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