

WORK SCHEDULE FOR PROVIDING ADDITIONAL 6 NOS OF LT CONNECTIONS WITH A TOTAL LOAD OF 600 KW TO M/S GROUP MUKKADAN AT BOT JUNCTION

Sl.no.	Item Description	Qty	Unit	Supply		Labour	
				Rate (Rs.)	Amount (Rs.)	Rate (Rs.)	Amount (Rs.)
1	SITC of 3 Panel SF6 RMU 11kV, 630A, 21kA, Motor operated, Compact, Outdoor, both side Extensible, Non drawout type, +CCV+ with FRTU (2nos). Load Break Switch (OD) incomer and 1no. fixed type motor operated Vacuum Circuit Breaker (VL) outgoing), all live parts enclosed in a robotically welded stainless steel tank of IP 67 class of protection. With Battery, Battery Charger, 2Nos FPI, Auxiliary PT & with SF6 gas density Manometer and duplex painting as per Cochin Port Trust specifications.	1	No.				
2	SITC of 750 KVA, 11 KV/433 V, DYn11, Dry Cast Resin type Transformer as per IS 2026/ IS 11171, with Copper Winding, Tap Settings all accessories in Metallic Enclosure	1	No.				
3	SITC of Main Distribution Panel Indoor type Consists of Incomer 4 Pole EDO ACB 1250, 50 kA, Microprocessor based with O/C+E/F Shunt Trip + U/V Trip and 2 Nos. of Outgoing 4 Pole EDO ACB 800, 50 kA, Microprocessor based with O/C+E/F Shunt Trip + U/V Trip, with Tinned Copper Busbars, Bus duct for direct connection to the DT, RYB Indications, DT Metering arrangements with 1 no. CT operated Smart Meter as per CoPA Standards with a Set of 4 nos. of Class 0.5S CTs in sealed chamber.	1	No.				
4	SITC of Common Metering Panel consist of Incomer 1 no. 4P MCCB, 630 A, 36 kA Microprocessor Based and Outgoing 6 nos. 100 A 4 Pole MCCB, Provision for 1 no. 200 A 4P MCCB, with Tinned Copper Busbars, Providing metering arrangements with 1 no. CT operated Smart Meter as per CoPA Standards with a Set of 4 nos. of Class 0.5S CTs for one connection cubicle and 5 nos. of Whole Current Smart Energy Meters, for each connection cubicles etc.	1	No.				
5	Providing Foundation RMU & Main Distribution Panel	6	Sq.M				
6	Providing LT Interconnection between DT & Main Distribution Panel	1	L.S				

7	Supply & Providing of Plate Earthing using materials with copper earth plate 600mm X 600mm X 3mm thick, including 40mm class B GI pipe and accessories, for providing masonry enclosure with cover etc., with charcoal/ coke and salt as required as per IS.	4	Nos.				
8	Supply & Providing Earth connections of RMU and CMU using GI Strips of size 40 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including (Jointing shall be done by overlapping and with 2 sets of SS. nut connection/terminating with SS nut, bolt, spring, washer etc. as required. bolt & spring washer spaced at 50mm) etc.	60	M				
9	Supply of 3C X 300 sqmm HT, Armoured UG cable, XLPE insulated, Armoured, overall PVC sheathed, stranded, Aluminium conductor, PVC Outer Sheathed cable-11KV (E)-conforming to IS 7098 Part II-1985 with latest IS amendments.	85	M				
10	Supply & Laying of HDPE Pipe, 110 mm, 5mm thickness through the existing duct/ trench	60	M				
11	Laying of 3 X 300 Sq.mm XLPE, 11 KV Al H.T UG Cable through HDPE Pipe	60	M				
12	Retrieval of Existing 3 X 300 Sq.mm XLPE, 11 KV Al H.T UG Cable	50	M				
13	Laying of 3 X 300 Sq.mm XLPE, 11 KV Al HT UG Cable through the Existing Trunch	100	M				
14	Supply & Provoding of indoor Heat shrinkable cable end termination kit, complete with all accessories including lugs suitable for 3C X 300 sqmm, XLPE aluminium conductor cable of 11 KV grade as required.	4	Nos.				
15	Supply of 3Cx300 sqmm, 11KV Heat Shrinkable joint Kit & Providing H.T straight Jointing as per requirements	2	Nos.				

16	Supply of 3.5 x 400 Sq.mm XLPE, 1.1 KV Grade LT UG Cable	40	M				
17	Laying / clamping of 3.5 x 400 Sq.mm XLPE, 1.1 KV Grade LT UG Cable	40	M				
18	Providing End Termination of 3.5 x 400 Sq.mm XLPE, 1.1 KV Grade LT UG Cable including Double Compression glanding	8	Nos.				
19	Supply & Laying of 3CX 2.5 SQmm CU cable for giving control supply to RMU etc. under ground by excavation etc. and refilling	30	M				
20	Removal of Existing 400 KVA Transformer and making arrangements for fixing new 750 KVA Transformer	1	L.S				
21	Construction of Cable Joint Chamber of Size 3m x 2m with concretere block , filling with sand and covering with slab	2	No.				
22	Supply & Fixing of RCC Cable Markers for the cable route marking .	10	Nos.				
23	Safety equipements- Fire Extinguishers, Gloves, Floor mats, Fire buckets, saftey warning plates, instructios etc. as per statutory requirements	1	L.S				
24	Preparing Scheme and making all arrangement for getting approval from CEA.	1	L.S				

Total (Rs.)

Total Supply & Labour (Rs.)

GST 18%

TOTAL INCL. GST