

15. Change Management and Update Policy

Vendors are requested to prepare a policy of change management and future upgradation of system to foster the system maintenance more easily and accurately. The policy shall include the instructions and explanation of all possible upgradation path; adaption requirements and guidelines of any operational and technical change.

16. Conclusion

WZPDCL is trying to ensure faster, systematic and much higher consumer service delivery by introducing a faster, robust, secure, tamper-proof, efficient meter reading, bill processing cycle management technology framework. WZPDCL expect that the vendor will complete this project in time and help to serve the nation.

6.1.4 The major scopes: Major Scopes are described below:

Sl. No.	Description of Items	Unit of Measurement	Quantity
Part-A: Upgradation of Existing Smart Metering System & Development of Web based Post-paid Billing Software			
1	MDMS development	Lot	01
2	Data Migration	Lot	01
3	Support Service as per specification	Lot	01
4	Development of Web based Post-paid Billing Software	Lot	01
Part-B: Passive Infrastructure Solution			

Sl. No.	Description of Items	Unit of Measurement	Quantity
1.0	NOC & SOC Room Buildup (Including the following materials)	Lot	01
1.1	Video Wall Panel	Nos	18
1.2	Video wall Processor	Nos	02
1.3	HDMI Matrix Switcher	Nos	02
1.4	Control System	Nos	02
1.5	20 m True 4K HDMI Active Optical Cable	Nos	28
1.6	Operator PC	Nos	12
1.8	23.8 Inch Monitor with Dual Arm Desk Mount Stand	Nos	24
1.9	HDMI Splitter	Nos	12
1.10	Network PoE Switch	Nos	02
1.11	15U AV Rack	Nos	02
1.12	Accessories	Nos	02
1.13	Operator Table	Nos	12
1.14	Operator Chair	Nos	12
2.0	Raised Floor System (Including the following materials)	Lot	1
2.1	Raised Floor	SFT	850
2.2	Steel Ventilation Perforated Panel	SFT	40
2.3	Air Grommet	SFT	10
2.4	Panel Lifter	Nos	02
2.5	Thermal Insulation under Raised floor	SFT	850
3.0	Electrical Cable (Including the following materials)	Lot	1
3.1	Main Incoming Cable LT Panel to PCD to AVR to MDB	Meter	800
3.2	Cable For UPS In/Out (80kVA)	Meter	320
3.3	Cable For Precision AC	Meter	230
3.4	Cable For Industrial Socket	Meter	550
3.5	Cable from MDB to Mechanical DB	Meter	80
3.6	Cable from MDB to Utility DB	Meter	80
3.7	Cable for UPS Grounding	Meter	50
3.8	Cable for PAC Grounding	Meter	50
3.9	Bonding Cable	Coil	3

Sl. No.	Description of Items	Unit of Measurement	Quantity
3.10	Earth Continuity Conductor	Coil	5
3.11	Cable For Combo Socket	Coil	8
3.12	Cable For Light and Others	Coil	10
3.13	Cable Ladder/Tray for Electrical Cable	RFT	350
3.14	Accessories for Electrical works	Lot	1
4.0	Distribution Board (DB) (Including the following materials)	Lot	1
4.1	Data Center Main Distribution Board (MDB)/ AVR Output DB	PCS	2
4.2	Data Center UPS Output DB	PCS	2
4.3	Data Center Mechanical DB	PCS	2
4.5	Data Center Utility DB	PCS	2
5.0	Earthing System (Including the following materials)	Set	1
5.1	Earthing Materials	Set	1
5.2	Earthing Cable from Earth Pit to Data Center	Meter	240
6.0	LPS (Lightning Protection System)	Set	1
7.0	Signal Reference Grid (SRG)	Set	1
8.0	SPD (Surge Protection Device)	Nos	06
9.0	80KVA Online UPS 30Min Backup for Critical IT Load	Set	2
10.0	20KVA Online UPS 30Min Backup for Non Critical Load	Set	1
11.0	300kVA Phase Correction Device	Nos	02
12.0	250kVA Automatic Voltage Regulator (AVR)	Nos	02
13.0	275 KVA Generator including ATS and other Accessories	Set	1
14.0	Rack Mount ATS/STS - 16A	Nos	04
15.0	Conduit Work	Lot	1
16.0	Lighting System	Lot	1
17.0	Switch Socket and Socket Outlet	Lot	1
18.0	Industrial Socket (Two different source)	Lot	1
19.0	Structured Cabling (Including the following materials)	Lot	1
19.1	CAT6A UTP Cable	Box	30
19.2	CAT6A Copper Patch Panel	Nos	18

Sl. No.	Description of Items	Unit of Measurement	Quantity
19.3	3 Meter CAT6A Patch Cord	Nos	192
19.4	5 Meter CAT6A Patch Cord	Nos	192
19.5	Wire Manager	Nos	32
19.6	High Density Fiber Patch Panel	Nos	16
19.7	MPO Module	Nos	32
19.8	Fiber Patch Panel	Nos	02
19.9	5 Meter SM Fiber Patch Cord	Nos	24
19.10	3 Meter OM4 Fiber Patch Cord	Nos	192
19.11	5 Meter OM4 Fiber Patch Cord	Nos	192
19.12	35 Meter Fiber Optic Trunk	Nos	04
19.13	10 Meter Fiber Optic Trunk	Nos	04
19.14	8 Meter Fiber Optic Trunk	Nos	04
19.15	6 Meter Fiber Optic Trunk	Nos	08
20.0	Containment & Rack with PDU (Including the following materials)	Lot	1
20.1	Intelligent-PDU	Nos	20 s
20.2	IP-KVM Switch	Nos	04
21.0	DCIM, BMS and EMS (Environment Monitoring System) (Including the following materials)	Nos	01
21.1	Temperature and Humidity Sensor	Nos	05
21.2	Door Contact Sensor	Nos	02
21.3	Water Detector	Nos	03
21.4	GSM Modem	Nos	01
21.5	Accessories	Lot	1
22.0	Fire Detection and Suppression System (Including the following materials)	Lot	1
22.1	Gas Cylinder for Server Room	Lot	1
22.2	Gas Cylinder for Power Room	Lot	1
22.3	Fire Extinguishing Panel	Nos	01
22.4	Smoke Detector	Nos	08
22.5	Heat Detector	Nos	08
22.6	Alarm Bell	Nos	02

Sl. No.	Description of Items	Unit of Measurement	Quantity
22.7	Rotating Light	Nos	02
22.8	Manual release switch/Call Point	Nos	02
22.9	Exit sign	Nos	02
22.10	Caution Sign,	Nos	02
22.11	Gas Discharge Sign	Nos	02
22.12	Discharge Nozzles	Nos	08
22.13	Manual Handheld extinguisher	Nos	02
22.14	MS Seamless pipes	Lot	1
22.15	Electrical Fittings	Lot	1
23.0	Vesda System (Including the following materials)	Set	2
23.1	Sampling Pipe and All Accessories	Lot	1
24.0	Rodent Repellent System (Including the following materials)	Set	1
24.1	Master Controller	Set	1
24.2	Transducer	Nos	10
24.3	Accessories	Lot	1
25.0	IPCAM & Surveillance Solution (Including the following materials)	Lot	1
25.1	4MP Bullet Camera	Nos	15
25.2	4MP Dome Camera	Nos	05
25.3	32-ch NVR	Nos	01
25.4	Network PoE Switch	Nos	01
25.5	CAT6 UTP Cable	Box	02
25.6	RJ45 Connector	Nos	50
25.7	Accessories	Lot	1
26.0	Access Control Solution (Including the following materials)	Lot	1
26.1	Access Terminal for Entry	Nos	07
26.2	Access Terminal for Exit	Nos	07
26.3	Network PoE Switch	Nos	01
26.4	CAT6 UTP Cable	Box	01
26.5	RJ45 Connector	Nos	30

Sl. No.	Description of Items	Unit of Measurement	Quantity
26.6	Management PC	Nos	01
27.0	Precision AC	Nos	03
28.0	Confort Air Condition (Including the following materials)	Lot	1
28.1	Power Room (1W+1S)	Nos	02
28.2	NOC Room (1W+1S)	Nos	02
28.3	SOC Room (1W+1S)	Nos	02
28.4	AC Control Panel	Nos	03
28.4	Accessories	Lot	6
29.0	Dehumidifier	Nos	04
30	Foreign Training for 7 Days for 07 Person	MM	1.63
31	Local Training	MM	1.66

6.1.5 Part-C: Active Solution

Sl No.	ITEMS DESCRIPTION	Unit	Quantity
Part-C: Active Solution			
1	WAN Switch	Nos	4
2	Core Router	Nos	2
3	Core Firewall	Nos	2
4	Internet Router	Nos	2
5	Internet Firewall	Nos	2
6	Partner Router	Nos	2
7	Partner Firewall	Nos	2
8	Spine and Core Switch	Nos	2
9	SDN Controller	Nos	1
10	Leaf Switch	Nos	2
11	IPN Switch	Nos	2
12	Storage	Nos	1
13	Database Server	Nos	2
14	Application Server	Nos	7
15	SAN Switch	Nos	2
16	Management Firewall	Nos	2
17	Management Switch	Nos	2
18	Anti DDoS Solution	Nos	2
19	Web Application Firewall with LB	Nos	2
20	Backup Solution	Set	1
21	Virtualization Solution	Nos	1
22	Operating System_(Windows Server)	Nos	7
23	Disaster Recovery and Business Continuity Manager	Lot	1
24	EDR	Nos	150
25	Privileged Access Management (PAM)	Nos	1

26	NMS 150 node with 5 Laptop/MacBook	Set	1
27	Oracle License Renewal	Set	1
28	File Sandboxing	Nos	1
29	Secure Web Gateway	Nos	1
30	NDR	Nos	1
31	Network Threat Detection	Nos	1
32	Foreign Training for 7 Days for 07 Person	MM	1.63
33	Local Training	MM	1.66

6.1.6 Civil Work (DC Inside & Genertor room Buildup)

1	Civil Work (DC Inside & Genertor room Buildup)		
Sl	Description of Items	Unit	QTY
1	Site Preparation	Lot	1
2	Brick Works	Sft	4000
3	Plaster Works	Sft	8000
4	Floor Tiles	Sft	2600
5	Paint Works	Sft	11080
6	Epoxy Paint	Sft	2000
7	Glass Partition	SFT	200
8	Swing Glass Door	Nos	8
10a	Stair and Ramp for Data Center	Lot	2
10b	Mantrap and Ramp with landing platform for server room	Lot	1
11	Dry wall	Sft	800
12	Fire Rated Door	Nos	7
13	Air Sealing	Lot	1
14	Fire Rated Pathway	Lot	1
15	Generator Room Buildup	Lot	1