

PRICE BID FOR ELECTRICAL WORK - SITC

S.No.	Description	Unit	Qty.	Rate	Amount
1.0	Supply, Erection , Testing & Commissioning of the following front operated (Double door), with Canopy, front access totally enclosed sheet steel clad, free standing, dust & vermin proof switchboard with IP42 protection with hanged, gasketed & cable doors including inter connection, copper crimping lugs, boarding to earth and powder coated painted suitable for use at 415 volt, 3 phase, 4 wire, 50Hz system and with 35KA reputed capacity at 415 volt complete as per Drawing and specification :-				
	Each Incomer to have one multifunction meter (A, V, Hz, PF, kW, KWH) along with set of indicating light R, Y, B, controlled by 2A MCB.				
	Each ACB to have separate spring changed switch for tripping of breaker.				
	All incoming supply to be interlocked with bus coupler and the incoming supply from CSS1 & CSS2.				
(a)	INCOMER :-				
	2 Nos. 1600A 4 Pole microprocessor based EDO ACB (CSS1 & CSS2) complete as per SLD Supply.				
(b)	BUSCOPLER :-				
	1 Nos. 1600A 4 Pole microprocessor based EDO ACB.				
	Busbar 2000A TP AL Busbar with heat shrinkable coloured sleeves complete and with standing fault level of 36kA capacity.				
(c)	INCOMER SECTOR- 1				
	CSS 1				
	3 Nos. 630A 3P TM 36kA MCCB complete with handle & spreader link & solid neutral link.				
	1 Nos. 400A 3P TM 36kA MCCB complete with handle & spreader link & solid neutral link.				
	2 Nos. 250A 3P TM 36kA MCCB complete with handle & spreader link & solid neutral link.				
	3 Nos. 63A 4P 10kA MCB				
	CSS 2				
	3 Nos. 800A 3P 36kA TM MCCB complete with handle & spreader link & solid neutral link .				
	1 Nos. 630A 3P 36kA TM MCCB complete with handle & spreader link & solid neutral link.				
	1 Nos. 250A 3P 36kA TMM MCCB complete with handle & spreader link & solid neutral link.				
	3 Nos. 63A 4P 10kA MCB	Nos.	1.0		-
2.0.	Feeder Panel (LT Room)				
	Supply, Erection , Testing & Commissioning of the following front operated, front access totally enclosed sheet steel clad, free standing, dust & vermin proof switchboard with IP42 protection with hanged, gasketed & cable doors including inter connection, copper crimping lugs, boarding to earth and powder coated painted suitable for use at 415 volt, 3 phase, 4 wire, 50Hz system and with 35KA reputed capacity at 415 volt complete as per Drawing and specification :-				
	Incomer 630Amp, 4P , 36kA (ICS=ICU=100%) complete with ROM handle & spreader link MCCB.				
	1 Set of multifunction meter A, V, kW, KWH, Hz, Meter with set of indicating light R, V, B controlled by 2A MCB.				
	800A, 4P, AL Busbar complete so as is have with standing fault level of 25kA capacity.				
	Outgoing :-				
	1 Nos., 400A, 4P 36kA TM, MCCB Complete with EROM & Spreader link & solid neutral link.				

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	4 Nos. , 250A, 4P 25kA TM MCCB complete with EROM & Spreader link & solid neutral link.				
	2 Nos. 125A, 4P 25kA TM MCCB complete with EROM & Spreader link & solid neutral link.	Nos.	1.0		-
3.0	Supply of 1.1 KV grade multicore AL conductor XLPE insulated & PVC sheathed armoured power cable as required (Contractor to be paid on actual usage/Installation of cable)				
(a)	3.5 Core X 300 Sqmm	Mtr.	500		-
(b)	3.5 Core X 240 Sqmm	Mtr.	500		-
4.0	Dismantling & removing/pulling of existing PVC 1.1 kv grade cables from the CSS1/CSS2 & AC plant room and old/new wing block as per following sizes.				
(a)	Size between 185 Sqmm to 300 Sqmm.	Mtr.	400		-
(b)	Size between 70 Sqmm to 150 Sqmm.	Mtr.	400		-
5.0	Relaying of Existing Cables of PVC 1.1 kv grade in the existing hume pipe / Existing trench and as per following				
(a)	Size between 185 Sqmm to 300 Sqmm	Mtr.	400		-
(b)	Size between 70 Sqmm to 150 Sqmm.	Mtr.	400		-
6.0	Laying of PVC insulated and PVC sheathed power cable of 1.1 kv grade of following Sizes in ground in existing hume pipe or in trench / in ground.				
(a)	3.5 Core X 300 Sqmm	Mtr.	500		-
(b)	3.5 Core X 240 Sqmm	Mtr.	500		-
7.0	Dismantling of existing cable end termination / then re-termination of the following size XLPE cable, 1.1kV grade including cost of crimping tinned copper/AL heavy duty lugs, double compression gland, insulation tape and all required material for completion of joints.				
(a)	Size between 185 to 300 Sqmm Cable	Nos.	20		-
(b)	(a) Size between 185 to 300 Sqmm Cable	Nos.	16		-
8.0	Termination of new cable of the following size XLPE cable 1.1 volt grade including cost Of crimping tinned copper/AL heavy duty lugs double compression glades, insulation tape and all required material for termination of cable.				
(a)	3.5 X 240 Sqmm Cable	Nos.	30		-
(b)	3.5 X 300 Sqmm Cable	Nos.	20		-
9.0	Supply & laying of following earthing clamped to wall/floor with suitable clamps, sidles, and fixing both in ground. Complete as required it canopy with IS 3043:1987.				
(a)	50 X 6 mm GI Strip	Mtr.	50		-
(b)	25 X 6 mm GI Strip	Mtr.	50		-
10.0	Supply insulation Testing & Commissioning of 4 Pole, 415 Volts off load changer on switch duly mounted on angle frame & in enclosure as per following				
(a)	Off load 250A changeover switch	Nos.	3		-
11.0	Supply, Installation, Testing & Commissioning of straght through joint for the following cables.				
(a)	3.5 X 300 Sqmm AL 1.1 kW armoured cable	Nos.	2		-
(b)	3.5 X 240 Sqmm AL 1.1 kW armoooured cables.	Nos.	2		-
12	Supply, Installation, Testing & Commissioning of straght through joint for the following cables.				-
(a)	3.5 X 300 Sqmm AL 1.1 kW armod cable	Nos.	2		-
(b)	3.5 X 185 Sqmm AL 1.1 kW armod cables.	Nos.	2		-
	Total				
	GST				

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	Grand Total				