



ELECTRONICS CORPORATION OF INDIA LIMITED
अभियंत्रिकी सेवाएँ प्रभाग
ENGINEERING SERVICES DIVISION
DETAILED SCOPE OF WORK

Sub: Supply, Installation, Testing and Commissioning of LT power distribution panels for SPD building, ECIL, Hyderabad.

S.No	Description of work	Qty	Unit
1.0	Supply, installation, testing and commissioning of cubical floor mounted, free standing, compartmentalized LT panel boards as per the below mentioned incomings & outgoings, made out of 2mm CRCA sheet steel, pretreated with 7 tank process and painting with Epoxy powder coated of approved shade. Bottom entry for all cables with suitable gland plates of required sizes, 800A aluminium bus bar @ 0.8A/Sq.mm rating and neutral shall have the half rating of phase and comprising of following complete and as per IS specifications, earthing of switches etc.,	1	Each
	Approved makes and construction of panel as per the technical specifications enclosed.		
	INCOMING		
	a) 1250A MCCB		
	i) MCCB: 1250 Amps, 3 pole+N, 50 KA, moulded case circuit breaker with Micro processor based LISG protection & adjustable O/C, E/F & S/C release. (CM9602300000AG)		
	Model : DN4-1250N-MTX2.0		
	ii) including all accessories like ROM and spreader links with phase barriers for operation of MCCB.		
	iii) Multifunction Meter with RS-485 comm Model no.EM6436 (Schneider)/LK/Siemens 01 Nos with suitable current transformer.		
	iv) LEDs for phase live indications Make:Schneider /LK /VAISHNO		
	v) Control MCBs Make: Schneider / LK		
	OUTGOINGS		
	a) 250A, 36KA D-sine 3 pole MCCB with microprocessor based OC & E/F protection as Outgoings ...04 Nos		
	DN2 250D (CM9205400000X1)		

S.No	Description of work	Qty	Unit
	MCCB:250 Amps, 3 Pole+N, 36KA, Moulded case circuit breaker with Micro processor based adjustable O/C, E/F & S/C release. MTX 1.0.		
	Including all accessories like ROM and spreader links with phase barriers for operation of MCCB.		
	b) 100A, 36KA D-sine 3 pole MCCB with microprocessor based O/C & E/F protection as Outgoings35 Nos.		
	DN2 250D (CM92051O000X1)		
	MCCB:100 Amps, 3 Pole+N, 36KA, Micro Processor based adjustable O/C, E/F & S/C release. MTX 1.0. (Model:- DN2-250D-MTX1.0)		
	Switchgears Make: LK/ABB / Siemens / Schneider.		
	Approved makes and construction of panel as per the technical specifications enclosed.		
	The scope of work includes dismantling of old panel with connected cables to incomer and outgoings, shifting to safe place inside the factory and re-termination of same respective cables after neat dressing as instructed by the Engineer-in-charge. All the required glands, lugs and other miscellaneous items required for termination shall be borne by the contractor.		
	Vendor shall visit the site and obtain drawing approvals from department before proceeding for manufacturing.		
	The panel builder shall have CPRi approved certificate for manufacturing facility.		
2.0	Supply of 100mmx50mmx6mm MC C Channels and fabrication of base for erection and installation of LT panel including fabrication, application of red oxide, paint etc., complete and as directed by Engineer-in-charge.	200	kgs