

## 11 Steps for Designated Consumers to comply with Energy Conservation Act

The designated consumers are expected to follow the recommended 11 steps, comprising both -the voluntary and mandatory provisions.

1	Each plant has to self-declare its specific energy consumption with respect to the product mix based on kWh electricity and kCal of fuel consumption.
2	Specific energy consumption compiled by BEE and sector has to be analyzed.
3	The companies may review and update the data online as and when required. However, the website will keep track of all updates.
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.
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. <b>(Mandatory)</b>
6	Based on the provisions of the Act, the firm hires an accredited energy auditor and conducts an energy audit. <b>(Mandatory)</b>
7	The self declared energy consumption data and plant configuration is validated by this audit and if necessary adjusted and reported online. <b>(Mandatory)</b>
8	Furthermore, the firm designates or assigns a certified energy manager in charge of implementing the firm's energy conservation policy and energy conservation measures. <b>(Mandatory)</b>
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.
10	The firm prepares a three year business plan to implement the selected recommendations within the financial means of the firm.
11	The energy manager of the firm reports on an annual basis progress on implementation as well as verified energy conservation and cost reduction. <b>(Mandatory)</b>