8. Schedule of Rates

8.1. Schedule A – Hardware Costs

Sr. No.	Material/Service SAP Master Code*	Description	UoM	Qty	Rate	GST %	Total
1.	TBC	SITC of Modem -Type 1 and related accessories	Nos.	3300			
2.	TBC	SITC of Modem – Type 2 and related accessories	Nos.	1000			
3.	TBC	SITC of Modem – Type 3 (with zone 1 certificate) and related accessories	Nos.	500			
4.	TBC	SITC of MIUs (Industrial and Commercial PD Meters) and related accessories	Nos.	1400			
5.	TBC	SITC of MIUs (Domestic PD Meters) and related accessories	Nos.	100			
6.	TBC	Type-1 RTU with accessories including redundant power supply, cabinet, CPU, memory, communication cards, chassis, power supply modulesetc.	Nos.	15			
7.	TBC	Type-2 RTU with accessories including redundant power supply, cabinet, CPU, memory, communication cards, chassis, power supply modules etc.	Nos.	920			
8.	TBC	4 port ethernet Managed network switch	Nos.	600			
9.	TBC	Pressure transmitter	Nos.	470			
10.	TBC	Workstation with related accessories and licenses including OS license, end point protection, productivity suite, etc.	Nos.	50			
11.	TBC	1 pair x 1 sq.mm FRLS armoured & screened RS-485 cable	Mtr.	1,17,000			
12.	TBC	4C x 1 sq.mm FRLS screened & armoured copper signal cable	Mtr.	34,500			
13.	TBC	FRPVC armoured CAT-6 cable	Mtr.	33,000			
14.	TBC	1C x 6 sq.mm FRLS armoured copper earth cable	Mtr.	30,000			
15.	TBC	3C x 1.5 sq.mm FRLS armoured copper power cable	Mtr.	28,000			

16.	TBC	3 pair x 0.5 sq.mm FRLS armoured & screened RS-485/232 cable with flexible/hard PVC conduit	Mtr.	20,000			
17.	TBC	1C x 2 sq.mm FRLS armoured copper earth cable	Mtr.	17,000			
18.	TBC	4C x 1 sq.mm FRLS armoured copper signal cable	Mtr.	11,000			
19.	TBC	Number of channels for IS Barriers	Nos.	3,850			
20.	TBC	Trenching	Mtr.	29,000			
21.	TBC	GI Conduit	Mtr.	75,000			
22.	TBC	Cable Trays	Mtr.	3,400			
23.	TBC	Protocol Converters	Nos.	100			
24.	TBC	Pulse Cable for PD Meters with magnetic interface	Nos.	700			
25.	TBC	Pulse Cable for PD Meters with inductive interface	Nos.	700			
26.	TBC	Analog Input Points	Nos.	1200			
27.	TBC	Analog output points	Nos.	35			
28.	TBC	Digital Input points	Nos.	350			
29.	TBC	Digital Output points	Nos.	50			
30.	TBC	SCADA, AMI and CMP software customization	LS.	1			
31.	TBC	Cloud setup cost	LS.	1			

8.2. Schedule B – Recuring Costs and ARC

8.2.1. Schedule B1 – Recuring Costs

Sr. No.	SAP master code	Description	UoM	Qty	Yearly Rate
1	TBC	Comprehensive O&M of Modem (Type 1, Type 2 and Type 3) and related accessories	Yearly	4800	
2	TBC	Comprehensive O&M of MIU (Industrial, commercial and domestic) and related accessories	Yearly	1500	

Sr. No.	SAP master code	Description	UoM	Qty	Yearly Rate
3	TBC	Cloud hosting charges - **AMI software** (excluding DR) as per Qty. (Nodes)	Yearly	5800	
4	TBC	Cloud hosting charges - **AMI software** for DR as per Qty. (Nodes)	Yearly	5800	
5	TBC	AMI Mobile application User License (Android & iOS)	Yearly	130	
6	TBC	AMI Web Application User License	Yearly	65	
7	TBC	SIM (Single SIM with multi network / Dual SIM) Communication charges per Modem and MIU	Yearly	7700	
8	TBC	Cloud hosting charges - **CMP** (excluding DR)	Yearly	94	
9	TBC	Cloud hosting charges - **CMP** for DR	Yearly	94	
10	TBC	**CMP** Web Application User License	Yearly	94	
11	TBC	**CMP** Mobile application User License (Android & iOS)	Yearly	94	
12	TBC	Cloud hosting charges - SCADA (excluding DR) as per Qty. (Nodes)	Yearly	2000	
13	TBC	Cloud hosting charges - SCADA for DR as per Qty. (Nodes)	Yearly	2000	
14	TBC	SCADA Web Application User License	Yearly	65	
15	TBC	SCADA Thick client user License	Yearly	50	
16	TBC	SCADA Mobile application User License (Android & iOS)	Yearly	130	
17	TBC	Comprehensive O&M of Type 1 RTUs with accessories	Yearly	15	
18	TBC	Comprehensive O&M of Type 2 RTUs with accessories	Yearly	920	
19	TBC	Comprehensive O&M of Pressure Transmitter	Yearly	470	
20	TBC	Comprehensive O&M of Managed Ethernet Switch	Yearly	600	
21	TBC	Comprehensive O&M of IS Barriers	Yearly	3850	
22	TBC	Comprehensive O&M of Protocol Converter	Yearly	100	
23	TBC	Comprehensive O&M of Workstations	Yearly	50	

8.2.1. Schedule B2 – Annual Rate Contract Costs

Sr. No.	SAP master code	Description	UoM	Qty	Year 1 rate	Year 2 rate	Year 3 rate	Year 4 rate	Year 5 rate
1.	TBC	SITC of additional Modem (Type 1) with accessories	EA	50					
2.	TBC	SITC of additional Modem (Type 2) with accessories	EA	50					
3.	TBC	SITC of additional Modem (Type 3) with accessories	EA	30					
4.	TBC	SITC of additional MIUs with accessories	EA	150					
5.	TBC	Comprehensive O&M of additional Modem (Type 1, Type 2 and Type 3) with accessories	EA	130					
6.	TBC	Comprehensive O&M of additional MIUs with accessories	EA	150					
7.	TBC	Removal of Modem/MIU along with all associated hardware	EA	10					
8.	TBC	Reinstallation of Modem/MIU along with all associated hardware	EA	10					
9.	TBC	SITC of additional Type 2 RTUs with accessories	EA	50					
10.	TBC	Comprehensive O&M of additional Type 2 RTUs with accessories	EA	50					
11.	TBC	SITC of additional managed 4-port managed ethernet switches	EA	25					
12.	TBC	Comprehensive O&M of additional managed 4-port managed ethernet switches	EA	25					
13.	TBC	Removal of Type 2 RTUs along with all associated hardware	EA	20					
14.	TBC	Reinstallation of Type 2 RTUs along with all associated hardware	EA	20					
15.	TBC	1 pair x 1 sq.mm FRLS armoured & screened RS-485 cable	Mtr	7,000					
16.	TBC	4C x 1 sq.mm FRLS screened & armoured copper signal cable	Mtr	3,000					

Sr. No.	SAP master code	Description	UoM	Qty	Year 1 rate	Year 2 rate	Year 3 rate	Year 4 rate	Year 5 rate
17.	TBC	FRPVC armoured CAT-6 cable	Mtr	2,100					
18.	TBC	1C x 6 sq.mm FRLS armoured copper earth cable	Mtr	1,000					
19.	TBC	3C x 1.5 sq.mm FRLS armoured copper power cable	Mtr	1,000					
20.	TBC	3 pair x 0.5 sq.mm FRLS armoured & screened RS-485/232 cable with flexible/hard PVC conduit	Mtr	200					
21.	TBC	1C x 2 sq.mm FRLS armoured copper earth cable	Mtr	1,500					
22.	TBC	4C x 1 sq.mm FRLS armoured copper signal cable	Mtr	1,000					
23.	TBC	Number of channels for IS Barriers	Nos.	200					
24.	TBC	Trenching	Mtr.	1500					
25.	TBC	GI Conduit	Mtr.	4000					
26.	TBC	Cable Trays	Mtr.	200					
27.	TBC	Protocol Converters	Nos.	5					
28.	TBC	Pulse Cable for PD Meters with magnetic interface	Nos.	130					
29.	TBC	Pulse Cable for PD Meters with inductive interface	Nos.	20					
30.	TBC	Analog Input Points	Nos.	100					
31.	TBC	Digital Input points	Nos.	25					

Sr. No.	SAP master code	Description	UoM	Qty	Year 1 rate	Year 2 rate	Year 3 rate	Year 4 rate	Year 5 rate
32.	TBC	SITC of additional Pressure Transmitter	Nos.	50					
33.	TBC	Comprehensive O&M of additional Pressure Transmitter	Nos.	50					

8.3. Schedule C – One Time Costs

1	TBC	Integration of new make of EVC with AMI System	EA	5	
2	TBC	Integration of new make of PD Meter with AMI System	EA	5	
3	TBC	AMI System Integration with SAP ECC	EA	1	
4	TBC	AMI System Integration with SAP S4 HANA	EA	1	
5	TBC	AMI System Integration with SCADA	EA	1	
6	TBC	AMI System Integration with CMP	EA	1	
7	TBC	AMI System Integration with GIS	EA	1	
8	TBC	AMI System Integration with CRM	EA	1	
9		AMI System Integration with GEL Middleware / ESB	EA	1	
10	TBC	AMI System Integration with other GEL software	EA	1	
11	TBC	One time driver development cost for makes of EVCs as per Annexure B	Nos.	5	
12	TBC	SCADA system integration with CMP	EA	1	
13	TBC	SCADA system integration with SAP ECC	EA	1	
14	TBC	SCADA system integration with SAP S4 HANA	EA	1	
15	TBC	SCADA system integration with GIS	EA	1	
16	TBC	SCADA system integration with GEL middleware / ESB	EA	1	
17	TBC	SCADA system integration with other GEL software	EA	1	
18	TBC	CMP system integration with GEL middleware / ESB	EA	1	

19	TBC	CMP system integration with GIS	EA	1	
20	TBC	CMP system integration with SAP ECC	EA	1	
21	TBC	CMP system integration with SAP S4 HANA	EA	1	
22	TBC	CMP system integration with existing applications (multiple applications)	EA	20	
23	TBC	CMP system integration with new GEL applications	EA	15	
24	TBC	Charges for undertaking additional major changes in offered software solution	Mandays	100	

8.4. Important Notes to Bidders

- The specified quantity is indicative for tendering which shall be used for bid evaluation and placement of Annual Rate Contract. Ordering with firm quantities will be carried out based on GEL Operational requirement within the Supply contract validity period
- The Schedule of Rates shall be read together with the full RFP, Scope of Work, technical specifications, SLAs, payment terms, implementation requirements, O&M requirements and handover requirements.
- The rates quoted by the Bidder shall be complete and inclusive of all costs required to deliver the solutions as per the RFP. No extra payment shall be claimed later for any activity, item, service, installation and testing tools (hardware and software), licence, integration, testing, support or documentation required for successful project delivery, unless it is specifically mentioned as separately payable in the Schedule of Rates.
- The Bidder shall quote for all applicable line items. Blank, zero, conditional or unclear rates may be treated as included in other quoted rates or may be considered non-responsive at GEL's discretion.
- All costs for project management, mobilisation, site coordination, transportation, insurance, installation support, testing, commissioning, training, reporting, documentation, permits, safety compliance and statutory compliance shall be included in the quoted rates unless separately listed in the Schedule of Rates.
- The Bidder shall be fully responsible for end-to-end integration and working of all supplied hardware, software, communication network, SIM/connectivity, cloud/platform components, mobile and web applications and interfaces with GEL systems.
- Payments shall be made to the bidders as per the payment milestone and their respective deliverables as specified in the RFP.

- The Bidder shall ensure that there is no double charging across CAPEX, OPEX, platform, connectivity, licence, support, manpower or maintenance items.
- In case of any arithmetic error, the unit rate shall prevail over the total amount. In case of difference between words and figures, the amount written in words shall prevail.
- The Bidder shall review the full RFP, site requirements, technical requirements, quantity assumptions, integration needs and project risks before quoting. Submission of the bid shall mean that the Bidder has understood the scope and has included all required costs in its quoted rates.
- Rates quoted by bidder shall be inclusive of door delivery up to GEL store/site, Packing and Forwarding, Loading and Unloading Charges, Freight and Transit Insurance.
- Splitting is not applicable in this tender.
- Comprehensive O & M charges shall be payable till the respective services are taken by GEL during the contract.
- Bidder shall consider location conditions for the pricing as per site survey performed before the pre-bid meeting.
- SOR line items given above to be read with detailed technical/functional specification given in this document.
- Bidder shall accommodate prices for all equipment, software customisations, accessories or integration tasks that are necessary to meet all tendered technical and functional requirements in the SOR line items provided.

Explanation for various schedules mentioned thereof:

Schedule A:

- Amount quoted under this Schedule A shall be paid during the implementation phase of the project.
- Bidder shall be paid against the respective milestones for the cost mentioned in this schedule of the SOR during the implementation phase of the project. This shall be treated as a financial assistance to the Bidder to ensure requisite financial viability to undertake the entire project.
- Additionally, it is also to be noted that the cost quoted under this schedule shall not exceed by more than 50% of the overall cost of the contract (comprising of schedule A, schedule B and schedule C). In case of any deviation against this clause in the commercial bid submitted by the Bidder on (n)Procure portal, this shall be considered as a non-compliant Bid and necessary actions shall be triggered following the same and bid shall also be rejected.

Schedule B:

- This schedule is for the cost to be claimed during the O&M phase of the project. Year 1 shall trigger after the achievement of final Go live of the project wherein, all 3 major components – SCADA, AMI and CMP have gone live.
- Bidder shall provide comprehensive O&M services for the duration of 5 years from the date of achievement of final Go live of the project. Please note that the Bidder shall be paid O&M charges in the interim phases at the Year 1 rate on a pro rata basis post the achievement of interim / partial Go live. (Example – Bidder shall be paid the proportionate amount upon achievement of Go live of 1 lot of AMI solution and shall continue to receive this amount till the achievement of final Go live of the project).
- Comprehensive O & M charges shall be payable till the respective services are taken by GEL during the contract.
- Bidder shall quote yearly cost under the Schedule B1 which shall be considered for 5 years from the date of the final go-live. For the purpose of determination of costs associated with each of the line item mentioned in the schedule, quoted cost shall be multiplied by five (5) and the quantity.

Example:

Sr. No.	SAP master code	Description	UoM	Qty	Yearly Rate	Total amount without tax
1	-	Comprehensive O&M of Modem (Type 1) and related accessories	Yearly	3300	100 (example)	= 3300 * 100 * 5 = 16,50,000

- Bidder shall quote cost for each year under the Schedule B2. For the purpose of determination of costs associated with each of the line item mentioned in the schedule, quantity mentioned shall be multiplied by the cumulative yearly cost.

Example

Sr. No.	SAP master code	Description	UoM	Qty	Year 1 rate	Year 2 rate	Year 3 rate	Year 4 rate	Year 5 rate	Total amount without tax
1	-	SITC of additional Modem (Type 1) with accessories	EA	70	100 (example)	110 (example)	120 (example)	130 (example)	140 (example)	= 70 *(100 + 110 + 120 + 130 + 140) = 42,000

- For Schedule B2, Year 1 mentioned in the table shall commence right after the achievement of final go live of the project.
- Cost pertaining to the schedule B1 and B2 shall be released based on the payment terms and conditions mentioned in this RFP document.
- Line items in SERVICE CHARGES FOR COMPREHENSIVE OPEARATION AND MAINTENANACE charges are payable per device/location per Quarter basis and same shall be invoiced at the end of every quarter.

- Charges pertaining to new locations for AMI/SCADA onboarded during the O&M Period are billed at the annual per-device rate applicable for the O&M year in which they are commissioned, per the SOR. The pro-rata, day-weighted billing mechanism applies — the device is billed from its commissioning date for the remaining days of the same quarter.
- Additionally, it is also to be noted that the cost quoted under this schedule (B1 and B2) shall be a minimum of 45% of the overall cost of the contract (comprising of schedule A, schedule B and schedule C).

Schedule C:

- Bidder shall be required to quote the cost associated with one time integration / other activities which are expected to be undertaken only once during the tenure of the project. Please note that the rate quoted under this schedule shall remain valid for the entire contractual duration (Final Go live + 5 years of O&M phase).
- Additionally, it is also to be noted that the cost quoted under the schedule C shall not exceed by more than 5% of the overall cost of the contract (comprising of schedule A, schedule B and schedule C).