

## IMPLEMENTATION OF THE PAT SCHEME

The Baseline study has been completed for the DC's who have been given SEC reduction target by March 2015. The SEC calculation is done on the principle of gate in -- gate out. The detailed elaboration is given at (Page 35 to 47 of PAT Rules:

[http://beeindia.in/schemes/documents/nmeee/pat/PAT\\_Rules\\_English.PDF](http://beeindia.in/schemes/documents/nmeee/pat/PAT_Rules_English.PDF)

The PAT rules "Energy consumption norms and standards for DC's are applicable on all DC's w.e.f. 30.03.2012, the date of publication of this gazette.

The designated consumer, within three months after the end of first or second year of the relevant cycle, may submit performance assessment document (PAD) in Form 'A' to the State designated agency, with a copy to the Bureau, for issuance of proportionate energy savings certificates covering the performance for a period of not less than one year from the date of notification specifying the energy consumption norms and standards, duly verified together with certificate in Form 'B' given by accredited energy auditor along with the documents mentioned in sub-rule (1).

1. The accredited energy auditor shall independently evaluate each activity undertaken by the designated consumer for compliance with the energy consumption norms and standards and entitlement or requirement of energy savings certificate, to ensure that they meet with the requirements of these rules.
2. The accredited energy auditor, in order to assess the correctness of the information provided by the designated consumer regarding the compliance with energy consumption norms and standards shall-
  - (a) Apply standard auditing techniques;
  - (b) Follow the rules and regulation framed under the Act;
  - (c) Integrate all aspects of verification, and certification functions;
  - (d) Make independent technical review of the opinion and decision of the verification team;
  - (e) also take into consideration, a situation where a particular activity may or may not form part of the activities related to the compliance with the energy consumption norms and standards, and the procedure for the assessment shall include:-

## **CHECK VERIFICATION:**

The Bureau shall invite applications from the firms, companies and other legal entities to undertake the work of verification and check-verification for the purpose of preparing a panel of such firms, companies and other legal entities.

1. The applications referred to above shall be accompanied by a certificate of registration or incorporation as the case may be.
2. The applications so received shall be scrutinized in accordance with the provisions of sub-rule(1) and a panel of eligible applicants shall be prepared which shall be displayed on the web site of the Bureau, that is, [www.bee-india.nic.in](http://www.bee-india.nic.in).
3. The selected applicants shall be issued a certificate of empanelment in support their selection to undertake the function of verification and check-verification as accredited energy auditor.
4. A unique identification number shall be issued to the accredited energy auditors.
5. After completion of the check-verification, the accredited energy auditor shall submit the check-verification report, together with the certificate in Form-'C', to the Bureau.

## **ESCerts:**

The exact number of energy savings certificates to be issued to the designated consumer and the entitlement for such energy savings certificates after determining by the following formula:

- i) for thermal power plant sector:

Number of energy savings certificates=(heat rate notified for the target year— heat rate as achieved in the target year) X production in the baseline year in million kwh/10

- (ii) for other sectors:

Number of energy savings certificates = (specific energy consumption notified for the target year — specific energy consumption as achieved in the target year) X production in the baseline year

### **Compliance of energy consumption norms and standards.-**

The designated consumer for the purpose of achieving the compliance with the energy consumption norms and standards during the target year, in the relevant cycle shall take the following action and after completing the said action, furnish the status of compliance to the concerned state designated agency with a copy to the Bureau in Form 'D' by the end of five months from the last date of submission of Form 'A'-

- (a) By implementation of energy conservation and energy efficiency improvement measures or;
- (b) Where the measures implemented in terms of clause (a) are found inadequate for achieving compliance with the energy consumption norms and standards, the designated consumer shall purchase the energy savings certificates equivalent in full satisfaction of the shortfall in the energy consumption norms and standards worked out in terms of metric ton of oil equivalent.

### **Establishment of new baseline for next cycle (Post March 2015).-**

The energy consumption norms and standards achieved by the designated consumer on the completion of the target year, as mentioned in the compliance report in Form-'D' shall be the baseline for establishment of new plant specific energy consumption norms and standards for designated consumers for the next cycle.