



# of Pakistan

## EXTRAORDINARY PUBLISHED BY AUTHORITY

## ISLAMABAD, WEDNESDAY, MARCH 20, 2024

## **PART II**

Statutory Notifications (S.R.O.)

GOVERNMENT OF PAKISTAN
MINISTRY OF ENERGY
(Power Division)
[NATIONAL ENERGY EFFICIENCY AND CONSERVATION
AUTHORITY]

## NOTIFICATION

Islamabad, the 14th March, 2024

S. R. O. 415(I)/2024.— In exercise of the powers conferred by section 21 read with sub-section (3) of section 5 and clause (u) of section 7 of the National Energy Efficiency and Conservation Act, 2016 (XXX of 2016), the National Energy Efficiency and Conservation Board, in consultation with the National Energy Efficiency and Conservation Authority, makes the following regulations, namely:-

## PART-I DEFINITIONS

1. Short title, extent and commencement.— (1) These regulations shall be called the National Energy Efficiency and Conservation (Pakistan Energy Labels for LED Lights) Regulations, 2023.

1015(1—17)

Price: Rs. 40.00

[7378(2024)/Ex. Gaz.]

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- (2) These regulations shall come into force at once.
- 2. **Definitions.**—(1) In these regulations, unless there is anything repugnant in the subject or context,—
  - (i) "Act" means the National Energy Efficiency and Conservation Act, 2016 (XXX of 2016);
  - (ii) "applicant" means any local manufacturer, assembler, or importer of "LED lights" as per standard PS:IEC62504 and PS:IEC60050-845 as defined by the PSQCA;
  - (iii) "application" means an application made by an applicant, in hard or electronic form, in accordance with the provisions of these regulations and shall, where the context so permits, include the documents in support of such application;
  - (iv) "authorization" means an authorization granted by the Authority for the use of Pakistan energy labels for LED lights;
  - (v) "certificate of conformity" means a document, certified and issued by an enlisted accredited agency at the port of origin (necessarily be a third party), that the supplied good meets the required specifications;
  - (vi) "country of export" means place from where the shipment is exported to destination;
  - (vii) "designated officer" means any officer of the Authority designated as such by the Managing Director of the Authority from time to time to perform certain functions as per these Regulations;
  - (viii) "energy efficient" means product is compliant to minimum energy performance standards and bearing Pakistan energy label;
    - (ix) "importer" means any person who is authorized to make import of LED lights;
    - (x) "LED light" means LED Lights that are normally used in households and buildings for general lighting purposes and street lighting;
  - (xi) "manufacturer" means any person who is involved in manufacturing or assembling of LED lights;

- (xii) "minimum energy performance standards (MEPS)" means the minimum energy performance standards as approved by the Authority and endorsed and adopted by PSQCA;
- (xiii) "model" means the model or range of one model for the product of one particular brand, to which a single set of test report is applicable and where each of the models has the same physical characteristics, energy consumption or efficiency and performance characteristics;
- National Energy Efficiency (xiv) "NEECA" means Conservation Authority established under the National Energy Efficiency and Conservation Act, 2016 (XXX of 2016);
- "Pakistan energy label" means a sticker as defined and approved by the Authority as per Schedule-IV and generated through the product registration system or issued by the Authority on the basis of the star rating commonly known as energy star rating. The star rating is calculated from the star rating band as per the Schedule-III;
- "port of origin" means a place where the shipment actually (xvi) originates;
- (xvii) "pre-shipment inspection certificate" means a document. certified and issued by an enlisted accredited agency at the port of origin or country of export (necessarily be a third party), that provided inspection of contract goods prior to shipment so as to ascertain their quality, quantity, and price;
- "product" means LED lights to be registered under these (xviii) regulations;
- "PSQCA" means the Pakistan Standards and Quality Control (xix) Authority established under the Pakistan Standards and Quality Control Authority Act, 1996 (VI of 1996);
- (xx) "schedule" means schedule to these regulations;
- (xxi) "seller" means a person who sells the product to any person within Pakistan whether directly or through some online process; and
- (xxii) "type test certificate" means a document, certified and issued by an enlisted or accredited laboratory, that can be located either at the country of origin or anywhere else, that provided

the verification of all the rated characteristics of the equipment as assigned by the manufacturer, by means of the performance of all type tests specified by the international standards.

(2) All other terms, words and expressions used, but not defined in these regulations, shall have the same meanings as assigned to them in the Act or any other enabling rules and regulations.

## PART-II

## GRANT OF AUTHORIZATION OR REGISTRATION

- (1) No person, manufacturer or importer shall sell or purchase any LED light which is not energy efficient and not compliant to MEPS.
  - (2) In order to ensure that only energy efficient LED lights are sold in the market, these LED lights shall bear Pakistan energy label for LED lights.
- 4. Application for grant of registration or authorization.— (1) An applicant desiring registration shall make application to the Authority for registration or authorization to use or affix the Pakistan energy labels for LED lights on the product.
  - (2) The applicant shall sign-up and login through the product registration system, link to which has been given on the Authority's website or an applicant can submit an application as per format provided in the Schedule-I. The contents and format of application form provided in the Schedule-I may be updated by the Authority on as and when required basis.
  - (3) The application with one time company registration fee, product registration fee, product model registration or renewal and Label fee shall be submitted in the form of a non-refundable payee account demand draft in favor of the Authority or online payment channels as prescribe in the Schedule-II.
  - (4) For registration, the product shall meet the MEPS as prescribed by the Authority.
  - (5) The online or downloaded application form shall be duly filled in by giving correct and appropriate information, list of retailers or dealers with their contact details and addresses for

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- the labelled products in different cities and required supporting documents as mentioned in the application form as provided in Schedule-I.
- (6)The contents of the application with the required set of information as set out in Schedule-I submitted by the applicant shall be reviewed by the Authority's technical per committee and thereafter evaluation as recommendation of the said committee, the decision as to the registration or otherwise of the product shall be given by the Authority.
- The applicant shall be solely responsible for ensuring the accuracy of the information displayed on the label or any public claim for label level and quality of product and use of label only for approved product's model.
- The LED lights sought to be registered should conform to all (8) the requirements of Pakistan Standards PS:IEC60050-845 with all its amendments, as applicable to participate in Pakistan energy labeling program. PSQCA will provide test report issued by an accredited laboratory or labs enlisted by the Authority for the particular models of the product for which grant of Pakistan energy label is required.
- The test reports shall be reviewed by the technical section or officials nominated by the Authority to ensure its compliance with the energy performance or star rating specified in the Schedule-III and accordingly star rating for the particular model of the product would be endorsed and registered manually or through the product registration system.
- In case there are changes in the energy efficiency parameters (10)of the product or any other information on the label, then a fresh application shall be submitted and it will be processed accordingly.
- The liability of applicant for the authenticity of label will (11)continue till those labeled products are available in the market.
- The result of evaluation shall be communicated to the (12)applicant within fifteen working days after the approval or rejection by the Authority's technical evaluation committee and an authorization certificate to use the Pakistan energy label stickers shall be issued accordingly for the respective

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- models through the product registration system or manual mode. In case of rejection, reasons for such rejection shall also be communicated to the applicant.
- The validity of the registration of model shall be for two years (13)(from the date of registration) and thereafter, the applicant shall be required to get the registration re-issued in the manner provided herein for new registration.
- (14)The importer should place orders to their respective international suppliers or manufacturers for import of products as completely built unit (CBU) in compliance with PSQCA adopted standards and these regulations.
- The pre-shipment inspection certificate shall be issued by an enlisted accredited agency in the country of origin or exporting country operating in accordance with the requirements of ISO/IEC 17020, general criteria for the operation of bodies performing inspection. For avoidance for doubt, it is clarified that if the inspection body is not in the list of enlisted accreditation body, then its certificate shall not be accepted or entertained. The importers or vendors shall be required to keep them updated about the enlistment and accreditation status of the inspection body through the website of the Authority and Pakistan National Accreditation Council (PNAC) as explained above.
- The shipment or consignment as exported by the suppliers or (16)exporters as per order placed by the importers or vendors shall reach to respective port of delivery in Pakistan. The port authorities shall present the consignment to the appraiser or examiner for further processing. The importers or vendors shall have to submit or present all the documentation before the customs officers including the test report as specified in the Schedule-I and the authorization certificate issued by the Authority.
- The importers or vendors shall have to declare the (17)consignment as per the goods declaration (GD) procedure enabling processing of the consignment for clearance. All the documentation including the test report as specified in the Schedule-I and the authorization certificate issued by the Authority along with GDs shall be uploaded on the custom clearance system such as WEBOC.

- (18) The consignment imported by the importers or vendors shall be presented before the customs officers for inspection or examination. The customs officers shall be following normal process as per their rules and procedures for clearance of the consignment and review the documents as submitted by the importers or vendors. If the documentation is complete, the consignment shall be forwarded for clearance. If, documentation is found incomplete, particularly, requirements of test report as specified in the Schedule-I and the authorization certificate issued by the Authority, the consignment shall not be allowed for further clearing and shall be returned to port of origin or exporting country.
- (19) The customs officers shall inspect or examine the imported consignment as per the documentation and declaration. Any deficiencies identified by the customs officers at this stage shall be communicated to the importers or vendors for rectification. After complete inspection or examination, the consignment shall be forwarded for clearance.
- (20) After successful clearance, the importers or vendors shall be allowed to import the consignment and sell it in the local market as per their commitments or contracts or work orders and in compliance with the provisions of this regulation.
- (21) The decision of the Authority regarding approval or rejection shall be communicated to the applicant within fifteen working days after the approval or rejection by the Authority and an authorization certificate shall be issued accordingly for the respective models. In case of rejection, reasons for such rejection shall also be communicated to the applicant.
- 5. Design and specifications of Pakistan energy label.— (1) The design and related information regarding Pakistan energy labels for LED Lights shall be as per Schedule-IV. The design of the label in the Schedule-IV may be updated by from time to time as and when required by the Authority.
  - (2) The Authority shall embed security features in the label to enable verification of the authenticity of the labelled product. The security features shall be verifiable through modern technologies such as QR Code scanning.

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## PART III Monitoring

- 6. (1) For the purposes of monitoring, the Authority may seek information regarding all the registered products including the details of production, import and sales of the registered product.
- The Authority may, from time to time, either through its designated officers or third party firm or any designated agency shall carry out random monitoring to verify the compliance in using the Pakistan energy labels for LED lights on the registered products by the manufacturers, assemblers, or importers.
- The following may be the considerations for the verification or (3) monitoring of the registered products, namely:
  - pattern or design of label; (i)
  - validity of authorization of label users; (ii)
  - (iii) label contents;
  - manner of display of label; and (iv)
  - verification test. (v)
- In case, during the course of monitoring, any contravention of the provisions of the Act or other rules and regulations is observed, further action into the matter shall be taken in accordance with the provisions of Part IV of these regulations.

## PART-IV CANCELLATION OF REGISTRATION OR PENALTIES

7. Non-conformance of Pakistan energy label use.— (1) If Pakistan energy label used or affixed on the product is found to be not conforming to the pattern or design, the way of use as approved by the Authority or the label is found misleading to the consumers or retailers or violation of energy consumption against notified standards, the Authority shall within fifteen days of coming to know of the violation, cause the designated officer to seek an explanation from such person (herein after referred to as the said person).

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- (2) The designated officer shall issue an explanation to the said person to explain the occurrence of the violation within a period of fifteen days from the receipt of the explanation.
- (3) Where the said person admits the violation without offering an excuse, the registration of the product in question shall be cancelled and the said product shall be prohibited from sale in the market.
- (4) Where the said person admits the violation but maintains that there were valid reasons for such violation, he shall submit a written and reasonably detailed explanation of the reasons for such violation within a period of fifteen days.
- (5) The Authority shall examine the explanation referred to in sub-regulation (4) within fifteen days of receipt thereof and shall, if so requested, allow the said person an opportunity of being heard in person or through his authorised representative.
- (6) If the Authority accepts the explanation it shall record the reasons for acceptance and shall order the matter closed.
- (7) If the Authority rejects the explanation, it shall record the reasons for rejection of the response and shall pass an order regarding cancellation of the registration of the product. Beside the cancellation of registration, the Authority may also direct for withdrawal of all the stocks from the market immediately and it may also recommend imposition of fine as determined by the Board as per Schedule-V.
- (8) The decision of the Authority under sub-regulation (7) shall forthwith be communicated to the said person.
- (9) The Authority may also communicate its decision as to cancellation of registration of the product to the relevant offices of Customs for prohibiting the import of such products which are in non-conformance of Pakistan energy label use in accordance with these regulations.
- 8. Complaints related to performance testing or test-reports.—(1)
  The testing required for verification shall be got conducted through
  an accredited lab or labs enlisted by the Authority for this purpose
  at the expense of the manufacturer or importer.
  - (2) For any random verification, the Authority shall carry out risk based sampling in the market and shall buy models from the

market for verification test. At least one sample of the registered product shall be picked from the distributors or retailers by the monitoring team. If the registered product's model fails to pass the verification test, the registered company or firm of the model shall be issued a show cause notice. However, on request of such registered company or firm, the Authority may get the second check testing of the model at the registered company's or firm expense.

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- (3) In case of the second verification test, the Authority shall pick three samples of the same model from the market and test the samples. The cost of these three samples shall be borne by the manufacturer, assembler, importer, or retailer, as the case may be, applicable as per nature of complaint. The Authority shall inform the registered company or firm of the model about the date of second check testing to witness.
- (4) The manufacturer, seller or importer shall be responsible for providing due assistance to the Authority's monitoring team.
- (5) In case of failure of performance test results as compared to the results of test conducted at the time of model registration under these regulations, the Authority shall pass an order regarding cancellation of the registration of the product. Beside the cancellation of registration, the Authority may also direct for withdrawal of all the stocks from the market immediately and it may also recommend imposition of fine as determined by the Board as per Schedule-V.
- (6) The Authority may also communicate its decision as to cancellation of registration of the product to the relevant offices of Customs for prohibiting the import of such products which fail performance testing in accordance with these regulations.

## PART-V COMPLAINTS

9. (1) Any consumer of a registered product may lodge a complaint before the Authority, if the product is not in conformity with the approved specifications or standards or it does not bear the requisite label thereon.

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- (2) Upon receipt of the complaint, the Authority may cause the designated officer for issuing an explanation to the seller or manufacturer or importer of the product to show cause within fifteen days as to whey further action in terms of the provisions of Part IV of these regulations may not be taken against him. If considered necessary, the designated officer may make site inspections or get the product tested through the accredited laboratory at the expense of the seller or manufacturer or importer against whom the complaint was lodged.
- (3) An opportunity of hearing may also be provided by the designated officer to the parties.
- (4) Upon receipt of the response to the explanation issued under sub-regulation (2) or after making site inspection or testing of the product, the designated officer may make recommendations as to the decision of the complaint and may recommend to the Authority either for dismissal of the complaint or for taking further action in terms of Part IV of these regulations.
- (5) The decision upon such complaint shall be given by the Authority within sixty days of the lodging of the complaint.
- (6) Any person aggrieved by the decision of Authority may file an appeal before the Energy Conservation Tribunal in accordance with the provisions of the Act.





## SCHEDULE-I

[See regulations 4(2), (5), (6), (16), (17) & (18)]

Pakistan Energy Labeling Scheme Registration Form For LED Lights To be filled in by the Applicant

i. Appi	icant information
a. N	ame of Company/Firm:
b. A	ddress:
c. Pi	roducts Offered (tick all applicable):
O LED Bulb	s O LED Tubular Lamps O LED Down Lights O LED Street Light
d. Ty	/pe of facility:
O Manufacto	uring OAssembly Import Others:
e. Lò	ocation of Factory/Plant/Business:
f. Te	elephone:
Factory: _	
Office:	
	ame of Contact Person: Mobile#:
E-mail:	맛있다면 물 본 집 집에 보는 것이 아니는 것이 없는 것이었다면 없었다면 없었다면 없었다면 없는 것이었다면 없었다면 없었다면 없었다면 없었다면 없었다면 없었다면 없었다면 없
	any/Firm Sale Tax Number:
The second secon	any/Firm National Taxpayer Number:
	ther the firm/factory is registered with the local Chamber of Commerce and If YES then fill the following;
Registration	on#:
Year:	
5. Whe	ther a member of any Association? YES  NO If YES:
Name:	
	ip No:
Year:	

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oughout Pakistan□		Khyber Pakhtun Khwa	
Punjab		Sindh	
AJ&K		Baluchistan	
Gilgit Baltistan			
Details of Product to be Regi	istered		76
Brand Name			
Model Number			
Bar Code			
Lamp type (bulb, tube, down I	ight, stree	t light)	
Country of Origin			
Date of manufacture/assembly	/import .		
Lamp length (mm)			
Maximum Lamp diameter (r	nm)		
Minimum Rated Voltage (Vo	olt)		
Maximum Rated Voltage (Vo	olt)		
Rated Frequency (Hertz)			
Rated Power (Watts)			
Rated Power Factor			
Standby Power (Watts)			
Rated Flux (Lumens)			
Rated Efficacy (Lumens/Wa			
Rated Correlated Color Tempe Kelvins)	rature (CC	T in .	
Chromaticity tolerance (+/- I	Kelvin)		
Rate Color Rendering Index			
Rated Lifetime (hours)			
Mercury Content (mg) Must	be zero		
Risk Group Rating as per IE	C 62471		
Varranty (Years)			
		ergy Efficiency and Conserv	

YES | NO |

9. Specify the information about deposited non-refundable Fees payable to NEECA
☐ Company Registration Fees:
Demand Draft/ Pay Order No:
Dated:
for Amount Rs.:
☐ Product/Appliance Registration Fee:
Demand Draft/ Pay Order No:
Dated:
for Amount Rs.:
☐ Model Registration Fee:
Demand Draft/ Pay Order No:
Dated:
for Amount Rs.:
☐ Renewal Fee:
Demand Draft/ Pay Order No:
Dated:
for Amount Rs.:
10. Estimated production per annum of product/appliance of Model for which the application is submitted?
11. The following documents should be attached with the application
a. Company Brochure
b. Product Brochure/catalogue
c. Product Test Report issued by an Accredited Lab
d. Original Demand Draft(s)/ Pay Order(s)
Signature:
Name:
Designation:
Date:
(Stamp of the firm/company)

#### SCHEDULE-II

#### [See regulation 4(3)]

## **FEE STRUCTURE**

Sr. No	Fee Type	Fee in Pak Rs.
(1)	(2)	(3)
1	Company/Firm Registration Fee (One Time)	150,000/-
2	Product Registration Fee (One Time)	Nil
3	Model Registration/Renewal Fee (2 Years) 8,000/	
4	Pakistan Energy Label / Security Sticker Fee	0.10/-

Note: For the companies/importers which are going to register with the Authority within one year of notification of the regulations, the company/firm registration fee shall be waived off. The fee prescribed in column (3) of the table above shall have to be submitted by the companies or firms which will register with the Authority after one year of notification of these regulations. The Authority may revise the fee subject to change in market price of testing, labeling, and other associated expenses.

## SCHEDULE-III [See regulations 2(xv) & 4(9)]

#### Star Rating Band

Applicable on all type of LED Lights.

	Φ Flux Level (Lumens)			
Star Rating	60 ≥ Φ < 600	600 ≥ Φ < 1200	Φ ≥1200	
1 Star	≥ 80 lm/W	≥ 90 lm/W	≥ 100 lm/W	
2 Stars	≥ 90 lm/W	≥ 100 lm/W	≥ 110 lm/W	
3 Stars	≥ 100 lm/W	≥ 110 lm/W	≥ 120 lm/W	
4 Stars	≥ 110 lm/W	≥ 120 lm/W	≥ 130 lm/W	
5 Stars	≥ 120 lm/W	≥ 130 lm/W	≥ 140 lm/W	

## SCHEDULE-IV [See regulations 2(xv) and 5(1)] Pakistan Energy Label

## Affixing of Pakistan Energy Label

The energy star rating label shall be printed and affixed on the packing at prominent position with at least one side of the package box fully displaying the label for clear visibility. The label shall display the approved energy star rating for the model of the LED light. The format of the energy star rating label shall be as given in Figure-1 with unique QR Code containing specific information for instant digital verification by the end-user.

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The label sticker design shall be provided by NEECA after granting permission to use Pakistan Energy Label. Pak Rs. 0.10 would be charged per product unit from the manufacturer by NEECA on the basis of the production/import quantity as declared vide Part III 6(2), which shall be paid in advance in the form of a nonrefundable Payee Account Demand Draft in favor of the Authority as per declared production quantity. The applicant who has been authorized to use the label will print the "Pakistan Energy Label" generated through the Product Registration System according to the pattern/ design and size/dimensions specified below on the packing box or the product.











Figure 1: Format for Pakistan Energy Label

### Dimensions & Character size of the Pakistan Energy Label

The Pakistan Energy Label for LED lights shall have the dimension of 50x58mm or modified as per the type of LED light or its packing to the extent that the content remains readable.

#### 1.3 Prohibited information

Advertising information, other than that being included on the Pakistan Energy Label, is prohibited.

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## SCHEDULE-V [See regulations 7(7) & 8(5)]

Penalties for Non-Compliance

Sr No.	Non-Compliance Related to	Penalties(Rs.)
(1)	(2)	(3)
1	Pattern/design of label	100,000
2	Validity of authorization of label users	100,000
3	Label contents	200,000
4	Manner of display of label	150,000
5	Verification test failure	1,500,000
6	Manufacture/assemble, sale and import without getting registered	2,000,000

[No. IND/GAZETTE/REGULATION/LED/2403-001.]

DR. SARDAR MOHAZZAM, Managing Director, NEECA.

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