

SITC OF 400 KVA DIESEL GENERATOR

SI No.	Item Description	QTY	Unit	Rate	Total
1.	400 KVA DIESEL GENERATOR Supply Installation, testing and commissioning of 400kVA, 415V, 50Hz ,3 phase, 4 wire diesel Generator set with acoustic enclosure and entire standard accessories compatible with CPCB-IV norms , Generator control panel as per Kerala state electrical inspectorate Std. (MCCB + standby low set earth fault relay using CT in neutral bus bar ,AM,VM,FM and KWH meter) ,AMF logic and Hospital grade silencer . The scope includes testing at manufacturer premises, transportation and unloading.	1	No		
2.	Supply and Installation of DG exhaust pipe with following medium class M.S. pipe with necessary accessories like flanges, supports etc.as required and with necessary painting using heat resistant Aluminium paint for the following,				
	6"	14	M		
	8"	1	M		
3.	Supply and Installation of proper heat insulation to exhaust pipe with necessary Aluminium Cladding heat insulation to following exhaust pipe sections& including silencer with all necessary accessories complete.				
	6"	14	M		
	8"	1	M		
4.	Supply and Installation of SMPS charger 230v/24v-10A DC with float and boot charging option for DG battery charging	1	No		
5.	LT CABLES Supply, laying, testing and commissioning of PVC 1.1 KV grade XLPE insulated armoured Aluminium / Copper cables of the following sizes and laying in earth excavated trenches, clamping in built up trenches, trays, racks, risers, trusses, walls etc. using heavy duty Aluminium Flat or heavy duty GI spacer saddles of which spacing of clamps not exceeding 50cm and pulling through pipes including all minor civil works.				
	a. 3.5Cx400 Sq.mm Al.Cable	60	Mtr		
	b. 9Cx2.5 Sq.mm Cu. Control Cable	30	Mtr		
	c. 4Cx2.5 Sq.mm Cu.control cable	1	Mtr		
6.	GLANDING AND TERMINATION Supply and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE Aluminium conductor cable of 1.1 KV grade as required.				
	a. 3.5Cx400 Sq.mm Al.Cable	4	Nos		
	b. 9Cx2.5 Sq.mm Cu. Control Cable	2	Nos		

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	c. 4Cx2.5 Sq.mm Cu. Control Cable	2	Nos		
7.	PLATE EARTHING Supply and providing earthing with CI earth plate 600 mm x 600 mm x 6mm thick electrode including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/coke and salt as required conforming to relevant IS, Electrical Inspectorate standards etc.	4	Nos		
8.	EARTHING CONDUCTORS Supply and providing the earth conductors of the following sizes and laying in engine room, earth excavated trenches, clamping in built up trenches, walls, trays, racks, risers, trusses, etc. using heavy duty Aluminium Flat or heavy duty GI spacer saddles of which spacing of clamps not exceeding 60cm without making holes in the earthing conductor and pulling through pipes including all minor civil works. All the joints should be properly tinned and connections should only be done using SS Nut and Bolts with double SS washers etc. a. 25mm x 3 mm CU Strip	65	Mtr		
9.	Supply Installation, testing and commissioning of AMF controller in the existing MSB#02 panel with all necessary accessories, power pack and control wiring etc. complete.	1	Ls		
10.	DOCUMENTATION a. Preparation of drawings and getting approval from Electrical Inspectorate. (*All Statutory fees shall be remitted by the Client / Consumer or it shall be reimbursed on the submission of supporting documents). b. Submission of completion report, arranging inspection and obtaining Sanction Order from relevant authorities (All Statutory fees shall be remitted by the Client/ Consumer or it shall be reimbursed on the submission of supporting documents).	1	Ls		
Sub Total					
GST @ 18%					
Grand Total					