# GLOSSARY

## A.

ACDB: AC Distribution Board

ADM: Add/Drop Multiplexer

ADSS:  Aerial Dielectric Self Support

AMC: Annual Maintenance Contract

AMR: Automatic Meter Reading

ANSI: American National Standard Institute

API: Application Programming Interface

APS: Automatic Protection Scheme /Auxiliary Power Supply

ARP: Address Resolution Protocol

ASDU: Application Layer Service Data Unit

ASTM: American Society for Testing and Material

AT&C : Aggregate Technical and Commercial

## B.

BCU : Bay Controller Unit

BER: Bit Error Rate

BGP: Border Gateway Protocol

BoQ: Bill Of Quantity

Bps: Bits per Second

BSNL: Bharat Sanchar Nigam Ltd

## C.

CADD: Computer Aided Drafting & Design

CAZRI: Central Arid Zone Research Institute

CB: Circuit Breaker

**CDMA:  Code Division Multiple Access**

**CCTV: Closed Circuit Television**

**CD: Compact Disc**

**CE/FCC: European Union Mark Standard/Federal Communication Commission**

**CFE: Communication Frontend**

**CDPSM: Common Distribution Power System Model**

**CHAP: Challenge Handshake Authentication Protocol**

**CIM: Common Information Model**

**CIP: Critical Infrastructure Protection**

**CISC: Complex Instruction Set Computation**

**CPSM: Common Power System Model**

**CM: Common Mode**

**CMRs: Contact Multiplying Relay**

**CPU: Central Processing Unit**

**C&R: Control and Relay**

**CT/PT:  Current Transformer / Potential Transformer.**

**CV: Curriculum  Vitae**

# D.

**DAT: Digital Audio Tape**

**DC: Digital Control / Data concentrator**

**DCPS: DC Power Supply**

**DDE: Dynamic Data Exchange**

**DDF: Digital Distribution Frame**

**DI: Digital Input**

**DLP: Digital light Processing**

**DLF: Distribution Load Forecasting**

**DLMS: Device Language Message Specification**

**DM: Differential Mode**

**DMZ: Demilitarized  Zone**

**DNP: Distributed Network Protocol**

**DNS: Domain Name System**

**DO: Digital Output**

**DOD: Depth of Discharge**

**DRS: Data Requirement Sheet**

**DR: Data Recovery**

**DRS: Data Requirement Sheet**

**DS: Double Status**

**DTS: Dispatcher Training Simulator**

**DVD: Digital Video Disc**

**DT: Distribution Transformer**

**DWSM: Dual Window Single Mode**

**DXC: Digital Cross Connect**

**DXF: Drawing Exchange Format**

# E.

**EHV: Extra High Voltage**

**EMC: Electromagnetic Compatibility**

**EMD: Earnest Money Deposit**

**EMI: Electromagnetic Interference**

**EML: Element Management Layer**

**EN: European Standard**

**EOL: End of Life**

**EOW: Engineering Order Wire**

**EPIC: Explicitly Parallel Instruction Computing**

**ESB: Enterprise Service Bus**

**ESD: Electrostatic Discharge**

# F.

**FAT: Factory Acceptance Test**

**FC: Fiber Connector**

**FEP: Front End Processor**

**FO: Fiber Optic**

**FODPs: Fiber Optic Distribution Panel**

**FOTS: Fiber Optic Transmission System**

**FMS: Facility Management Service**

**FMSR: Fault Management and System Restoration**

**FPIs: Fault Passage Indicator**

**FPR: Field Problem Report**

**FRP: Fiber Reinforced Plastic**

**FRTUs: Feeder Remote Terminal Units**

**FSR: Field Service Report**

**FTP: File Transfer Protocol**

**FY: Financial Year**

# G.

**GA: General Arrangement**

**GB: Giga Byte**

**GCC :General Conditions of Contract**

**GIS: Geographical Information System**

**GoI: Government of India**

**GOMSFE: Generic Object Models for Substation and Feeder Equipment**

**GOOSE: Generic Object Oriented Substation Event**

**GPS: Global Positioning System**

**GPRS: General Packet Radio System**

**GUI: Graphical User Interface**

# H.

**HDLC: High Level Data Link Control**

**HDPE: High Density Poly Ethylene**

**HDR: Heavy Duty Delay**

**HI: Historical Information**

**HQ: Head Quarter**

**HTTP: Hypertext Transfer Protocol**

**HV: High Voltage**

# I.

**ICCP: Inter Center Control Protocol**

**ICCCM: Inter Client Communication Convention Manual**

**ICMP: Internet Control Message Protocol**

**IDRP: Inter Domain Routing Protocol**

**IEC: International Electro Technical Commission**

**IED: Intelligent Electronic Device**

**IEEE: Institute of Electrical and Electronics Engineer**

**IGMP: Internet Group Management Protocol**

**INR:  Indian Rupees**

**IPS: Intrusion Prevention System**

**IRIG: Inter Range Instrumentation Group**

**IS: Indian Standard**

**ISM: In Service Monitoring**

**ISO: International Organization for Standardization**

**ISR: Information Storage and Retrieval**

**IT: Information Technology**

**ITB: Instructions to Bidders**

**ITIL: Information Technology Infrastructure Library**

**ITUT: Telecommunication Standardization Section of the International Union**

# K.

**KVM: Keyboard Video Mouse**

# L.

**LAN: Local Area Network**

**LBFR: Load Balancing via Feeder Reconfiguration**

**LCD: Liquid Crystal Display**

**LDAP: Light Weight Directory Access Protocol**

**LDMS: Local Data Monitoring System**

**LDPE: Low Density Polyethylene**

**LED: Light Emitting Diode**

**LF: Load Flow**

**LFA: Load Flow Application**

**LMFR: Loss Minimization via Feeder Reconfiguration**

**LOA: Letter of Award**

**LSA: Load Shed Application**

# M.

**MAR: Multi Access Radio**

MAT: Maximum Allowable Tension

MB: Mega Byte

MCB: Miniature Circuit Breaker

MCCB: Molded Case Circuit Breaker

MCD: Momentary Change Deduction

MCPC: Multiple Channels per Carrier

MFTs: Multifunction Transducers

MIB: Management Information Base

MIS: Management Information System

MLLN: Managed Leased Line Network

MMI: Man Machine Interface

MO: Magneto Optical

MODBUS: A Protocol

MOP: Ministry Of Power

MPLS: Multiprotocol Label Switching

MQP: Manufacturing Quality Plan

MTBF: Mean Time between Failures

MTNL: Mahanagar Telephone Nigam Ltd

MTS: Model Technical Specification

MTTR: Mean Time to Repair

MWT: Maximum Working Tension

# N.

NABL: National Accredited Board for Testing and Calibration Laboratory

NAT: Network Address Translation

NC: Normally Closed

NCA: Network Connectivity Analysis

**NE: Network Element**

**NEMA: National Equipment Manufactures Association**

**NERC: North American Electric Reliability Corporation**

**NMS: Network Management System**

**NML: Network Management Layer**

**NO: Normally Open**

**NSPOF: No Single Point of Failure**

**NTP: Network Time Protocol**

**NTSC: National Television System Committee**

# O.

**OEM: Original Equipment Manufacture**

**OLTC: On Load Tape Changing**

**OM: Operation Monitor**

**OPC: Open Connectivity**

**OS: Operating System**

**OSI: Open System Interconnection**

**OSPF: Open Shortest Path First**

**OTDR: Optical Time Domain Reflect meter**

# P.

**PAL: Phase Alternating Line**

**PAP: Password Authentication Protocol**

**PC: Physical Connector/ Personal Computer**

**PIM-SM: Protocol Independent Multicast-Sparse Mode**

**PLBHDPE: Permanently Lubricant High Density Polyethylene**

**POSIX: Portable Operating System**

**PPM: Parts per Million**

**PPP: Point to Point Protocol**

# Q.

**QA: Quality Assurance**

**QC: Quality Check/Quality Control**

**QR: Qualifying Requirements**

# R.

**RADIUS: Remote Authentication Dial in User Service**

**RAID: Redundant array of independent disks**

**RAM: Random Access Memory**

**R-APDRP: Restructured Accelerated Power Development and Reforms Programme**

**RBI: Reserve Bank of India**

**RDBMS: Relational Database Management System**

**RED: Random Early Detection**

**RFC: Request for Comments**

**RfP: Request for Proposal**

**RIP: Routing Information Protocol**

**RISC: Reduce Instructions Set for Computation**

**RMU: Ring Main Units**

**RTD: Resistance Temperature Detector**

**RTDB: Real Time Database**

**RTU: Remote Terminal Unit**

# S.

**SAT: Site Acceptance Test**

**SCADA/DMS: Supervisory Control and Data Acquisition/Distribution Management System**

**SCBO: Select Check Before Execute Operate Sequence**

**SCC: Special Conditions of Contract**

**SCPC: Single Channel per Carrier**

**SCSI/SAS: Small Computer System Interface/Serial Attached SCSI.**

**SDB: Source Database**

**SDC: SCADA/DMS Consultant**

**SDH: Synchronous Digital Hierarchy**

**SE: State Estimator**

**SECAM: Sequential Color with Memory**

**SIA: SCADA Implementation Agencies**

**SLA: Service Level Agreement**

**SLDC: State Load Dispatch Center**

**SMF: Service Management Facility**

**SMPS: Switch Mode Power Supply**

**SNCP: Sub Network Connection Protection**

**SNMP: Simple Network Management Protocol**

**SNTP: Simple Network Time Protocol**

**SOA: Service Oriented Architecture**

**SOE: Sequence of Events**

**SQL: Structured Query Language**

**SS: Single Status**

**SSO: Single Sign On**

**STLF: Short Term Load Forecasting**

# T.

**TAs: Technological Address**

**TACACS: Terminal Access Controller Access Control System**

**TASE: Tele Application Service Element**

**TBs: Terminal Blocks**

**TCP/IP: Transmission Control Protocol/Internet Protocol**

**TEC: Telecommunication Engineering Center**

**TFT: Thin Film Transistor**

**THD: Total Harmonic Distortion**

**THQ: Total Hours in Quarter**

**TM: Terminal Multiplexer**

**TMN: Telecom Network Management System**

**TPC: Transaction Processing Council**

**TPIEA: Third Party Independent Evaluating Agency**

# U.

**UCA: Utilities Communication Architecture**

**UDP: User Datagram Protocol**

**UHF: Ultra High Frequency**

**UPS: Uninterruptible Power Supply**

**URL: Uniform Resource Locator**

**USB: Universal Serial Bus**

**USD: US Dollars**

**UTC: Universal Time Coordination**

**UTS: Ultimate Tensile Strength**

# V.

**VDU: Visual Display Unit**

**VHF: Very High Frequency**

**VLAN: Virtual Local Area Network**

**VPN: Virtual Private Network**

**VPS: Video Protection System**

**VRLA: Value Regulated Lead Acid**

**VVC: Voltage VAR Control**

# W.

**WAN: Wide Area Network**

# X.

**XML: Extensible Markup Language**