

Standard & Labeling of Appliance Regulations

টেকসই ও নবায়নযোগ্য জ্বালানি উন্নয়ন কর্তৃপক্ষ

বিদ্যুৎ বিভাগ

বিদ্যুৎ, জ্বালানি ও খনিজ সম্পদ মন্ত্রণালয়

প্রজ্ঞাপন

তারিখ:১৪২৪ বঙ্গাব্দ/.....২০১৮ খ্রিস্টাব্দ।

Having regard to the SREDA Act 2012 and Section 6 of Chapter II particular thereof;

And having regards to the EE&C Rule 2016;

Whereas

Energy Efficiency Standards and Labeling has been identified as a key thrust Area of activities for SREDA.

Standard and Labeling of Appliances is one of the most cost-effective policy tools for improving energy efficiency and lowering energy cost for the consumers.

Standards and Labeling Program provides the consumer an informed choice about the energy saving, and thereby the cost saving potential of the marketed household and other appliances and equipment.

It impacts the energy savings in the medium and long run while at the same time it will position domestic industry to compete in such markets where norms for energy efficiency are mandatory.

SREDA has been mandated to encourage the use of power and energy efficient equipment and take necessary steps for standardization and labeling of power and energy using equipment and appliances and establish testing laboratories or provide assistance in establishing laboratories in order to test and certify on standard equipments of using energy

Now therefore, S.R.O. No ***- In exercise of the powers/authority conferred by Section *** of the Sustainable and Renewable Energy Development Authority (SREDA) Act, 2012 (Act No. *** of 2012) and Rule *** of the Energy Efficiency & Conservation Rules, 2016, for effective functioning and operating of the energy efficiency and energy conservation programs, the Sustainable and Renewable Energy Development Authority, with prior/previous approval from the

Government, hereby makes/ is pleased to promulgate/ the following Regulations, namely:

এস, আর, ও নং ২০১/আইন. ৮। টেকসই ও নবায়নযোগ্য জ্বালানি উন্নয়ন কর্তৃপক্ষ আইন -, ২০১২ নং ৪৮-সনের ২০১২) (আইন এর ধারা ৬ এর দফা (৬ এর সহিত পঠিতব্য, এ প্রদত্ত ক্ষমতাবলে টেকসই ও নবায়নযোগ্য জ্বালানি উন্নয়ন কর্তৃপক্ষ, সরকারের পূর্বানুমতিক্রমে, নিম্নরূপ প্রবিধানমালা প্রণয়ন করিল, যথা:-

Article-1
Short title and commencement
প্রথম অধ্যায়

প্রারম্ভিক

(1) These regulations shall be called SREDA Standard and Labeling (Appliances & Equipment) Regulation-2018

১। শিরোনাম ও প্রবর্তন। (১) - এই প্রবিধানমালা স্রেডা সরঞ্জাম ও যন্ত্রপাতি প্রমিতকরণ এবং লেবেলিং প্রবিধানমালা- ২০১৮ নামে অভিহিত হইবে।

(২) সরকার, সরকারী গেজেটে প্রজ্ঞাপন দ্বারা, যে তারিখ নির্ধারণ করিবে সেই তারিখে ইহা কার্যকর হইবে

(2) They shall come into force on the date of their publication in the Official Gazette.

The regulation establishes the rules and procedures for ‘Prescribing minimum energy performance standard (MEPS)’ and ‘Labeling of appliances & equipment’ as per their energy efficiency performance with a view to offer consumers free choices for adopting energy efficiency improvement and cost reduction measures through market mechanism.

২। উদ্দেশ্য।— জ্বালানি দক্ষতা উন্নয়নে যন্ত্রপাতি ও সরঞ্জামাদির কার্যসম্পাদনে জ্বালানি ব্যবহারের ন্যূনতম মান (**MEPS**) নির্ধারণ , কার্যসম্পাদনে জ্বালানি দক্ষতা নিরূপণে জ্বালানি সাশ্রয়ী লেবেল বাস্তবায়ন, জ্বালানি দক্ষ যন্ত্রপাতি ও সরঞ্জামাদির উৎপাদন এবং আমদানি উৎসাহিত করিবার প্রনোদনা কৌশল (**incentive mechanism**) প্রণয়ন ও জ্বালানি দক্ষ ও লেবেল যুক্ত যন্ত্রপাতি ও সরঞ্জামাদি ক্রয়ে জনসচেতনতা সৃষ্টি এই প্রবিধানমালার উদ্দেশ্য।

In these regulations, unless the context otherwise requires-

৩। সংজ্ঞা। বিষয় বা প্রসঙ্গের পরিপন্থী কোন কিছু না থাকিলে (১)-, এই প্রবিধানমালায়-

“Appliances” mean any gadget or equipment or machinery or materials and/or part of them which consumes, generates, or supplies or transmit any form of energy for doing work and providing services to the user of energy

(ক) “যন্ত্রপাতি বা সরঞ্জামাদি” অর্থ যন্ত্র অথবা সরঞ্জামাদি অথবা কলকজা অথবা মালামাল এবং অথবা এগুলোর অংশ যা যে কোনো রূপে জ্বালানি ব্যবহার বা **সরবরাহ** বা সম্প্রচার করে কোনো কাজ বা সেবা প্রদান করে থাকে।

“Approved Laboratories” means the testing laboratories which have been approved by the Authority for carrying out energy performance test for the purpose of Labeling of Appliances

(খ) “অনুমোদিত পরীক্ষাগার” অর্থ কর্তৃপক্ষ কর্তৃক অনুমোদিত পরীক্ষাগার যেখান লেবেলযুক্ত বা লেবেলপ্রাপ্তির জন্য আবেদনকৃত যন্ত্রপাতি ও সরঞ্জামাদির জ্বালানি দক্ষতার মান পরীক্ষা করা হবে।

“Authority” means the Sustainable & Renewable Energy development Authority (SREDA) constituted by the Government of Bangladesh under the Sustainable and Renewable Energy Development Authority Act 2012

(গ) “কর্তৃপক্ষ” অর্থ টেকসই ও নবায়নযোগ্য জ্বালানি উন্নয়ন কর্তৃপক্ষ আইন, ২০১২ এর ধারা ৪ এর অধীন প্রতিষ্ঠিত টেকসই ও নবায়নযোগ্য জ্বালানি উন্নয়ন কর্তৃপক্ষ

“Average Energy Consumption” means the average of specific energy consumption and/or energy efficiency and/or energy efficacy of a particular Appliances being marketed in Bangladesh

(ঘ) “গড় জ্বালানি ব্যবহার(Average Energy Consumption)” অর্থ একট নির্দিষ্ট যন্ত্র বা সরঞ্জামের নির্ধারিত জ্বালানি ব্যবহার(Specific Energy Consumption) বা জ্বালানি দক্ষতা বা জ্বালানি ফলপ্রসূতা(Energy Efficacy)-র গড়

“Building” means any residential, commercial or other installation or integral part of any installation where there is 50 KW or more connected electric load;

“BDS” means Bangladesh Standards as developed and prescribed by BSTI

(ঙ) “বিডিএস” অর্থ বিএসটিআই কর্তৃক নির্ধারিত বাংলাদেশ স্ট্যান্ডার্ড

“BSTI” means Bangladesh Standard and Testing Institution established under ;

(চ) “বিএসটিআই” অর্থ বাংলাদেশ স্ট্যান্ডার্ড এন্ড টেস্টিং ইন্সটিটিউশন আইন, ১৯৮৭ এর অধীন প্রতিষ্ঠিত বাংলাদেশ স্ট্যান্ডার্ড এন্ড টেস্টিং ইন্সটিটিউশন

“Commercial Buildings” means any building designated as commercial use by municipal authorities;

(ছ) “বাণিজ্যিক ভবন” অর্থ সিটি কর্পোরেশন বা পৌরসভা বা ইউনিয়ন পরিষদ কর্তৃক অনুমোদিত বাণিজ্যিক কাজে ব্যবহৃত ভবন

“Compulsory” means made compulsory according to the rules and regulations of the Sustainable and Renewable Energy Development Authority Act -2012;

(জ) “বাধ্যতামূলক” অর্থ যা টেকসই ও নবায়নযোগ্য জ্বালানি উন্নয়ন কর্তৃপক্ষ আইন, ২০১২ এর অধীন বিধিমালা ও প্রবিধানমালাতে বাধ্যতামূলক করা হয়েছে

“Electricity Act” means Electricity Act, 2018 (07 of 2018), or any revised or new Electricity Act enacted afterwards;

(ঞ) “বিদ্যুৎ আইন” অর্থ বিদ্যুৎ আইন, ২০১৮ (২০১৮ সনের ০৭ নং আইন) অথবা পরবর্তীতে এ আইনের পরিবর্তন, পরিমার্জন, সংশোধন বা প্রণয়ন;

“Establishment” means any establishment described under these Regulations;

(ট) “স্থাপনা” অর্থ এই প্রবিধানামালায় বর্ণিত স্থাপনা

“Fuel” means energy resources that are in combustible form;

“Government” means the Government of the People’s Republic of Bangladesh;

(ঠ) “সরকার” অর্থ গণপ্রজাতন্ত্রী বাংলাদেশ সরকার

“Label” means any written, printed, marked, stamped or graphic matter affixed to, or appearing upon the appliance/equipment;

(ড) “লেবেল” অর্থ যন্ত্রপাতি ও সরঞ্জামাদির উপর বা মোড়কে লাগানো জ্বালানি ব্যবহারের মানমাত্রা সম্বলিত তথ্যের দৃশ্যমান কোনো লিখিত, মুদ্রিত, চিহ্নিত, স্ট্যাম্পকৃত বিষয় বা গ্রাফিকস

“MEPS” means minimum energy performance standard for the appliance/equipment specified by BSTI as per the technical requirement of the BSTI standard for the appliances/equipment;

(ণ) “MEPS” অর্থ বিএসটিআই কর্তৃক প্রণীত কারিগরী চাহিদার মানমাত্রা অনুযায়ী প্রস্তুতকৃত যন্ত্রপাতি ও সরঞ্জামাদির কার্যসম্পাদনে জ্বালানি ব্যবহারের ন্যূনতম মান (**Minimum Energy Performance Standard**)

“Models” means the range of models of one particular brand to which a single set of test reports is applicable and where each of the models has the same physical characteristics, energy consumption/efficiency and performance characteristics and includes family of models;

(ত) “মডেল(Model)” অর্থ একই পরীক্ষণলব্ধ প্রতিবেদন (Test Report) এর আওতায় নির্দিষ্ট ব্র্যান্ডের সমপ্রকৃতির গঠন ও বৈশিষ্ট্য, জ্বালানি ব্যবহারের দক্ষতা এবং কর্মসক্ষমতা সম্বলিত যন্ত্রপাতি ও সরঞ্জামাদি;

“Moving Average Energy Consumption” means the change in the proportional average specific energy consumption and/or energy efficiency and/or energy efficacy of a particular Appliance being marketed by a Trader/Seller of appliances taking into account aggregate of the different Star rated/Labeled numbers in that Appliance category

and their individual specific energy consumption and/or energy efficiency and/or energy efficacy

(খ) “জ্বালানি ব্যবহারের চলমান গড় (Moving Average Energy Consumption)” অর্থ কোনো একটি নির্দিষ্ট বছরে একটি কোম্পানি কর্তৃক পূর্ববর্তী বছরে বিক্রয়কৃত স্টার রেটিং/ লেবেলযুক্ত যন্ত্রপাতি ও সরঞ্জামাদির গড় জ্বালানি ব্যবহারের তুলনায় ঐ বছরের গড় জ্বালানি ব্যবহারের পরিবর্তন।

“Ministry” means the Ministry of Power, Energy and Mineral Resources, unless otherwise specified;

(দ) “মন্ত্রণালয়” অর্থ অন্যথায় নির্দিষ্ট না করা হলে, বিদ্যুৎ, জ্বালানি ও খনিজ সম্পদ মন্ত্রণালয়;

“Notification” means notification published in Bangladesh Gazette;

(ধ) “বিজ্ঞপ্তি” অর্থ কর্তৃপক্ষ কর্তৃক এই প্রবিধানমালার আওতায় প্রকাশিত বিজ্ঞপ্তি

“Permittee” means a person/entity/company that has been granted the permission to affix the label.

(ন) “অনুমতিপ্রাপ্ত” অর্থ কোনো কোম্পানি/প্রতিষ্ঠান যাকে কর্তৃপক্ষ কর্তৃক লেবেল লাগানোর অনুমতি দেয়া হয়েছে।

“Prescribed” means whatever is required or directed under these Regulations;

(প) “নির্ধারিত” অর্থ যা এই প্রবিধানমালা কর্তৃক নির্ধারিত

“Referral Laboratory” means the BSTI laboratory or any other laboratory approved by Authority for the purpose of check and challenge testing of energy performance of Appliances for monitoring and verification

(ফ) “রেফারেল পরীক্ষাগার” অর্থ বিএসটিআই পরীক্ষাগার অথবা কর্তৃপক্ষ কর্তৃক অনুমোদিত পরীক্ষাগার যেখানে যন্ত্রপাতি ও সরঞ্জামাদির জ্বালানি কার্যকারিতা পরীক্ষণ এবং চ্যালেঞ্জ পরীক্ষণের জন্য কর্তৃপক্ষ কর্তৃক নমুনা প্রেরণ করা হবে

“Regulations” means Regulations made by the Authority **under his Act or rules;**

(ব) “প্রবিধানমালা” অর্থ টেকসই ও নবায়নযোগ্য জ্বালানি উন্নয়ন কর্তৃপক্ষ আইন ২০১২ আইনের অধীন প্রণীত প্রবিধানমালা

“Schedule” means all forms and formats, tables and figures other documents annexed with this regulation and which are integral part of this regulation;

(ভ) “তফসিল” অর্থ এই প্রবিধানমালায় সংযুক্ত টেবিল, চার্ট, ডকুমেন্ট বা পরিশিষ্ট

“Standard” means norms for process and energy consumption standards for Appliances developed and notified through a well defined process by an International and/or a National body empowered to do so by an inter-governmental agency and/or a national Government;

(ম) “স্ট্যান্ডার্ড” অর্থ বিএসটিআই বা আন্তর্জাতিক বা আন্তঃ সরকারী সংস্থা কর্তৃক নির্ধারিত জ্বালানি ব্যবহারকারী যন্ত্রপাতি ও সরঞ্জামাদির জ্বালানি সাশ্রয়ী মানমাত্রা নিরূপণের জন্য সুপ্রতিষ্ঠিত প্রক্রিয়া;

“Star rating/labeling” means the grade of energy efficiency displayed on the label of the Appliances based on the energy consumption standard notified under the regulation for the particular Appliances;

(য) “লেবেলিং” অর্থ কোনো নির্দিষ্ট মডেলের যন্ত্রপাতি ও সরঞ্জামাদির জন্য বিজ্ঞাপিত স্তরভিত্তিক জ্বালানি সাশ্রয়ী মানমাত্রা সম্বলিত লেবেল প্রদর্শন

“User” means those who use any form of energy for residential, commercial, industrial, agricultural, transportation purposes, and any other purposes;

(র) “ব্যবহারকারী” অর্থ গৃহস্থালী, বানিজ্যিক, শিল্প, কৃষি, পরিবহন খাত বা অন্য কোনো কাজে যেকোনো ধরনের জ্বালানি ব্যবহারকারী ব্যক্তি বা প্রতিষ্ঠান;

“Trader or Seller” means, a person or an entity or a company who sells or distributes star rated/labeled Appliances and includes the manufacturer, importer, trader and Permittee given permission to affix label on such Appliances;

(ল) “ব্যবসায়ী বা বিক্রেতা” অর্থ কোনো ব্যক্তি বা কোম্পানী বা প্রতিষ্ঠান যে বা যারা লেবেলকৃত যন্ত্রপাতি ও সরঞ্জামাদি বিক্রি বা বিতরণ করে যার মধ্যে উৎপাদনকারী, আমদানীকারক এবং যন্ত্রপাতি ও সরঞ্জামাদিতে লেবেল যুক্তকরণে অনুমতিপ্রাপ্ত

(শ) “কর্মসূচী” অর্থ লেবেলিং কর্মসূচী

(ষ) “লেবেলিং ওয়েব পোর্টাল” অর্থ লেবেলিং কর্মসূচী বাস্তবায়নে অনলাইন লেবেল ব্যবস্থাপনা ও তথ্য বিষয়ক ওয়েব পোর্টাল

The definitions or terminologies which are not described under this law will bear the meaning as described under the Electricity Act, the Energy Regulatory Commission Act of 2003, the Sustainable and Renewable Energy Development Authority Act of 2012, and the Bangladesh National Building Code.

(২) এই প্রবিধানমালায় ব্যবহৃত যে সকল শব্দ বা অভিব্যক্তির সংজ্ঞা প্রদান করা হয় নাই, সেই সকল শব্দ বা অভিব্যক্তি বিদ্যুৎ আইন, ২০১৮, টেকসই ও নবায়নযোগ্য জ্বালানি উন্নয়ন কর্তৃপক্ষ আইন, ২০১২ এবং জ্বালানি দক্ষতা ও সংরক্ষণ বিধিমালা, ২০১৬ যেই অর্থে ব্যবহৃত হইয়াছে সেই অর্থে প্রযোজ্য হইবে।

Article-4

অধ্যায়- ২

Standards and Labeling of Appliances & Equipment-Roles and Responsibilities

সরঞ্জামাদি ও যন্ত্রপাতির স্ট্যান্ডার্ড এন্ড লেবেলিং – দায়িত্ব এবং কর্তব্য

(1) BSTI shall determine the minimum energy performance standards (MEPS) and/or revise the MEPS of various Appliances from time to time as per request from the Authority in the prescribed form and as per standard practice followed by BSTI

(৪) কর্তৃপক্ষের অনুরোধ অনুযায়ী বিএসটিআই বৈদ্যুতিক যন্ত্রপাতির কার্যসম্পাদনে জ্বালানি ব্যবহারের ন্যূনতম মান (MEPS) নির্ধারণ অথবা সংশোধন করবে

(2) BSTI shall notify the revised standards for the particular Appliance and intimate the same to the Authority

(৫) কর্তৃপক্ষ কর্তৃক নির্ধারিত বৈদ্যুতিক যন্ত্রপাতির সংশোধিত বা নতুন স্ট্যান্ডার্ড প্রস্তুতপূর্বক বিএসটিআই তা কর্তৃপক্ষকে অবহিত করবে।

(3) BSTI shall enforce the implementation of MEPS post announcement of the Mandatory phase for MEPS for a particular Appliance by the Authority and ensure that Traders/Sellers do not sale any Appliance not conforming to the MEPS

(৬) বিএসটিআই কর্তৃক একটি বিশেষ বৈদ্যুতিক যন্ত্রের জন্য মিনিমাম এনার্জি পারফরমেন্স (MEPS) বাধ্যতামূলক ঘোষণা দেওয়ার পর কর্তৃপক্ষ সে যন্ত্রের MEPS বাস্তবায়ন করবে এবং কোনো ব্যবসায়ী বা বিক্রেতা যাতে সে যন্ত্রটি বিক্রি করতে না পারে সে ব্যবস্থা গ্রহণ করবে

(4) The Authority shall carry out periodic study of the energy consumption of different Appliances to establish the current average baseline energy consumption and determine the need for revision of MEPS

(৭) কর্তৃপক্ষ সময়ে সময়ে বিভিন্ন বৈদ্যুতিক যন্ত্রপাতির জ্বালানি খরচের বেইজলাইন নির্ধারণের উদ্দেশ্যে বিভিন্ন গবেষণা করবে এবং MEPS সংশোধনের প্রয়োজনীয়তা যাচাই করবে।

(5) The Authority shall determine the criteria of energy efficiency performance of individual Appliances over the MEPS for grading and awarding of different levels of Star Rating/Label

(৮) কর্তৃপক্ষ প্রত্যেক যন্ত্রপাতি ও সরঞ্জামাদির MEPS স্তর ও বিভিন্ন স্তরে লেবেল প্রদানের জন্য জ্বালানি দক্ষতার মান নির্ণয় করবে।

(6) The Authority shall develop and regulate the scheme of Star Labeling of Appliances covered under the Regulation

(৯) কর্তৃপক্ষ এই প্রবিধানমালার অন্তর্গত যন্ত্রপাতি ও সরঞ্জামাদির স্টার রেটিং/লেবেলিং এর নিমিত্তে কর্মসূচী প্রণয়ন করবে এবং পরিচালনা করবে।

(7) The Authority shall periodically review the scheme and widen and deepen the coverage of Appliances under Regulation with approval from the Government

(১০) কর্তৃপক্ষ পর্যায়ক্রমে কর্মসূচী পর্যালোচনা করবে এবং সরকারের অনুমোদন স্বাপেক্ষে এ প্রবিধানমালার অন্তর্গত বিভিন্ন যন্ত্রপাতি ও সরঞ্জামাদির পরিধি প্রসঙ্গ করবে।

(8) The Authority shall implement the scheme in two phases for both MEPS and Star labeling; Voluntary and Mandatory

(১১) কর্তৃপক্ষ MEPS এবং স্টার রেটিং/লেবেলিং উভয়ের ক্ষেত্রে কর্মসূচী স্বেচ্ছাকৃত এবং বাধ্যতামূলক এ দুই ধাপে বাস্তবায়ন করবে

(9) The Authority shall notify the commencement of the Voluntary phase of MEPS and Star Rating/Labeling of the following specific Appliances immediately post notification of the Regulation in the Gazette by the Government (Schedule for the individual Appliances annexed with this Regulation)

a) Ceiling fans (Schedule-VII)

b) LED lamps (Schedule-VIII)

c) Room air-conditioners (Schedule-IX)

d) Refrigerators and refrigerator cum freezers (Schedule-X)

(১২) কর্তৃপক্ষ এই প্রবিধানমালা গেজেটে প্রকাশের পরবর্তী সময়ে অনতিবিলম্বে নিম্নোক্ত ৪ (চার) টি যন্ত্রপাতি ও সরঞ্জামাদির MEPS এবং স্টার রেটিং/লেবেলিং এর জন্য স্বেচ্ছাকৃত ধাপের সূচনা ঘোষণা করবে

ক) সিলিং ফ্যান (তফসিল – VII)

খ) এলইডি বাতি (তফসিল – VIII)

গ) রুম এয়ার কন্ডিশনার (তফসিল – IX)

ঘ) রেফ্রিজারেটর এবং রেফ্রিজারেটর ফ্রিজার (তফসিল- X)

(10) During the Voluntary phase, the Authority shall persuade the Traders/Sellers to phase out Appliances not conforming to the MEPS and monitor the market to assess the impact.

(১৩) স্বেচ্ছাকৃত ধাপে কর্তৃপক্ষ MEPS এর সাথে অসামঞ্জস্যপূর্ণ যন্ত্রপাতি ও সরঞ্জামাদি বাতিল করে ফেলার (phase out) জন্য প্রভাবিত করবে এবং এর প্রভাব মূল্যায়নের জন্য বাজার পর্যবেক্ষণ করবে

(11) The Authority shall notify the time schedules for implementation of the Voluntary phase of the Star rating/Labeling of specific Appliances covered under the Regulation (Schedule A-List of Appliances)

(১৪) কর্তৃপক্ষ এ প্রবিধানমালার অধীনে যন্ত্রপাতি ও সরঞ্জামাদির (তফসিল-A) স্টার রেটিং/ লেবেলিং এর জন্য স্বেচ্ছাকৃত ধাপ বাস্তবায়নের সময়সূচী ঘোষণা করবে।

(12) The Authority shall notify the time schedule for the Mandatory phase for MEPS and Star/Labeling for specific Appliances under Regulation with prior approval from the Government.

(১৫) কর্তৃপক্ষ সরকারের অনুমতি স্বাপেক্ষে এ প্রবিধানমালার অধীনে যন্ত্রপাতি ও সরঞ্জামাদির (তফসিল-A) স্টার রেটিং/ লেবেলিং এর জন্য বাধ্যতামূলক ধাপ বাস্তবায়নের সময়সূচী নিয়ে ঘোষণা করবে।

(13) The Authority shall monitor the Star rated/Labeled Appliances sold in the market and take regulatory measures for ensuring compliance with the provisions of this Regulation

(১৬) কর্তৃপক্ষ স্টার রেটিং/ লেবেলিং কৃত যন্ত্রপাতি ও সরঞ্জামাদির বাজারে বিক্রয়ের পরিমাণ পর্যবেক্ষণ করবে এবং এ প্রবিধানমালার বিধান অনুযায়ী যন্ত্রপাতি ও সরঞ্জামাদির মান নিয়ন্ত্রণে প্রয়োজনীয় ব্যবস্থা গ্রহণ করবে।

Article-5

অধ্যায় - ৫

Participation in the scheme

কর্মসূচীতে অংশগ্রহণ

(1) The scheme is open for participation by Bangladesh registered Companies/Firms

(১৭) এই কর্মসূচী বাংলাদেশে নিবন্ধিত প্রত্যেক কোম্পানি/ফার্ম এর জন্য উন্মুক্ত

(2) Any 'Trader or Seller' (Applicant) registered with the Registrar of Joint Stock Companies & Firms in Bangladesh (ROC) shall be eligible for participation in the scheme

(১৮) কোনো ব্যবসায়ী/বিক্রেতা(আবেদনকারী) বাংলাদেশের যৌথ স্টক কোম্পানী এবং ফার্মের সাথে নিবন্ধিত হলে এই কর্মসূচীতে অংশগ্রহণের যোগ্য হবে

(3) On announcement of a labeling schedule/regulation for respective Appliances, the Authority shall upload following information on its

SLA web portal:

- a) Schedule/regulation for the respective Appliances;
- b) Procedure for obtaining a Label;
- c) List of documents required to be submitted along with the application;
- d) Financial obligations involved

(১৯) কোনো যন্ত্রপাতি ও সরঞ্জামাদির তফসিল বা প্রবিধানমালা ঘোষণার পর কর্তৃপক্ষ তার লেবেলিং ওয়েব পোর্টালে নিম্নের তথ্যগুলো আপলোড করবে

- ক) ওই যন্ত্রপাতি ও সরঞ্জামাদির তফসিল/প্রবিধানমালা
- খ) লেবেল গ্রহণের কার্যপ্রণালী
- গ) লেবেল গ্রহণের আবেদনের সাথে দাখিলব্য দলিলপত্রাদির তালিকা
- ঘ) জড়িত আর্থিক বাধ্যবাধকতার তথ্য

(4) Process of registration

- a) There shall be registration process for the Applicant as an entity (Company/Manufacturer/Assembler/Trader/Importer) and for labeling of Appliances (Permittee)

(২০) নিবন্ধন প্রক্রিয়া-

ক) আবেদনকারীর নিবন্ধন প্রক্রিয়া (১) ব্যবসায়ী প্রতিষ্ঠান (কোম্পানি/ উৎপাদনকারী/ এসেম্বলার/ ব্যবসায়ী/আমদানীকারক) হিসেবে এবং (২) লেবেল ব্যবহারের অনুমতিপ্রাপ্ত যন্ত্রপাতি ও সরঞ্জামাদি হিসেবে এ দুই ধরনের হবে

b) The Authority shall invite application for registration for both entity and appliances through the SLA web portal of the Authority and news papers or by any other media;

খ) কর্তৃপক্ষ লেবেলিং ওয়েব পোর্টাল এবং সংবাদপত্র বা অন্যান্য মিডিয়ায় মাধ্যমে ব্যবসায়ী/বিক্রেতা হিসেবে এবং লেবেল ব্যবহারের অনুমতিপ্রাপ্ত যন্ত্রপাতি ও সরঞ্জামাদি হিসেবে নিবন্ধনের জন্য দরখাস্ত আহ্বান করবে

c) The detailed process for registration of the applicant and the Appliances shall be uploaded in the SLA web portal of the Authority

গ) ব্যবসায়ী প্রতিষ্ঠান নিবন্ধন এবং লেবেল ব্যবহারের অনুমতিপ্রাপ্ত যন্ত্রপাতি ও সরঞ্জামাদি নিবন্ধন এর বিস্তারিত কার্যপ্রণালী কর্তৃপক্ষ তার লেবেলিং ওয়েব পোর্টালে আপলোড করবে

d) The Applicant may apply online through SLA web portal or submit hard copies of the application along with supporting documents to the Authority. The applicants shall strictly follow the following guidelines:

- 1) Each and every document submitted to the Authority (either in hard copy or online) shall be duly signed with seal by the head of

- organization or authorized signatory in original;
- 2) All the documents must be submitted in a sequential manner;
 - 3) Documents without proper filing or loose or clipped or only stapled will not be accepted;
 - 4) Non-compliance of any provision related to process is subjected to rejection of application/registration;

ঘ) আবেদনকারী অনলাইন লেবেলিং ওয়েব পোর্টাল এর মাধ্যমে অথবা প্রয়োজনীয় কাগজপত্রসহ হার্ডকপির মাধ্যমে কর্তৃপক্ষের নিকট নিম্নোক্ত নির্দেশনা কঠোরভাবে অনুসরণপূর্বক আবেদন করতে পারবে

- ১) দাখিলকৃত প্রতিটি দলিলপত্র প্রতিষ্ঠান প্রধানের যথাযথ স্বাক্ষর ও সীলসহ অথবা মূল অনুমোদিত স্বাক্ষরকারী কর্তৃক হতে হবে
- ২) প্রতিটি দলিলপত্র ক্রমানুসারে সাজিয়ে দাখিল করতে হবে।
- ৩) অনুপযুক্ত ফাইলিং, খোলা বা অসম্পূর্ণ আবেদনপত্র গ্রহণ করা হবে না।
- ৪) নিবন্ধনের কার্যপ্রণালীর যেকোনো ব্যত্যয় হলে আবেদনপত্র/নিবন্ধন বাতিল বলে গণ্য হবে।

e) Registration as a Company

- 1) The application for registration shall be submitted in the prescribed form (Annexed as **Schedule-I**) along with authenticated copies of the following documents;

ঙ) ব্যবসায়ী প্রতিষ্ঠান হিসেবে নিবন্ধন

- ১) নিবন্ধনের জন্য আবেদনপত্র তফসিল- ১ এর নির্ধারিত ফরমে নিম্নের দলিলাদিসহ পেশ করতে হবে

i. Document authenticating the name and address of the premises where the Appliances are manufactured and/or the business office registered with ROC

- ১) যৌথমূলধন কোম্পানি ও ফার্মসমূহের পরিদপ্তরে নিবন্ধিত যন্ত্রপাতি ও সরঞ্জামাদি উৎপাদন প্রাঙ্গণ এবং/অথবা ব্যবসায়ী প্রতিষ্ঠান এর নাম ও ঠিকানা প্রমাণক দলিল

ii. The certificates or documentary evidence from ROC

- ২) যৌথমূলধন কোম্পানি ও ফার্মসমূহের পরিদপ্তর হতে প্রাপ্ত সনদ অথবা দলিলের প্রমানিত অনুলিপি

iii. Sale deed indicating ownership of the premises by the applicant firm or valid lease deed showing lawful occupancy of the firm over the premises (in case the applicant firm is having tenancy rights over the premises)

- ৩) যন্ত্রপাতি ও সরঞ্জামাদি উৎপাদন প্রাঙ্গণ এবং অথবা ব্যবসায়ী প্রতিষ্ঠান এর মালিকানা/ দখল প্রমাণক বিক্রয় চুক্তি অথবা বৈধ ইজারা দলিলের প্রমানিত অনুলিপি

iv. Memorandum and Article of association (MOA)

authenticating that the Appliance business is being carried out as per provision in the MOA

8)

- v. A duly stamped letter from the head of the organization on its letter head mentioning the name and specimen signature of the authorized signatory for representing the organization
 - vi. A declaration from the applicant stating that the information provided in the documents is correct and can be verified at any given time
- 2) For voluntary labeling program, Applicant shall enter into an agreement on a non-judicial stamp paper worth Taka 150, with the Authority as per prescribed draft (Annexed as **Schedule-II**), agreeing to abide by the terms and conditions of the scheme. The agreement will be valid until expiry of voluntary period or for a period of 3 years whichever is earlier;
 - 3) The applicant shall deposit a security fee of Taka 1,00,000 for registration. However, applicants registered as small and medium enterprise (SMEs), shall deposit Taka 25,000, and importers shall deposit Taka 20000 provided they submit the valid SME registration certificate/Import Registration Certificate (IRC);
 - 4) The security deposit shall be paid through demand draft in favor of "Sustainable and Renewable Energy Development Authority" payable **at Dhaka** or online. In case payment is made online, the applicant shall provide the receipt of payment;
 - 5) Applicant shall subsequently submit hard copies of the application along with all the supporting documents specified above, to the Authority in the following sequence;
 - i. Cover Letter as per prescribed format (Annexed as **Schedule-III**)
 - ii. Cover Letter format for Company Registration (Annexed as **Schedule-IV**)
 - iii. Agreement between Authority & user of label/Permittee for voluntary Appliances

- iv. Document authenticating the name and address of the manufacturing or business premises
 - v. Trade Marks certificate
 - vi. SME certificate, if applicable
 - vii. Quality Management System Certificate, if available
 - viii. Authorized Signatory Letter
 - ix. BSTI License, if applicable
 - x. Demand Draft (Security deposit)/payment receipt in case payment is made online
 - xi. Print out of the Online Application form (properly signed and stamped with company seal)
 - xii. The hard copies of the documents shall be sent to the following official of SREDA
Chairman
Sustainable & Renewable Energy Development Authority
- 6) The Authority shall scrutinize the applications for conformance to the requirement and in case of any non-conformance inform the Applicant to take corrective measures within three (3) weeks of receipt of the hard copies of application along with required documents
- 7) The Authority shall register the Applicants within six (6) weeks of receipt of the applications, if all documents are found in order
- 8) On approval of company registration, each applicant shall be allotted an user ID and password. The applicant may file and track the status of its application for model registration through the SLA web portal of the Authority;
- f) Registration of Appliance Models under Voluntary phase

- 1) The applicant shall apply online for registering their models as per the prescribed format (Annexed as **Schedule-V**) along with the list of documents **and a non-refundable registration fee of Taka 5000 for each** model
- 2) The fee can be paid through demand draft in favor of "Sustainable and Renewable Energy Development Authority" payable at Dhaka or online. In case payment is made online, the applicant shall provide the receipt of payment;
- 3) The Applicant shall also submit hard copy of the application along with authenticated copies of the following documents
 - i. A cover letter on the organization letter head as per the prescribed format (**Annexed as Schedule-VI**)
 - ii. Demand draft or in case, the payment is made online, then receipt of online payment must be provided
 - iii. Test report in original providing the energy efficiency and/or specific energy consumption and/or energy efficacy performance values of the Appliances, from laboratories approved by the Authority for the purpose of SLA program which may include manufacturers' own lab or an independent lab. Manufacturers' in house test report must be submitted on the letter head of the organization. The manufactured Appliances should conform to the relevant standards referred in the schedule of this regulation or in separate Appliances regulation issue subsequently and the validity of such test report shall not be more than 1 year
 - iv. The values of the test results shall be submitted as per the prescribed format specified in respective Appliances regulation or schedule of this regulation as notified by the Authority from time to time for individual Appliances

- v. The applicant shall submit a declaration letter for family of models as per prescribed format (Annexed as **Schedule-VII**)
 - vi. Specimen of the Authority approved label as specified in the relevant Appliances regulation or schedule of this regulation
- 4) The Authority shall scrutinize the applications for conformance to the requirement and in case of any non-conformance inform the Applicant to take corrective measures both at hard copy and SLA web portal within three (3) weeks of receipt of the hard copies of application
 - 5) The Authority shall register the Appliance models against the name of the Company (Permittee) applied for permission to affix the appropriate labels for the Appliances as per provision of this SLA scheme within six (6) weeks of receipt of the applications, if all documents are found in order
 - 6) The Authority shall issue a formal notification in favor of applicant informing the approval through its SLA web portal

(5) Withdrawal or suspension of registration

- a) The registration as Company shall automatically expire under any of the following circumstances
 - 1) Material changes in the status of the Company and its businesses;
 - 2) Company voluntarily requesting Authority for deregistration;
 - 3) The Authority terminating the contract after following the due process in case the Company violates any of the conditions of the terms of the registration and/or terms of the Agreement with the Authority for voluntary labeling;
- b) The registration of the Permittee for labeling of the Appliances overall or a particular Alliance model shall automatically expire

under any of the following circumstances

- 1) Expiry of the tenure of the Agreement between the Authority and the Permittee for labeling of the particular Appliance models;
 - 2) The Permittee voluntarily requesting Authority for deregistration of a particular Appliance Model
 - 3) If registered model is not produced within 6 months from date of approval of registration for the respective model, **except for custom build Appliances;**
 - 4) Non-compliance in manner of display of the label as specified in the respective schedule of this regulation or separate appliance regulation;
 - 5) **Non receipt of action taken report from Permittee on failure of sample in second check testing; ????**
 - 6) **Inadequate measures taken towards correcting the discrepancies or time taken is more than the prescribed period;**
 - 7) Non-compliance to the requirements in case the schedule/regulation/statutory order is amended/revised; and
 - 8) Any other case of non-compliance with regulation/schedule of respective Appliances;
- c) In the event of cancellation of registration by the Authority, the security deposit shall be forfeited;
- (6) Renewal of registration/Reregistration
- a) The Authority may consider applications from the Company and/or the Permittee for renewal of cancelled or non-renewed registration once corrective measures have been taken by the Company and/or Permittee;

- b) The applicant shall provide an undertaking with the evidence of measures taken towards correcting the discrepancies and assuring that there shall not be reoccurrence of non-conformance and discrepancies;
- c) The Authority shall follow the same procedure for reregistration as for a new application;
- d) However, applications for reregistration shall not be considered for second time cancelled or non-renewed registration on account of reasons enumerated at clauses (5) b) 5) to 8) above;

Article-6

Test protocols, laboratories & certification

(1) Test protocols

- a) The Approved Laboratories shall carry out testing for determination of energy performance shall be carried out as per the relevant **BDS/IEC/ISO** testing protocol for the Appliances
- b) BSTI shall develop testing protocols for the Appliances proposed to be covered under the Labeling program by the Authority in case these Appliances are not covered under existing BDS protocols.
- c) Testing protocols as per relevant **IEC/ISO** standard shall be adopted for testing of energy performance of the Appliances for which BDS testing protocol has not been notified by BSTI

(2) Testing laboratories

- a) The Authority shall approve the testing laboratories and authorize them for carrying out energy performance test as per relevant **BDS/IEC/ISO** protocol and submit test report to the permittee with a copy to Authority on energy performance as per the BSTI protocol
- b) The Authority in consultation with and advice from the 'Technical Committee' lay out a detailed process that shall be followed for approval of the testing laboratories

- c) The Authority can suspend or withdraw the approval for a testing laboratory in case of defaults by the laboratory in accordance of the process developed in consultation with 'Technical Committee'
- d) A testing laboratory shall have to get their systems and processes certified as per ISO 9001:2015 or its later version before seeking approval from the Authority
- e) The Authority may approve foreign testing laboratories for energy performance testing of Appliances being imported from those countries for issue of test certificate. The foreign testing laboratories shall follow the same process for obtaining approval from the Authority
- f) The list of the approved Laboratories shall be permanently displayed in the web portal of the Authority
- g) The tenure of approval shall be for two years subject to renewable further by the Authority
- h) BSTI laboratory may be designated the 'Referral Laboratory' for the purpose check, second check and challenge testing by the Authority
- i) The Authority in consultation with the 'Technical Committee' shall periodically review the development of testing laboratories in Bangladesh and designate as test laboratories conforming to the requirement of the Regulation as 'Referral Laboratories'

(3) Test certificates

- a) The testing laboratories shall issue the test as per BSTI formats for issue of energy performance certificates for the relevant Appliances
- b) BSTI shall develop energy performance test certificate formats for Appliances for which formats are not existing as per request from the Authority

- c) Every testing laboratory can follow its own procedure for the test certification issuance process for which it shall obtain prior approval from the Authority

(4) Fees for testing & certification

- a) The Authority shall determine the fee for fresh approval and periodic renewal of approval for testing laboratories in consultation with the 'Technical Committee' and taking into considerations the fee structure of the Bangladesh Accreditation Board for accreditation of laboratories
- b) The testing laboratories can determine their own fee structure for testing and issue of test certificates. They shall publically notify the fees and keep the Authority informed
- c) The Authority shall display the fees charged for the approval of laboratories and also the fees charged by individual laboratories for testing and issue of test certificate in their web portal
- d) The Authority shall realise cost of second check testing including cost of Appliance and testing and test certification from the Permittee in case the Appliance failed in the performance test during check testing

Article-7

Label design, administration & fees

(1) Label design

- a) Every label shall contain the following information
 - 1) Unique identification number (UIN) of the Permittee
 - 2) Quick response (QR) code for traceability of the Appliance for energy performance and test certificate including source of

manufacture and production batch, Permittee company UIN and the Label serial number

- 3) Energy performance values
 - 4) Star rating/Label
 - 5) Other technical details relevant for the Appliance and as prescribed in the schedule for individual Appliance
- b) The Authority shall determine the master layout design of the Label and the color scheme in consultation with the 'Technical Committee'
 - c) The Authority shall determine the layout design of the Label for individual Appliance in accordance with and conforming to the basic features of the master layout and color scheme

(2) Label administration

- a) Every Permittee shall submit application and obtain prior written approval from the Authority on the number of labels as per the label and Appliance category it wishes to affix during a quarter
- b) The Permittee shall collect required number and category of printed label from the authority and deposit printing fee for each label as determine by the TC
- c) The Permittee shall apply to the Authority for fresh approval only after consuming no less than ninety percent (90%) of the number of labels for which approval was obtained
- d) The Authority shall allow a Permittee to surrender the number of labels in case it wishes to discontinue labeling of appliance in any category
- e) The Authority shall maintain a real time electronic register for keeping a record of approved labels and number of labels under different label categories affix by each and every Permittee
- f) The Permittee shall affix the labels in a manner that the information on the number of labels affixed for individual

Appliance under different star/label category get automatically transmitted to the Authority through the QR code or similar means and recorded in its electronic register

- g) Every Permittee shall submit a monthly report to the Authority in electronic format as well hard copy before 7th date of the following month providing information on Appliance category and label category wise number of Appliances dispatched to the market.
- h) The Permittee shall display the labels on the product as per the guidelines provided in the schedule for individual Appliance
- i) The Permittee shall apply the label on the Appliance in a manner that it cannot be removed without destroying the label or reused after removal. This can be done by using appropriate self adhesive labels, transfixing, printing on name plates or printing on Appliance itself
- j) The Authority shall periodically monitor by market survey to ensure that the labels are being properly displayed and as per the schedule for the Appliance

(3) Fee for labels

- a) Every Permittee shall pay label fee to the Authority for every individual label as per the information on number of labels printed obtained from the Permittees through the QR code and/or monthly report
- b) The Authority shall determine the fee for individual label for an Appliance category in consultation with the 'Technical Committee' and taking into consideration:
 - 1) Total cost of label administration
 - 2) Total cost of monitoring & verification including cost of product samples and logistics for check testing
 - 3) Cost of publicity and other promotional measures
- c) The Authority shall notify the label fee for various Appliances in their web portal after obtaining approval from the Government

- d) Every Permittee shall deposit the label fee for the number of labels along with application as per clause (2) a) under this article

Article-8

Monitoring, verification and compliance

(1) Check testing

- a) The Authority shall carry out periodic check testing with a view to assess the accuracy of the claims made for the energy performance of individual Appliance category affixed on the label by a Permittee in accordance with the schedule for the Appliance category
- b) The Authority may carry out such check testing by themselves or through agencies (Agency) designated by the Authority for the same
- c) The Authority shall select Agencies through open bid as per procedure developed in consultation with the 'Technical Committee' and approved by the Government
- d) The Authority or its designated Agencies shall use a sampling based approach for selection of Appliance for check testing
- e) The Authority or its designated Agencies shall procure the Appliance from the market and send the same to a 'Referral Laboratory' for testing of the samples for energy performance as per the test protocols
- f) The Referral Laboratory shall conduct the test and issue the test certificates as per protocol to the Authority and with a copy to its designated Agencies

- g) The Authority shall review the certificates to assess compliance of energy performance of the Appliance
 - h) The Authority shall take no further action in case the energy performance of the Appliance is found complying with the information provided in the label
 - i) Manufacturers/importer shall not use any label in their Product without prior registration from the Authority.
- (2) Second check testing
- a) The Authority or its designated Agencies shall conduct a second check testing in case the energy performance of the Appliance did not conform to the value as per the label
 - b) The Authority shall inform the Permittee about the failure of the Appliance during check testing phase and further action on second check testing for which the Permittee shall make necessary payment to the Authority as per the approved fee structure and prevalent cost of the Appliance
 - c) The Authority or its designated Agencies shall procure two samples from the market randomly selected as per the sampling plan for testing in the same Referral Laboratory
 - d) The Authority shall inform the Permittee the date of the tests and allow its nominee to witness the tests
 - e) The Authority or its designated Agencies shall proceed with the test even if the Permittee does not nominate its representative for witnessing
 - f) The Authority or its designated agencies shall proceed with the second check test even if the Permittee does not pay the fee. However, the Authority shall then suspend the registration of the Permittee to use label for that product category

(3) Corrective actions

In case any one or both samples collected for second test failed in the test:

- a) The Authority shall direct the Permittee to take the following actions within six week of issue of the electronic notice from the Authority:
 - 1) Correct the **star** rating/label displayed on the label of the product or remove the defects and deficiencies found during testing from the existing and new stock
 - 2) Withdraw all the stocks of the particular Appliance category from the market to comply with the directions of the Authority
 - 3) Make necessary changes in the contents their marketing and advertisement materials for the Appliance category and Submit 'Action Taken Report' to the Authority
- b) The Permittee shall take corrective action for improving the energy performance or degrade the **star** rating/label of the Appliance and submit an 'Action taken report' to the Authority
- c) The Authority shall review the 'Action taken report' and in case of compliance, restore the registration of the Permittee for use of appropriate label
- d) In case the Authority does not receive the 'Action taken report' or the Permittee does not comply with the directive of the Authority, the Authority shall take the following actions
 - 1) Cancel the registration of the Permittee and its participation in the SLA scheme for an indefinite period and until corrective actions have been taken to the satisfaction of the Authority
 - 2) Publish the name of the Permittee and particulars of the cancellation of the registration in one English and two Bangla newspaper in all the major cities in Bangladesh
 - 3) Take any other legal action deemed appropriate for the protection of the consumers and maintaining the efficacy and reputation of the SLA scheme

(4) Challenge testing

- a) The Authority shall carry out challenge testing in case they receive complaint from the market or any other sources about mis-declaration of energy performance by a Permittee in any Appliance category
 - b) The Authority shall inform the Permittee about conduct of the challenge test following the same process as in case of check test accept for:
 - 1) Only one sample of the Appliance category shall be procured for testing
 - 2) The Permittee shall bear the cost in case the Appliance fails in the test
- (5) Disposal of test samples
- a) The Authority or its designated Agencies shall take back the Appliance sample from the Referral Laboratory and dispose later
 - 1) For well circulation Authority shall publish auction notice for disposal in 2 daily newspaper and its website.

Article-8

Award & recognition to Permittees

- (1) The Authority shall determine the weighted average energy performances for individual Appliance categories for a Permittee taking into account the number of Appliance and their individual labels as per the record from the electronic register of the Authority
- (2) The Authority shall determine the moving average of the energy performance under different Appliance category for individual Permittee and rank order them according to percent improvement in the moving average
- (3) The Authority shall develop a recognition scheme in consultation with the 'Technical Committee'
- (4) The high performing Permittees shall be recognized through an annual award function as per the scheme

Article-10

Technical committee

- (1) There will be a technical committee (TC) for guiding and advising Authority for implementation of the Regulation

- a) Finalisation and periodic revision of the list of Appliances to be brought under the scheme
- b) Phasing of voluntary and mandatory schemes
- c) Registration and reregistration of Companies for participation in the scheme
- d) Registration and reregistration of Appliance Models for labeling under the scheme by Permittee
- e) Suspension of registration to Companies and Permittees
- f) Label design and administration including label fee
- g) Criteria for award of different grades of labels for energy performance over MEPS for different Appliances during voluntary & mandatory phases
- h) Revision of MEPS and labeling criteria
- i) Approval of testing laboratories
- j) Monitoring, verification and compliances
- k) Award & recognition to Permittees for outstanding performances

1. The Committee will be constituted in the following manner:

- a) Representative (not below the rank of Professor) from an eminent technical institution who shall also Chair the committee
- b) Representative (not below the rank of member) from Authority who shall also be the Co-Chair of the committee
- c) Representative (not below the rank of Deputy Director) from Bangladesh Standard and Testing Institution-Ex-Officio Member
- d) Representative (not below the rank of Deputy Director) from Bangladesh Accreditation Board-Ex-Officio Member
- e) Representative from Bangladesh University of Engineering and Technology (Not Below Associate Professor)-Ex-Officio Member
- f) Representative from Bangladesh Electrical Merchandise Manufactures Association (BEMMA)-Ex-Officio Member
- g) Representative from Bangladesh Refrigerator Manufactures Association -Ex-Officio Member
- h) Representatives from the relevant industry/trade associations as 'special invitee' for meetings to discuss issues for the relevant segment
- i) Representative from relevant and identified 'Consumer Forums' as 'special invitee'
- j) Member Secretary (not below deputy director), Sustainable and Renewable Energy Development Authority-

2. Process of Constitution of the Technical Committee

- a) The Authority shall prepare a panel of names for the Technical Committee and submit for approval before Board of the authority
 - b) The constitution of the Technical Committee shall be notified through the web portal of the Authority
 - c) The Authority shall prepare the terms and conditions for the technical committee
 - d) The tenure of the technical Committee shall be for 3 (three) years
 - e) The authority shall review and renew technical committee as per requirement
3. Sub-Committees
- a) The TC may set up sub-committees (SC) consisting of experts from the relevant field to provide recommendations to TC on specific issues
 - b) The tenure of sub-committees shall over as soon as the SC has completed their deliberations and submitted report to the TC

Annexes

Schedules & formats

- 1. List of appliances and implementation phases**
- 2. Registration process**
 - 2.1. Form for registration of company
 - 2.2. Covering letter for registration
 - 2.3. Agreement between company & SREDA
 - 2.4. Form for registration of Appliances
 - 2.5. Covering letter for registration of model, family of models
 - 2.6. Format for notification of registration of the company and model for SLA by SREDA
- 3. Flow chart-certification process**
- 4. Approval of laboratories other than BSTI**
 - 4.1. Form for registration of laboratory
 - 4.2. Covering letter for registration
 - 4.3. Agreement between Laboratory & SREDA
- 5. Baseline information**
 - 5.1. Format for reporting by manufacturers/importers/traders
 - 5.2. Quarterly Label Requisition application

Annexes

Schedule-I: Form for registration of Company

(1) Name of the Company/Firm

(2) Established on Date-----

(3) Appliance business since Year-----

(4) Registration particulars

a) Registrar of Companies No-----dated-----

b) Small scale industry No-----dated-----

c) Any other government agency Name----- No-----
dated-----

(5) Primary business (Appliances)¹

Manufacture/Import/Marketing

(6) Trade license No-----dated-----

(7) Addresses Property no-----Street no-----Town-----

Pin code

a) Registered office

b) Main marketing offices²

c) Manufacturing plants

(8) Contact coordinates for electronic communication of the registered office

E-mail id: -----Landline-----

Mobile-----

(9) Particulars of officer responsible for operating the SLA scheme

a) Name Mr./Ms./Dr-----

b) Qualification -----

c) Designation in the 28authorized28o -----

d) Length of service Years-----

e) Contact coordinates E-mail id: -----Landline-----

--Mobile-----

¹ Provide the list of major Appliances

² Provide the list of office/godowns/distribution points in the districts in which Appliances are being marketed

- f) Authorisation detail³ Board resolution no-----dated-----

- (10) Number of employees on role Engineers-----Technicians---
-----Others
- (11) Management systems being followed
- a) ISO 9001 quality management system⁴ Yes/No
In case yes, since when-----

(Signature & Name: The 29authorized
signatory)

³ Board resolution/General power of Attorney-attested copies to be submitted in hard form later

⁴ Copy of latest quality certificate document to be later submitted in hard form

Schedule II: Format for agreement for registration of Appliances (To be executed on a non-judicial stamp paper)

Agreement between Sustainable and Renewable Energy Development Authority, a statutory body constituted under the SREDA Act 2012 of the Government of Bangladesh; hereinafter referred to as 'The Authority' and -----applicant's organization name and having its registered office at-- hereinafter referred to as the 'Applicant',

Whereas the Authority has issued a Regulation vide Gazette notification number-----dated----- for standard and labeling of energy efficiency Appliances, hereinafter referred to as 'SLA regulation',

And Whereas the Applicant engaged in the manufacture/ marketing/ import of Appliance category (list of Appliance categories-----) under the Brands (Brand names for each Appliance category for which the Appliance wants to participate under the SLA scheme-----) has agreed to use the label under the SLA scheme (hereinafter referred to as the 'Label User').

Now therefore, the parties hereto mutually agree as follows:

(1) Objective

The objective of this Agreement is to ensure that both the parties shall work together with a view to achieve the objective of continuously improving the energy efficiency of various Appliances as per provisions of the SLA regulation.

(2) Commencement and duration

The agreement shall be valid for a period of 3 years commencing from the date it is signed unless it is terminated by giving termination notice by either of the party as per the provisions in the SLA regulation.

(3) Declaration by the Applicant

The Applicant confirms that it has all the facilities to perform various obligations required for declaration energy performance values in the labels, affixation of labels and real time monitoring and information sharing with the Authority on the number of labels under different categories affixed on different category of Appliances covered under this Agreement and as per the provisions of SLA regulation.

(4) Appliance category & number of labels

At the beginning of every year, the Applicant shall make an on-line request to the Authority for use of number of labels under different label and Appliance category as per the annexed schedule A.

(5) Authorisation for use of labels

The Authority shall authorize the Applicant to affix labels as per schedule A. The Applicant shall make on-line request to the Authority in case it wants to amend the Schedule A detailing out reasons. The Authority shall approve the same through on-line communication unless the request for change is against any provision of the SLA regulation (*Appliances & label categories*-----).

(6) Amendments

Both the parties agree to review the performance of the Agreement periodically and make any amendments required for achieving the objective of the SLA regulation within the framework of the regulation. Any such amendments shall be in the form of a written supplementary agreement as adjunct to this Agreement.

(7) Fees, taxes & duties

The Applicant agrees to pay label fees and taxes and duties as applicable from time to time as per the notification from the Authority and Government.

(8) Communications

Both the parties agree to communicate through electronic medium and resolve issues. However, in case these are not resolved written notice shall be issued. Written notice shall also be issued in case either party desires to amend the agreement.

Communication addresses:

Authority:

Postal:

The Secretary
SREDA, 9th & 10th Floor, IEB Building
Ramna, Dhaka-1000

Electronic:

Applicant:

Postal:

Electronic:

In witness whereof the parties hereto have signed this agreement.

(Authority)

(Applicant's organization name)

Name & Signature (Authorised signatory)
signatory)

Name & Signature (Authorised
signatory)

(Date of signing)

Witness:1.

Witness:

1.

Witness:2.

Witness:2.

Schedule A: Appliance category & labels

Appliance category	Numbers of labels under different label & Appliance category				
	One star	Two star	Three star	Four star	Five star
LED lights					
Ceiling fans					
Direct cool refrigerators					
Frost free refrigerators					
WAC					
Split AC					

Schedule III-Covering letter for submission of hard copies of documents for company registration (To be printed on letter head of the company)

Letter no-----

Dated-----

To The Secretary
Sustainable & Renewable Energy Development Authority
9th & 10th Floor, IEB Building
Ramna, Dhaka-1000

Dear Sir

Subject: Registration of company under SLA regulation

We the Manufacturer/Importer/Marketer of the following Appliances as per schedule of the SLA regulation wish to register our company for participation in the Appliance labeling program under the regulation.

List of Appliance category-----

We have already deposited the registration fee vide (particulars of banks & transfer details) ----dated---copy of the same is attached.

We are also submitting self attested copies of the following documents as required for registration of our company under the regulation:

1. Company registration certificate from the registrar of companies
2. Premises ownership/lease/rent deeds (registered office/principal operating offices/manufacturing plant)
3. Memorandum of association/article of association
4. Certificate of registration as a small scale company
5. Board resolution/34authorized34on from the legal owner of the company in terms of power of attorney in favor of the 34authorized signatory
6. Quality management certificate

I, the undersigned as the 34authorized signatory confirm that all the information and copies of documents provided above is true to best of my knowledge and belief.

I would request you to kindly register our company for participation in the labeling program.

Thanking you

Yours sincerely

(Name & signature of the authorized signatory)

Dated-----

Schedule IV-Registration and annual return-family of models under labeling

(1) Company

Name & Address

SLA Registration no----

(2) Return for year---

(3) Appliance details (*Particulars of all Appliances proposed for labeling*)

Appliance category	Manufacture/Import	Brand (s)

(4) Family of models (particulars of individual model from each Appliance category proposed for labeling)

Appliance model	Particulars of manufacturing			Manufacturing standards	
	Company	Country	Year	As indicated	Corresponding BSTI/IEC

(5) Test certificates

Appliance model	Test certificate particulars			Laboratory particulars		
	Number	Date	Energy performance data	Name	Address	Accreditation no/Authority approval number

(6) Number of Appliances (*Annual returns for individual models*)

	Sourced	Sold

Year	Manufacturer	Importer	Total	No star	1 star	2 star	3 star	4 star	5 star	Total
Appliance model-----										
2018										
2017										
2016										
Appliance model-----										
2018										
2017										
2016										
Appliance model-----										
2018										
2017										
2016										

Schedule V-Covering letter for registration of Appliance model under labeling

(To be printed on letter head of the company)

Letter no-----

Dated-----

To The Secretary
Sustainable & Renewable Energy Development Authority
9th & 10th Floor, IEB Building
Ramna, Dhaka-1000

Dear Sir

Subject: Registration of Appliance models for labeling under SLA regulation

We the Manufacturer/Importer/Marketer of the following Appliance models for labeling under the SLA regulation.

Sl no	Appliance model	Model number/id

--	--	--

Our company is registered with the Authority for participation in the labeling program vide no---dated-

We have deposited the registration fee vide (*particulars of banks & transfer details*) -----dated---copy of the same is attached.

We are also submitting self attested copies of the following documents as required for registration of the models for labeling under the regulations:

1. Test certificates from accredited/Authority approved laboratories
2. Sample labels

We also confirm to submit the annual returns as per schedule IV for on-line registration of Appliance models

I, the undersigned as the authorised signatory confirm that all the information and copies of documents provided above is true to best of my knowledge and belief.

I would request you to kindly register our Appliances for labeling under SLA regulation.

Thanking you

Yours sincerely

(Name and signature of the Authorised signatory)

Schedule VI-Covering letter for registration of laboratory
(*To be printed on letter head of the company*)

Letter no-----

Dated-----

To The Secretary
Sustainable & Renewable Energy Development Authority
9th & 10th Floor, IEB Building
Ramna, Dhaka-1000

Dear Sir

Subject: Registration of laboratory under SLA regulation

We the operator of the testing laboratory-----located at-----hereby apply for approval of our laboratory for testing and issue of test certificates for the following Appliances for the purpose of labeling for their energy performance.

Sl no	Appliance model	Testing as per standards
1		
2		
3		
4		

We have the required facilities including equipments, apparatuses and instruments for carryout various tests according to the relevant standards as per the SLA regulation-----notified by the Authority dated-----. The detailed list of facilities and copies of latest calibration certificates for the testing apparatuses and instruments have been attached with this application.

We are accredited by----- (for foreign laboratories only) and the accreditation is valid for issue testing of -----(list of Appliances) till----- (Date).

We have qualified and trained personnel for carrying out the various tests required under the Regulation. The list of the personnel along with their qualification and experience details has been attached with the application. We confirm that we would keep the Authority informed of any changes in the list of personnel within one week of such change.

We have deposited the required fee, copy of We have already deposited the registration fee vide (*particulars of banks & transfer details*) -----dated----copy of the same is attached.

We would request you to kindly register our laboratory SLA regulation.

Thanking you

Yours sincerely

(Name and signature of the Authorised signatory)

Schedule VII: Labeling regulation for ceiling fans

(1) Scope

This schedule specifies the requirements for participating in the energy efficiency standards and labeling for ceiling fans

(2) BSTI Standards

The referred Bangladesh Standard is BDS 1860:2012 (Minimum values for energy efficiency and energy efficiency grades for ceiling fans)

(3) Method of Tests

The testing code and procedure shall be as per BDS 818 with all amendments, as applicable

(4) Parameters to be tested

Parameters for initial, verification and challenge testing are the mandatory type tests that include Air delivery, Fan speed & power input. All parameters shall be tested as per method prescribed in BDS standard 818

(5) Reporting requirement

The test reports shall be submitted for every fan model in the format as per schedule B along with application for registration of the fan model for labeling

(6) Minimum energy performance standards (MEPS)

It refers to the minimum acceptable energy performance values of AC ceiling fans specified under test conditions in the standard expressed as cubic meter per minute per watt ($m^3/min/w$) of air displacement for qualifying for labeling under SLA regulation. MEPS for AC ceiling fans shall be as shown in the following table.

Table 1: MEPS-Ceiling fans*****

Fan sweep (mm)	MEPS ($m^3/min/w$)
*700	2.87
1050	2.93
1200	3.08
1400	3.32
1500	3.52

1800	3.67
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(7) The star rating plan

The star rating plan for ceiling fans shall be decided in consultation with the Technical Committee as per clause 10 of the regulation and the labeling criteria notified by the Authority.

(8) Tolerance limits

The performance values are minimum values & shall subject to any tolerance as per BDS 818

(9) Label content, manner of display

The label design, manner of display & contents will be decided in consultation with the Technical Committee and the same shall be notified by the Authority through various means of communication including their web portal, newspapers, radio, television and other media

(10) Labeling Fees

- a) Registration fee is payable on application for authority to affix labels is Taka 1000/- (Taka one thousand only)
- b) Registration fee of Taka 500 (Taka Five hundred only) is payable on application for renewal to authority for affix labels
- c) Labeling fee for affixation of label: Fee for affixation of each label shall be determined in consultation with the Technical Committee and communicated to all the companies registered for participation in the labeling program under SLA regulation

Schedule B: Format for test reports for fans for labeling
(Separate test reports to be submitted for each model)

1. Particulars of fan

- i. Name of manufacturer/importer/trader:
- ii. Fan manufactured by:
- iii. Company registration number for participation in the SLA program:
- iv. Type of fan:
- v. Brand name:
- vi. Manufacturers model name/number:
- vii. Sweep dimension (mm):
- viii. Rated watt:
- ix. Rated flow (m³/min):

2. Particulars of tests

- i. Laboratory name & address:
- ii. Laboratory registration number:
- iii. Date of sampling:
- iv. Date of test:
- v. Name of Testing Personnel:
- vi. Nature of Test and details of test conducted as per the relevant standards:
- vii. Nominal test condition:
- viii. Observations and Test results:

(Copy of test certificate from the laboratory attached).

Schedule VIII: Labeling regulation for LED lamps

(11) Scope

This schedule specifies the requirements for participating in the energy efficiency standards and labeling for self-ballasted LED lamp for general lighting services that works on single phase alternating current supply being manufactured or imported and sold in Bangladesh having:

- a) A rated power upto 60 W
- b) A rated voltage of > 50 V AC and upto 250 V AC
- c) A lamp cap as listed in IEC 62560

(12) BSTI Standards

The referred Bangladesh Standard is BDS IEC 62212:2015 (Self ballasted LED lamps for general lighting services >50 V-Performance requirements)

(13) Safety standards

In addition to the performance standards, the lamps have to conform to the safety standards as per IEC 62560

(14) Method of Tests

The testing code and procedure shall be as per BDS IEC 62212:2015

(15) Parameters to be tested

All parameters for initial, verification and challenge testing are the mandatory type tests to be carried out as per BDS IEC 62212:2015 as detailed out in the Annexes A of the BSTI standard

(16) Reporting requirement

The test reports shall be submitted for every lamp model in the formats as per schedule C along with application for registration of the lamp models for labeling

(17) Minimum energy performance standards (MEPS)

It refers to the minimum acceptable energy performance values of LED lamps specified under test conditions in the standard expressed as lumens/watt for the individual LED model.

(18) The star rating plan

The star rating plan for LED lamp models shall be decided in consultation with the Technical Committee as per clause 10 of the regulation and the labeling criteria notified by the Authority.

(19) Label content, manner of display

The label design, manner of display & contents will be decided in consultation with the Technical Committee and the same shall be notified by the Authority through various means of communication including their web portal, news papers, radio, television and other media

(20) Labeling Fees

- d) Registration fee is payable on application for authority to affix labels is Taka 1000/- (Taka one thousand only)
- e) Registration fee of Taka 500 (Taka Five hundred only) is payable on application for renewal of authority to affix labels
- f) Labeling fee for affixation of label: Fee for affixation of each label shall be determined in consultation with the Technical Committee and communicated to all the companies registered for participation in the labeling program under SLA regulation

Schedule C: Format for test reports for LED lamps for labeling
(Separate test reports to be submitted for each model)

3. Particulars of lamps

- x. Name of manufacturer/importer/trader:
- xi. Lamp manufactured by:
- xii. Company registration number for participation in the SLA program:
- xiii. Type of lamp:
- xiv. Brand name:
- xv. Manufacturers model name/number:
- xvi. Rated watt:
- xvii. Rated output (Lumens):

4. Particulars of tests

- ix. Laboratory name & address:
- x. Laboratory registration number:
- xi. Date of sampling:
- xii. Date of test:
- xiii. Name of Testing Personnel:
- xiv. Nature of Test and details of test conducted as per the relevant standards:
- xv. Nominal test condition:
- xvi. Observations and Test results: (Table below)

Sl no	Test parameters	Units	Measured Values	Declared values (Adjusting for tolerance)	Test standards
1	Power consumption	Watt			
2	Initial luminous flux	Lumen			
3	Luminous flux at 1000 hours	Lumen			
4	Color chromaticity Compliance with safety requirement (Yes/No)	Yes/No			
5	Color rendering index (CRI) Compliance with safety requirement (Yes/No) [If yes, attach relevant part of test report]	Index			
6	Life	Hours			
7	Power factor	Number			
8	Lamp Efficacy	Lumen/Watt			
9	Photo biological test Compliance with safety requirement	Yes/No			
10	Harmonics compliance with safety requirement	Yes/No			
11	Emission of radio frequency disturbances Compliance with safety requirement	Yes/No			

12	Beam Angle (For directional lamps)	Angle			
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(Copy of test certificate from the laboratory attached).

Schedule IX: Labeling regulation for room air conditioners

(21) Scope

This schedule specifies the requirements for participating in the energy efficiency standards and labeling for various types of close control room air-conditioners (RAC) that fall in the scope of AS/NZS 4965.1 and that are being manufactured or imported and sold in Bangladesh. The standards specify the following performance parameters:

- d) Rated power (input)
- e) Rated power (output)
- f) Energy efficiency rating (EER) for cooling
- g) Minimum energy performance requirement

(22) Exclusions

The scope of this regulation does not cover the following types of room air-conditioners

- a) Ducted packaged units
- b) Ducted and ductless packaged units
- c) Multi-split units
- d) Unbalanced air-conditioners and spot coolers
- e) Chilled water based centralised systems
- f) Evaporative coolers
- g) Any other air-conditioners not based on vapor compression system
- h) Heat pumps

(23) BSTI Standards

The referred Bangladesh Standard is BDS 1853:2012 (Performance of closed control air-conditioners-Minimum Energy Performance Standards (MEPS) requirements). This standard is to be applied in conjunction with standard AS/NZS 4965.1:2008

(24) Method of Tests

The testing code and procedure shall be as per AS/NZS 4965.1:2008 or ISO 5151:2017 (EN).

(25) Parameters to be tested

All parameters for initial, verification and challenge testing are the mandatory type tests to be carried out as per AS/NZS 4965.1:2008 or ISO 5151:2017.

- a) The parameters for testing shall be power consumption and cooling capacity test and shall be governed by maximum operating conditions test, power consumption test for cooling and the capacity rating test. The methodology for calculating the cooling seasonal total load,

cooling seasonal energy consumption and seasonal energy efficiency ratio for Bangladesh shall be in accordance with the ISO 16358 and based on the degree day cooling for Bangladesh

- b) The relevant clause of paragraph 6 of ISO 16358 shall apply for the method of calculating cooling seasonal total load and cooling seasonal energy consumption, according to the type of air conditioners.
- c) The power consumption and cooling capacity test for variable capacity air conditioner shall be carried out at both standard cooling at full capacity and standard cooling at fifty per cent. of full capacity, with appropriate frequency settings and the test conditions shall be as provided in the following table

Temperature		Cooling capacity	Power consumption
Outdoor	Indoor	At 35 °C	
35 degree Celsius dry bulb temperature and 24 degree wet bulb temperature	27 degree Celsius dry bulb temperature and 19 degree wet bulb temperature	Standard cooling at full capacity	Standard cooling at full capacity

(26) Tolerance limit

- a) The measured standard cooling at full capacity shall not be less than ninety five per cent of the rated value
- b) The measured power consumption for standard cooling at full capacity shall not be more than five per cent. of the rated value
- c) The measured energy consumption shall be <1.05 the rated value
- d) The measured energy efficiency ratio shall be >0.95 of the rated energy efficiency ratio

(27) Reporting requirement

The test reports shall be submitted for every RAC model in the formats as per schedule D along with application for registration of the RAC model for labeling

(28) Minimum energy performance standards (MEPS)

It refers to the minimum acceptable energy performance values of RAC specified under test conditions in the standard expressed as EER for the individual RAC model. The MEPS values shall be periodically reviewed

every two years and revised in consultation with the technical committee. The EER values for the year 2018-2020 shall be:

- a) 2.5 for unitary models
- b) 2.7 for split models

(29) The star rating plan

The star rating plan for the RAC models shall be decided in consultation with the Technical Committee as per clause 10 of the regulation and the labeling criteria notified by the Authority.

(30) Label content, manner of display

The label design, manner of display & contents will be decided in consultation with the Technical Committee and the same shall be notified by the Authority through various means of communication including their web portal, news papers, radio, television and other media

(31) Labeling Fees

- g) Registration fee is payable on application for authority to affix labels is Taka 1000/- (Taka one thousand only)
- h) Registration fee of Taka 500 (Taka Five hundred only) is payable on application for renewal of authority to affix labels
- i) Labeling fee for affixation of label: Fee for affixation of each label shall be determined in consultation with the Technical Committee and communicated to all the companies registered for participation in the labeling program under SLA regulation

Schedule D: Format for test reports for RAC for labeling
(Separate test reports to be submitted for each model)

5. Particulars of RAC

- xviii. Name of manufacturer/importer/trader:
- xix. RAC manufactured by:
- xx. Company registration number for participation in the SLA program:
- xxi. Type of RAC:
- xxii. Brand name:
- xxiii. Manufacturers model name/number:
- xxiv. Rated watt:
- xxv. Rated output (TR):
- xxvi. Energy efficiency ratio (EER):

6. Particulars of tests

- xvii. Laboratory name & address:
- xviii. Laboratory registration number:
- xix. Date of sampling:
- xx. Date of test:
- xxi. Name of Testing Personnel
- xxii. Test mode: Cooling only:
- xxiii. Test type: Cooling capacity/maximum cooling/all applicable tests
- xxiv. Nominal test condition:
- xxv. Test room type indoor equipment: Calorimeter/Enthalpy test room
- xxvi. Test room type outdoor equipment: Calorimeter/Enthalpy test room/water loop
- xxvii. Test Standard:
- xxviii. Test mode: Cooling/maximum cooling:
- xxix. Supply voltage:
- xxx. Supply frequency: Hz
- xxxi. Average current (amps): (Single-phase):
- xxxii. Stabilization period (minutes):
- xxxiii. Test period (minutes):
- xxxiv. Indoor condition – mean dry bulb ($\pm C$):
- xxxv. Indoor condition – maximum variation dry bulb (Max – min) ($\pm C$):
- xxxvi. Indoor condition – mean wet bulb ($\pm C$): (where applicable):
- xxxvii. Indoor condition – maximum variation wet bulb (max – min) ($\pm C$): (where applicable):
- xxxviii. Fan setting:
- xxxix. Average air flow volume (m³/hour):
- xl. Outdoor condition – mean dry bulb ($\pm C$):
- xli. Outdoor condition – maximum variation dry bulb (max – min) ($\pm C$):
- xlii. Outdoor condition – mean wet bulb ($\pm C$):
- xliii. Outdoor condition – maximum variation wet bulb (max – min) ($\pm C$):
- xliv. Reading frequency (minutes):
- xlv. Observations & test results: (Table below)

Parameters	Units	Values		Test standards
		Measured	Declared	
Sensible cooling capacity	Watt			
Latent cooling capacity	Watt			

Total cooling capacity	Watt			
Power consumption	Watt			
EER	Number			

Schedule X: Labeling regulation for Refrigerators and Refrigerator cum Freezers

(32) Scope

This schedule specifies the requirements for participating in the energy efficiency standards and labeling for various types of Refrigerators and Refrigerator cum Freezers based on electrical driven vapor compression technology that are being manufactured or imported and sold in Bangladesh for household use.

(33) Exclusions

The scope of this regulation does not cover the following types of Refrigerators and freezers

- i) Units not based on electrical vapor compression technologies
- j) Stand alone Freezers for long term storage

(34) BSTI Standards

The referred Bangladesh Standard is BDS 1850:2012 (Specification for Energy Efficiency Rating of Household Refrigerators, Refrigerator-Freezers and Freezers)

(35) Sampling for testing

One sample for testing shall comprise of at least three units out of a batch ten units for each of the model proposed for labeling and shall be selected on random basis. The average of the energy consumption values for three samples shall be considered as the projected annual energy consumption (PAEC) for the model for the purpose of labeling

(36) Method of Tests

The testing code and procedure shall be as per IEC standard 62552-1:2015 or equivalent international or national standards.

(37) Parameters to be tested

All parameters for initial, verification and challenge testing are the mandatory type tests to be carried out as per as per BDS 1850:2012 and shall include.

- d) Ice making
- e) Pull down
- f) Temperature performance
- g) Water vapor condensation
- h) Energy consumption

(38) Tolerance limit

The tolerance limits for variation in the actual energy consumption determined during check testing or challenge testing from the PAEC shall be determined in consultation with the Technical Committee and notified

(39) Energy rating for labeling

Energy rating $E_r = EC/V^1$

EC: Projected annual energy consumption (PAEC) in kWh/year

$V^1 = V_f * K_f + V_c * K_c$

V_f : Volume of frozen food compartment in liters

$K_f = 32 - T_f$

T_f : Temperature of frozen food compartment in °C

V_c : Volume of fresh food compartment in liters

$K_c = 32 - T_c$

T_c : Temperature of fresh food compartment in °C

(40) Reporting requirement

The test reports shall be submitted for every refrigerator/freezer model in the formats as per schedule E along with application for registration of the model for labeling

(41) Minimum energy performance standards (MEPS)

It refers to the minimum acceptable energy performance values of Refrigerator/Freezer specified under test conditions expressed as energy rating E_r for the individual Refrigerator/Freezer model. The MEPS values shall be periodically reviewed every two years and revised in consultation with the technical committee. The E_r values for the year 2018-2020 shall be:

Refrigerator class (BDS 1850:2012)	MEPS (E_r)
1 and 2	≥ 0.138
3	≥ 0.130
4 and 5	≥ 0.092

(42) The star rating plan

The star rating plan for the Refrigerator/Freezer models shall be decided in consultation with the Technical Committee as per clause 10 of the regulation and the labeling criteria notified by the Authority.

(43) Label content, manner of display

The label design, manner of display & contents will be decided in consultation with the Technical Committee and the same shall be notified by

the Authority through various means of communication including their web portal, news papers, radio, television and other media

(44) Labeling Fees

- j) Registration fee is payable on application for authority to affix labels is Taka 1000/- (Taka one thousand only)
- k) Registration fee of Taka 500 (Taka Five hundred only) is payable on application for renewal of authority to affix labels
- l) Labeling fee for affixation of label: Fee for affixation of each label shall be determined in consultation with the Technical Committee and communicated to all the companies registered for participation in the labeling program under SLA regulation

Schedule E: Format for test reports for Refrigerator/Freezer for labeling
(Separate test reports to be submitted for each model)

7. Particulars of Refrigerator/Freezer

- xxvii. Appliance particular (Please tick the appropriate one):
Refrigerator/Refrigerator-Freezer/Freezer
- xxviii. Name of manufacturer/importer/trader:
- xxix. Manufactured by:
- xxx. Company registration number for participation in the SLA program:
- xxxi. Type of Refrigerator/Freezer:
- xxxii. Brand name:
- xxxiii. Manufacturers model name/number:
- xxxiv. Rated watt:
- xxxv. Energy rating (E_r):

8. Particulars of tests

- xlvi. Laboratory name & address:
- xlvii. Laboratory registration number:
- xlviii. Date of sampling:
- xlix. Date of test:
- l. Name of Testing Personnel
- li. Energy consumption (PAEC)
- lii. Observations & test results: (Tables below)
 - a. Energy performance test

Parameters	Specified	Observation	
		Warm	Cold
Temperatures (°C)			
Temperature of freezer compartment (F1)			
Temperature of freezer compartment (F2)			
Temperature of freezer compartment (F3)			
Temperature of freezer compartment (F4)			
Temperature of freezer compartment (F5)			
Average temperature of fresh food compartment			
Temperature of fresh food compartment (R2/3h)			
Temperature of fresh food compartment (R1/3h)			
Temperature of fresh food compartment (R-25 mm)			
Energy consumption (WH) –Readings taken at time intervals (minutes) in a separate log book to be attached and based on which following figures computed			
Energy consumption (WH/day)			
Energy consumption (Fresh food compartment) at target temperature			
Energy consumption (Freezer compartment) at target temperature			
Overall energy consumption at target temperature			
Projected annual energy consumption (kWh/year)			

b. Pull down temperature test (°C)

Temperatures of	Specified	Observed after 6 hours
Short term frozen food compartment (F1)		
Short term frozen food compartment (F2)		
Short term frozen food compartment (F3)		
Short term frozen food compartment (F4)		
Short term frozen food compartment (F5)		
Short term fresh food compartment-average		
Chill compartment		
Fresh food compartment (R2/3h)		
Fresh food compartment (R1/3h)		
Fresh food compartment (R-25 mm)		
Temperature control setting (Fresh food compartment)		

c. Storage volume test

Compartments	Volume (Liters)
Gross volume	
Freezer	
Fresh food storage	
Total	
Storage volume	
Freezer	
Fresh food storage	
Total	