

# SRS Document

***Index :***

***Technical Specification Sections***



**TAMIL NADU ELECTRICITY BOARD**  
**SRS DOCUMENT FOR APPOINTMENT OF IT IMPLEMENTATION AGENCY**

**Section - G1 :: General Technical requirements**

Sl. No.	Title	Page No. / Section No.
1	Introduction	2 of G1
2	Intent of specification	2 of G1
3	Scope of work	3 of G1
4	Other Services and Items	13 of G1
5	Specific Exclusions	15 of G1
6	Utility's Current IT Infrastructure	16 of G1
7	Arrangement by the Contractor	16 of G1
8	Software tools	16 of G1
9	Warranty, operational guarantee and system reliability with 'on-site' support	16 of G1
10	Annual Maintenance Contract	18 of G1
11	Price Loading for Evaluation of Bids	18 of G1
12	Payment terms	18 of G1
13	Project synopsis	18 of G1
14	Bid Schedule	18 of G1
15	Basic reference drawings	18 of G1
16	Spares	18 of G1
17	Time schedule	19 of G1
18	Implementation schedule	19 of G1
19	Quality assurance plan	19 of G1
20	Qualifying requirements	19 of G1



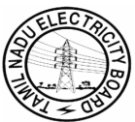
**TAMIL NADU ELECTRICITY BOARD**  
**SRS DOCUMENT FOR APPOINTMENT OF IT IMPLEMENTATION AGENCY**

<b>Section - G2 :: Technical specification requirements for Application Packages</b>		
Sl. No.	Title	Page No. / Section No.
	<b>Part-A - Essentially Required by most Utilities for setting up an IT backbone for collection of baseline data, Energy Accounting / Auditing and establishment of Customer care centers</b>	
1	Introduction	3 of G2
2	System Functionality	6 of G2
3	Module : Meter Data Acquisition	11 of G2
4	Module : Energy Audit	31 of G2
5	Module : New Connection	34 of G2
6	Module : Disconnection & Dismantling	39 of G2
7	Module : GIS based customer Indexing and asset mapping	42 of G2
8	Module : GIS based integrated network analysis module	84 of G2
9	Module : Centralized Customer Care Services	103 of G2
10	Module : Management Information System (MIS)	132 of G2
11	Module : Web Self Service	141 of G2
12	Module : Identity and Access Management system	144 of G2
13	Module : System Security Requirement	158 of G2
	<b>Part-B - Requirement based implementation of Commercial Processes like M,B,C for Utilities, who do not have such IT enabled systems</b>	
14	Development of Commercial Database of Consumers	164 of G2
15	Module : Metering	166 of G2
16	Module : Billing	172 of G2
17	Module : Collections	182 of G2
	<b>Part-C - Other Optional Application Packages</b>	
18	Module: Asset Management	186 of G2
19	Module: - Maintenance Management	192 of G2



**TAMIL NADU ELECTRICITY BOARD**  
**SRS DOCUMENT FOR APPOINTMENT OF IT IMPLEMENTATION AGENCY**

<b>Section - G3 :: Technical specification requirements for Hardware system</b>		
<b>Sl. No.</b>	<b>Title</b>	<b>Page No. / Section No.</b>
1	Introduction	3 of G3
2	LAN	4 of G3
3	VPN/MPLS WAN	6 of G3
4	Implementation Plan	11 of G3
5	Cabling System and Component Specifications	16 of G3
6	Switches	22 of G3
7	Mail / Messaging System	32 of G3
8	Firewalls and NIDS System	35 of G3
9	Servers	38 of G3
10	Storage & Backup Subsystem	48 of G3
11	Enterprise Management System including Network Management, Monitoring & Network Performance Analysis	55 of G3
12	Routers	68 of G3
13	IP PBX and IP Phones	72 of G3
14	Anti Virus Solution	74 of G3
15	Hardware for AMR based Data Logging System	84 of G3
16	Hardware for customer care center related equipment	88 of G3
17	Spot Billing Machine	89 of G3
18	Work Station	93 of G3
19	Printers	97 of G3
20	IDMS & Kiosks	99 of G3
21	Table and chair	100 of G3
22	UPS & Battery system	100 of G3
23	Disaster Recovery Center	106 of G3



**TAMIL NADU ELECTRICITY BOARD**  
**SRS DOCUMENT FOR APPOINTMENT OF IT IMPLEMENTATION AGENCY**

**Section - G4 :: Technical specification requirements for DGPS Survey, Consumer indexing and Asset mapping**

Sl. No.	Title	Page No. / Section No.
1	Introduction	2 of G4
2	Objectives	2 of G4
3	Scope of work	3 of G4
4	Field survey & mapping	4 of G4
5	Indexing	5 of G4
6	Deliverables	5 of G4
7	Implementation methodology	6 of G4
8	Satellite Imagery Specifications	12 of G4

**Section - G5 :: Facility Management Services (FMS)**

1	Introduction	2 of G5
2	Duration & payments	2 of G5
3	Penalty clause	2 of G5
4	Qualifying requirements of FMS vendor	2 of G5
5	Scope of work	2 of G5
6	Service management controls	12 of G5
7	Resources for project & service management	18 of G5
8	FMS duration, availability & criticality	20 of G5
9	Change of Service levels	20 of G5

**Section - G6 :: Annexure to Technical Specifications**

1	Annexure- A (Geographical Particulars along with Assets and Customer information)	2 of G6
2	Annexure- B (Tentative List of Customer Types)	3 of G6
4	Annexure- C ( LT customer information )	6 of G6
5	Annexure- D (Electrical Symbols & attributes)	9 of G6
6	Annexure- E (Land based features)	15 of G6
7	Annexure- F (Typical List of Meter reading exceptions)	16 of G6
8	Annexure- G (Implementation schedule)	18 of G6
9	Annexure- H (Project Synopsis and Geographical Scope)	19 of G6

