



Date: 10th January, 2018

Sub: Invitation for Quotation

Sealed Quotations are invited from bonafide Manufacturers/suppliers/agents to install the electrical work as mentioned below: The contractors who have valid electrical license for building electrification work are eligible. **The work should be completed in 2 weeks after receiving the work order.**

Name of the work:- Electrical Installation work at Hydraulic Lab of Aerospace Engineering and Applied Mechanics Department of Indian Institute of Engineering Science and Technology, Shibpur, Howrah-711103.

Sl. No	Description of Work.	Unit.	Qty.
1	Supplying & Fixing Industrial Plug & Socket board with 240 V, 20A, SPN & Earth Metal Industrial Plug socket & 20A Industrial top incl. S&F 20 A SP MCB breaking capacity 10kA (C- Curve) in SS enclosure fixed on wall and necessary connection.	Each	2
2	Supply & Fixing 240 V, 6A, plug socket with separate 6 A Piano key type switch (Brand approved by EIC) on sheet metal switch board embedded in wall incl. S & F 150x100x65mm MS (16SWG) switch board and bakelite/perspex top cover of 3mm thick by Brass screws after making housing for switch by cutting bakelite/perspex cover and making necessary connections as required.	Each	10
3	Supply & Fixing 240 V, 4 nos. 6A, plug socket with separate 4 nos. 6 A Piano key type switch, indicator & 16A switch type SP MCB (Brand approved by EIC) on sheet metal switch board embedded in wall incl. S & F 240x200x65mm MS (16SWG) switch board and bakelite/perspex top cover of 3mm thick by Brass screws after making housing for switch by cutting bakelite/perspex cover and making necessary connections as required.	Each	8
4	Laying of cable upto 3/4 core 25 sqmm on wall/surface incl. S & F MS saddles with earthing attachment in 10 SWG GI (Hot Dip) Wire, making holes etc. as necy. mending good damages and painting	R.M	125
5	Laying of cable from 3/3½ core 35 sqmm to 50 sqmm on wall/surface incl. S & F MS saddles with earthing attachment in 2 x 10 SWG GI (Hot Dip) Wire, making holes etc. as necy., mending good damages and painting	R.M	8
6	Supplying and fixing of 4 way double door Vertical TPN MCB Distribution board(Legrand) for MCCB incomer with IP-42/43 protection, on angle iron frame on wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment. Consisting the following Items. a) incomer 80 Amps FP MCCB (Legrand) b) Outgoing 40Amps TP MCB (Legrand)-01 Nos.c) 6-32 Amps TPMCB- 3Nos.	Each	1
7	Supplying and fixing double-door SPN MCB Distribution Board (Legrand)with IP-42/43 protection, concealed in wall after cutting the wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment. a. incomer 40 Amps DP Isolator (Legrand) b. Outgoing 6-32 Amps SP MCB (Legrand)-12 Nos.	Each	2
8	Supplying & Fixing Industrial Plug & Socket board with 415 V, 40A, TPN & Earth Metal Industrial Plug socket & 30A Industrial top incl. S&F 40 A TPN/FP MCB breaking capacity 10kA (C- Curve) in SS enclosure fixed on wall and necessary connection	Each	1

9	Supplying & Fixing Industrial Plug & Socket board with 415 V, 20A, TPN & Earth Metal Industrial Plug socket & 20A Industrial top incl. S&F 20 A TPN/FP MCB breaking capacity 10kA (C- Curve) in SS enclosure fixed on wall and necessary connection.	Each	3
10	Supply only 1.1 Kv grade, XLPE, 4 core 16 sq mm Aluminium Cable.	R.M	35
11	Supply only 1.1 Kv grade, XLPE, 4 core 10 sq mm Aluminium Cable.	R.M	90
12	Supply only 1.1 Kv grade, XLPE, 4 core 35 sq mm Aluminium Cable.	R.M	8
13	Distribution wiring in 2 x 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make), with 1x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire for ECC, to light/fan/call bell points with Piano Key type switch fixed on MS CRC sheet metal (16 SWG) switch board cum JB on wall complete with 2 no. suitable size "Ph & N" copper bar incl bakelite/Perspex (wall matching color) top cover 3 mm thick and incl. 175mmx100mmx65mm inspection box, making earthing attachment, painting the MS box and mending good the damages to original finish (Average run 12 mtr)	No of Points.	16
14	Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make) incl. necy. fittings as required with 2 x 36/0.3 (2.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC	R.M	250
15	Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make) incl necy fittings as required with 2 x 84/0.3 (6 sqmm) + 1 x 56/0.3 (4 sqmm) ECC	R.M	75
16	Supply and fixing of twin LED Tube light fittings (Cat No-TMC 501P 2X-LED 22W P3242 complete with 22 W LED lamp, Philips make) with clamp down road etc as to GS.	Each	16
17	Extra for suspension exceeding 25 cm with S&F additional 2 no. 20 mm dia EI conduit (14 SWG) supports & necy. PVC insulated wire and painting etc. as required by 2x24/0.20 mm (1.5sqmm.) flexible copper wire of 1.10 mt. length.	R.M	10
18	Supplying and fixing compression type gland complete with brass gland, brass ring & rubber ring for dust & moisture-proof entry of XLPE/PVC armoured cables for 4 core 35 sq mm.	Set.	2
19	Supplying and fixing compression type gland complete with brass gland, brass ring & rubber ring for dust & moisture-proof entry of XLPE/PVC armoured cables for 4 core 16 sq mm.	Set	2
20	Supplying and fixing compression type gland complete with brass gland, brass ring & rubber ring for dust & moisture-proof entry of XLPE/PVC armoured cables for 4 core 10 sq mm.	Set.	6
21	Finishing of the XLPE/PVC insulated armoured cable ends by soldering with cable sockets and insulated tapes etc., including supplying sockets, soldering materials, tapes etc. and making connection to switch, BDB and BBC etc. for 4 core 35 sq mm.	Set.	2
22	Finishing of the XLPE/PVC insulated armoured cable ends by soldering with cable sockets and insulated tapes etc., including supplying sockets, soldering materials, tapes etc. and making connection to switch, BDB and BBC etc. for 4 core 10 sq mm.	Set	6
23	Finishing of the XLPE/PVC insulated armoured cable ends by soldering with cable sockets and insulated tapes etc., including supplying sockets, soldering materials, tapes etc. and making connection to switch, BDB and BBC etc. for 4 core 16 sq mm.	Set	2
24	Finishing of the PVC insulated wire ends by socketting with pin/ring type copper sockets and insulated tapes etc., including supplying sockets, tapes for 2.5sqmm	Set	50

Sealed Quotation should be submitted to:

Head of the Department of Aerospace Engineering & Applied Mechanics
Indian Institute of Engineering Science & Technology, Shibpur
Howrah- 711103, West Bengal

Last Date of submission: 17.01.2018 (Wednesday) upto 2.00 pm
Date of Opening: 17.01.2018 (Wednesday) at 3.00 pm

(Dr. Koustuv Debnath)
Head of the Department of Aerospace Engineering & Applied Mechanics
Indian Institute of Engineering Science & Technology, Shibpur
Howrah- 711103, West Bengal

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2. Institute Website