

a. POWERGRID – ENTERPRISE RESOURCE PLANNING (ERP)

- i.** POWERGRID is implementing integrated Information System in form of Enterprise Resource Planning (ERP) system across the organization to ensure smooth operation through deployment of various resources (Man, Material, Machine etc.) in effective manner.
- ii.** The primary objective of setting up an integrated ERP system is to deploy state-of-the-art Information System across all aspects of POWERGRID's operation for the purpose of positioning the organization as an efficient and dynamic organization.
- iii.** ERP enables integration of different functional and geographically dispersed regions/sub-stations through cross-functional, process-oriented and virtually integrated enterprise. This results in improved decision making in day-to-day business transactions and reduction in transaction & coordination costs.
- iv.** POWERGRID is an organization with pan India presence, where different operations pertaining to the organization are carried out. Number of employees working in each office along with the anticipated volume of ERP transactions from each of these employees varies significantly. Extending reliable and secure LAN/WAN connectivity with high availability of all of these locations to the Data center is mandatory requirement for successful implementation of ERP system in POWERGRID.
- v.** All locations are required to be connected to ERP Data Centre at Manesar(Gurgaon) and DR Data Centre at Yelahanka (Bangalore).
- vi.** Telecom Department is responsible for providing required connectivity for implementation of ERP Project.
- vii.** The connectivity is primarily planned through POWERTEL's proposed MPLS network utilizing existing & proposed FO network of POWERGRID as well as fiber/bandwidth lease. Connectivity Scheme finalized.
- viii.** Presently, connectivity of 43 locations of SR- II & CC has been considered for pilot ERP implementation.
- ix.** The list and connectivity details for other Regions under finalization with ERP and Regions.