

IITDh/IPS/2025-26/LPC/155
02nd Dec 2025

Invitation for Quotation

Name of the Work: Electrical Works of covered shed for the water tunnel setup at IIT Dharwad.

Location: Permanent Campus IIT Dharwad

With reference to the aforementioned work, quotations are hereby invited for the said work. Interested vendors with experience in said works can submit their quotes (*as per Annexure-I*) on their official letterhead, duly attested, **in a sealed envelope via post / courier** to the following address:

To,
IPS Office (NE-113),
First Floor Admin Block,
Indian Institute of Technology Dharwad,
Permanent Campus, Chikmalligwad.
Dharwad-580011.

Deadline for submission: 09th December 2025 up to 1300 hours

NOTE:

- Any quotes received after 1300 hours on 09/12/2025 will not be accepted.
- Name of the Work / LPC number and Firm name should be mandatorily written on the sealed cover.

Sd/-
Executive Engineer
Indian Institute of Technology Dharwad

Annexure -I

BoQ for Electrical Works for covered shed for the proposed water tunnel setup at Permanent Campus IIT Dharwad.

Sl. No.	Description	Unit	Qty.	Rate (₹)	Amount (₹)
1	Supply of XLPE aluminium armoured conductor 1100V grade confirming to IS 7098 (Pt-1) 1988 of 16sqmm 4 core.	Meter	100		
2	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size direct in ground including excavation, and refiling the trench etc as required but excluding sand cushioning, protective covering.				
2.1	Upto 35 sqmm	Meter	40		
3	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size in the existing RCC/Hume/Metal pipe as required.				
3.1	Upto 35 sqmm	Meter	60		
4	Fabricating supplying and mounting MS box made outSWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with= gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete. (Size Required: 750mm X 220mm X 900mm)				
4.1	14 SWG	cm2	20760		
5	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel making connections etc as required.				
5.1	100A, 30kA FPMCCB	Each	1		
6	Supplying and fixing 5A to 32A rating, 240/415V 10kA C curve miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections testing and commissioning etc as required.				
6.1	Triple pole	Each	3		

6.2	Single pole	Each	6		
6.3	Double pole	Each	1		
7	Supplying and fixing 32A 415V TPN industrial type socket outlet with 4 pole and earth metal enclosed plug top along with 32A C Curve TPMCB in sheet steel enclosure on surface or in recess, with chained metal cover for the socket outlet and complete with connections testing and commissioning etc as required.	Each	1		
8	Wiring for the circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
8.1	4X6 sq.mm +2X6 sq.mm earth wire	Meter	16		
8.2	4X4 sq.mm +2X4 sq.mm earth wire	Meter	15		
8.3	2X4 sq.mm + 1X4 sq.mm earth wire	Meter	35		
8.4	2X2.5 sq.mm + 1X2.5 sq.mm earth wire	Meter	40		
9	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mauling with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100 V to 270V 50/60Hz application. Compliance to IS 10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Power consumption. LED Efficiency> 130lm/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL / CPRI & any Government certified agency & Design &				

	Development facility certified by ISO 9001:2008. Housing with supplier word mark / name shall be Engraved / Embossing on the die cast housing / Body part Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source.				
9.1	LED Floodlight 100W	Each	8		
10	Fixing halogen/metal halide /SVL/IL/LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires	Each	8		
11	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete.				
11.1	3 Way	Each	3		
11.2	6 Way		3		
12	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.				
12.1	3 Module	Each	3		
12.2	6 Module		3		
13	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.				
13.1	6A One Way Switch	Each	2		
13.2	6A Three Way socket	Each	2		
13.3	16A One Way Switch	Each	4		
13.4	6/16A Universal Socket	Each	4		
14	Wiring for light point/ fan point/ exhaust point/ call point with 1.5 sq.mm FRLS PVC copper conductor single core cable in surface/ recessed medium class PVC conduit with modular type switch modular plate suitable GI				

	box and earthing the point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable etc as required.				
14.1	Group A	Point	5		
14.2	Group B	Point	3		
15	Supplying exhaust fan of 1440RPM of 300mm(12")size with bracket blades complete for light duty suitable to operate on 230V 50Hz, AC Supply.	each	3		
16	Fixing one exhaust fan after making a suitable notch in the wall and finishing with cement mortar and colouring to match the existing wall or brackets, with bolts and nuts and a 5A,ceiling rose with sufficient length of 23/0.0076 nch PVC insulated twin core wire of approved make with wire mesh and wooden frame.	Each	3		
17	Earthing with GI earth plate 600mm X 600mm X 3mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe 2.7 metre long etc. with charcoal/ coke and salt as required.	Set	1		
18	Supplying and laying 25mm X 5 mm GI strip at 0.5 meter below ground as strip earth electrode, including connection/ terminating with GI nut bolt spring washer etc as require. (Jointing shall be done by overlapping and with 2 sets of GI nut bolt & spring washer spaced at 50mm)	Meter	20		
19	Supply and fixing of lugs for the cable with insulation termination for 2.5sqmm (12Nos), 4sqmm (24Nos), 6Sqmm (12Nos) and 16sqmm (8Nos) works as required.	1Job	1		
20	Providing and laying of 32/40mm HDPE Double Wall Corrugated Pipes specified grade and conforming to IS 14930 & IS 16098 with latest amendments.	Meter	58		
21	Providing and fixing of 20mm Double compression Brass cable Glands.	Each	4		
TOTAL (₹)					
GST (₹)					
Grand total (₹)					

(Contractors Sign and Seal)