

Schedule-B

Execution of the Research Pilot Project for turnkey based for Supply, Installation, Testing and Commissioning with three year CMC of newly developed concept of Pole Mounted 1.1 kV Smart Power Distribution Boxes (SD_1.1) comprises the various objectives of metering, monitoring & controlling of single phase consumers for the reduction of distribution losses at specific locations under UGVCL.

Sr. No.	Particulars of Item	Unit	Qty.	Unit Rate in Rs	Applicable GST in %	Applicable GST in Rs.	Total in Rs.(including in GST) 8=5+7
1	2	3	4	5	6	7	8=5+7
A Turnkey Based Work for Supply,Erection,Testing & Commissioning of Smart Power Distribution Metal Box including web based software solution for remote							
1	Design, Engineering and Development of 3 KVA Smart Power Distribution Metal box for 3+1 Consumers as below listed bill of Material	Set	9			0.00	0.00
2	Turnkey Based Work for Supply, installation ,Testing & commissioning of 3KVA Smart Power Distribution Metal Boxes.	Set	9			0.00	0.00
3	Design, Engineering and Development of 5 KVA Smart Power Distribution Metal box for 5+1 Consumers as below listed bill of Material	Set	4			0.00	0.00
4	Turnkey Based Work for Supply, installation ,Testing & commissioning of 5KVA Smart Power Distribution Metal Boxes	Set	4			0.00	0.00
5	To Develop, Supply & Maintain Responsive Web Based Software solution and mobile application for Anroid and iOS for the year CMC period with modifications including cloud hosting, sim card management and recurring charges.	Set	1			0.00	0.00
6	Three years CMC Charges for 3KVA smart Distribution Boxes	Set	9			0.00	0.00
7	Three years CMC Charges for 5KVA smart Distribution Boxes	Set	4			0.00	0.00
TOTAL BID AMOUNT							0.00
B Bill of Material (To be supplied by the bidder)							
Sr. No.	Particulars of Item	Unit	Minimum Required Qty.	Offered Qty.			Remarks
1	1.1 kV/0.240V,Single Phase Air Natural Distribution Transformer, 3 kVA	Nos	9				
2	1.1 kV/0.240V,Single Phase Air Natural Distribution Transformer, 5 kVA	Nos	4				
3	Metal Distribution Boxes as per the approved dimensions and drawing	Nos	13				
4	1Ph-2Wire Consumer Tarrif energy meters with RS 485 port	Nos	60				
5	IoT based DCU with required SMPS compatible to communicate on MODBUS RTU protocol and GPRS/GSM based with dual SIM connectivity with external temperature sensor	Nos	13				
6	Consumer wise load side flush mounted relays	Nos	60				
7	Consumer wise M5 type connectors to extend the power and communication circuits up to consumer premises	Nos	60				
8	Consumer wise LCD backlit display unit and SMC boxes for housing the display units, MCBs, PTBs etc.	Set	60				
9	Metal enclosure Internal Wiring & Accessories - Metal Enclosure (Wires, TB, Lamp, Door Switch, Bushings, DIN Rail, Wire Duct, Lugs, Nut-Bolt, Screw, & Other Miscellaneous)	set	13				
C Specific Note for the Bidder:-							
1	Quantity stated in the schedule is tentative, it may increase or decrease as per actual requirement						
2	The purchasure shall provide 2.5 mm ² Twin core /4 core 4 mm ² Aluminium core Cable to extend the power circuit from distribution Box to consumer premises						
3	L1 Bidder will be decided on total amount of Schedule-B including GST						
4	Bidder needs to quote composite rate i.e. CGST + SGST + CESS or CGST + IGST + CESS as the case may be.						
5	Rate to be quoted should be inclusive of Packing / Forwarding, transportation, insurance, installation and with applicable warranty.						
6	Any changes in Govt. Taxes / Duties would be applicable as on actual at the time of invoice processing						