GUIDELINES FOR PROVIDING TELEMETRY DATA AND COMMUNICATION
SYSTEM AT SLDC, HEERAPURA, JAIPUR

The following guidelines shall be adopted by those who are applying for Grid connectivity to provide telemetry data and communication system to SLDC, Heerapura, Jaipur:

DOCUMENTS TO BE FURNISHED WHILE APPLYING:

a) Single line Diagram
b) Block diagram indicating information flow with brief details of each element

INFORMATION TO BE PROVIDED AT ACTUAL PORT:
(Data to be provided on two communication channels on real time basis)

a) Meter readings:
   1) Power flow (both active and reactive)
   2) Voltage
   3) Frequency
b) Status of Circuit Breaker
c) Status of Isolator (Optional)
ANNEXURE-A

INFORMATION REQUIRED FOR PREPARATION OF DATA BASE

1. Details of Lines: -
   (a) Line Length
   (b) Conductor type
   (c) % R, %X of lines
   (d) Line Name

2. Details of Transformer
   (a) MVA capacity of All Transformer of your Stations.
   (b) Normal Tap Position/Tape type
   (c) %X

3. Details of your Generator/Unit: -
   (a) MVAR Minimum/Maximum,
   (b) Inertia constant (MW-sec./MVA),
   (c) Maximum/Minimum/ Base MW of unit,
   (d) Upward and Downward Ramp rate MW/Min.
   (e) Rated MVA of unit.

4. Normal load (i.e. of radial feeders) and power factor

5. Connected CT ratio of all feeders, all generators and transformers.

6. The RTU & Protocol (i.e RTU Make, MF, Baud rate, data bits, link address max-min ASDU size, Raw Low-Raw High, Engg. Low-Engg-High)

7. The addressing pattern for all Analogs voltage, frequency, MW, MVAR & OLTC (i.e 220/132KV lines, all Transformers & generators) & Measured Value float.

8. The addressing pattern for all digital data (CB all feeders, transformers & reactors) & double point with mili seconds.

9. The addressing pattern for all digital data (Isolators of all feeders, transformers, reactors and bus couplers) & single point with mili seconds.

10. Latest Single line diagram of station.