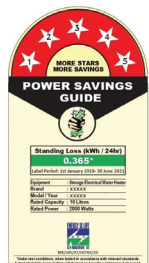


# Disseminating Star Labeling in Household Appliance (DISHA)

A User Guide to promote  
Star Rated Appliances in India







अभय बाकरे, आईआरएसईई  
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### Acknowledgement

Standards & Labeling Program is being implemented by BEE since the year 2006 under the provisions of EC Act. To facilitate the detailed information about the implementation of this program, an Operation Manual was launched in January, 2016. Over a period of last 5 years, various feedbacks have been received from stakeholders to simplify the procedure for registrations and granting approvals. Gradually, various measures were taken by BEE to ease out the registration procedure, like Digitization of complete S&L portal. Accordingly, a need was felt to revise the Operation Manual.

Disseminating Star Labelling in Household Appliance (DISHA), the revised Operational Manual developed by Bureau of Energy Efficiency ("BEE" or the "Bureau") will serve as a comprehensive reference document for the implementation of Standards and Labelling program.

I would like to acknowledge the development team whose diligent hard work and commitment made the revision of this manual possible. The manual has been drawn from various assessment studies and recommendations. Every effort has been made to address and incorporate the operational gaps and issues.

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**Disclaimer:** Every attempt has been made to provide guidelines for various situations, but many new situations may arise, which may not be covered by the procedures outlined here. In such cases the general principles of standards and labelling Program shall be applied by the decision-making authority at Bureau of Energy Efficiency, or any other appropriate authority as delegated by the Bureau with proper recording of justification under intimation to Director General, hereinafter referred to as 'DG'. Where difficulty arises in arriving at a decision, prior direction of the DG shall be taken. DG shall have authority to decide on any issue and permit any deviation from the Manual. However, the actions proposed or decisions taken at any level must be in the framework of provisions of Energy Conservation Act, 2001, Rules, Regulations and Statutory orders.



## Glossary

**Act:** The Energy Conservation Act, 2001 (52 of 2001).

**Appellate Tribunal:** means the Appellate Tribunal for Energy Conservation referred to in section 30 of EC Act.

**“BEE” or the “Bureau”:** means the Bureau of Energy Efficiency established under the Act.

**Designated Agency:** means any agency designated under clause (d) of section 15.

**Energy Consumption Standards:** means the norms for process and energy consumption standards for any equipment, appliance which consumes, generates, transmits or supplies energy;

**Equipment or appliance:** means any equipment or appliance which consumes, generates, transmits or supplies energy and includes any device that consumes any form of energy and produces a desired work.

**Inspecting officer:** means the inspecting officer appointed under sub-section (1) of section 17 of the EC Act.

**Label:** means any written, printed, marked, stamped or graphic matter affixed to, or appearing upon the appliance/equipment.

**Label period:** means the validity period of the energy efficiency label under the energy consumption standard specified by the Central Government under clause (a) of Section 14 and in case the end period of the energy efficiency label is not specified, it shall be deemed to be valid until a new energy efficiency label is announced by the Central Government.

**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.

**Notification:** means a notification in the Gazette of India or, as the case may be, the Official Gazette of a State.

**Permittee:** means a person who has been granted the permission to affix the label.

**Regulations:** means the regulations made by the Bureau under the Act.

**Schedule:** means a document which prescribes the minimum energy performance standards, particulars and manner of display of label and



other relevant information of appliances/equipment covered under the labelling Program.

**Star rating or star level:** means the grade of energy efficiency displayed on the label of the appliance/equipment based on the energy consumption standard notified under clause (a) of section 14 to denote the energy efficiency of the appliance/equipment.

**Trader or Seller:** means in relation to any labeled appliance/equipment means, a person who sells or distributes any such appliance/equipment and includes the manufacturer, trader, and permittee given permission to affix label on such appliance/equipment.

**Days:** means working days of the Bureau.





## SECTION - I

### Overview of Standards & Labelling (S&L) Program

This section provides overview of S&L Program of Bureau of Energy Efficiency(BEE), Ministry of Power (MoP), Government of India. It also provides information about the organizations involved in the S&L Program, their roles and responsibilities. In addition, it also prescribes criteria for selection of appliance/equipment to be considered under the labelling program.

### Introduction

Government of India enacted the Energy Conservation (EC) Act, 2001 to realize the benefits of energy efficiency through reduced energy consumption. The Act provides the legal framework, institutional arrangement and regulatory mechanism to embark upon an energy efficiency drive in the country. Energy efficiency institutional practices and programs in India are being guided through various provisions of the Act.

BEE was established on 1st March, 2002, under the provisions of the EC Act, 2001. The mission of the Bureau is to assist in developing policies and strategies with a thrust on self-regulation and market principles, within the overall framework of the EC Act, 2001 with the primary objective of reducing energy intensity of the Indian economy.

### 1. Standards & Labelling Program of BEE

The S&L Program is one of the major thrust areas of BEE. The Program was launched in 2006, by Ministry of Power. The key objective of this program is to provide the consumer an informed choice about the energy savings and thereby cost saving potential of the relevant star rated appliance/equipment. This Program entails laying down minimum energy performance standards (MEPS) for appliance / equipment, rating the energy performance on a scale of 1 to 5, 5 star being the most energy efficient one.

'Energy labelling' is one of the most cost-effective policy tools for improving energy efficiency and lowering energy cost of appliance/equipment for consumers. The program has been developed in a collaborative and consensus driven approach with active participation from all the stakeholders.



### **Standards**

Energy efficiency standards prescribe the energy performance benchmarks for the manufactured appliance/equipment, thereby prohibiting the sale of appliance/equipment that are less efficient than the minimum specified level. The term “standards” specifies well-defined test protocols (or test procedures) to obtain an accurate estimate of the energy performance of an appliance/equipment.

### **Labels**

Energy efficiency labels for appliance/equipment provide information on energy performance (usually in the form of energy use/efficiency); these labels give consumers an informed choice to purchase energy efficient appliance. Mainly there are two types of labels namely; comparative label and endorsement label:

- a) **Comparative label:** Allows consumers to compare efficiency of all the models of an appliance/equipment in order to make an informed choice. It shows the relative energy use of an appliance/equipment compared to other models available in the market.
- b) **Endorsement label:** Defines a group of appliance/equipment as efficient, when they meet minimum energy performance standards (MEPS) specified in the respective appliance/equipment schedule/ gazette notification.

Under S&L Program, the Permittee provides information related to energy efficiency of the appliance/equipment prescribed in its respective schedule/gazette notification issued from time to time. A star rating, ranging from 1 to 5 in the ascending order of energy efficiency is provided to appliance/equipment registered with the Bureau. An endorsement label is also provided for some appliances/equipment.

The Bureau in consultation with technical committees comprising of representatives from industry, industry association, consumer organizations, academia, Non-Government Organizations (NGOs), Research & Development (R&D) institutions, testing laboratories, government organizations and regulatory bodies etc. recommends the energy performance standards for appliance/equipment.



## 2. Institutional Mechanism under S&L Program

For effective implementation of S&L Program, it is imperative to have a robust institutional mechanism in place. Under the current framework of S&L program, various organizations and committees are involved and their roles and responsibilities are furnished below:

### 2.1 Bureau of Energy Efficiency

The Bureau of Energy Efficiency is the national nodal agency for energy efficiency and is headed by Director General, also referred to as 'DG, BEE'.

2.1.1 The power and functions of the Bureau as per Energy Conservation Act, 2001, with reference to standards and labelling, include:

- i. **Section 13 clause 2(a):** Recommend to the Central Government the norms for processes and energy consumption standards required to be notified under clause (a) of section 14;
- ii. **Section 13 clause 2(b):** Recommend to the Central Government the particulars required to be displayed on label on equipment or on appliances and manner of their display under clause (d) of section 14;
- iii. **Section 13 clause 2(e):** Take all measures necessary to create awareness and disseminate information for efficient use of energy and its conservation;
- iv. **Section 13 clause 2(f):** Arrange and organize training of personnel and specialists in the techniques for efficient use of energy and its conservation;
- v. **Section 13 clause 2(i):** Develop testing and certification procedure and promote testing facilities for certification and testing for energy consumption of equipment and appliances;
- vi. **Section 13 clause 2(j):** Formulate and facilitate implementation of pilot projects and demonstration projects for promotion of efficient use of energy and its conservation;
- vii. **Section 13 clause 2(k):** Promote use of energy efficient processes, equipment, devices and systems;
- viii. **Section 13 clause 2(l):** Promote innovative financing of energy efficiency projects;



- ix. **Section 13 clause 2(m):** Give financial assistance to institutions for promoting efficient use of energy and its conservation;
- x. **Section 13 clause 2(n):** Levy fee, as may be determined by regulations, for services provided for promoting efficient use of energy and its conservation;
- xi. **Section 13 clause 2(t):** Implement international co-operation programmes relating to efficient use of energy and its conservation as may be assigned to it by the Central Government;
- xii. **Section 13 clause 2(u):** Perform such other functions as may be prescribed.

### 2.1.2 The key responsibilities of the Bureau related to administration of the S&L program are as follows-

- i. Identification of appliance/equipment for developing Star Labelling program based on the energy saving potential estimated from market assessment.
- ii. Constitution of Technical Committee for respective appliance/equipment.
- iii. Development of energy performance standards for various appliance/equipment based on the recommendations of Technical Committee members.
- iv. Issuance of appliance/equipment schedules for voluntary regime and Gazette Notification for mandatory regime.
- v. Define process and protocols for registration/renewal/approval/rejection/ cancellation/withdrawal of appliance/equipment under the programme.
- vi. Manage activities related to monitoring, verification and enforcement
- vii. Maintain an online database of the registered/labeled appliance/equipment as an open source of information to the public;

## 2.2 Technical Committee

Technical committee is an advisory committee constituted for advising the Bureau in development of energy performance standards for appliance/equipment. The technical committee of an appliance/equipment comprises of experts drawn from industry, industry associations, consumer organizations, academia, NGOs,



R&D institutions, testing laboratories, government organizations and regulatory bodies etc. The Chairperson may permit additional members/experts as and when needed.

Each technical committee will have a Chairperson appointed by DG, BEE and shall have a Convener, who shall be from the Bureau.

In order to ensure that the decision taken by the technical committees are unbiased, transparent and not driven towards any specific interest group, the composition of the committees comprises of various stakeholders. Technical committees shall be reviewed periodically and reconstituted, if needed.

All expenses for attending the technical committee meeting shall be borne by the organizations themselves. However, additionally any other officials may be invited as a special invitee to any of the technical committee meetings as and when required.

The technical committee shall be convened as and when required by the Bureau.

### 2.2.1 Roles and Responsibilities

The major roles and responsibilities of the technical committee is to review and recommend the followings:

- a) Star rating bands / minimum energy performance standards of the respective appliance/equipment appliance developed by BEE.
- b) Schedules/ notifications of the appliance/equipment;

### 2.2.2 Agenda of the Meeting

Agenda of the meeting shall be prepared in consultation with the Chairperson. Meeting notice and agenda shall be issued at least 7 days in advance.

The approved minutes of the technical committee meeting shall be circulated to committee members within 15 days from the date of the meeting.

### 2.3 State Designated Agencies (SDA)

Under the purview of Section 17 of Energy Conservation Act, 2001 SDAs are set up at the state level including Union Territories for the purpose of ensuring compliance with energy consumption standards specified under clause (a) of section 14 or ensuring



display of particulars on label on appliance/equipment specified under clause (b) of section 14 or for the purpose of performing such other functions as may be assigned to them. The nodal agencies shall coordinate and implement various state Programs or those initiated by the Bureau under the S&L Program, functions of SDAs are as follows:

**a) Monitoring and Market Surveillance**

- i. Conduct market surveillance either suo motu and/or based on complaints received within the state;
- ii. Maintain list of non-complying appliance/equipment/permittee and submit quarterly report on the outcome of market surveillance to the Bureau;
- iii. Ensure that non-compliant appliance/equipment are not sold in the market, as per the instructions of the Bureau.

**b) Enforcement**

- i. On intimation by the Bureau, in case of non-compliance by permittee, SDA shall monitor and report to the Bureau on corrective actions taken by the permittee within stipulated time. In addition, SDA shall:
  - Ensure that such appliance/equipment is not sold within the state.
  - Assist the Bureau so that such notifications reach the intended consumers within the state.
  - Recommend to all state government departments including state undertakings to disqualify such appliances/equipment for public procurement.
- ii. In order to have smooth and successful functioning of the enforcement activities in the state, SDAs may constitute a state level implementation committee under the Chairmanship of the State Power Secretary or the head of any appropriate authority decided by the state government. The secretariat responsibility of the committee shall lie with the respective SDAs.

**c) Misuse of Star Label, Search and Seizure**

The SDA shall be responsible for enforcement and related actions to be taken for use of star label without a valid registration



or misuse of the label and non-compliance. In such cases, search and seizure of the respective model of the appliance/equipment shall be the responsibility of SDA. The SDAs shall refer the matter to BEE, before any action is taken on filing of any complaint in the court.

## 2.4 Independent Agencies for Monitoring and Evaluation

For effective and efficient implementation of S&L program, the Bureau may use the services of independent agencies called Independent Agencies for Monitoring and Evaluation (IAME). The IAME can be one or more agencies empaneled by the Bureau.

### Roles and responsibilities of IAMEs

The Bureau may delegate the following activities of the S&L Program to the IAMEs:

- a) **Application Scrutiny:** Processing of applications shall include scrutiny of applications and related documents, providing recommendations to Bureau for granting permission to affix the label or suspension and cancellation of appliance/equipment registration. For details, please refer to section 2 of this manual.
- b) **Appliance/equipment Check testing:** The purpose of check testing is to assess the compliance of appliance/equipment performance against the relevant BEE appliance/equipment schedule/regulation on the basis of which the label was awarded. For details, please refer to section 8.2 of this manual.
- c) **Challenge testing:** Challenge testing is carried out as and when any written complaint is received regarding discrepancies on the star rating label of the appliance/equipment.
- d) **Miscellaneous:** In addition, IAME may also be made responsible for providing feedback from the permittee on challenges, constraints, complaints or comments on BEE appliance/equipment schedule and standards, if any. The IAME shall maintain all files, records and documents and shall recommend to the Bureau about the processing request for withdrawal, suspension and cancellation of labels. IAME shall have regular interaction with the Bureau through meetings, discussions and correspondences to update about the assigned task and shall submit of monthly progress report to the Bureau.



- e) The Bureau may amend the roles and responsibilities of the IAME with mutual agreement as per the requirements of the program.

#### 2.4.1 Selection of Independent Agencies for Monitoring and Evaluation

To be appointed as an IAME, the organization must fulfil the following criteria:

- a) Should be registered in India and with valid certificate of incorporation.
- b) Should be a government accredited conformity assessment/appliance/equipment certification agency which can carry out the responsibilities as IAME and have experience as stated by Bureau.
- c) Should have adequate technically qualified staff with sufficient experience in the field of testing, certification and relevant national and international standards.
- d) Should not be involved in any major litigation that may have an impact of affecting or compromising the delivery of services as required under this contract.
- e) Should not be black-listed by any Central/State Government/ Public Sector Undertaking in India.

These guidelines are subject to change at any point of time at the sole discretion of the Bureau. The IAME shall be selected through a competitive bidding process or through Expression of Interest (Eoi). The agreement with the IAME shall be decided by Bureau which may be extended on mutual agreement at the sole discretion of the Bureau. The Bureau at any point of time can terminate the agreement in the case violation of any of the terms and conditions of the agreement.

#### 2.5 Test Laboratories

The primary responsibility of the test laboratories shall be to conduct check or challenge testing of the BEE labeled appliance/equipment. The test laboratories may also carry out the testing activities for any study or research for new appliance/equipment, new technology or for any other purpose as assigned by the Bureau.





For participation in the S&L program, BEE shall empanel test labs which are National Accreditation Board for Testing and Calibration Laboratories (NABL) accredited. BEE is undergoing to develop more testing facility in the country to promote large adoption of energy efficient appliance.

### **2.5.1 Roles, Responsibilities and functions of test laboratory**

- a) The lab shall maintain valid copies of relevant Indian Standards/ International standards, BEE regulations and schedules for reference. The lab shall establish a documented procedure for handling of samples received from IAME/ SDA. The procedure shall address the receipt of samples, test report numbering system and movement of samples from receipt to the end. The lab shall maintain proper record and make available any information regarding samples received from IAME/ SDA at any period of time.
- b) Laboratories shall physically verify the condition of the sample for any damage or any other deficiency. The laboratory officials shall also cross check the sample details physically against the appliance/equipment details mentioned in the test request. In case the sample received in damaged conditions or any discrepancies are found, the concerned laboratory may refuse to accept the sample with intimation to IAME/SDA immediately.
- c) On receipt of sample, the laboratories shall upload the requisite information of the sample on the BEE's S&L web portal before commencement of the test.
- d) The laboratories shall communicate the testing schedule to IAME/SDA in writing. The test laboratories are required to maintain the confidentiality of the test results and issue the same only to the BEE/SDA ideally within stipulated time frame as mentioned in the agreement signed with Laboratories and record the same on S&L web portal.
- e) In case of complaints or discrepancies in test results, the lab shall provide full details of actions taken in response to and allow access to all relevant records and documents for the purpose of any investigations and provide certified copies thereof.
- f) The Bureau/SDA may amend the roles, responsibilities & functions of the lab with mutual agreement as per the requirements of the local condition.



### 2.5.2 Empanelment of test labs with BEE

The empanelment shall be carried out through a competitive bidding process or by seeking Expression of Interest (Eoi). The eligibility criteria for empanelment of test laboratories have been specified below which can be amended as per the requirement of Bureau/ SDA:

- a) The Laboratory must be a registered in India and duly accredited by NABL.
- b) The NABL certificate must be valid for the entire duration of empanelment of the test laboratory. In case, the validity of NABL certification is less than the total duration of the empanelment, the test lab shall provide evidence of seeking renewal of NABL certificate and submit the renewed NABL certificate within specified time. However, no further samples will be sent for testing between the period of expiry and renewal of NABL certificate.
- c) In-house NABL accredited / BIS recognized laboratories of manufacturers are not eligible.
- d) The experience of labs in the testing shall not be less than 12 months from the date of submission of proposal.
- e) The test lab should have adequate space for the storage of testing samples up to the time of disposal, which is typically one year from the date of receipt of the sample.
- f) Bidder must be registered with Goods and Services Tax (GST). Labs must not be blacklisted by any Central / State Government institutions /departments/PSUs and there has been no litigation with any Government department on account of services.

The agreement with the lab shall be for a period as decided by Bureau which can be extended on mutual agreement at the sole discretion of the Bureau. No interim revision in the testing charges will be permitted during this period unless BEE's schedule and/or standard are revised or an amendment is issued to it. The laboratory shall pay application fee for empanelment, renewal and other services as advised by Bureau from time to time. The Bureau at its discretion may modify the scope of empanelment or ask for fresh application, if required.



The laboratory empaneled for the work will have to maintain the confidentiality of the test information. In no case, laboratory is allowed to use the data or share the information with a third party. BEE shall hold the copyrights over any of the data collected or compiled in the course of test.

Test report shall include information as per the details given in BEE's Gazette notification/ schedule including information with respect to amendment(s) considered while performing the test. Laboratory should comply with all the amendment guidelines of NABL. No sub-contracting is permitted for the purpose of check testing.

The Bureau/SDA may carry out audit, if necessary, of the empaneled laboratories and the concerned laboratory shall provide all reasonable facilities for carrying out the necessary audit.

During deferment of renewal or suspension of empanelment, the laboratory shall not accept any samples for the purpose of check testing unless specifically permitted to do so by the Bureau/ SDA.

## **2.6 Permittee**

Permittee is a person who has been granted the permission to affix the label by the Bureau.

### **2.6.1 Roles and Responsibilities**

On grant of permission to affix the label, permittee shall comply with the following terms and conditions:

- a) Submit details of the registered model wise data of appliance/ equipments manufactured/imported on a quarterly basis, duly certified by third party chartered accountant to the Bureau;
- b) Provide State/UT wise information about the distribution of the appliance/equipment
- c) the star level displayed on the appliance/equipment shall conform to energy consumption notified under clause (a) section 14 of the Act;
- d) the label shall be affixed only on such model for which permission has been granted;
- e) the label shall be printed and affixed on the appliance/equipment at the cost of the permittee;



- f) the permittee, seller or trader shall ensure that the star level displayed on the label of approved model shall be maintained at all time;
- g) the permittee shall pay the label fee as specified in regulation;
- h) the permittee shall furnish to the Bureau a statement containing details of production of labelled equipment and the accrued labelling fee due for each quarter within the following month of the close of each quarter of the financial year;
- i) the permittee shall furnish to the Bureau an updated list of authorised distributors, dealers, retailers and sellers appointed to sell their labelled products by 30th day of April of each year;

### 3. Appliance/equipment Selection

The selection of appliance/equipment is based on the market research and the estimated energy saving potential within regulatory framework.

**Table 1: Approach to appliance/equipment selection**

Features of appliance/equipment selection	Analysis
<b>Market Transformation Assessment</b>	Market growth potential, energy saving potential and GHG abatement potential
<b>Techno-economic analysis</b>	Appliance/equipment analysis in line with cost economics (Payback period, life cycle cost)
<b>Test Procedures and standards</b>	Based on relevant IS/ISO/IEC standards
<b>National and international presence</b>	Priorities of Government of India and understanding of international best practices

#### 3.1 Appliance/equipment Selection Criteria

Some of the aspects for selecting an appliance/equipment for S&L program, but not limited to, are:

##### 3.1.1 Impact on Total Energy Demand

The technical analysis involves evaluating contribution of the energy consumed by the appliance/equipment in total energy demand.



### 3.1.2 Impact on Market

The appliance/equipment under consideration should have high market penetration potential. This analysis should be conducted by evaluating sales forecast and appliance use profile. Analysis of small and medium scale enterprises and interest of small players should be considered for market analysis.

### 3.1.3 Potential for energy efficiency improvement

It is important to evaluate the potential of improvement of energy efficiency standards of the appliance in order to assess the total energy savings. The appliance/equipment use profile such as number of hours used in a day, technology status, appliance/equipment design and alternative appliance/equipment available are essential parameters for evaluating potential energy efficiency improvement.

### 3.1.4 Stakeholder Impact

It is important to evaluate the impact of the labelling program on the stakeholders such as manufacturers, manufacturers' associations, importers and consumer organisations etc. to increase market acceptability and ease of implementation of the program. Feedback from the stakeholders on aspects, such as sales, technology, manufacturing, supply chain, standards, testing etc., that can affect their businesses shall be considered.

### 3.1.5 Coverage by test procedures

For the appliance/equipment under consideration, testing facilities should be available in the country as per national or international standard.

### 3.1.6 International Harmonization

The energy performance standards of the appliance/equipment should be aligned to the extent possible with the international standards provided it does not affect the consumer and most importantly the national interest.

## 3.2 Baseline analysis

Once the appliance/equipment is selected through the selection criteria, baseline analysis shall be performed, the process for which is following:



### 3.2.1 Baseline model for the appliance/equipment

Baseline study is to assess and study about the present scenario on the energy performance data of the available appliance/equipment.

### 3.2.2 Cost of energy-efficiency improvements

Based on market research, the energy efficiency improvements, additional manufacturing costs and likely impact on consumer prices associated with each of the options may be estimated.

### 3.2.3 Potential savings from energy-efficiency improvements

Energy savings from the energy-efficient appliances for the respective appliance/equipment category shall be calculated.

### 3.2.4 Cost effectiveness

Life-cycle costs and payback periods for different levels of minimum energy-efficiency standards or from a labelling program shall be calculated.

## 3.3 Launch of program in voluntary phase

BEE launches a labelling program for new appliance/equipment on a voluntary basis. This helps permittee to understand the program requirements as well as prepare for adapting to the mandatory scenario in future. The voluntary phase can provide a good learning experience for both the implementing agency and industry, allowing each to adjust and understand its role and responsibilities. These lead times enable the market to optimize any cost implications from increased efficiency requirements by integrating design, operational and manufacturing changes into normal industrial cycles.

The proposal for the voluntary labelling program for inclusion of new appliance/equipment sent by BEE to the Ministry of Power (MoP) for its concurrence includes a covering note with following details:

- a) Description of the appliance/equipment which is to be covered by the voluntary labelling program ;
- b) Details of the current spread of energy efficiency in the various models of the appliance/equipment in the market, method followed to determine the star rating bands and the overall coverage of the current models in the market in the proposed star categories;
- c) Saving estimates based on forecasts of sales and baseline energy consumption and



- d) Consultation process followed for the finalization of the schedule comprising of the star rating plan, including minutes of the meetings with various stakeholders.

### 3.4 Transition from voluntary to mandatory phase

The Bureau shall, after 2-3 years of the launch of the voluntary program, conduct market studies to evaluate the market transformation, technology improvement and related institutional requirements for transition from voluntary to mandatory phase.

For transition from voluntary to mandatory phase, BEE shall send proposal to MoP along with the following documents for their approval:

- a) Covering note
- b) Draft statutory order under section 14 (b) of EC Act to specify equipment or appliance or the class of equipment or appliance, as maybe the case.
- c) Draft statutory order under section 14 (a) of EC Act specifying the norms for processes and energy consumption standards for the respective equipment or appliance.
- d) Draft regulation under section 14 (d) of EC Act for direct display of such particulars on label on the respective equipment or appliance specified under clause (b) of section 14 in the manner specified by the regulations.
- e) Consultation process undertaken for the decision for transition, including minutes of the meetings held with various stakeholders.

Statutory orders under section 14 (a) and (b) of the Energy Conservation Act shall be notified by MoP in the official gazette. Draft regulation under section 14 (d) shall be published in the official gazette for seeking public comments. The draft regulation shall be modified, if necessary, in light of the comments received before the regulation is notified in the official gazette by MoP.

### 3.5 Appliance/equipment Schedule

A schedule outlines the energy consumption standards of appliances/equipment manufactured or sold in the market. The Bureau develops the appliance/equipment schedule in consultation with technical committee by harmonizing with Indian or International standards wherever possible. The appliance/equipment schedule includes the following:



- a) Information related to the energy consumption standards of appliance/equipment,
- b) Information on standardized test procedures developed by Bureau of Indian Standards (BIS), the national standards making body or any other standards as applicable,

The appliance/equipment schedule shall be reviewed as and when required to keep up with the emerging new technologies and market trends. Revision of schedule will help the program achieve its optimum potential of energy savings.

The implementation of appliance/equipment schedule may be put in abeyance under such circumstances as may be determined by the Bureau.

### 3.5.1 Structure of the schedule

The schedule consists of the following sections:

#### a) Scope

The 'scope' defines the appliance/equipment for its type, size, rating, capacity, voltage, frequency and range of appliance/equipment, whichever is applicable, in the respective appliance/equipment schedule.

#### b) Normative Reference

Normative reference covers the list of the standards along with their titles referred in the respective appliance/equipment schedule.

#### c) Terms and Definitions

This includes definition and brief description about the appliance/equipment, and its sub-types, external components, operational modes, labelling program related definitions and any other as may be applicable.

#### d) Classification (if applicable)

The details about various classes or sub-classes of the appliance/equipment are mentioned here.

#### e) Eligibility Criteria

This provides minimum eligibility criteria essential for the appliance/equipment to be included under labelling Program.





**f) Testing Guidelines**

The key features to be covered under this section of the schedule are:

- i. **Test Procedure:** A description of the method of testing the appliance/equipment as per the relevant test standard referred in the schedule.
- ii. **Test Parameter:** A list of parameters to be tested so as to assess the energy performance characteristics of the appliance/equipment, if any. The parameters are mostly obtained from the reference standard taken as reference.
- iii. **Tolerance:** Defines the permissible limit of variation in the test results which does not affect the functioning of appliance/equipment and the star band value. The tolerance limits for performance parameters are based on the national standards or as specified in the respective appliance/equipment schedule. No tolerance will be allowed for the star rating band.
- iv. **General Test Conditions:** A set of conditions like temperature, humidity, accuracy class of measuring instruments, altitude, barometric pressure wherever applicable as referred to in the appropriate test standards.

**g) Sampling**

This specifies sampling procedure for checking testing developed by the Bureau.

**h) Star Rating Plan**

This provides the star rating requirements applicable for the appliance/equipment and the detailed calculations used, if required.

**i) Label specifications**

This covers following information:

- i. Dimensions of label
- ii. Color Program of label
- iii. Design of label
- iv. Material of label/durability of label
- v. Manner of affixing label to the appliance/equipment



- vi. Brief description for contents of label
- vii. Image/picture of sample label
- viii. Position of label (Placement)

**j) Fee**

This includes the following information:

- i. Information about security deposit for company registration
- ii. Application processing fee
- iii. Appliance/equipment labelling fee (label fee, linkage with production data, validity)
- iv. Timeline for payment of labelling fee
- v. Fee for renewal of label registration

**k) Check Testing**

Check testing procedure would be covered under respective schedule/gazette notification of an appliance/equipment.

**l) Form for reporting the result of the test**

The format for reporting the test results would be covered under respective schedule/gazette notification of an appliance/equipment.



## SECTION - II

### Implementation of S&L Program

This section describes operational procedures for participation in the S&L program by manufacturers, traders and importers, process for company and model registration, processing of application by BEE along with the timelines and fee structure etc.

#### 4. General Introduction for participation in the labelling program

Manufacturers/importers/traders of equipment can participate in the Program by registering with the Bureau. On announcement of a labelling schedule/regulation for respective appliance/equipment, BEE shall upload following information on S&L web portal:

- Schedule/regulation of BEE for respective appliance/equipment;
- Procedure for obtaining a Label;
- List of documents required to be submitted along with the application and
- Financial obligations involved.

The applicant shall apply online through S&L web portal ([www.beestarlabel.com](http://www.beestarlabel.com)) with supporting documents to BEE. The applicants shall strictly follow the following guidelines:

- Each and every document submitted to the Bureau (uploaded online) shall be duly signed and stamped by the authorized signatory in original.
- All the documents must be submitted in the given sequence (as mentioned in section 4.1.1 and 4.1.2 of the manual) and shall be uploaded properly.
- Deviation from the process would be treated as non-compliance.
- The applicant shall submit any other document as required by the Bureau.

#### 4.1 Process for Registration

##### 4.1.1 Brand Registration

- An applicant needs separate company registration for every brand of the appliance/equipment (as per Annex-1 of this



manual). i.e. for eg. if a company has four brands of refrigerator then it shall be registered separately for each brand.

The application for brand registration should be submitted along with following documents:

- i) Document authenticating the name and address of the premises where the appliance/equipment are manufactured which includes:
  - The certificate/documentary evidence from Registrar of Firm/Directorate of Industries/Industries Centre/Gram Panchayat/Municipal Corporation/Local Body/Pollution Control Board, or;
  - Certificate of incorporation wherever applicable;
  - 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), or;
  - Firm's registration with Sales Tax Authority, Central Excise Authority/Registrar of Societies.
- ii) Valid SSI (Small Scale Industries) certificate in case of small scale industries;
- iii) Valid Quality Management System Certificate as per latest version of IS/ISO 9001 issued by an accredited certification body;
- iv) 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;
- v) Valid Trade Mark certificate in the name of the brand.
- vi) A declaration from the applicant stating that the information provided in the documents is correct and can be verified at any given time.
  - a) For voluntary labelling program, applicant shall enter into an agreement on a non-judicial stamp paper worth INR 100, with the Bureau of Energy Efficiency, agreeing to abide by the terms and conditions of the Program. The agreement will be valid for period of 3 years or until notification under



clause (d) of section 14 of EC Act, 2001 issued by Central Govt., whichever is earlier.

- b) The applicant shall deposit a security fee of INR 1,00,000 for each registration as security fee. However, applicants registered as small scale industries (SSI units), shall deposit INR 25,000, provided they submit the valid SSI registration certificate.
- c) The security fee shall be paid through electronic mode in favour of “Bureau of Energy Efficiency”, payable at New Delhi. The receipt of payment shall be provided to the applicant by Bureau.
- d) The Applicant shall subsequently submit the application online along with all the supporting documents specified in a) above to the Bureau .
- e) On approval of brand / company registration, each applicant shall be allotted a user ID. The applicant may file and track the status of its application for model registration through the S&L web portal of the Bureau.

#### 4.1.2 Model Registration

The applicant shall apply online for registering their models as per the prescribed format (Annex 3) along with the list of documents and a non-refundable registration fee of INR 2000 for each model (Note: the registration fee for mandatory products shall be as per the fee mentioned in gazette notification). Payment of application fee can be made online through BEE’s web portal. The sequences of documents to be uploaded on portal are mentioned below:

- a) The online application form duly signed and stamped with company seal must be submitted.
- b) Scanned copy of the original test report providing the energy efficiency performance value, from NABL/ILAC/APLAC accredited lab which may be in-house test facility or an independent lab. Manufacturers’ in house test report must be submitted on the letter head of the organization. The model should conform to the relevant standards referred in the schedule/regulation and test report should not be older than 3 years .The test reports should be duly signed by the signing authority declared at the time of registration.



- c) The values of the test results shall be submitted as per the prescribed format specified in respective notification /schedule of an appliance/equipment. The applicant must submit a declaration letter for family of models if any Specimen of the BEE label as specified in the relevant regulation/schedule for the respective appliance/equipment to be uploaded online.

#### 4.2 Scrutiny of Online Application for model registration

The Bureau or its Independent Agency for Monitoring and Evaluation (IAME) shall be responsible for scrutinizing the application along with all the requisite documents submitted by the applicant to check for completeness, validity, consistency and correctness. Discrepancies, if any shall be communicated through S&L web portal to the applicant and responses sought. Till a satisfactory response is received from the applicant, the application shall be put on hold. In case no action is taken by the applicant within a period of 60 days, the application shall stand cancelled. Information in this regard will be updated on the S&L web portal. In case of wrong information are provided while addressing the discrepancies, the Bureau or its designated agency shall scrutinize the documents as per the check list.

#### 4.3 Approval of Application for model registration

After ensuring that all the data submitted by the applicant is in compliance with the notification/schedule of the relevant appliance/equipment, the request for approval shall be forwarded to the Secretary, BEE, with \*Program Manager's recommendations. The responsibility for final approval rests with the Secretary, BEE.

The Bureau shall issue the letter of approval to the applicant authorizing the applicant to use and affix BEE star label on the appliance/equipment (refer to Annex-4 of this manual).

#### 4.4 Rejection/Holding of Application

Applications of the applicant may be rejected in case documents are not attached in the sequence as mentioned in section 4.1.1 for company registration and 4.1.2 for model registration;

An application for brand registration shall be put on hold, in case:

- a) The complete set of documents and fee are not submitted along with the application form;



- b) Information furnished in the application is either incomplete or incorrect/false;
- c) Complete set of documents are not signed and stamped by an authorized signatory
  - Expiry of validity period of documents;
  - Any litigation under process.
  - Any non-compliance to the requirement of S&L program.

An application for model registration shall be put on hold, in case:

- a) The complete set of documents and fee are not submitted along with the application form;
- b) Information furnished in the application is either incomplete or incorrect/false;
- c) Product does not comply with the minimum energy performance requirements mentioned in the relevant schedule/regulation/statutory order;
- d) Complete set of documents are not signed and stamped by an authorized signatory
- e) Expiry of validity period of documents;
  - Expiry of agreement between BEE and user of label/permittee for voluntary appliance/equipment.
  - Any litigation under process.
  - Any non-compliance to the requirement of S&L program.

If the application is put on hold, the applicant shall be informed through online web portal or through other modes of communication as deemed fit.

An application for brand / model registration shall be rejected, in case:

- a) The applicant fails to respond to the discrepancies within 60 days of issuance of notice/alert.
- b) Non-submission of any dues such as labelling fees or any other fees as prescribed by the Bureau within 60 days from the issuance of notice/ alert.
- c) Forged and tampered documents submitted along with application.



- d) If the applicant is found to have indulged in corrupt practices or applied external pressure, their application shall be outright rejected and Bureau may take suitable legal action.

If the application is rejected, the applicant shall be informed through online web portal or through other modes of communication as deemed fit.

The applications can also be rejected under following circumstances:

#### **Misleading advertisement**

In case an applicant is found issuing misleading advertisement with reference to the BEE star label.

The Bureau may hold/ reject/ cancel any or all model registrations. Before issuing an order to hold/ reject/ cancel any or all model/ brand registrations, the Bureau shall give an opportunity of hearing to the applicant concerned. The decision of Director General, Bureau of Energy Efficiency, shall be binding in such cases.

#### **4.5 Renewal of registration/agreement**

It is essential for the permittee to ensure that registration is renewed, on the expiry of validity period (as specified in appliance/equipment schedule/ notification) or any change in star rating table of the respective appliance/equipment. In case of company registration for voluntary appliance/equipment, the agreement between permittee and BEE shall be renewed on the expiry of the validity period of agreement.

##### **4.5.1 Renewal of model registration**

Model Registration shall be valid for a period as specified in the respective appliance/equipment schedule/ notification

- I. For renewal of model registration, the following procedure shall be followed:
  - a) An alert shall be issued by the Bureau to the manufacturer through S&L web portal, giving suitable time before the expiry of the schedule/statutory order/regulation.
  - b) The permittee must ensure that the production data along with labelling fees is up to date before submitting an application for renewal before the expiry of registration. The application shall be accompanied by a fee as decided





by Bureau for each model through online mode of payment. The Bureau shall renew permission within a period of one month from the date of such receipt.

- II. In case of revision of energy performance standard, the permittee who seeks to continue with the existing model without any design changes (i.e., reallocation of star rating /continuation of models), the following procedure shall be followed:
  - a) A reallocation of star rating option (i.e., from existing table to new table) will be available on S&L portal, before the expiry of the schedule/statutory order/regulation. The permittee is required to submit a declaration along with the new sample label to the Bureau as per the prescribed format.
  - b) After verification, the revised star level will directly appear in Search & Compare page of BEE star label website and approval letter shall be issued on the portal.

Note: In case if permittee wants to continue with the same model by making some modifications to achieve revised energy performance standards, manufacturer has to apply as a fresh application following the existing procedure.

#### **4.5.2 Renewal of agreement between BEE and permittee (for voluntary appliance/equipment)**

Agreement shall be renewed by the manufacturer/ permittee before the expiry of the validity of the schedule Agreement between BEE and permittee shall be renewed as per the following procedure:

- a) An online renewal notice shall be issued by the Bureau or its designated agency to the manufacturer through S&L web portal, before the expiry of the validity of the schedule .
- b) The permittee must ensure that the production data along with labelling fees for all registered models is up to date before submitting an application for renewal which should not be later than one months before the release of the alert.
- c) The application for renewal shall be approved by BEE within one month if the application complies to sub clause 'b' as mentioned above.
- d) In case the agreement is not renewed on time the portal shall remain blocked till the renewal of agreement.



#### 4.6 Withdrawal of Registration by the Permittee

A permittee may wish to discontinue the registration due to any of the following reasons:

- a) Inability to meet the requirements of any revision in the rating plan;
- b) Change in appliance/equipment design of registered appliance;
- c) Discontinue with the business;
- d) Any unforeseen circumstances, namely strike, lock out, etc.

The request for withdrawal of registration to affix the label shall follow the following process:

- a) Permittee shall inform the Bureau of its intention to withdraw through written communication;
- b) Permittee shall identify the models to be withdrawn through S&L web portal;
- c) Bureau shall review the financial dues of the applicant regarding any outstanding amount;
- d) After reviewing the request, the Bureau shall take necessary action to approve/reject the request for withdrawal of application and communicate to the permittee through S&L web portal.

However, the permittee shall not be allowed to withdraw registration in case the request is made:

- a) During the validity period except with the prior approval of the Bureau.
- b) Not submitted the financial dues for the period for which the model was registered.

The permittee shall be refunded security fee on withdrawal of company registration subject to the approval of the competent authority or withdrawal of schedule/notification of respective appliance/equipment by the Bureau.

#### 4.7 Cancellation of Permission to Affix Label

The permission to affix a label on the registered appliance/equipment shall be cancelled by the Bureau in any of the following situations:

- a) Expiry of validity period of permission to affix the label;
- b) Non-compliance in manner of display of the label as specified in the respective schedule/regulation;



- c) Non compliance to the directions of Bureau with regard to the failure of sample in second check testing and non receipt of action taken report from the permittee;
- d) Inadequate measures taken towards correcting the discrepancies or time taken is more than the prescribed period;
- e) Any contravention of the provisions of the EC Act considered serious in nature, for example non-settlement of financial dues or penalties, non-settlement of complaints, affixing the labels on the types/varieties of appliance/equipment not included in the scope of the registration etc.;
- f) Non-compliance to the requirements in case the schedule/regulation/statutory order is amended/revised;
- g) Any other case of non-compliance with regulation/schedule of respective appliance/equipment.

**4.7.1 However, in the event of cancellation of registration by the Bureau, the security fee shall be forfeited.**

Submission of fresh application on cancellation of registration:

Fresh application may be considered for cancelled or non-renewed registration once corrective measures have been taken by the permittee. Such application shall be processed following the same procedure as for a new application (section 4.2). The applicant must also provide an undertaking with the evidence of measures taken towards correcting the discrepancies.

## **5. Timelines for Application Processing**

Bureau shall follow specific timelines for the application processing cycle. The company and the model registration process shall be completed within 30 days of the receipt of the application by the Bureau or its designated agency provided the information furnished in the application is complete and supported by all the necessary documents along with the applicable fees. Any discrepancy in the application shall be communicated by BEE or its designated agency to the applicant within 7 days of the receipt of the application. A stepwise description of application processing along with the timeline associated with each step is presented in the tables below.



**Table 2: Indicative Timelines for processing of application for brand registration**

S. No.	Activity	Timeline (Working days)	Responsibility
1.	Submission of online company registration form and payment of the applicable fees through an auto generated ID on S&L portal	-	Applicant
2.	In case of successful payment a password will be generated automatically	System generated	BEE
3.	Approval of the company registration and communication to the applicant in case the application is complete in all respect through system generated email	15 days from the date of receipt of application	BEE
4.	Communication to the applicant in case of incompleteness or any discrepancies	15 days from the date of receipt of application	BEE
5.	If application is put on hold due to any discrepancies, , submission of revised documents by the applicant to the Bureau	60 days from issuance of notice to put on hold, failing which the application will be automatically cancelled and communication will be sent to the applicant through the portal. Payment will be returned to the applicant without any interest.	Applicant



S. No.	Activity	Timeline (Working days)	Responsibility
6.	Scrutiny of revised documents and approval of the company registration and communication to the applicant in case the application is complete in all respect through system generated email	15 days from the receipt of revised documents	BEE

**Table 3: Indicative Timelines for processing of application for model registration**

S. No.	Activity	Timeline (Working days)	Responsibility
1.	Submission of online application for model registration with applicable fee	-	Applicant
2.	Scrutiny of application by the designated agency and forwarding to BEE in case no discrepancies are found	15 days from the receipt of application	BEE/ Designated agency
3.	Approval of model registration	15 days from the receipt of application from the designated agency	BEE
4.	Communication to the applicant in case of incompleteness or any discrepancies	15 days from the receipt of application	BEE/ Designated agency
5.	Submission of revised documents to by the applicant	60 days from the date of communication	Applicant



S. No.	Activity	Timeline (Working days)	Responsibility
6.	Scrutiny of revised documents and recommendation for approval/rejection to the Bureau	15 days from the receipt of revised documents	BEE/ Designated agency
7.	Approval/rejection of the model registration	15 days from the date of receipt of the recommendation	BEE

## 6. Fee structure

In order to participate in the labelling program, participants will be required to deposit fee at various stages. The detailed fee structure of the Program is described below:

### 6.1 Security Deposit

An applicant will be required to deposit a refundable security fee of INR 1,00,000 at the time of company registration. However, the security fee amount shall be charged at a concessional rate of INR 25,000 from the Small Scale Industries (SSI) subject to submission of valid small scale industries certificate.

### 6.2 Application Fee

An applicant will be required to deposit a non-refundable fee of INR 2,000\* per model or as decided by the Bureau.

\*Note: the application fee for mandatory appliance/equipment shall be as per the fee mentioned in gazette notification.

### 6.3 Labelling Fee

As specified in clause 2 (n) of section 13 of the EC Act, a labelling fee shall be levied on all mandatory and voluntary appliance/equipment. The basis and the guidelines for fixation, as also for review and revision of labelling fee, shall be worked out by the Bureau from time to time. Labelling fee shall be published in the respective appliance/equipment regulation/schedule/statutory order. A schedule of latest labelling fee approved for the various schedule/regulations/statutory order shall be made available on S&L web portal.



Labelling fee for a new appliance/equipment shall be proposed by the Bureau in consultation with the respective technical committees. The following components shall be taken into consideration for the fixation of labelling fee:

- a) Procurement cost of Appliance/equipment for check testing
- b) Cost of Check Testing of appliances in NABL Labs
- c) Administrative Cost
- d) Publicity and Outreach
- e) Lab capacity building
- f) Cost of appliance and production quantity

The Bureau shall review the labelling fee fixed for various appliance/equipment periodically or whenever a schedule or the regulation is revised. The Bureau shall communicate the revised labelling fee and its date of implementation to all the permittees.

The labelling fee shall be paid by the permittee at the end of each quarter. The amount of labelling fee deposited by the permittee shall be based on its submission of the production data certified by the chartered accountant of the company at the end of each quarter on the S&L web portal duly signed and stamped by the authorized signatory of the company. The data received from the permittee shall be treated strictly confidential.

The labelling fee currently levied for the appliance/equipment covered under mandatory and voluntary Program is as follows:



**Table 4: Existing Labelling Fee for the Appliance/ equipment under S&L Program**

S. No.	Name of the appliance/equipment	Existing Labelling Fee (INR)
1.	Frost Free Refrigerator	10
2.	Tubular Fluorescent Lamps	0.05
3.	Room Air Conditioner	30
4.	Distribution Transformer	100
5.	Floor Standing and Cassette type AC	30
6.	Direct Cool Refrigerator	5
7.	Induction Motor	5
8.	Agriculture Pump Set	20 for S/P
9.	Ceiling Fan	1
10.	LPG Stove	1
11.	Electric Geyser	2
12.	Colour Television	10
13.	Washing Machine	30
14.	Computer (notebook/laptop)	10
15.	Office Equipment	0.03% of MRP
16.	Ballast	0.10
17.	Diesel Engine driven monoset pumps	5
18.	Solid State Inverters	2
19.	Diesel Generator	10
20.	Variable Capacity Air Conditioners (Inverter AC)	30
21.	LED lamps	0.05
22.	UHD TV	30
23.	Air Compressors	10
24.	Chillers	3/kw
25.	Microwave Ovens	20
26.	Deep Freezers	5
27.	Light Commercial Air Conditioners	30
28.	Solar Water Heater	0.02 per LPD





Note :- The Labelling fee of appliance/equipment stated above are valid as on the date of publication of this manual.

## **7. Manner of display and Method of affixing the Label**

In conformity to the design, dimensions and the energy performance requirements specified in the respective BEE schedule/regulation/statutory order, the BEE star label provides details such as the unique identification number of the manufacturer, star rating, energy performance values and the important details of the appliance/equipment including the BEE logo.

The permittee is required to submit the label specimen to Bureau for approval at the time of model registration as per specifications available on S&L web portal.

### **7.1 Manner of Display of Label**

The terms & conditions (T&C) for manner of display are notified in the regulation for the mandatory appliance/equipment and in the schedule for voluntary appliance/equipment. The T&C include guidelines for parameters with respect to the label, i.e., design, colour, dimension, content, sample picture, placement, material and shape, suitable visibility and manner of affixation of the label etc.

### **7.2 Method of affixing the label**

The label should be affixed in such a manner that it is not possible to easily remove the label from the appliance/equipment. The following are some of the approved methods of applying label as prescribed in the schedule/regulation of the appliance/equipment:

- a) Printed self-adhesive label, adhesive tapes, transfix labels, etc.;
- b) Printing on an anodized name-plate and
- c) Printing on appliance/equipment, like tubular fluorescent lamps and LED Lamps.



## SECTION - III

### MONITORING, VERIFICATION AND ENFORCEMENT

Under the current S&L program, it is the responsibility of the Bureau to ensure that a strong monitoring, verification and enforcement (MV&E) mechanism is in place to protect the interest of the consumer and the society. This section describes monitoring and verification activities to be undertaken by the Bureau including market surveillance, check and challenge testing activities and fix responsibilities for non-compliance.

#### 8. Monitoring and Verification

The MV&E framework sets out the principles adopted by the BEE to optimize compliance with the EC Act (2001 and subsequent amendments) and other relevant legislation and regulations relating to the energy labelling of appliances and equipment. It is targeted towards appliance and equipment manufacturers, importers, traders, and retailers who have obligations under relevant legislation and regulations.

**Legal Framework:** The EC Act, 2001 and subsequent amendments establishes the authority of the Indian Government to implement a program for the energy labelling of appliances and equipment for the purpose of enabling consumers to make informed choices about the energy and cost saving potential of appliance/equipment in the marketplace. Regulations for individual categories of appliances describe the legal responsibilities of government agencies, appliance manufacturers, importers, retailers and test laboratories. These documents establish the powers of the Indian Government to monitor and enforce the energy labelling Program.

BEE works with a range of national and local government authorities for monitoring compliance and enforcing appliance energy efficiency labelling legislation. Nonetheless, responsibility for complying with the relevant requirements under legislation, including ensuring the accuracy of all information provided to the Bureau, rests with the individual person or organization affected by the legislation.

Monitoring comprises of collection and analysis of data to give an accurate picture of program progress and compliance, and is usually an on-going process. It provides the opportunity to identify and act on any implementation issues, as well as providing data for program evaluation.



Monitoring for compliance shall help BEE to:

- Determine levels of compliance and identify trends in behavior;
- Detect possible violations or breaches;
- Identify whether, and what type of, education campaigns or enforcement action may be required and
- Assess the effectiveness of the appliance energy efficiency legislation, and identify opportunities for improvement.

BEE shall undertake a range of activities for Compliance monitoring including:

- Assessment of information provided in applications for appliance registration;
- Analysis of information gathered from retail, wholesale, and internet outlets, sales literature, and advertisements;
- Analysis of information reported from other sources, such as the general public, industry groups, non-government organisations, other government agencies, and international organisations.

BEE shall also work closely with Indian Government agencies with specific expertise in compliance, law enforcement, or other relevant areas.

Verification is the process specified by the standards and labelling program, to determine through testing whether the declared energy performance of equipment available in the market is accurate.

The MV&E framework consists of the following key elements:

- a) Market Surveillance
- b) Check testing
- c) Challenge testing
- d) Enforcement

### **8.1 Market Surveillance**

The primary aim of market surveillance is to ensure a high degree of compliance with policy intent of S&L Program once the labeled appliance/equipment reach the market place. The Bureau/ SDA shall engage IAME or any other agency to conduct the market surveillance. The market surveillance periodicity may be enhanced based on consumer complaints or feedback.



Market surveillance helps to ensure that:

- All appliance/equipment in the market covered by mandatory labelling display the BEE star label;
- All appliance/equipment in the market with a BEE star label are registered with BEE;
- Fake labels are not displayed on appliance/equipment;
- BEE star labels are displayed correctly on appliances as specified in the relevant appliance/equipment schedule or regulation.

The surveillance shall focus on all the appliance/equipment covered under S&L including mandatory and voluntary labelling requirement. Priority criteria for sampling may include, but not limited to:

- a) Appliance/equipment with history of non-compliance including customer complaints.
- b) Appliance/equipment with high market penetration.
- c) Appliance/equipment belonging to very high or very low energy efficiency classes.
- d) Purchasing price either very low or very high.
- e) Manufacturing place- imported versus nationally manufactured.

The surveillance shall be a comprehensive Pan India market research of retailer/dealer/e-market place including their catalogues and websites that sell appliances to assess whether they are providing the labelling details of the appliances.

The surveillance shall include stores such as but not limited to:

- a) Large-medium sized chain stores
- b) Specialist suppliers of electrical goods
- c) Smaller independent retailers
- d) Dealers
- e) E-market place
- f) The selected shops/retailer/dealer/ shall be visited without prior intimation. The proper label display for the appliance/equipment shall be recorded following the check list.

## 8.2 Check Testing

The Bureau or SDA , shall suo motu carry out check testing of appliance/equipment as per the schedule or regulation to ensure that appliance/equipment models meet the performance claim.



The check testing of labeled appliance/equipment shall be conducted in a third party NABL accredited laboratories. In case the sample drawn for the first check testing fails, the Bureau or SDA shall conduct a second check testing. The check testing process shall include the following steps:

- a) Selection of Appliance/equipment and Sampling Plan: Bureau or SDA shall use a sampling based approach for the selection of appliance/equipment for check testing.

BEE / SDA shall formulate a comprehensive sampling plan and assign it to a designated agency. The BEE/SDA shall consider the following guidelines while developing sampling plan:

The Sampling plan would be based on a software which will pick up the samples randomly factoring various parameters. This method would be applied to all the appliance/equipment covered under S&L program. Sample shall be purchased from the market from the manufacturer's authorized dealer/retailer/e-market platform, rather than obtained directly from the permittee. In case it is not possible to draw samples from the authorized dealers/retailers/e-market platform, it may be drawn from any point in the supply chain. The parent model of any appliance/equipment would be considered to be picked as a sample for check testing. This would represent all the child models of the same appliance/equipment. However, in case the parent model is not available, the child model would be picked up as a sample for check testing.

In case of model unavailability, the designated agency shall check for availability of alternate model meeting the technical specifications of the original model. If the technical specifications of the alternate model match the original model of the sampling plan, the designated agency shall inform the same to Bureau and purchase the same. The Bureau and the designated agency shall amend the sampling plan and maintain a record of such models.

- b) Selection of test laboratory for check testing: BEE shall select the test laboratories for getting empanelled with Bureau for the purpose of check testing, based on its capacity for testing, work load and other criteria as decided by the Bureau. It is desirable to use the test facilities across the country except in cases



where the availability of test facility for a appliance/equipment is limited.

The designated agency shall send the samples to the laboratory assigned by BEE for check testing. The Bureau on its own discretion may visit any laboratory during the process of check testing to verify whether it is in compliance with testing procedure of the relevant standard and/or regulation/statutory order/schedule. In case of any non-compliance, the Bureau may direct the laboratory to discontinue the testing till suitable corrective actions are taken and verified by the Bureau.

- c) Scrutiny of test reports: The lab shall submit the test report to BEE / SDA within 7 days of completion of testing. After the receipt of the test report, BEE/ SDA shall scrutinize the test report to evaluate whether the test result conforms to the relevant schedule/standard/regulation and also the information given on the label.
- d) Second check testing:
  - i) In case the sample drawn for the first check testing fails, the Bureau or SDA shall conduct a second check testing for which it shall buy twice the quantity of samples for the same model.
  - ii) The permittee/user of the label would be accordingly informed about the failure of the first check testing and shall be advised to deposit the cost of the samples, cost of check testing and transport for the second check testing in advance.
  - iii) If permittee fails to deposit/pay the expenses, Bureau shall continue the verification by check/challenge testing and stop further processing of application received for new appliance/equipments of the respective permittee. Further, the Bureau shall cancel all labels granted to the permittee after six months from the date of issuance of intimation to permittee to witness challenge testing in accordance with relevant regulations.
  - iv) In case the samples are not available in the market and all efforts to trace the samples fail, the Bureau shall then write to the permittee to provide that sample, within 3-4 weeks of



the date of issuance of such letter. In case permittee is not able to provide sample for the second check testing, then check testing of the first sample shall be treated as final and shall be binding on the permittee.

- v) BEE or SDA shall inform the date of second check testing to the permittee to witness the second check testing. If the permittee is unable to witness the testing, the Bureau or SDA shall proceed with testing in the presence of BEE/ SDA personnel and the test result shall be binding on the permittee.
- vi) The second check testing will not be done in the lab where first check testing has been done. However, in case only one laboratory is empanelled with Bureau for the purpose of check testing for that particular appliance / equipment then the second check testing shall be done in the same laboratory where the first check testing was conducted.
- vii) On completion of second check testing, BEE/ SDA shall review the test reports.
- viii) In case any one or both samples collected for second check test fail, Bureau/ SDA shall proceed with the following actions:
  - direct the permittee, under intimation to all the State Designated Agencies, that the permittee within a period of two months from the date of issuance of such intimation, shall-
    - Withdraw all the stocks from the market to comply with the directions of the Bureau; and
    - Change the particulars displayed on advertising material.
    - Correct the star level displayed on the label of the appliance/equipment or remove the defects and deficiencies found during testing from the existing and new stock;
  - publish, for the benefit of the consumers, the name of the permittee, brand name, model name or model number, logo and other specification in any national or



regional daily newspaper and in any electronic or in any other manner as it deems fit within two months;

- ix) The permittee within ten days of the conclusion of the period of two months from the date of issuance of intimation as mentioned at vii) above shall send the action taken report on the prescribed format (please see Annex 5: Action Taken Report on failure of check testing from Permittee to BEE/ SDA) to the Bureau/ SDA with respect to action taken in compliance with the direction; and
- x) Where the permittee fails to comply with the directions issued by the Bureau/ SDA in viii), the Bureau/ SDA under intimation to all other State Designated Agencies, shall-
  - withdraw the permission granted to the permittee;
  - initiate further adjudication proceedings against the permittee and the trader under section 27 of the Act.
- e) Disposal of tested sample: The designated agency, under intimation to the Bureau/ SDA, shall dispose the tested samples as per Metal Scrap and Trading Corporation Ltd. (MSTCL) guidelines within six months from the issuance of the test report. However, in the event of sample failing first check testing, the sample shall be retained till the completion of second check testing and shall be disposed off within six months after the completion of second check testing.

### 8.2.1 Role of IAME Challenge Testing

Challenge testing is carried out as and when, any written complaint is received regarding the information on the star label and/or requirement given in the respective appliance/equipment schedule of the Bureau.

- a) In case a complaint is received in respect of wrong or fraudulent declaration, the Bureau shall carry out challenge testing of the model of the respective appliance/equipment in a NABL accredited laboratory empanelled with Bureau. A notice shall be issued to the permittee for conducting the testing.
- b) The complainant shall be asked to submit an undertaking in the form of an affidavit on a non-judicial stamp paper worth INR 100 before the commencement of the challenge test, that in case





his claim is proved wrong, he will deposit all expenses related to challenge testing including but not limited to procurement of samples, testing, transportation and other incidental expenses to the Bureau, within one month from the date of receipt of test report.

- c) In case complaint is proved correct, the complainant need not deposit any expenses to the Bureau. Such expenses shall be recovered from the permittee in accordance with relevant regulations.

If the model against which the complaint is received, has already undergone check testing by the Bureau within one year of the date of complaint, then the complainant shall be informed of the results of check testing or any actions, if taken, as warranted, else, the complaint shall be attended and necessary procedure shall be followed to undertake the challenge testing. The procedure for challenge testing shall follow the same steps as for check testing as detailed in section 8.2 of this manual.

### 8.2.2 Complaint Redressal

The complaint would be received through a complaint redressal system available on S&L portal. On receipt of every complaint, the Bureau shall take the following actions:

- a) Ascertain whether the complaint pertains to energy performance parameters or any other performance/quality parameter of the appliance/equipment.
- b) If the complaint pertains to performance or quality parameter, then complainant shall be advised to file their complaint in the consumer court.
- c) If a complaint pertains to a particular equipment/appliance, for brand/ model registration or any other issues, the reply/ information would be provided by BEE through the S&L portal within 7 days from the date of receipt of the complaint.
- d) If the complaint is related to energy performance parameter, the Bureau may request complainant to provide any additional information in support of the complaint.
- e) Once it is established that the complaint is related to energy performance parameter, it shall



- i) Assess if the same model has been check tested and share the results with the complainant.
- ii) If the same model has not been check tested, it should be included in the ongoing check testing activity, if the complainant agrees to the terms and conditions as specified in section 8.1.3 of this manual.

### 8.2.3 Non compliance

Based on the monitoring and verification activities specified above, the potential areas of non-compliances are listed below:

**Table 5: Checklist of non-compliance**

Potential Breaches	Importance/Relevant
Failure to register a mandatory appliance/ equipment that is within the scope of regulations	This requirement is intended to ensure that the appliance/equipment manufactured/ imported under mandatory regime of the Program shall not be sold, without the label affixed on the appliance/equipment.
Failure to meet the performance parameters on the label of a specific model claimed through registration process and measured through testing.	This requires that the attributes and performance of an individual model, as indicated by the label, matches those provided by the Permittee at the time of model registration.
Failure to ensure that models within the scope of energy efficiency labelling regulations display the correct label when offered for sale	<p>This places obligations on all, appliance/ equipment within the scope of labelling requirements are labeled correctly when offered for sale.</p> <p>In addition, the requirements for the declaration of energy efficiency performance when appliance/equipment are offered for sale through catalogues, and other marketing materials, and advertised online, should be clearly identified.</p>
Failure to pay the testing charges for second check test conducted by BEE.	This ensures that the permittee pays for the second test, when requested by the Bureau.



Potential Breaches	Importance/Relevant
Failure to undertake remedial actions when requested by BEE within the given time	This makes it an offence to ignore or delay a response, by a specified date, of the BEE's directions to take remedial action. This is needed in order to trigger further enforcement action.
Failure to suspend sales or withdraw appliance/ equipment from the market when requested by BEE	This makes it an offence to ignore or delay a response, by a specified date, of the BEE's directions that suspends or cancels registration
Failure to supply details of model production data, to BEE within a specified period.	This makes it an offence to ignore or delay a response to a BEE request for market information.
Failure to answer questions or produce documents in relation to request from BEE	This may be useful in the extreme circumstances where court proceedings are taken
Failure to supply sample of specified model to BEE	This might be required in cases where a specific model cannot be sourced in the retail environment.

Table below shows how these non-compliances apply to the permittee or to retailers/dealers/distributors, or in some cases to both.

**Table 6: Responsibility for non-compliance**

S. No.	Potential non-compliances	Permittee	Retailer/dealer/distributor
1.	Failure to register		
2.	Failure to maintain accurate registration details or notify BEE of changes		
3.	Rating of labels do not match registration details		



S. No.	Potential non-compliances	Permittee	Retailer/dealer/distributor
4.	Offer for sale of appliance/equipments within scope of regulations/schedule/statutory order without labels		
5.	Affix fake or incorrect design of labels		
6.	Incorrect placement of label		
7.	Failure to undertake or pay for tests when requested by BEE		
8.	Failure to undertake remedial actions when requested by BEE within the given time		
9.	Failure to suspend sales or withdraw appliance/equipments from the market when requested by BEE		
10.	Failure to provide information when requested by BEE within the given time		

## 8.2 Enforcement

The EC Act Clause 14 (c) provides the Central Government, the power to prohibit the supply or sale of appliance/equipment that do not conform to meet the relevant energy consumption standards. Clause 15 (d) also provides State Governments, the power to designate any agency to “co-ordinate, regulate and enforce provisions of this Act within the State”. Clause 26 (1) stipulates the penalty that can be imposed for failure to comply with section 14 (c). In addition, the Consumer Protection Act 1986 (revised in 1991, 1993 and 2002) provides an opportunity to seek redress from companies



that undertake “a trade practice which, for the purpose of promoting the sale, use or supply of any goods or for the provision of any service, adopts any unfair method or unfair or deceptive practice including any of the following practices, namely—

(1) The practice of making any statement, whether orally or in writing or by visible representation which—

- a) Falsely represents that the goods are of particular standard, quality, quantity, grade, composition, style or model;
- b) Falsely represents that the services are of a particular standard, quality or grade;”

Appliance/equipment suppliers or retailers that sell appliance/equipments that carry an energy label providing wrong or misleading information about the energy consumption could therefore be subject to claim under the Consumer Protection Act.

Guidelines for all the enforcement activities are covered in the Enforcement Manual.



For more details on S&L scheme, please refer [www.beestarlabel.com](http://www.beestarlabel.com)

**Bureau of Energy Efficiency**  
Ministry of Power, Government of India

Important Instructions Agreement Voluntary Products Mandatory Scheme Voluntary Scheme

**19<sup>th</sup> Foundation Day 2020**  
Enhancing Energy Efficiency Through Partnership  
2<sup>nd</sup> March 2020, New Delhi

On the occasion of BEE's 19<sup>th</sup> Foundation Day celebrated on 2nd March, 2020, Star labeling programs for Deep Freezers and Light Commercial Air Conditioners have been launched on Voluntary basis by Secretary (Power).

BEE Star Labelled Appliances on your Mobile

Available on the App Store GET IT ON Google play

**Energy Saving Tips**  
Install your air conditioner on the shady side of the building and make sure the air flow around it isn't obstructed.  
[READ MORE >](#)

**Downloads**

- Scheme for Energy Efficiency Labeling (guidelines for permittee)
- List of NABL Accredited Labs for Testing of Appliances (As on 29th June 2021)
- Draft Amendment Regulations of LED lamps

**News & Announcements**

- Important instructions to all manufacturers permittee registered under Standard and Labelling program for LPG Stove
- Extension in Timeline for payment of Labeling fees for FY 2020-21
- Submission of Production Data and Labeling



## Annex 1: Sample Brand Registration Form



**Bureau of  
Energy Efficiency**  
Ministry of Power, Government of India

### Company Registration Form

Only .pdf and .doc files allowed, please upload correct file or else you will not able to submit the application..

#### Company Details

Name of the Firm \*

(As per the Name mentioned in Company Registration Certificate)

Category \*

☐ Check here if Small Scale Industry

For Large scale industry Security deposit is Rs 100000 (One lakh only)

#### Business Address

Address Line 1 \*

Address Line 2

City/Town \*

Country \*

State \*

District \*

Pincode \*

#### Phone Details

State Code-Phone No. \*

Mobile No. \*

Fax No.

Website

Email \*

#### Manufacturing Facility Details

☐ Click here if same as Business Address.

Name of the Company \*

Address Line 1 \*

Address Line 2

City/Town \*

Country \*

State \*

District \*

Pincode \*

State code-Phone no. \*

Mobile No. \*

Fax No.

Email \*

Website

Quality Management System Certificate  
(ISO 9001):

 No file chosen

Valid Till Date \*

[ADD MANUFACTURER FACILITY](#)



## Contact Persons Details

Name \*

Mr. 

(First Name)\*

(Middle Name)

(Last Name)\*

Designation \*

Email \*

Phone No. \*

Mobile No. \*

Fax No.

## Company Registration/Financial Details

Company Reg No. \*

Company Reg Date \*

 (DD/MM/YYYY)

Company's PAN \*

Annual Turnover (in Lacs) \*

₹ 

## Equipment Details

Equipments \*

Select 

Brand Name \*

## Upload List Of Authorised Retailers / Dealers

List Of Retailers \*

Choose File

No file chosen

[Download Authorised Retailers / Dealers Format](#)

## Upload Company Documents

Trade Mark and Company Registration  
certificate \*

Choose File

No file chosen

Valid Till Date \*

 (DD/MM/YYYY)Quality Management System Certificate (ISO  
9001) \*

Choose File

No file chosen

Valid Till Date \*

 (DD/MM/YYYY)

Authorized Letter for Signatory \*

Choose File

No file chosen

ID Proof of Authorized Signatory \*

Select ID 

Choose File

No file chosen

Captcha Code

L9hsDCf





## **Annex 2: Standard Agreement between the Bureau and the user of label for voluntary appliance/equipment on INR 100 Stamp paper**

AGREEMENT BETWEEN BUREAU OF ENERGY EFFICIENCY, A STATUTORY BODY UNDER THE MINISTRY OF POWER AND APPLICANT'S ORGANIZATION NAME THE USER OF LABEL OF ENERGY EFFICIENCY LABEL UNDER THE PROGRAM FOR ENERGY EFFICIENCY LABELLING.

Whereas the Bureau of Energy Efficiency, Ministry of Power (hereinafter referred to as the Bureau), a statutory body established under the provisions of the Energy Conservation Act 2001, (52 of 2001) with its office at 4th Floor, Sewa Bhawan, R.K. Puram, New Delhi-110066, India has launched a Program for energy efficient labelling.

Whereas applicant's organization name engaged in the manufacture/ marketing/import of Appliance category (equipment) under the Brand having its registered office at Office location of registered office. Registered office address has agreed to use the label under the Program for energy efficient labelling, (hereinafter referred to as the user of the label).

**Now therefore, the parties hereto mutually agree as follows:**

### **1. General**

#### **1.1 Commencement and duration**

The agreement shall be valid for a period of 3 years commencing from the date it is signed or until Notification under clause (d) of section 14 of the Energy Conservation Act is issued by the Central Government, whichever is earlier.

#### **1.2 Objective**

The objective of this Agreement is that both the parties agree to work together to implement the Program for energy efficiency labelling for the equipment or appliance category in accordance with the details of the Program as per the respective schedule of the appliance/equipment.

#### **1.3 Use of Energy Efficiency Label**

The use of the label is assigned to Applicant's organization name for achieving the objective defined in Section 1.2 of this agreement.



## 2. Taxes and duties

2.1 The user of the label shall also bear any taxes, duties, levies, labelling fee, etc. as applicable from time to time in the use of the label under the implementation of the Program for energy efficiency labelling.

## 3. Amendments/Additions

3.1 If both parties to the agreement, form an opinion that any or some provision of the Program are coming in the way of achievement of the objective of this Agreement defined in Section 1.2; and both the Bureau and the user of label are satisfied that the adjustment or amendment of such provisions shall contribute towards the achievement of the objective defined in Section 1.2; Bureau may, adjust or amend such provisions of the Program at any stage during the implementation of the Program in consultation with other stakeholders.

3.2 Any such adjustment or amendment shall be made in writing.

## 4. Notes

4.1 Any notice given by any of the parties hereunder shall be sent in writing at the address given as follows:

### (1) Bureau of Energy Efficiency

Director General  
Bureau of Energy Efficiency  
4th Floor, Sewa Bhawan,  
zR. K. Puram, New Delhi – 110066

### (2) Applicant's organization name

In witness whereof the parties hereto have signed this agreement.

Signature \_\_\_\_\_ Signature \_\_\_\_\_  
Bureau of Energy Efficiency Applicant's organization name  
(Date of signing)

Witness : 1. \_\_\_\_\_ Witness : 1. \_\_\_\_\_

Witness : 2. \_\_\_\_\_ Witness : 2. \_\_\_\_\_



Annex 3: Sample Model Registration Form

Manufactured at

India

Lab Details

Test Details (Test Procedures/Name/Number)

Accreditation Status

Select

Authorized Signatory

First NameMiddle NameLast Name

Designation

Authorized Contact Person

First Name

test

Middle Name

middle name

Last Name

last name

Designation

test

Equipment Registration Page 2

Agency Details

User Id

QJMALWAC13062

Application Id

153228

Equipment

Room Air Conditioner (Variable Speed)

Brand

test

Lab Address Details

Address 1Address 2City

Country

Select

State

Pin

Only pdf/tiff/png/bmp/jpeg/jpg copy of the documents should be uploaded.Each page of the uploaded document should be stamped and signed by authorized signatory

Testing Document Details

Annexure 1

Choose File

No file chosen

Date of Test

(DD/MM/YYYY)



Production & Sales Figure For the Said Equipment

Year	Production (No of Units)	Sales (No of Units)	MRP of the equipment(Rs)
2021-2022	<input type="text"/>	<input type="text"/>	₹ <input type="text"/>
2020-2021	<input type="text"/>	<input type="text"/>	₹ <input type="text"/>
2019-2020	<input type="text"/>	<input type="text"/>	₹ <input type="text"/>

**NOTE**

- \* After submitting the application, please do not leave this page as you will be redirected to a Payment Option Page please select the appropriate payment type.
- \* Your application will be invalidated if you do not complete the payment process successfully.
- \* Please do not submit multiple applications as filling the same draft number for multiple applications can lead to the cancellation of the application completely.
- \* Please use online payment gateway for smooth processing of your application.

[<< BACK](#)
[Continue Form 2 >](#)

**Bureau of Energy Efficiency**  
Ministry of Power, Government of India

IS 1391 (Part 1 & Part 2) Unit 1 :  No file chosen

Date of Test :  (DD/MM/YYYY)

Methodology for frequency setting at 50% of full capacity :  No file chosen

Provision for frequency setting at 50% of full capacity :

IS 1391 (Part 1 & Part 2) Unit 2 :  No file chosen

Date of Test :  (DD/MM/YYYY)

**Certification For Test Details**

Name of the Test Standard, No. and Year :

Name of the test laboratory :

Accreditation status :   No file chosen

Upload certificates for test laboratory (i.e. ISO 17025)

Accreditation certificates for test laboratory (i.e. ISO 17025) :  No file chosen

Address Line1 :

Address Line2 :

Country :

State :

Pincode :

StdCode-PhoneNo :

Email Id :



Product Details

Number of Labels Applied For BEE

For the First Year  For the Second Year  For the Third Year

Product Serial No

From  To

[Edit Form 1](#) [UPLOAD](#)

Sample Label :

[View Document](#) [Upload Again](#)

Equipment Registration Page 3

Agency Details

User Id	GJMALWAC15062	Application Id	153228
Equipment	Room Air Conditioner (Variable Speed)	Brand	test

Star Label Parameters

Star Label

Select Table

Type

With Heat Pump

Voltage Range (V)

Nominal current at rated conditions (A)

Refrigerant Type

Refrigerant Charge Capacity(gm)





Bureau of Energy Efficiency

Ministry of Power, Government of India

Default temperature setting at 24 degree celsius 

Select

Copper tube length in metre

Measured Values

Standard Cooling at Full Capacity

Standard Cooling at 50% of Full Capacity

Power Consumption of Standard Cooling at full capacity

Power Consumption of Standard Cooling at 50% of full capacity

Standard Frequency at Full Capacity

Standarder Frequency at 50% of Full Capacity

Cooling Seasonal Total Load (CSTL) in KWh

Cooling Seasonal Energy Consumption (CSEC) in kWh

Indian Seasonal Energy Efficiency Ratio - Cooling (ISEER-Cooling)

Rated Values

Standard Cooling at Full Capacity

Standard Cooling at 50% of Full Capacity

Power Consumption of Standard Cooling at full capacity

Power Consumption of Standard Cooling at 50% of full capacity

Standard Frequency at Full Capacity

Standarder Frequency at 50% of Full Capacity

Cooling Seasonal Total Load (CSTL) in kwh

Cooling Seasonal Energy Consumption (CSEC) in kwh

Indian Seasonal Energy Efficiency Ratio - Cooling (ISEER-Cooling)

Nominal Marketing Capacity (In ton)

Edit Form 1

Edit Form 2

SUBMIT



## Annex4: Letter of approval of model registration

### I. For Mandatory Appliance/equipments

Permission / Renewal of Permission to affix label on Name of Appliance/ equipment under the Bureau of Energy Efficiency (Particulars and Manner of display of Label on Name of Appliance/equipment) Regulations, 20XX

New Delhi, Dated.....

To

.....

.....

1. Pursuant to the provisions of regulation 7 of the Bureau of Energy Efficiency (Particulars and Manner of their Display on Labels of (Name of Appliance/equipment) Regulations 20XX, the Bureau hereby permits you to affix label as per details of approvals set out in the Annexure to this letter.
2. This permission is subject to the condition that —
  - (a) the star level displayed on the label of the (Name of Appliance/ equipment) shall conform to energy consumption standards for (Name of Appliance/equipment) notified under clause (a) section 14 of the Act and terms and conditions provided in the aforesaid regulations;
  - (b) the label shall be affixed only on such model of (Name of Appliance/equipment) for which permission has been granted;
  - (c) the label shall be printed and affixed on the (Name of Appliance/ equipment) at the cost of the permittee;
  - (d) the permittee shall ensure that the star level displayed on the (Name of Appliance/equipment) shall be maintained at all time;
  - (e) the permittee shall pay the label fee of ..... rupees per label;
  - (f) the permittee shall furnish to the Bureau a statement containing details of appliance/equipment of labelled equipment and the accrued labelling fee due for each quarter within the following month of the close of each quarter of the financial year. The same details shall be furnished to the Bureau also through automated system;



- (g) the permittee shall make available such other details of (Name of Appliance/equipment) as and when sought by the Bureau of which the permission has been granted.
3. This permission shall be valid with effect from ..... to .....and may be renewed as prescribed. The permittee shall not withdraw the (Name of Appliance/equipment) from the market during the validity period of permission except with the prior approval of the Bureau.
  4. The unique label series code for the equipment is..... and should appear on the label as per the approved design.
  5. where the star level plan on review is modified by the Central Government, the star level of the (Name of Appliance/equipment) shall stand modified as follows:-
    - (a) if new model is launched synchronizing with the revised star level, an application for such permission shall be made to Bureau six months in advance of the date from which new star level comes in to force;
    - (b) Where the existing model is continued to give effect to the modified star level, only a declaration in Form IV shall be submitted to the Bureau.
  6. Signed, sealed and dated this..... day of ..... month..... year.

(Secretary)  
Bureau of Energy Efficiency





## II. For voluntary Appliance/equipments

To

.....  
.....

**Subject: - Bureau of Energy Efficiency Voluntary Program for Energy Efficiency labelling, May 2006, Authorisation to use The Label for (Name of the Appliance/equipment)**

Dear Sir,

1. With Reference to your application received to BEE office for participation in Bureau of Energy Efficiency Voluntary Program For energy efficiency labelling May 2006 Program. The Bureau here by authorizes you to use the BEE Label strictly in accordance with the provision of Program subject to time payment of prescribed fees. The competent authority has authorized usage of label from ..... The permission shall be valid from ..... to .....
2. This authorization carries the rights and obligations stipulated in the Program. In pursuance of obligation, you shall pay in due manner and time the scheduled labelling fee as set out in the Program. The Bureau shall at any time During the operation of the Program ,decide to mean , revise ,modify or terminate the Program by giving three month prior notice and you will be bound to comply with such amendment, revision, modification within such period, as may prescribed by the Bureau.
3. During the tenure of Program, for particular model/equipment, if there are any changes in energy efficiency of such model/ equipment or any other information specified on the label, then you will be bound to submit a fresh application, which application shall be freshly processed and approved, if deemed Fit, in accordance with provisions of the Program.
4. The Star Label declared by you for the following Models of (Name of the Appliance/equipment) given as under would be check tested by BEE from time to time.



**User of label** : .....

**Equipment** : .....

**Brand/Make** : .....

5. The unique label series code allotted to you for the equipment is BEE/XYZ/000/015.
6. You shall be solely liable for ensuring:
  - i. The accuracy of the information displayed on the label or any public claim for label level and quality of equipment.
  - ii. Usage of the label only for such equipment models for which the agreement has been entered with the Bureau.
  - iii. The model approved herein above cannot be sold without BEE label in the market.
  - iv. Strict compliance with Terms & conditions of Program.
  - v. Strict compliances with the directions issued by the Bureau on implementation of the Program.
  - vi. Payment of any compensation adjudicated by any court tribunal to any person for any Information displayed on the label.

Yours faithfully,  
(Director)



## Annex 5: Action Taken Report on failure of check testing from Permittee to BEE

### Action Taken Report

(To be furnished on Company's letter head)

To

Dated.....

THE SECRETARY,  
BUREAU OF ENERGY EFFICIENCY  
(MINISTRY OF POWER, GOVT. OF INDIA)  
4TH FLOOR, SEWA BHAWAN,  
SECTOR 1, R.K.PURAM,  
NEW DELHI-110 066  
INDIA.

Pursuant to the provisions of regulation 7 of the Bureau of Energy Efficiency (Particulars and Manner of display of Label on Name of appliance/equipment) Regulations, 20XX, we M/s.....  
.....the manufacturer of (Name of the appliance/ equipment) were permitted to affix label on the (Name of the appliance/ equipment) conforming to the energy consumption standard of ..... star level vide BEE letter No.....dated.....for the model number.....

Pursuant to the provisions of sub-regulation (5) of regulation 11 of the Bureau of Energy Efficiency (Particulars and Manner of display of Label on Name of Appliance/equipment) Regulations, 20XX, we were giving directions vide BEE letter number.....dated.... to take necessary corrective action. In the light of directive issued by the Bureau , we hereby declare that the following actions have been taken at our end.







## **BUREAU OF ENERGY EFFICIENCY (BEE)**

**A statutory body under Ministry of Power, Government of India**

4th Floor, Sewa Bhawan, R.K. Puram, New Delhi-110066 (INDIA)

Ph: 011-26766730, 011-26194771, 772 | Fax: +91 11 26178352

[www.beeindia.gov.in](http://www.beeindia.gov.in)  [/beeindiadigital](https://www.facebook.com/beeindiadigital)  [/beeindiadigital](https://twitter.com/beeindiadigital)