

## NEEP – Nepal Energy Efficiency Programme

Within the framework of bilateral development cooperation between Nepal and the Federal Republic of Germany, the joint implementation of “Nepal Energy Efficiency Programme” has been agreed upon in 2009.

Significant international experiences demonstrate that the efficient consumption of energy results not only in tangible savings to end-users, but also helps to ensure a stable energy supply and to reduce environmental impacts. NEEP envisages the realization of these potential benefits at four different levels:

- Energy Efficiency as an Integral Part of the National Energy Strategy in Nepal
- Energy Efficiency in Households
- Dissemination of Energy Efficient Bio-mass Cooking Stoves
- Energy Efficiency in Industry

In order to achieve these aims NEEP is working closely together with its executing agency the Water and Energy Commission Secretariat (WECS) and its implementing partners Nepal Bureau of Standards & Metrology (NBSM), Nepal Electricity Authority (NEA), Federation of Nepalese Chambers of Commerce and Industry (FNCCI) and the Alternative Energy Promotion Center (AEPCC).

## Cooperation Partners

### Stakeholder



Water and Energy Commission Secretariat (WECS)



Nepal Bureau of Standards & Metrology (NBSM)



Nepal Electricity Authority (NEA)

### Supported by



Forum for Protection of Consumers Interest (FPCI)



Him Electronics



Philips, Nepal

For further information please contact:



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**Energy Efficiency  
Labels**

**Nepal Energy Efficiency Programme  
NEEP**



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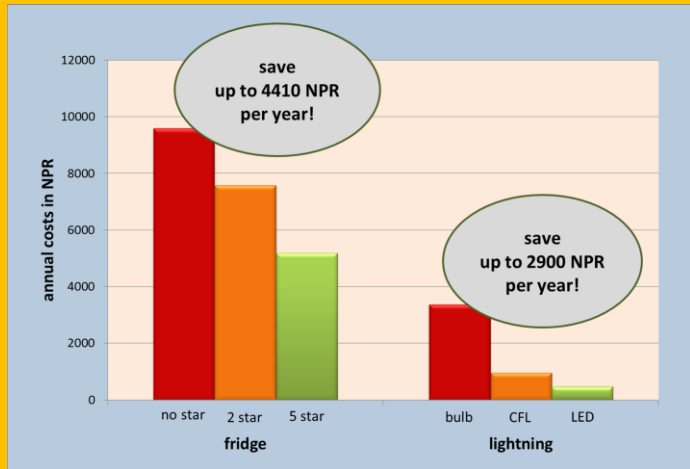
# ENERGY EFFICIENCY – LABELS

## Why energy efficiency?

All electrical appliances like fridges, lighting or water pumps in your household need electrical energy for their operation. The more energy you use each month the higher your electricity bill will be.

You can reduce your monthly electricity cost by using energy efficient devices.

These devices use substantially less energy than conventional devices while serving the same purpose.



By using energy efficient products you can not only save money but also contribute to the reduction of load shedding, increase of economic growth and protection of environment.

All calculations are based on an electricity price of 7.3 NPR/kWh.

## Energy Labels help you to make the right choice!

With energy labels like the one below you can immediately see how much energy the appliance needs.

Example for the Indian energy label from the Bureau of Energy Efficiency (BEE):

The stars highlighted in color indicate the star ranking-  
The more stars, the more efficient!

**POWER SAVINGS GUIDE**

**ELECTRICITY CONSUMPTION**  
**580\***  
**UNITS PER YEAR**

Yearly Energy consumption  
The lower the consumption, the more you can save!

Explanation of appliance, brand model and year of manufacturing

Appliance	: Refrigerator
Brand	: ABC
Model	: XYZ 270/2007
Type	: Frost Free
Gross volume	: 270 liters
Storage volume	: 260 liters

**BEE label as identification of authenticity**

## Different kind of labels



The Energy star label is an endorsement label, which indicates that the device fulfills set criteria of low energy consumption.



The Bureau of Energy Efficiency (BEE) in India implemented 2006 the Standard & Labeling Programme. Apart from the comparative label explained on the center fold BEE also includes an endorsement label. Many household appliances as fridges, TV etc. In Nepal are labeled from BEE.



Some appliances in Nepal are also labeled with the Thai energy efficiency label, which gives a ranking from numbers 1 to 5. The higher the number on the label, the more efficient the device is. It has the same criteria as the BEE label and can be found on electric rice cookers, fans and other small appliances. The label was already implemented in 1994.



The EU Energy Efficiency label uses a color scheme with the letters from A to D. The most efficient devices will get an A ranking. The label is not only used for household appliances but also for houses and cars. It gives detailed information on energy consumption and other ecological and technical features.