a) (repeated) failure to fulfill the obligations set out under clause 10.10; or
- (b) in any other case where the Director is of the opinion that registration of the particular Electric Rice Cooker is contrary to the public interest,

the Authority may de-register the concerned electric rice cooker from the Scheme with immediate effect by giving the participant a notice in writing. Once the electric rice cooker is de-registered, energy label is not allowed to fix on it. However, participant will normally be given a grace period of three months to remove all labels from the de-registered electric rice cooker.

The concerned electric rice cooker could be de-registered even when there is no legal action taken under either the Trade Description Ordinance (Chapter 362) or the Copyright Ordinance (Chapter 528).

10.13 Participant who decides to discontinue participating in the Scheme or to withdraw any registered model from the registered electric rice cooker list shall give at least three months' advance notice to the Authority.



## 11. Legal Provisions

- 11.1 The Scheme is a voluntary scheme. However, a participant who abuses the Scheme by giving false information on an energy label may contravene provisions of the Trade Description Ordinance (Chapter 362).
- 11.2 No one could take advantage of the Scheme by using the energy label on his electric rice cookers without authorization of the Authority as that shall constitute an infringement of copyright under the Copyright Ordinance (Chapter 528).

## 12. Compliance, Monitoring and Inspection

### Purpose

- 12.1 To uphold the credibility of the Scheme and to continue maintaining the confidence of the consumers, compliance check on energy labels on those electric rice cookers participating in the Scheme are needed. Also, to avoid the non-participating parties from taking advantage of the Scheme by using unauthorized labels, suitable form of inspection shall be conducted on those electric rice cookers which have not been registered under the Scheme.

### Scope

- 12.2 The scope of inspection includes sample **checking** and **testing** of the following items:-
- (a) whether the energy label is affixed on the registered electric rice cooker;
  - (b) whether the energy label on the registered electric rice cooker is affixed to a prominent position in accordance with clause 8.2;
  - (c) whether the energy label being displayed is of correct format in accordance with section 8;
  - (d) whether the registered electric rice cooker complies with the energy efficiency and the performance requirements;
  - (e) whether the data submitted by the participants are correct by random re-testing; and
  - (f) whether the unregistered electric rice cooker display unauthorized energy labels.

- 12.3 The participants will be requested to take immediate remedial action and report of follow-up action taken if non-compliance is found on their electric rice cookers.
- 12.4 For a registered electric rice cooker which is found with energy performance data with non-compliance to the energy efficiency requirements stated in section 6 during random checking, the Authority may request the participant to conduct a separate energy consumption test at his own cost, in accordance with the test methodology as stated in section 5, in one of the testing laboratories agreed by the Authority.
- 12.5 If non-compliance is confirmed and no remedial action is to be taken by the applicant, the Authority may order it be de-registered from the scheme. Failure to remove energy labels from the de-registered appliances after the Director has withheld his authorization for using such labels may contravene the relevant Ordinances.

#### **Inspecting Officers**

- 12.6 The Authority will authorize inspecting officers to carry out compliance monitoring and inspection on electric rice cooker. The officers will carry proper identification cards which will be produced upon request during their inspection operations. However, the officer will not inform the participants in advance of their intended inspection operation.
- 12.7 It is the participants' obligation to allow the inspecting officers to gain access to their premises to carry out inspection.

#### **Mode of Inspection**

- 12.8 Inspections will be carried out on registered electric rice cooker under the Scheme on random basis. Based on the record of the registration, random inspection programmes will be developed.
- 12.9 In addition to the random inspections, the inspecting officers will carry out ad-hoc inspections in response to complaints. The items to be inspected in such a case will depend upon the nature of complaint and may include all types of inspection as stated in clause 12.2.
- 12.10 Inspections will normally be carried at the electric rice cookers retail outlets and showrooms. Where necessary, inspection will also be done at warehouses.

- 12.11 The inspection results will be properly recorded for future analysis as well as on evaluation of the effectiveness of the Scheme.

## **13. Complaints and Appeal**

- 13.1 The Authority will be responsible for dealing with the complaints from participant and other parties against matters related to the Scheme.

### **Complaints Handling Procedures**

- 13.2 The Director shall ensure that complaints are properly recorded and handled without undue delay.
- 13.3 The Authority shall carry out preliminary investigation on complaints and reply to the complainants within a reasonable time. For complaints that require site inspection and laboratory test, the complainant shall be notified through an interim reply.
- 13.4 The Authority shall inform the complainant of the results or decisions made on the complaint.

### **Appeal Procedures**

- 13.5 A participant who feels aggrieved by the decision or action given by the Authority according to section 10 may appeal to the Director in writing stating the reason for the appeal.
- 13.6 The Director may decide to suspend the decision or action given by the Authority from the day on which the appeal is made until such appeal is disposed of, withdrawn or abandoned unless such suspension would, in the opinion of the Director, be contrary to public interest.
- 13.7 The Director may by notice to the appellant require that appellant to attend meeting with him or his representative, provide documents and give evidence relevant to the appeal.
- 13.8 The Director shall notify the appellant of his decision and the reasons for it. The decision will be final and binding.

## 14. Maintenance of Scheme

- 14.1 To ensure that the Scheme can continue to operate effectively and efficiently after its introduction, a proper system of maintenance is needed.
- 14.2 The maintenance system consists essentially of -
- (a) Continuous updating of the following relevant information of the participants in the Scheme -
    - i. Details of the registered electric rice cookers such as registration number, date of registration or de-registration if it occurs, energy consumption data, energy factor, performance data, make, model, category and other related information; and
    - ii. Details of the registered importers, manufacturers, local agents, etc.; in the distribution network such as address, date of registration or de-registration if it incurs, etc.
  - (b) Periodic review of the test methodology, and procedures for application of registration and compliance monitoring, etc., to bring them in line with the latest needs of the manufacturers, importers and retailers, etc.
  - (c) Continuous evaluation of the effectiveness of the Scheme and assessment of what changes are necessary.

## 15. Future Development

- 15.1 It is hoped that following the implementation of the Scheme, the market will phase out models of low efficiency appliances and public awareness of using energy efficient products will be much improved.
- 15.2 To further facilitate the public in choosing energy efficient appliances and raise public awareness on energy saving, the Government has introduced a mandatory Energy Efficiency Labelling Scheme (EELS) through the Energy Efficiency (Labelling of Products) Ordinance.
- 15.3 Under the mandatory EELS, energy labels are required to be shown on prescribed products for supply in Hong Kong to inform consumers of their energy efficiency performance. Five types of prescribed products covered in the mandatory EELS are room air conditioners, refrigerating appliances, compact fluorescent lamps, washing machines, and dehumidifiers.

**The Hong Kong Voluntary Energy Efficiency Labelling Scheme**  
**for Electric Rice Cookers**  
**Energy Label Format**



(Not to Scale)

Note : The figure of the energy label is shown not to scale.

Soft copy of this label can be obtained from Energy Efficiency Office, Electrical and Mechanical Services Department.

## Proforma Letter of Invitation

Our ref. ( ) EMSD/EEO/LB/21

Your ref.

Tel.

Fax.

Date

[ Name and Address of  
Manufacturers/Importers/Agents ]

Dear Sir/Madam,

### **Invitation of Application for Registration in The Hong Kong Voluntary Energy Efficiency Labelling Scheme for Electric Rice Cookers**

Having gone through the necessary consultations and duly considered the views from various concerned parties, the government has decided to introduce a voluntary energy efficiency labelling scheme for electric rice cookers to Hong Kong with effect from (\_\_\_\_\_). The details of the Scheme<sup>①</sup> have been finalized and I enclose herewith a guide of the Scheme for your reference.

Being one of the major electric rice cookers manufacturers / importers / agents<sup>②</sup> in Hong Kong, you are invited to participate in the Scheme so as to take part in promoting public awareness in energy conservation and environmental improvement to Hong Kong. If you are interested to participate in the scheme, please apply in accordance with the proforma letter of application (Annex 3) and submit details including technical information in accordance with the attached Annex 4 to the 'Chief Engineer / Energy Efficiency A' at the following address.

Energy Efficiency Office  
Electrical and Mechanical Services Department  
3 Kai Shing Street, Kowloon

Please be reminded to submit accurate test data to support your application. Under this Scheme, routine compliance monitoring and checking will be performed and if a registered electric rice cooker is found to be non-compliant, we may consider deregistering the electric rice cooker from the Scheme.

Should you need further clarification or information, you are most welcome to contact the undersigned or Mr \_\_\_\_\_, at the telephone number \_\_\_\_\_.

Yours faithfully,

for Director of Electrical & Mechanical Services

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- (Note : <sup>①</sup> 'The Scheme' means 'The Hong Kong Voluntary Energy Efficiency Labelling Scheme for Electric Rice Cookers '  
<sup>②</sup> delete as appropriate)

## **Proforma Letter of Application**

Your ref. ( ) EMSD/EEO/LB/21  
Our ref.

Tel.

Fax.

Date

Chief Engineer/Energy Efficiency A  
Electrical & Mechanical Services Department  
3 Kai Shing Street, Kowloon  
Hong Kong

Dear Sir/Madam,

### **Application for Registration to Participate in Voluntary Energy Efficiency Labelling Scheme for Electric Rice Cookers**

Our company is the (manufacturer/importer/agent\*) of \_\_\_\_\_ in Hong Kong. We support the introduction the labelling scheme to Hong Kong and would like to be one of the participants in the Scheme to promote energy efficiency.

I understand fully the obligations and duties stated in the Scheme and will comply with all relevant requirements, in particular those specified below:

- i) conduct tests via recognized laboratories and to comply with the specified test standards;
- ii) produce and affix specified labels at my own costs;
- iii) allow random/ad-hoc inspection to be conducted by persons authorized by the issuing Authority on registered electric rice cooker(s) at my premises;
- iv) conduct re-test(s) at my own costs at some recognized laboratories, if the results of inspection suggest inaccurate energy label information being displayed. The result of re-test(s) shall reach the Authority within the prescribed period time specified by the Authority;
- v) inform the Authority of any change in the technical information and data that were previously submitted to the Authority together with the application letter; and
- vi) accept the fact that if the electric rice cooker(s) fail(s) to perform in accordance with the requirements of energy efficiency and performance as given in section 6 and section 7 respectively and this cannot be readily rectified, the Authority may order it (they) be de-registered from the Scheme.

The details of information of the electric rice cooker(s) which we intend to register with the Authority are shown in the attached document (Annex 4), and are submitted herewith for your vetting.

Yours faithfully,

(Manufacturer/Importer/Agent's Name and Company Chop)

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\* *delete as appropriate*

## Information to be submitted to Energy Efficiency Office

1. Information on the Company:  
Name, Address, Telephone number, Fax number, Email address, Contact person, Importer, Distributor, etc.
2. Product to apply for participating in the Scheme:  
Name of products, types, make, model references, countries of origin
3. Parties will be responsible for making and fixing the Energy Label.
4. Commencement date to affix Energy Labels on electric rice cooker package  
Year \_\_\_\_\_, Month \_\_\_\_\_
5. Detailed test report providing at least the following relevant technical data for the participating electric rice cooker -:
  - energy consumption during the normal 'rice cooking' mode;
  - energy consumption for warm-keeping operation;
  - heat efficiency of the electric rice cooker (including the detailed calculations);
  - power input for the normal 'rice cooking' mode;
  - rated capacity;
  - rated wattage; and
  - standby power consumption
6. Miscellaneous Technical Information:
  - (a) Product information catalogue;
  - (b) Technical Specifications; and
  - (c) Others
7. Certificate of Safety Compliance prescribed by the Electrical Products (Safety) Regulation of HKSAR for the concerned electric rice cooker(s) in the application.

*Note: Company's name and chop should be stamped on the all documents provided.  
All test reports submitted to the office should be certified true copy by appropriate organization.*



## Proforma Letter of Acceptance

Your ref.

Our ref. ( ) EMSD/EEO/LB/21

Tel:

Fax:

Date

[

Manufacturers/Importers/Agents

]

Dear Sir/Madam,

**Acceptance of Application for Registration to Participate in  
Voluntary Energy Efficiency Labelling Scheme for Electric Rice Cookers**

With reference to your letter of ref. \_\_\_\_\_ dated \_\_\_\_\_, we are pleased to inform you that your application to participate in the captioned scheme has been accepted.

We enclose herewith the registration certificate(s) of electric rice cooker(s) registered. The registered electric rice cooker(s) is/are as follows:

<u>Brand/Make/Model</u>	<u>Registration No.</u>	<u>Effective date</u>
( _____ )	( _____ )	( _____ )

You are allowed to affix a specified energy label onto each and every electric rice cooker package registered under the Scheme. The contents of the energy label should be based on the information that you have provided in your application ref. \_\_\_\_\_ and dated \_\_\_\_\_.

Should you have any queries regarding the Scheme, please contact this office.

Yours faithfully,

for Director of Electrical &amp; Mechanical Services

## **Proforma Letter of Rejection**

Our ref. ( ) EMSD/EEO/LB/21

Your ref.Tel.

Fax.

Date

「  
Name and Address of  
Manufacturers/Importers/Agents  
」

Dear Sir/Madam,

### **Rejection of Application for Registration in The Hong Kong Voluntary Energy Efficiency Labelling Scheme for Electric Rice Cookers**

With reference to your letter ref. \_\_\_\_\_ dated \_\_\_\_\_, we regret to inform you that your application for registration to participate in the scheme has not been accepted for the following reasons:-

1. \_\_\_\_\_,
2. \_\_\_\_\_, etc.

You are most welcome to submit new application again in future, when you have the necessary documents / information to support your application.

Yours faithfully,

for Director of Electrical & Mechanical Services

**The Hong Kong Voluntary Energy Efficiency Labelling Scheme**  
**for Electric Rice Cookers**  
**Flow Chart of Registration**

