

Energy Efficiency Labels

Details of Scheme for Energy Efficiency Labeling
May 2006



Bureau of Energy Efficiency
Ministry of Power, Govt. of India,

4th Floor, Seva Bhawan,
R.K Puram,
New Delhi 110066

www.bee-india.nic.in

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1 Scheme for Energy Efficiency Labeling

- a. The Bureau of Energy Efficiency, Ministry of Power has developed a scheme for energy efficiency labeling of equipment, pending issue of Notification under clause (d) of section 14 of the Energy Conservation Act, 2001 by the Central Government.
- b. This scheme will come into force from the date of its announcement in the print media and the Bureau of Energy Efficiency's web site (www.bee-india.nic.in) and on www.energymanagertraining.com . It shall remain in force until Notification under clause (d) of section 14 of the Energy Conservation Act 2001, is issued by the Central Government.
- c. The scheme has been developed in collaboration with all the stakeholders, and aims at providing information on energy performance so that consumers can make informed decisions while purchasing appliances.
- d. Participation in the scheme is voluntary and currently applicable for the following equipment
 - 1.Frost-Free (No-Frost) Refrigerators
 - 2.Tubular Fluorescent LampsThe labeling of other equipment and appliances would be introduced in a phased manner.
The test procedures, schedule of tests, rating plan, sampling plan, qualification requirements, label design, label fee and the manner of display of label in relation to the aforesaid equipment have been specified in Schedule 1 & 2 respectively.
- e. A committee will be set up by the Bureau to oversee implementation of the scheme. The committee will be chaired by Director General, Bureau of Energy Efficiency and consisting of representatives from Ministry of Power, Bureau of Indian Standards, Consumer Associations, Manufacturers Association, and Test laboratories.
- f. The Standards and Labeling Implementation Committee will recommend BEE on the following issues:
 - i. Enforcement of provisions of this scheme.
 - ii. Develop the criteria for deciding whether challenge test and further actions should be undertaken or not.
 - iii. Verification of the legitimacy of challenges to the label, and further action
 - iv. Selection of samples for verification and challenge testing.

2 Scheme Participation Process

- a. Manufacturers of equipment/importers/persons- in- trade can participate in the scheme by registering with the Bureau.
- b. Manufacturers of equipment/importers/persons- in- trade (hereinafter called the User of label) will enter into an agreement (Annexure – 1) on a non-judicial stamp worth Rs.100/- (Rs. One Hundred only), with the Bureau of Energy Efficiency

(hereinafter called the Bureau) agreeing to abide by the terms and conditions of the scheme. The agreement will be valid for a period of 3 years or until Notification under clause (d) of section 14 of the Act is issued by Central Government, whichever is earlier.

- c. A separate application (Annexure – 2) will be made by the user of label for labeling of each equipment/model. The application for each equipment/model shall be accompanied by non – refundable registration charges of Rs. 1,000 (Rupees One thousand only) in the form of a crossed bank draft issued in the name of Bureau of Energy Efficiency and payable at New Delhi.
- d. A labeling fee (as defined in the schedule for each equipment) shall be given by the manufacturer (Rs 10/Refrigerator and Rs. 0.05/TFL) in advance to the Bureau of Energy Efficiency.
- e. The formats for application, agreement and application form for label are provided as annexure to this document.
- f. After receiving the complete application for an equipment/model, the Bureau will scrutinize the application, and seek further information, if required, within a month from the date of receipt.
- g. If there are no queries from the Bureau within a month, the user of label can affix the label under intimation to the Bureau if an agreement for participation in the scheme has already been entered under (b) above.
- h. Proprietary information supplied to the Bureau should be marked as such by the user of the label, and Bureau shall keep it confidential
- i. The user of label will print and affix the labels as per the label design, manner of display, and the rating plan prescribed for the particular equipment.
- j. The Bureau would prepare a poster/brochure informing the consumers as to how to read/interpret the label and select equipment for purchase. The user of label would distribute a copy of the poster/brochure along with their technical brochure to the buyer and would also display the poster/brochure at the point of purchase.
- k. The user of label shall maintain the list of labeled equipment and provide a statement of labeled equipment, their star rating level and the number of such labeled equipment produced, with serial numbers, wherever applicable, every six months.
- l. A list of labeled equipment (and information on the label) will be maintained by the Bureau and made available to the public through publications and its web site.
- m. If during the tenure of the scheme, for a particular model/equipment, there are changes in the energy efficiency of the model/equipment or any other information on the label, then a fresh application should be submitted, and it will be processed accordingly.
- n. The user of label shall be solely responsible for ensuring-
 - i. the accuracy of the information displayed on the label or any public claim for label level and quality of equipment.
 - ii. use of label only for such equipment/models for which the agreement has been entered with the Bureau.
 - iii. Compliance to the terms and condition of the scheme,

- iv. directions of the Bureau on the implementation of the scheme
- v. Payment of any compensation adjudicated by any court/tribunal to any person for any information displayed on the label.
- o. The Bureau will work towards creating a market for energy efficient equipment through consumer awareness and consumer education.
- p. The Bureau will appoint an independent agency to evaluate the program impact and process of implementation on a periodic basis. The scope of evaluation will include the impact on sales, energy consumption, cost, consumer purchasing behaviour, manufacturing, national energy use and the environment. The user of label shall extend full cooperation by providing the relevant data for the purpose.
- q. The Bureau will review the scheme periodically to determine the need for revision or amendment or termination of the scheme.
- r. The Bureau, at any time during the operation of the scheme, may decide to terminate or modify the scheme after giving three months notice period.
- s. The User of Label, at any time during the operation of the scheme, may decide to withdraw from the scheme after giving three months notice period to the Bureau as well as a public notice.
- t. The liability of the user for the accuracy of label will continue till those labeled products are available in the market.

3 Label Verification Process

- a. The Bureau will verify the label contents, and the manner of display of label for each equipment/model on a regular basis.
- b. The frequency of the verification test will be determined by the Bureau depending on the nature of equipment and time required for testing.
- c. Verification testing will be conducted in an independent (NABL accredited) laboratory registered with the Bureau.
- d. The Bureau or its representative(s) will identify and seal the equipment samples as per the sampling procedure specified in the Schedule to the scheme (for each equipment).
- e. The User of label will
 - i. agree to make available samples free of charge for verification as well as challenge testing.
 - ii. be responsible for transportation (to and fro from the place of picking of sample to the test laboratory) and handling of the sealed samples to the assigned test laboratory.
 - iii. be responsible for getting the selected and sealed samples tested in the assigned laboratory and reporting the results to the Bureau within a reasonable time period.
 - iv. directly bear the cost of transportation, handling, and testing of samples for verification testing.

4 Challenge Testing

- a. The label contents can be challenged by any person.
- b. The challenge must be submitted to the Bureau in writing.
- c. The Bureau will examine the challenge within a month of the date of receipt in writing. The Standards and Labeling Implementation Committee will recommend whether to conduct a challenge test or not, keeping in view the basis of the complaint and examination of past records.
- d. The decision of the Bureau will be final and will be conveyed to complainant along with justification.
- e. If a challenge test is required, then
 - i. the complainant will deposit the expenses related to transportation (to and from the place of picking of sample to the test laboratory) and testing in advance to the Bureau.
 - ii. the Bureau will arrange for selection and sealing of samples. The transportation to the assigned laboratory is the task of the user of label.
 - iii. the testing will be conducted in an independent laboratory registered with the Bureau and the testing charges would be paid out of the advance by the complainant.
- f. The complainant and the user of label may witness the process of challenge testing.
- g. If the equipment fails the challenge test, then the expenses paid by the complainant would be reimbursed by the user of label whose equipment has failed.
- h. If the equipment passes the challenge test, then the complainant would forfeit the deposit.
- i. If the equipment fails the challenge testing, the enforcement process (section 5) will be followed.

5 Enforcement Process

- a. If the equipment fails the verification/challenge testing, then the matter will be placed before the Standards and Labeling Implementation Committee and the user of label will be informed about the failure.
- b. The user of label has the option to go in for the second test, in case the equipment fails the first verification/challenge test.
- c. A second test will be carried out with twice the initial test sample size, and all the samples should pass the test.
- d. The user of label will bear the expenses related to the second test.
- e. If the equipment passes the second verification/challenge test, then no further action would be taken and the appliance would deem to confirm to the label level.
- f. If the equipment subjected to verification/challenge testing fails the second test, the user of label will, within the given time limit by the Bureau,

- i. correct the label level or remove the defects or deficiencies found for new equipment/models yet to be shipped out as well as for equipment/models for sale in the market.
 - ii. change particulars/information on the advertising material
- g. If the user of label fails to comply with the directions issued under clause (e), then, the use of label for that model will be prohibited. In addition,
 - i. the Bureau will inform the consumers about the failure of the equipment/model by wide publicity.
 - ii. the Bureau may advise the government to debar the equipment/model/ and/or the user of the label from participating in any public tender.

6 Requirement for Independent Testing Facilities for Participation in the Scheme

- a. An independent laboratory with a valid accreditation from National Accreditation Board for Laboratories (NABL) or other international accreditation in force (with NABL approval) for the test procedures (energy efficiency and other performance tests) specified for each equipment/model in as specified in the labeling plan for that equipment, can register with the Bureau.
- b. The Bureau will enter into a rate contract with the laboratories for carrying out verification and challenge test charges for the equipment covered under the scheme and the same shall be reviewed every year.
- c. The laboratories may be reviewed initially at the time of registration and then on a regular basis after that, and in case any laboratory ceases to fulfil any condition laid down at the time of registration, the registration will be withdrawn
- d. If the test result of a particular lab are consistently found to be incorrect, then registration of the laboratory will be withdrawn, and wide publicity will be given to the disqualification of the laboratory.
- e. The laboratory will agree to participate in the proficiency test arranged by the Bureau.
- f. The application for registration of laboratories should be made in the prescribed Form (Annexure – 3).
- g. The registered laboratory shall provide an undertaking that they would carry out the tasks relating to the scheme on priority basis.

Annexure 1: Application Form for Participation and Agreement

Application for Participation in the Scheme for Energy Efficiency Labeling

(ON THE LETTERHEAD OF THE COMPANY/FIRM)

The Director General
Bureau of Energy Efficiency
4th Floor, Sewa Bhawan
R. K. Puram
New Delhi-110066, India.

I/We are carrying on business at _____ (full business address) under the style of _____ (full name of firm) hereby apply for participation in the scheme for energy efficiency labeling in respect of the following equipment.

- 1. Equipment _____
- 2. Brand (Trade Mark(s)/Brand Name(s))

I/We have gone through the scheme for energy efficiency labeling, and we agree to abide by the terms and conditions of the scheme. I/We am/are willing to enter into an agreement for participating in the scheme. The duly signed complete agreement is enclosed.

Dated this Day of(Year)

Signature

Name

Designation

For and on behalf of

.....

(Name of the firm)

Encl: Agreement

Agreement between the Bureau of Energy Efficiency, a statutory body under the Ministry of Power and M/s ABC the user of label of energy efficiency label under the Scheme for Energy Efficiency Labeling.

Whereas the Bureau of Energy Efficiency, Ministry of Power (hereinafter referred to as the Bureau), a statutory body established under 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 scheme for energy efficiency labeling.

Whereas M/s _____ (ABC) engaged in the manufacture/ marketing/ import of _____ (equipment) having its registered office at _____ (full address) has agreed to use the label under the, scheme for energy efficiency labeling, (hereinafter referred to as the user of label)

Now therefore, the parties hereto mutually agree as follows:

1. General

1.1 Commencement and duration

1.1.1 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 issued by the Central Government, whichever is earlier.

1.2 Objective

The main objective of this Agreement is that both the parties to the Agreement shall work together to implement the scheme for energy efficiency labeling for the equipment ___ in accordance with the details of the Scheme as attached.

1.3 Use of energy efficiency label

1.3.1 The label is being promoted by the Bureau. The use of the label is assigned to M/s ABC. for achieving the objective defined in Article 1.2 of this Agreement.

2. Taxes and duties

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

3. Amendment / Additions

3.1 If both parties to the Agreement form an opinion that any or some provision of the scheme are coming in the way of achievement of the objective of this Agreement defined in Article 1.2; and both BEE 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 Article 1.2; BEE may, adjust or amend such provisions of the scheme at any stage during the implementation of the scheme in consultation with other stakeholders

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

4. Notice

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,
R. K. Puram,
New Delhi – 110066

(2) **User of label**

In witness whereof the parties hereto have signed this Agreement

Signature.....

Signature.....

(place, date)

(place, date)

Bureau of Energy Efficiency

User of label

Witness: 1

Witness: 1

:2

:2

Annexure 2: Format for Application Form for Label

Application for Label under scheme for Energy Efficiency Labeling

(ON THE LETTERHEAD OF THE COMPANY/FIRM FOR EACH MODEL SEPARATELY)

The Director General

Bureau of Energy Efficiency

4th Floor, Sewa Bhawan

R. K. Puram

New Delhi-110066, India.

I/We hereby apply for use of label under scheme for energy efficiency labeling:

- a. Equipment Name
- b. Brand (Trade Mark(s)/Brand Name(s))
- c. Registration No. and Date of the Trade-Mark(s)/Brand Names(s)
- d. Equipment Type
- e. Model No.
- f. Size/Volume/Rating
- g. Additional Information/other equipment specifications
- h. Conforms to minimum energy efficiency requirements of relevant IS standard
- i. Details of label for the equipment/model

ENERGY EFFICIENCY LABEL DETAILS	DETAILS OF THE EQUIPMENT	CERTIFICATION
1. Rating/Label level: 2. Date of commencement: 3. All other information to be displayed on the label (Energy consumption/ Volume/size/ Efficiency/etc) 4. Number of labels to be affixed 5. Label Series Code (alphanumeric code: Kxj200005 –Kxj230005)	1. Equipment 2. Brand (Trade Mark(s)/Brand Name(s)) 3. Registration No. and Date of the Trade-Mark(s)/Brand Names(s) 4. Model No. 5. Type 6. Size/Volume/Rating 7. Additional Information	The initial test was carried out as per (name and number of the approved test procedure) at (name and address of the lab): Lab details: a) Test details: (Test procedures/name/number) b) Accreditation status:
ATTACH A TRUE COPY OF THE LABEL AS IT WILL APPEAR ON THE EQUIPMENT		

The above equipment is manufactured by _____ (Name of the company) at _____ (Name and address of the factory)

I/We conform to the Bureau of Indian Standard/other international standards in respect of Quality System/Other standards in accordance with IS/Others (name and number of the standard) _____. A copy of the License/certificate is enclosed.

I/We have conducted the initial tests as per the scheme for the _____ equipment/model at _____ (Name and address of the laboratory). The test certificates are enclosed.

Production and sales figures of the said equipment and the value thereof to the best of my/our knowledge and estimates are as follows:

Year	Production	Sales	MRP of the equipment (Rs.)

_____ (Name and Designation) is the authorized contact person for coordination with the Bureau in respect of this application and the use of the Label.

I/We undertake that the information supplied in this application is accurate to the best of my knowledge, and should any of the information supplied be found to be incorrect; the application may be rejected forthwith.

I/We hereby covenant with the Bureau to observe the provisions of the scheme for Energy Efficiency Labeling.

A crossed bank draft of Rs. 1,000/- in favour of, Bureau of Energy Efficiency, payable at Delhi, as the non-refundable Registration charges is enclosed.

A crossed bank draft of Rs. (Rupees.....) in favour of, Bureau of Energy Efficiency, payable at Delhi, as labeling Fee for(number of products) is enclosed. .

Dated this Day of(Year)

Signature

.....Name

Designation

For and on behalf of

.....

....

(Name of the firm)

SignatureDate_____

Enclosures:

1. Test certificates
2. Label

Annexure 3: Application for Independent Laboratory

Test Laboratory Application Form for Registration in the scheme for Energy Efficiency Labeling

(ON THE LETTERHEAD OF THE COMPANY/FIRM)

The Director General
Bureau of Energy Efficiency
4th Floor, Sewa Bhawan
R. K. Puram
New Delhi-110066, India.

We hereby apply for participation in the scheme for Energy Efficiency Labeling. The information of the test laboratory is as follows:

1. Applicant's name and Complete Address :

1.1 Name of the Chief Executive and his deputy with designation

Telephone No. (with STD Code) :
Fax No. (with STD Code) :
Postal address :
Email :

2. Test Laboratory's name and complete address (if different from 1)

2.1 Name of the Head of operating laboratory and his deputy with designation
Telephone No. (with STD Code)
Fax No. (with STD Code)
Postal address

3. Legal Identity

Legal Status & Date of Establishment of the laboratory (Enclose copy)

4. Management structure of the lab (on a separate sheet as Chart-I)

Name & Designation of the person responsible for the Quality System Management in the Laboratory

Telephone No.

5. Is laboratory prepared to participate in proficiency/Inter Laboratory testing programme, if organised or sponsored by the Bureau?

6. **Complaints**

6.1 Is there any documented policy & procedures for the resolution of complaints?

7. Arrangement for ensuring impartiality, confidentiality, independence in judgment & integrity in relation to the lab's activities.

8. Familiarity with terms & conditions

8.1 Are you familiar with terms and conditions of Laboratory Recognition Scheme of the Bureau and willing to abide by them?

9. List test procedure separately for each equipment

Equipment to be tested	Parameter(s) Tested	Test Accreditation Status Procedure(s) (Accreditation Agency, Date of issue, and validity)	Test Charges valid for the financial year 2005 - 06

10. Provide details of capacity to undertake testing in terms of test facility and manpower. (how many tests can be carried out concurrently)

We hereby covenant with the Bureau to observe the provisions of the scheme for Energy Efficiency Labeling.

Signature

Name

Designation

Date

Enclosures:

1. Copy of current accreditation certificates
2. Copies of the laboratory quality manual
3. Undertaking

UNDERTAKING
(to be signed by the Head of the Laboratory)

1. I/We hereby declare that I/We shall comply with all the provisions of the scheme for energy efficiency labeling as amended from time to time.
2. I/We agree to keep all the test results confidential and the same will not be communicated to anybody except Bureau of Energy Efficiency (BEE) or an agency authorized by BEE.
3. I/We agree to participate in proficiency testing/Inter Laboratory Test Comparison Programme for assessing/helping BEE to assess the technical competence of the laboratory and also agree for periodic visits by BEE experts as decided by BEE. The decision to continue recognition by BEE, on the basis of such testing and periodic visits, will be acceptable to me/us.
4. I/We also agree not to claim any testing charges for the samples tested as sent by BEE under the Proficiency Testing/Inter Laboratory Test Comparison Programme.
5. I/We agree to communicate BEE any changes in equipment and/or personnel and the decision of BEE to continue or discontinue recognition made on the basis of scrutiny of such information shall be acceptable to me/us. Failure to comply may render us liable to de-recognition.
11. I/We agree that the recognition of the laboratory shall not bind BEE to make use of test facilities available in my/our/other laboratory.

Signature
Name
Designation
Seal

Dated
Place:

**Amendments to the scheme for Energy Efficiency Labeling approved by the
Ministry of Power**

1. Para I, sub-para (d)

(i) page 2, “delete 5th– 6th line”

(ii) Page 2, after the 7th line add the following

“The labeling of other equipment and appliances would be introduced in a phased manner. The programme is as follows –

- | | | | |
|-----|---------------------------------|---|-----------------|
| (a) | Direct Cool Refrigerator | - | September, 2006 |
| (b) | General Purpose Electric Motors | - | October, 2006 |
| (c) | Air-conditioners | - | November, 2006 |
| (d) | Ceiling Fans | - | December, 2006 |

The test procedures, schedule of tests, rating plan, sampling plan, qualification requirements, label design, label fee and the manner of display of label in relation to the aforesaid in schedule shall be specified in schedule 3,4,5 and 6 respectively”.

2. Page 2, para 1 sub-para (f)

(i) For the words “Standards & Labeling Implementation Committee” appearing in line 1 of sub-para (f) and other places wherever these appear in the scheme read National Standards & Labeling Implementation Committee”

(ii) After Clause (iv), add the following new Clause

“(v) such other issues as are considered crucial to the implementation of the scheme on uniform basis throughout the country.”

3. Page 3, para 2, sub-para (d)

Delete the existing para and substitute the following

“(d)The user of label with respect to each equipment shall deposit a sum of Rs 1 lakh along with the application for seeking authority to use label, as a security deposit. The amount of labeling fee due in a financial year shall be paid by the user of the label to the Bureau of Energy Efficiency within one month of the close of each financial year. In case of default in payment of the due amount of labeling fee the security shall be forfeited. Further, participation by the defaulters in the scheme shall be subject to payment of full amount of labeling fee due with 10% interest thereon and with the approval of the National Standard & Labeling Implementation Committee.

4. Page11, Annexure 2, replace the last paragraph with the following

“A crossed bank draft of Rs 1 lakh in favour of Bureau of the Energy Efficiency payable at New Delhi as security deposit is enclosed.”