

Requirements for Real Time Data Communication from IPP/ CPP station to LD Centres

As per Electricity Act 2003 and IEGC Regulations No. L-1/18/2010-CERC dated 28th Apr.2010, all IPP/ CPP/RE Generators stations have to make real-time data available at SLDC Kalwa/ALDC Ambazari. The requirements for data visibility and interfacing requirements at SLDC Kalwa/ ALDC Ambazari are as detailed below.

- 1) The Remote Terminal Unit under the proposed scheme shall be capable of communication with LD Centres in IEC-104 Protocol.
- 2) Communication media such as BSNL/MTNL leased circuit, MPLS, TATA Communication, Reliance Communication, VSAT etc. with latency less than 800 ms may be used for data transmission. The typical bandwidth requirement for real-time data communication is 64 Kbps and depends upon data volume.
- 3) IPP/ CPP/RE Generators shall submit request letter along with Single Line Diagram of their plant area to SLDC for data points. SLDC will issue list of data points to be transmitted from IPP/ CPP/ RE Generators station in real time mode.
- 4) IPP/ CPP/RE Generators shall submit complete proposal along with schematic diagram for RTU installation and data communication with LD Centres with the above confirmations/clarifications for approval by this office.
- 5) Integration of IPP/ CPP/RE Generators station data into the SCADA systems at SLDC Kalwa & ALDC Ambazari on IEC 104 protocol.
- 6) Completion of all above is under the scope and responsibility of IPP/ CPP/RE Generators Station.
- 7) SCADA system provided at nearest substation of MSETCL is only for the purpose of monitoring/control of IPP/ CPP/RE Generators data/operations at local level and do not cover the scope of visibility of real-time data at SLDC Kalwa/ ALDC Ambazari.
- 8) Integration of Real time data from RTU of any make in IEC-104 Protocol is to be done in SLDC SCADA system. The work of integration will be carried out by M/s Siemens. In order to carry out integration work, MSLDC has approved the rates of integration to be paid by third party vendor to M/s Siemens. The rate for integration of one RTU in SLDC-SCADA system is Rs. 3.25 Lakhs per RTU (Rs. Three Lakhs Twenty-Five Thousand Only) plus GST at the rate 18 percent with effect from June-2023 for the period of 2.5 years.