SCHEDULE OF WORK

Name of work :- R.M.O of electrical and mechanical services in Central Excise office building (GST Bhavan), Kasba, Kolkata. (SH : Servicing of main electric fire pump and replacement of Jockey pump and panel)

Sl.No	Description of Items	Qty		Rate	Unit	Amount	Remarks
1	Fabrication, supplying, Installation testing & commissioning of Electrical control panel of cubical construction, floor mounted type, fabricated out of 2mm thick CRCA sheet, compartmentalised with hinged lockable doors, dust and vermin proof, powder coated of approved shade after 7 tank treatment process, cable alley, inter-connection with suitable size copper conductor cable/solid copper strip, having switchgears and accessories, mountings and internal wiring, earth terminals, numbering etc. complete in all respect, suitable for main fire pump, pressurisation pump & diesel pump set complete as per CPWD specification with following in coming and Outgoings, suitable for operation on 415V, 3 phase, 50Hz Ac Supply with enclosure protection class IP 42 as required :						
	Incomings 400A, 50kA 4 Pole MCCB, Ics=100% Icu rating Digital Voltmeter 0-500V with selector switch Ammeter (0-400 A) with selector swtich & CTs etc. LED type RYB phase indicating lamps, ON, OFF, trip indicating lamps Set of Copper Bus Bar 500A Outgoings (Note : All outgoing feeders for pumps should have digital Ammeter with selector switches, and LED type ON, OFF, trip indicating lamps)						
	Main Fire Pump 200 A, 50kA TPN MCCB, Ics=100% Icu, with fully automatic Star / Delta starter suitable for 75 hp pump with overload protection, current sensing type single phase preventor complete with all acceessories and internal wiring required for automatic operation, selector switch for local/remote, auto / manual / OFF operation.						
	Jockey Pump 100 A, 50kA TPN MCCB, Ics=100% Icu, with suitable HP fully automatic Star/Delta starter with overload protection, current sensing type single phase preventor complete with all acceessories and internal wiring required for automatic operation, selector switch for local/remote, auto/manual/OFF operation.						
	Diesel Engine Control Control for diesel engine comprising - Automatic/Manual selctor switch & 3 attempt starting device, timers and relays as required, push buttons, start/stop in manual mode Indicating lamp for high/ Low Lub. Oil pressure, High Water Temp and Engine on indication Battery charger suitbale for 12V/24 V DC with boost and trickle selector switch, 0-30 V DC volt meter, and 0-20 A DC Ammeter All standard relays and accessories for automatic operation of diesel engine						
	System Controller Designing, Supply, Installation, Testing and commissioning of system controller to control operation of main electric fire pump, diesel pump, Pressurization pump, Terrace pump in sequence as per specification consisting of relays, timers. Sensors, annunciation window for fault indication, complete as per specifications.						
	Complete panel described above i.e. in item no.1	1	Job	3,00,803.00	Job	3,00,803.00	27.5.2
2	(a) Supplying, installation, testing and commissioning of electric driven pressurisation pump conforming to IS 12469: 2019 suitable for automatic operation and consisting of following, complete in all respects, as required : (Jockey Pump) (b) Horizontal type, multistage, centrifugal pump of cast iron body and bronze impeller with stainless steel shaft, mechanical seal as required. (c) Suitable HP squirell cage induction motor TEFC type suitable for operation on 415 volts, 3 phase 50 Hz AC supply with IP 55 class of protection for enclosure, horizontal foot mounted type with Class- 'F' insulation, conforming to IS-12615: 2018. (d) M.S. fabricated Common base plate, coupling, coupling guard, foundation bolts etc. as required. (e) Suitable cement concrete foundation duly plastered and with anti vibration pads.	1	No	1,09,254.00	Each	1,09,254.00	27.3.2
3	Supplying and fixing of the following materials for repairing of 75 HP motor including checking, testing and trial run etc. as required. a) Becking and Heat Varnishing – 1No b) Ball Bearing 6315 SKF – 2 Nos **PUMP** c) Shaft, Impler Mechining – 1 No d) New Bush – 2 Nos e) Packing Kids – 1No f) Pump Opening and Fitting – 1 No	1	Job	83,402.00	Each	83,402.00	M/R
4	Less credit of dismantled item						
4.1	Old / damaged LT panel with all switch gears	1	Job	-6,000.00	Each	-6,000.00	M/R
4.2	Old / damaged jockey pump motor set	1	Job	-6,000.00	Each	-6,000.00	M/R
					Total Rs.	481459.00	
	Add Cost index @ 23% on DSR Items vide Office order No. 34(1)/SDG(Kol)/Cost Index/2026/915 dated 19/05/2026					94313.11	
					Total Rs.	575772.11	
					Say	575772.00	

AE(El), KCESD-IV, KCED-I, CPWD, Kol-20