

Present Scope of the Boundary Metering and Transmission level Energy Audit Project

A. ABT Type meters are to be installed at following points under this project:

1. **Interstate Points:** Check meters on each interstate points where ABT meters are already installed
2. **Generating Plants in Punjab:**
For the purpose of measuring/ calculating Energy Sent Out (ESO) Main & Check meters on all outgoing feeders from the Generating plant switchyard at any voltage level. Back up meter on each generating unit and station transformer.
3. **PSTCL substations:**
ABT meters on the LV side of following Power Transformers:
 - 66 kV side of 220/66 kV or 132/66 kV transformers.
 - 33/11 kV side of 132/33kV or 132/11 kV transformers.
4. **Independent Consumers Feeders:** Main meters for all the independent consumers of PSPCL above 66kV i.e. at 132kV, 220kV & 400kV (if any)

B. CEM (Conventional Energy Meters are to being installed at following points under this project:

CEM meters are being installed on each node of 400kV, 220kV & 132kV transmission network where Existing Meters (called E-CEMs in this project) are not available/ not already provided e.g. Transmission lines at 400kV, 220kV and 132kV at each end, HV side of Transformers where ABT meters are installed on LV side as stated above, 220KV & 132kV Capacitor banks, etc.