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# **MEPS and Labeling (Energy Efficiency Standards and Labeling: ES&L) Policy / Guidelines**

**For**

**Implementation of ES&L Scheme**

**In**

**Pakistan**

**Issued by: Ministry of Water & Power**

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## Acronyms

BRESL	Barrier Removal to the Cost Effective Development & Implementation of Energy Efficiency Standards & Labeling
CFLs	Compact Fluorescent Lamps
EE	Energy Efficiency
ENERCON	National Energy Conservation Centre
MEPS	Minimum Energy Performance Standard
NSC	National Standards Committee
PEEC	Pakistan Energy Efficiency and Conservation Bill
PSQCA	Pakistan Standards & Quality Control Authority

## **Procedure for Implementation of ES&L Scheme in Pakistan**

### **Purpose/Policy:**

1. To establish and provide guidelines to the manufacturers and importers (local agents, distributors, retailers etc) of house hold appliances/ products in Pakistan for participating in the ES&L scheme on voluntary basis and to get permission/ license to use/ affix “Pakistan Energy Efficiency Rating Label” herein after called in short “Pakistan Energy Label” on their appliances/ products marketed in Pakistan.

### **Scope**

2. The procedure will apply initially to the following listed household electrical appliances/ products manufactured locally or imported into Pakistan:

- a. AC Electric Fans
- b. Compact Fluorescent Lamps (CFLs)
- c. Magnetic & Electronic Ballasts for Tubular Fluorescent Lamps
- d. Electric Motors
- e. Room Air conditioners
- f. Refrigerators
- g. Television
- h. Electric Iron
- i. Microwave Oven
- j. Washing Machine
- k. Tabular Fluorescent Lamps

3. In first phase the manufacturers/ producers/ importers of house hold electrical appliances/ products as listed under Para 2, who are interested to participate in the energy ES&L scheme and wish to use/ affix the “Pakistan Energy Label” on their products for sale/ marketing in Pakistan may do so on voluntary basis after obtaining permission from ENERCON, Ministry of Water & Power, Government of Pakistan as per procedure laid down in Para 7.

4. In second phase, use of “Pakistan Energy Label” will be mandatory for products given in Para 2 above (Fans, CFLs, Ballasts, Electric Motors, Air Conditioners and Refrigerators). The second phase is planned to be launched in 3 to 5 years, depending on the local, regional and international market conditions.

### **Responsibility**

5. ENERCON is the national focal agency to implement energy labeling scheme for household electrical appliances/ products in Pakistan.

6. ENERCON is mandated vide item/ clause 1(e) and 3 of Article 4 , item (v),(x),(xxii) of Article 6 and item(d),(j),(v) of under enactment “ Revised Pakistan Energy Efficiency and

Conservation (PEEC) Bill” to develop/ undertake all appropriate measures/ mechanism necessary for achieving energy conservation and efficiency in the country. This includes but not limited to processing, granting approvals, regulating, monitoring of “Energy Label”, levying fines or prohibiting the manufacture, sale or import of inefficient energy appliances/equipment in the country.

## **Procedure**

### **7. Submission and Processing of Application:**

7.1 The manufacturers or an importers of household appliances/ products as listed under Para 2 shall apply to ENERCON for registration of their products in order to get permission to use/ affix “Pakistan Energy Label” on the specified product according to the laid down criteria, terms and conditions as described under Para 7 and 8 of the procedure.

7.2 Application shall be submitted on ENERCON Form PEL/F-01/2012, copy of which can be obtained from ENERCON/ BRESL Project or downloaded from web Id. [www.enercon.gov.pk](http://www.enercon.gov.pk) and [www.bresl.net.pk](http://www.bresl.net.pk).

7.3 Application shall be submitted along with “Label Licensing Fee” of Rs. 25,000/- (Rupees Twenty five thousand) in the form of a nonrefundable Payee Account Demand Draft in favour of ENERCON / BRESL Project.

7.4 The application form shall be duly filled in/ answer all the questions raised in the form, by giving correct/ appropriate information and accompanied with Energy Efficiency test results and required supporting documents as mentioned in the application form.

7.5 The received application shall be checked for completeness of documents and will be registered/ logged by the authorized person of the “ES&L Scheme Section” of ENERCON. The application is incomplete if, among others;

- (i) the application form is not properly filled up, signed and stamped,
- (ii) EE test results are not enclosed with,
- (iii) enclosed EE tests are not issued by accredited laboratories,
- (iv) prescribed registration fee are not paid

Incomplete applications will be returned to the applicants within 3 days after submission ;complete applications will be forwarded to the Evaluation Committee. Acknowledgement regarding the receipt of application shall be communicated by ENERCON to the applicant within seven (07) days after4 submission

7.6 The complete applications then shall be reviewed by the Evaluation Committee (Para 9 below) against the defined criteria for grant of “Pakistan Energy Label”. The committee will finalize its recommendations as to the acceptance or rejection of the application within

two (02) weeks from the date the case is referred to the committee. MD ENERCON will be the competent authority to approve/ reject grant of “Pakistan Energy Label” to the applicant. The applications may be rejected, if among others, the results shown in the enclosed EE test reports do not meet the qualification threshold of the products as specified in the relevant MEPS (Minimum Energy Performance Standards).

7.8 The result of evaluation/ review shall be communicated to the applicant within seven (07) days after the approval/ rejection by the competent authority. In case of rejection, reasons for such rejection shall also be communicated to the applicant.

7.9 In case of rejection, the applicant can submit a Review Appeal to the reviewing authority detailing the justification for review, which in this case shall be the “Secretary of the concerned Administrative Ministry” under which ENERCON works. In case of acceptance, ENERCON may publicize the manufacturer’s name and appliance type after grant of “Pakistan Energy Label”

## **8. MEPS and Criteria for Grant of “Pakistan Energy Label”:**

8.1 The criteria for grant of “Pakistan Energy Label” will be that the product meets the requirements of energy efficiency performance standards as laid down in the relevant MEPS for the specific product, and as approved by the National Standards Committee (NSC) of Pakistan Standards & Quality Control Authority (PSQCA). The proof of conformance to the MEPS will be provided by the applicant through EE Test Report/ Certificate obtained from testing laboratories accredited under international standard ISO/IEC 17025.

8.2 The MEPS for specific products are available on ENERCON- BRESL website.

8.2.1 The Energy Performance Value for grant of “Pakistan Energy Label” shall be reviewed periodically by ENERCON. Detail interval of review shall be specified in the documents titled “Minimum Energy Performance Standard (MEPS) for the appliances mentioned in section 2 of this procedure

8.4. The Energy Performance Value for MEPS shall be reviewed periodically, due to request from ENERCON, by PSQCA. Detail interval of re4view shall be specified in the documents titled “Minimum Energy Performance Standard (MEPS) for the appliances mentioned in section 2 of this procedure

## **9. Evaluation Committee:**

- 9.1. The constitution of Evaluation Committee shall be as under:
- a. Head, Energy Labeling Section of ENERCON
  - b. Representative of Ministry of Water & Power
  - c. Representative of Ministry of Science & Technology
  - d. Representative of Ministry of Industries
  - e. Relevant Technical Expert(s) of ENERCON- BRESL

9.2. Head, ES&L Scheme Section, ENERCON will convene the meeting of evaluation committee to finalize the approval/ rejection of application within the stipulated time period.

9.3. The constitution of the Evaluation Committee can be reviewed and revised by MD ENERCON as deemed necessary. The ministries/ divisions represented in the Evaluation Committee may be consulted, where required, while reviewing the constitution of Evaluation Committee.

9.4. The Evaluation Committee may enjoy a term of three (03) years with Functions/ Terms of Reference as summarized below:

- Evaluation of the application submitted by the applicant for grant of “Pakistan Energy Label”.
- Recommending to the approving authority the grant or rejection of “Pakistan Energy Label” as the case may be.
- Evaluation of Review Appeal submitted by the applicant and forwarding the comments to the reviewing authority for decision.
  
- Timely resolution of complaints received through labeling section of ENERCON from buyers/ consumers, manufacturers and communicating the result of resolution to the complainant.

## **10. Design / Pattern of “Pakistan Energy Label”:**

10.1 The pattern/design of “ Pakistan energy label” to be used/ affixed on the products shall be a “Unified Energy Label” for all the products as listed under Para 2,with the provision of entering particular data related to the specified product.

The ENERCON Logo has been merged with as Energy Efficiency Endorsement Logo and made part of Pakistan Energy Label.

10.2 The pattern/ design of “Pakistan Energy Label” will be as given on the ENERCON-BRESL web site, and a soft copy will be provided to the applicant on approval of grant of label. Sample format of “Pakistan Energy Label” for five electric home appliance is shown, in Fig-1 to Fig -5, for information only.



**Figure-1: Sample of Printed “Pakistan Energy Label” for Fans**

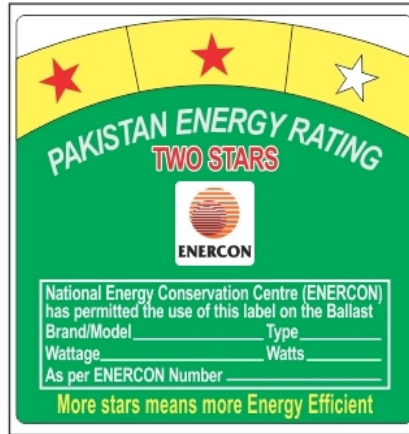


**Figure-2: Sample of Printed “Pakistan Energy Label” for CFLs**



**Figure-3: Sample of Printed “Pakistan Energy Label” for Motors**





**Figure-4: Sample of Printed “Pakistan Energy Label” for Ballasts**



**Figure-5: Sample of Printed “Pakistan Energy Label” for Air conditioners**

**10.3** The details of dimensions, character size and colors of energy label are given in the documents titled “Minimum Energy Performance Standard (MEPS)” of Ac Electric Fans, CFLs, Electric Motors Ballasts, Room Air conditioners & Refrigerators and others as mentioned in section 2 of this procedure

**11. Name and Use of “Energy Label”:**

11.1 The full name of “energy efficiency label” to be used in Pakistan shall be “Pakistan Energy Efficiency Rating Label”.

11.2 The applicant who has been authorized to use this label will print the “Pakistan Energy Efficiency Rating Label’ according to the pattern/ design and size/dimensions approved by ENERCON.

11.3 “Pakistan Energy Efficiency Rating Label” shall be used/ affixed on the body of the qualified product at a visible place and also prominently on the upper face of the product packaging.

## **12. Term and Renewal of Labeling License:**

12.1 The labeling license shall be granted initially for one year. Extension in/renewal of license for further two (02) continual years may be granted, subject to the following:

- The authorized user of license formally applies for extension/ renewal of license.
- The product, holding the license of “Pakistan Energy Label”, still complies with the Energy Efficiency qualifying criteria as mentioned at Para 8.1 of the procedure.
- The application for extension is accompanied with fresh Energy Efficiency Test Report and the results conform to the requirements of relevant MEPS.
- The users/manufacturers have upgraded the manufacturing technology or has improved the design of the EE product
  
- License renewal fee has been paid by the applicant.

12.2 License Renewal Fee will be Rs. 20,000/- of renewal for two years.

## **13. Review Appeal:**

13.1 In case the application of a manufacturer or importer is rejected/ not accepted, the concerned applicant may file a Review Appeal within thirty (30) days of rejection to the Reviewing Authority, which in this case shall be the “Secretary of the concerned Administrative Ministry”.

13.2 The decision on the Review Appeal shall be taken within fifteen (15) days of receipt of the appeal in the office of the Reviewing Authority, and the decision shall be communicated to the concerned applicant. The decision of the Reviewing Authority shall be final and cannot be challenged in a court of law.

13.3 There shall be no charge/ fee for filing the review appeal.

13.4 A manufacturer or importer can however submit a revised application for grant of license to use energy label on the specified product, after incorporating the suggested improvements in the product. The same process as mentioned at Para 7 of this procedure shall apply to deal with the revised application. Fee for Revised Application shall be Rs. 15,000.

## **14. Compliance Monitoring of Energy Label:**

14.1 ENERCON through its designated staff and in collaboration with PSQCA shall carry out monitoring to verify the compliance in using the “Pakistan Energy Label” on the qualified products by the authorized manufacturer/ importer.

14.2. ENERCON, in collaboration with PSQCA, shall carry out twice a year random monitoring/ checking of pattern/ design and validity of authorization of users for using/ affixing the “Pakistan Energy Label” on their products.

14.3. The authorized monitoring staff of ENERCON shall be issued special cards and Authority Letter clearly showing the function/ responsibility and authority/ power for conducting the compliance monitoring.

14.4. Following procedure shall be adopted for monitoring/ checking the use/ affixing of Pakistan Energy Rating Label in Pakistan;

- a. The designated monitoring staff of ENERCON will prepare a half yearly programme for monitoring of Energy Labels in Pakistan with the approval of MD ENERCON.
- b. The plan will include those regions of Pakistan where the manufacturers/ importers and dealers/ retailers are marketing their qualified products.
- c. During field monitoring, the designated monitoring staff will randomly pick/ check at least three (3) samples of qualified products, one each from manufacturer, dealer and the retailer for each of the product brand.
- d. The designated staff will check/ observe the compliance of the Pakistan Energy Label regarding pattern/ design, way and place of use/ affixing according to the approved criteria.
- e. The picked samples, if required, shall be got tested from the designated/ authorized testing laboratories for conformance to MEPS.
- f. The staff shall record on prescribed form of “Energy Label Violation Report”, any violation observed/ found in the use/ affixing of Pakistan Energy Label or non-conformance to MEPS, and report to the competent authority along with proof of objective evidence and level of violation as given in Para 15 below.

14.5. ENERCON has the responsibility to collect the information, annual volume of products and/or imports regarding ES&L, through questionnaire or other methodologies, from manufacturers, importers, related associations

14.6. ENERCON shall verify the effectiveness of introduction of ES&L framework and shall make the results public

**15. Levels of Violation:** These will be determined according to the level of non-conformance to the performance parameters as specified in the grant of permission for use of labels on the specified products. Level of Violation shall be determined as:

- a. **Violation Level A:** The test results of samples indicate non-conformance to the specified MEPS, i.e. the tested samples are less energy efficient than specified in the MEPS.
- b. **Violation Level B:** Label placed/ affixed on an unqualified/ unauthorized product.
- c. **Violation Level C:** Design of label is not according to the approved pattern, or the label is misleading to the customer.

- d. **Violation Level D:** Label not affixed properly or not affixed at appropriate place on product/ packaging.

**16. Penalties for Violation:**

16.1 If “Pakistan Energy Label” used/ affixed on the product is not conforming to the pattern/ design, the way of use as approved by the regulatory authority or the label is found misleading to the consumers/ retailers or violation of energy consumption against notified standards, the concerned user(s) of “Pakistan Energy Label” shall be penalized as follows:

- i) Suspension of labeling license
- ii) Withdrawal of labeling license
- iii) Monetary Fine

16.2 A fine up to Rs. 250,000/- (maximum) but not less than Rs. 50,000/- will be levied according to the Level of Violation, as given in Para 18 above; starting from maximum for Violation Level A to minimum for Violation Level D.

16.3 The authorized user of the “Pakistan Energy Label”/ fined manufacturer/ dealer/ retailer can go in to a review appeal against the decision of imposed penalty, by submitting an application on a plain paper, to the Reviewing Authority which in this case shall be the “Secretary of the concerned Administrative Ministry”.

16.4 The decision on the review appeal shall be taken by the Reviewing Authority within two (02) weeks from the date the appeal is received in the concerned section. The decision of the Reviewing Authority shall be considered final, and shall be communicated to the concerned appellant within seven (07) days of the decision and no further appeal can be made to any other authority or challenged in a court of law.

16.5 The withdrawal/ suspension of Pakistan energy label shall be made public through print and electronic media and other appropriate means.

16.6 The energy labeling license shall be kept:

- i) Suspended/ withdrawn till the decision of the review appeal.
- ii) Or till subsequent restoration after the concerned user has rectified the violation, and the Reviewing Authority (Secretary of the concerned Administrative Ministry) is satisfied to allow continuation of use of “Pakistan Energy Rating Label”

16.7 The labeling license shall be restored by the license granting authority after verification of the corrective/ remedial actions taken/ penalty paid by the concerned user.

16.8 The Federal Government may prohibit manufacture or sale or purchase or import of equipment or appliance specified under EE&C Act, after introduction on mandatory basis, unless such equipment or appliance conforms to energy consumption standards

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