

Government eProcurement System
Created By: Jagannath singh Deshmukh
Created Date/Time: 25-May-2022 12:53 PM
Tender Title: Provision of UPS for GLF system at C.A. Rajkot
Tender ID: 2022_AAI_112311_1

Tender Inviting Authority: SM (E E), AAI, CA Rajkot.

Name of Work: Provision of UPS for GLF system at C.A. Rajkot.

Contract No: AAI/RAJ/SM (E-E)/NIT-02/22-23

SCHEDULE OF WORK / ITEM(S)

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Estimated Rate	ECS ENGINEERING PVT LTD(GSTN-09AABCE5944P171)	
					Rate	Amount
1.00	Supply, Installation, Testing & Commissioning (SITC) of 2 x 60KVA online UPS, 3 Phase input, 3 Phase output PWM IGBT based online double conversion type with inbuilt isolation transformer suitable to drive constant current regulators (CCR) with 100% unbalanced load at output at full load condition with standard features like 100% rated static bypass, maintenance bypass facilities active input power factor correction, phase sequence corrector, pure sinewave output, compatibility of generator supply, user friendly LCD display and run in load sharing mode, battery management features integrated with main UPS controller, operating condition 400 ±15%, 3 phase 50 Hz AC supply, IP 20 capable of running at 100% load delivering 2 phase/single phase load with 3 phase of output and as per the enclosed technical specification along with the following complete as required: (a) Supply, Installation, Testing & Commissioning (SITC) of two battery bank Sets (for 2 UPS) 12 V & minimum 54000 VAH per UPS for 30 minute backup from each UPS i/c suitable rating battery circuit breakers, interconnection between the batteries cabling by copper conductor between battery bank and UPS, glanding & termination along with battery rack. There should be provision for common battery bank.	1.00	Job		2385000.00	2385000.00

L1 Amount	L1 Vendor
2385000.00	ECS ENGINEERING PVT LTD

2.00	SITC of Dust & vermin proof Indoor type single door Floor Mounted panel of suitable size on angel iron frame/ flate iron frame work and to withstand rough usage. The panel shall be fabricated as per IEC 61439 with 14 SWG MS sheet complete with all accessories suitable angle/ channels frame, gland plates, painting etc. including supplying and fixing of following accessories and making inter connection, earth connection, neutral link, etc.as per the drawing and site requirement. [UPS Incomer Panel] Incomer : 250A, MCCB, 4P, 35-37 KA (Icu= 100% Ics) with extended rotary handle and spreaders - 01 Nos. Multi function meter (Shows Voltage, Current & Frequency) with 3 line LCD Display of size 96 x 96 mm. - 01 Nos. Indication Lamp R, Y & B (LED Type) -01 set Outgoing : 250A, MCCB, 4P, 35-37 KA (Icu= 100% Ics) with extended rotary handle and spreaders - 02 Nos. Indication Lamp R & G (LED type) - 02 Set Other : 400A Aluminium busbar, 3 Phase & Neutral Necessary CT & Control wiring arrangement Power terminal and other accessories MOV based Three Phase Surge Protection Device (SPD) having nominal discharge 25/75kA (8/20 us) Lightning impulse value current 25kA (10/350 us) with protection level < 1.5kV including all accessories for installing on the mains power entry point at the busbar shall be of modular type. [Make:-DEHN V M TNC 255 (951 300) or equivalent approved make of list] - 01 Nos.	1.00	Each	166000.00	166000.00	166000.00	ECS ENGINEERING PVT LTD
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3.00	SITC of Dust & vermin proof Indoor type single door Floor Mounted panel of suitable size on angel iron frame/ flate iron frame work and to withstand rough usage. The panel shall be fabricated as per IEC 61439 with 14 SWG MS sheet complete with all accessories suitable angle/ channels frame, gland plates, painting etc. including supplying and fixing of following accessories and making inter connection, earth connection, neutral link, etc.as per the drawing and site requirement. [UPS Outgoing Panel] Incomer : 250A, MCCB, 4P, 35-37 KA (Icu= 100% lcs) with extended rotary handle and spreaders - 02 Nos. Multi function meter (Shows Voltage, Current & Frequency) with 3 line LCD Display of size 96 x 96 mm. - 02 Nos. Indication Lamp R, Y & B (LED Type) -02 set Outgoing : 250A, MCCB, 4P, 35 KA (Icu= 100% lcs) with extended rotary handle - 01 Nos. Indication Lamp R & G (LED type) - 01 Set Other : 400A Aluminium busbar, 3 Phase & Neutral Necessary CT & Control wiring arrangement Power terminal and other accessories	1.00	Each
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158000.00	158000.00
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158000.00	ECS ENGINEERING PVT LTD
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4.00	SITC of Dust & vermin proof Indoor type single door Floor Mounted panel of suitable size on angel iron frame/ flate iron frame work and to withstand rough usage. The panel shall be fabricated as per IEC 61439 with 14 SWG MS sheet complete with all accessories suitable angle/ channels frame, gland plates, painting etc. including supplying and fixing of following accessories and making inter connection, earth connection, neutral link, etc.as per the drawing and site requirement. [CCR Panel] Incomer : 250A, MCCB, 4P, 35-37 KA (Icu= 100% Ics) with extended rotary handle and spreaders - 02 Nos. Multi function meter (Shows Voltage, Current & Frequency) with 3 line LCD Display of size 96 x 96 mm. - 02 Nos. Indication Lamp R, Y & B (LED Type) -02 set Mechanical key lock (2 Lock + 1 Key) Outgoing : 100A, MCCB, 4P, 35 KA (Icu= 100% Ics) with extended rotary handle - 03 Nos. 63A, MCCB, 4P, 35 KA (Icu= 100% Ics) with extended rotary handle - 13 Nos. 40A, MCB,'C' Curve, 2P - 04 Nos. Indication Lamp R & G (LED type) - 17 Set Other : 400A Aluminium busbar, 3 Phase & Neutral Necessary CT & Control wiring arrangement Power terminal and other accessories	1.00	Each
5.00	Supply of 3.5 x 95 sqmm of 1.1 KV grade, XLPE insulated, PVC sheathed, armoured, aluminium conductor power cable confirms to IS 7098:1988 (Part -1) with up to date amendments etc complete as required.	200.00	Mtr
6.00	Supply of 3.5 x 70 sqmm of 1.1 KV grade, XLPE insulated, PVC sheathed, armoured, aluminium conductor power cable confirms to IS 7098:1988 (Part -1) with up to date amendments etc complete as required.	60.00	Mtr
7.00	Supply of 4 x 25 sqmm of 1.1 KV grade, XLPE insulated, PVC sheathed, armoured, aluminium conductor power cable confirms to IS 7098:1988 (Part -1) with up to date amendments etc complete as required.	250.00	Mtr

427000.00	427000.00
776.00	155200.00
622.00	37320.00
302.00	75500.00

427000.00	ECS ENGINEERING PVT LTD
155200.00	ECS ENGINEERING PVT LTD
37320.00	ECS ENGINEERING PVT LTD
75500.00	ECS ENGINEERING PVT LTD

8.00	Supply of 1 core 50 Sq.mm of 1.1 KV grade, PVC insulated, Unsheathed, Un-armoured, Copper conductor power cable confirms to IS 694:1990 with up to date amendments etc complete as required	200.00	Mtr
9.00	Supply of 7 core 2.5 Sqmm PVC/XLPE insulated and PVC sheathed Copper conductor armoured control cable of 1.1 KV grade conforming to IS : 7098:1988 (Part : -I) with upto date amendments etc.,as required.	175.00	Mtr
10.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in masonry open duct/ Cable Tray etc. as required. Above 35 sq. mm and upto 95 sq. mm	207.00	Mtr
11.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in masonry open duct/ Cable Tray etc. as required. Upto 35 sqmm	330.00	Mtr
12.00	Supplying 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. 3.5 x 95 sqmm	6.00	Each
13.00	Supplying 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. 3.5 x 70 sqmm	6.00	Each
14.00	Supplying 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. 4 x 25 sqmm	20.00	Each
15.00	Supplying and making end termination with brass compression gland and copper lugs with number ferruling etc. for following size of PVC insulated and PVC sheathed / XLPE copper control cable of 1 KV grade as required. 7 core 2.5 Sqmm	26.00	Each
16.00	Supplying and making end termination with PVC gland and copper lugs for following size of PVC insulated and PVC sheathed / XLPE copper conductor cable of 1.1 KV grade as required. 1 core 50 Sq.mm	32.00	Each

625.00	125000.00
342.00	59850.00
60.00	12420.00
50.00	16500.00
600.00	3600.00
500.00	3000.00
350.00	7000.00
300.00	7800.00
150.00	4800.00

125000.00	ECS ENGINEERING PVT LTD
59850.00	ECS ENGINEERING PVT LTD
12420.00	ECS ENGINEERING PVT LTD
16500.00	ECS ENGINEERING PVT LTD
3600.00	ECS ENGINEERING PVT LTD
3000.00	ECS ENGINEERING PVT LTD
7000.00	ECS ENGINEERING PVT LTD
7800.00	ECS ENGINEERING PVT LTD
4800.00	ECS ENGINEERING PVT LTD

17.00	Supply & fixing of 1Mtr wide & 2MM Thick, ISI marked Electrical Insulating Mats Confirming to IS: 15652 / 2006, Working voltage upto 3.3 KV.	10.00	Sqm
18.00	Supplying and installing of 300 mm width x 50 mm depth x 1.6 mm thickness size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.	60.00	Mtr
19.00	Supplying and installing of 150 mm width x 50 mm depth x 1.6 mm thickness size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.	60.00	Mtr
20.00	For AICMC details please refer Special conditions of contract clause no. 2. Page no. 139		
21.00	All inclusive comprehensive maintenance contract (AICMC) of 2 X 60 KVA UPS after completion of defects liability period for UPS system consisting of all accessories i/c. periodical, preventive, break down maintenance as per the OEM recommendations & AAI requirements & attending emergency breakdowns as and when required on 24 hrs basis (on all days including holidays) and including all necessary spares and consumables to keep the whole UPS system in perfect working condition etc. complete as required and as required and as specified.		
22.00	First Year		
23.00	Second Year		
24.00	Third Year		
25.00	Fourth Year		
26.00	Fifth Year		

1000.00	10000.00
1000.00	60000.00
750.00	45000.00

10000.00	ECS ENGINEERING PVT LTD
60000.00	ECS ENGINEERING PVT LTD
45000.00	ECS ENGINEERING PVT LTD

Total in Figures

3758990.00

Lowest Amount Quoted BY: ECS ENGINEERING PVT LTD(3758990.00)

Signature Not Verified

Digitally signed by JAGANNATHSINGH BABULAL DESHMUKH
Date: 2022.05.26 10:48:55 IST
Location: eProcurement System for Central PSUs

