

Eleven steps for designated consumers to comply with the provisions of the Energy Conservation Act.

- Step 1: Each plant self-declares their specific energy consumption with respect to the product mix based on kWh electricity and kCal of fuel consumption. (recommendation of BEE)
- Step 2: Specific energy consumption compiled by BEE and sector analysed (recommendation of BEE)
- Step 3: The company may review their data online and update online as they wish. However the website keeps track of all updates. (recommendation by BEE)
- Step 4: As soon as a sufficient data base is available (50% of all firms in a sector), a comparison and colour coding of firms will be done to establish the performance bandwidth of the sector with respect to specific energy consumption. Since apples are compared with oranges there is a certain bias in the colour rating of gold, silver, bronze, and tin, with newer, larger plants being favored. (recommendation of BEE)
- Step 5: To take out some bias there is a second colour rating and scale of 1 to 10 which judges the efforts of a firm to reduce energy consumption according to the provisions of the law. (mandatory)
- Step 6: Based on the provisions of the Act the firm hires an accredited energy auditor and conducts an energy audit. (mandatory)
- Step 7: The self declared energy consumption data and plant configuration is validated by this audit and if necessary adjusted and reported online. (mandatory)
- Step 8: Furthermore the firm designates or assigns a certified energy manager in charge of implementing the firms energy conservation policy and energy conservation measures. (mandatory)
- Step 9: The firm selects technically sound and financially attractive looking recommendations from the energy audit report and prepares a detailed project report/ financial grade paper of selected measures.
- Step 10: The firm prepares a three year business plan to implement the selected recommendations within the financial means of the firm.
- Step 11: The energy manager of the firm reports on an annual basis progress on implementation as well as verified energy conservation and cost reduction. (mandatory)