

BOQ for LT Cabling and allied works				
Sl.No	Description	Unit		Qty
1	Installation of 250KVA Transformer:			
1.a	Installation, testing and commissioning of 250KVA Transformer with construction of foundation as per requirement.	Set		1
2	SITC RMU:			
2.a	Design, manufacturing, installation, Testing & Supply of outdoor type floor mounted metal clad Ring main Unit (11kV, 630A, LBS at incoming & VCB outgoing) Ring Main Unit (3Way) Non Das (As per Bescom Specs).	Set		1
2.b	Supply, Installation, Testing & Commissioning of 11 KV HT Cable: Excavating existing HT Cable & laying along with it's termination from source up to the RMU.	Mtrs		10
2.c	Supply of following size of 3 core, HV, 11 KV grade, ISI mark, XLPE cable with stranded compact circular aluminum conductor, conductor screened with extruded semiconducting compound, XLPE insulated, insulation screened with extruded semiconducting compound in combination with copper tape(0.3 KA for 1Sec.) cores laid off, inner sheath of PVC tape, galvanized steel flat strip armoured and overall PVC sheathed cable conforming to IS:7098(Part II) with latest amendments. 3 Core 95 sq.mm HT Cable.	Mtrs		50
2.d	Supplying and making Indoor cable end termination with gland, lugs & heat shrinkable kit for 3c x 95 sq mm PVC sheathed/XLPE aluminum conductor cable up to 11 KV grade, complete as required.	Set		4
2.e	Supplying and making outdoor cable end termination with gland, lugs & heat shrinkable kit for 3c x 95 sq mm PVC sheathed/XLPE aluminum conductor cable up to 11 KV grade, complete as required.	Set		1
3	Charges for removing and handovering of existing changeover Panel	Set		1
4	Removing of 2 Pole structure with GOS and handing over to client and storing at the place as shown by Incharge Engineer	Set		1
5	Charges for removing and handovering of existing NAB output Panel	Set		1
6	LT Distribution Panel:	Set		1

	Supply, installation, testing and commissioning of out door type, powder coated compartmentalised cubicle panel fabricated out of 1.6mm thick CRCA sheet steel and suitable for operation on 415 volts, 50Hz, 3 Phase 4 wire AC supply complete with gland plates, lifting hooks, ventilating louvers, busbars, inter connections, earthing and labeling complete as per technical specification and single line diagram. (Panel shall be BMS compatible).			
6.a	Incomer:			
	One (1) No., 400A, 4-POLE MCCB (36KA)			
	Metering:			
	One (1) Set of phase indication lamps with 2A SPMCB.			
	One (1) Set 0-500V, Digital voltmeter with voltmeter selector switch.			
	One (1) Nos., 0-600A, Digital ammeter with ammeter selector switch and required CTs.			
	Bus Bar:			
	One (1) Set. Bus bar 630A, TPN aluminum bus bar of suitable length with colour coded sleeve.			
6.b	Outgoing:			
	250A/4Pole MCCB-01 No			
	160A/4pole MCCB-5 Nos			
7	100KVAR capacitor panel with 8 step APFCR realy.			
8	Supplying and laying of following size LT Armored Aluminium Cables			
A	3.5 c x 150 sq mm ARAL Cable	Mtrs		500
B	3.5 c x 240 sq mm ARAL Cable	Mtrs		500
C	3.5c x 70 sq mm Cable	Mtrs		500
9	Termination of the Cables:			
A	3.5C x 150 sq mm	Nos		4
B	3.5C x 240 sq mm	Nos		4
C	3.5C x 70 sq mm	Nos		4
10	Supplying and erection of Earthing Stations.	Nos		6
11	Supplying and laying of earth strips:			
11.a	25 x 3 GI Strip	Mtrs		60
12	Upgrading the CT Coils (2 Nos) as per BESCO requirement	Set		2
13	Excavation, refilling, consolidating, compacting of earth excluding in hard rock upto a depth as listed below. Consolidation shall be carried out in layer by sufficient watering and allowing sufficient time for Settlement.			
13.a	340mm dia OD 300MM dia ID DWC pipe	Mtrs		R/O
13.b	220mm dia OD 200MM dia ID DWC pipe	Mtrs		50
13.c	220mm dia OD 200MM dia ID RCC pipe	Mtrs		500

14	Construction of brick masonry inspection chamber with 75 class designation bricks in cement mortar 1:4, RCC top slab with 1:2:4 mix, foundation concrete 1:4:8 mix, inside plastering 12mm thick with cement mortar and finished with floating coat of neat cement complete as per standard design. Medium duty FRP sunken type covers as per client approved of dimension with lifting hooks.	Nos		15
15	Earth excavation upto a depth of 600/800mm & width upto 400mm for cable / pipe, refilling, consolidating, compacting, brick and sand protection for cables.	cum		400
16	Providing, machine mixing and laying M15 grade plain cement concrete (PCC) of required thickness (minimum cementitious content shall be as specified in the IS Code and as approved); including compacting, curing, required shuttering and its removal, dewatering where required and vibrating, cleaning, preparing surfaces, junctions, etc.; complete at all depths and leads as instructed.	cum		20
	Total			
	GST @18%			
	Total with GST			

Notes:

- 1 The above quoted rates are inclusive of both supply and installation.
- 2 The above mentioned quantities are approximate. The final invoice will be at actual measurements.

Rate	Amount	Remarks
		This is the existing transformer which needs to be relocated in the same service vard.
		Make: Siemens/Schinieder/ABB
		Make: KEI / RPG / Polycab /Universal
		Make: Raychem/ 3-M/ M-Seal
		Make: Raychem/ 3-M/ M-Seal
		Make: Schinieder /Legrand/ABB/L & T Outdoor Type

		Make: Schinieder/ EPCOS
		Make: Polycab/ APAR/ KEI
		Make: Raychem/ 3M/ M-Seal
		Make: Ashlok/ Den/ Jef Techno
		Double wall corrugated DWC Pipes with pressure withstand capacity of SN- 4KN/m2 as per IS: 16205.

		FRP Cover Make: Agam/ Equivalent
		For road crossing areas, PCC to be done.
	-	
	-	
	-	