

Government of India

Ministry of Health & Family Welfare

Family Welfare Training & Research Centre-332, S.V.P. Road, Khetwadi Mumbai.

Tender enquiry no: FWTRC/lighting & Curtain Control system/ 2019-20 Date- 08/07/2019

TENDER NOTICE

FWTRC, Mumbai is inviting sealed tender in the prescribed format from the reputed agencies for “**Lighting & Curtain Control system**” at new Institutional & Hostel building of FWTRC at Plot no.6 & 6 A, Sector 18, New Panvel, Navi Mumbai as per Annexure-1.

Interested agencies can access the tender document, terms & conditions of the tender from the website of FWTRC, www.fwtrc.gov.in or collect personally from Administration section, FWTRC, Mumbai. The cost of tender document is Rs 500/-.

The last date of submission of tender is up to 19.07.2019 up to 5.00 PM.

The Director, FWTRC, Mumbai reserves the right to reject any or all tender without assigning any reason whatsoever.

Terms & Conditions

1. The tender fees of Rs. 500/- (Non Refundable) should be submitted with the tender in the form of DD/Pay-order in favour of Director, FWTRC, Mumbai.
2. The Bidder should inspect the site before filling in and submitting the tender for understanding the scope of work.
3. The tender is non-transferable, subletting will not be allowed
4. Rates shall be quoted including all govt. taxes, transportation, freight charges and packing charges, etc.
5. Tenders in the prescribed format as per Annexure – I shall only be considered. Offers not received in the prescribed format shall be rejected without any correspondence.
6. Tenders received after due date shall not be accepted.
7. Tenders sent by e-mail and fax shall not be considered.
8. Contract shall be awarded to the firm offering lowest net bundled price and not with the reference to the lowest prices quoted for the sub items.
9. The agency should complete the entire work as per the contract within 15 days from award of the contract.
10. The agency should submit Security Deposit of Rs. 1,00,000/-(Rupees One Lakh only) in the form of DD/ Pay order in favour of Director, FWTRC, Mumbai
11. Security Deposit will be returned after satisfactory completion of work and no Interest will be paid by FWTRC.

Sd/-
DIRECTOR,
FWTRC, 332 S.V.P. ROAD, KHETWADI, MUMBAI- 04
Phone -022-23881724 / 23893165

Technical Specifications

SR.NO	ITEM DESCRIPTION	TECHNICAL SPECIFICATIONS	QTY	Cost
1	KNX - 640MA POWER SUPPLY	EIB/KNX power supply produces and monitors EIB / KNX system voltage. The bus line is decoupled from the power supply with the integrated choke. The power supply is connected to the bus line with a bus connection terminal. A 30V DC auxiliary voltage is made available via an additional connection terminal. This voltage can be used to supply a further bus line (in connection with a separate choke).	2	
2	KNX - 12 CHANNEL - 10A SWITCHING ACTUATOR	The switch actuators are connected to the AC power supply directly instead of an extra voltage supply. It is able to switch 12 independent electrical AC loads or three-phase loads by the switch actuators with maximum output of 10A per output, as well as visible switching status.	1	
3	KNX - 8 CHANNEL - 10A SWITCHING ACTUATOR	The switch actuators are connected to the AC power supply directly instead of an extra voltage supply. It is able to switch 8 independent electrical AC loads or three-phase loads by the switch actuators with maximum output of 10A per output, as well as visible switching status.	2	
4	KNX -- 06 UNIVERSAL DIMMER ACTUATOR	Self-adaptive to 50/60 Hz grid frequency, the maximum load current of every control circuit is 3A/6A. Every output of dimming actuator can be switched and adjusted manually, and all the channels are with the function of short-circuit protection, over-load detection, temperature detection and overheating alarm.	1	
5	KNX- 04 CHANNEL - SHUTTER ACTUATOR	Curtain Actuator connect the KNX bus and other equipment's to form the building electrical equipment's control system, and it can control the AC load without additional power. The AC motor need to be rotated clockwise and anti-clockwise at the same time. The maximum load current for output of each control point is 10A (AC) or 2A(DC 48V)\8A(DC 30V)	2	
6	KNX/EIB PORT WITH EMBEDDED PROCESSOR FOR VISUALIZATION IN DIRECTOR ROOM & MEETING ROOM	The EIBPORT connects KNX or EnOcean building control with the IP world. Create individual visualisations intuitively with CONTROL L or almost automatically with the innovative visualisation CUBEVISION. Whether simple or complex – make use of over 50 integrated services for almost all automation tasks in building automation and integrate third-party applications such as Amazon® Alexa or IFTTT	1	
7	KNX - 08 FOLD PUSH INTERFACE BLACK COLOUR	This product can be used to control various kinds KNX actuators.eg. 1) Switch Actuator 2) Dimming Actuator 3) Temperature Controller 4) All need human-computer interface of device POWER SUPPLY OPERATING VOLTAGE 21 ~ 30V DC CURRENT CONSUMPTION MAX. 12 m A POWER CONSUMPTION MAX. 360m W AUXILLARY SUPPLY VOLTAGE 21-30V, DC	3	

8	KNX - 3.5" INTELLIGENT INTERFACE - TOUCH SCREEN	The Colour Touch Panel 3.5" TFT is used to display status and control various devices in the EIB/KNX system. When you touch some graphic button in the TFT operation system, the TFT will execute a predefined function, such as switch lighting, scene control or blinds/shutter control etc. The TFT is connected to the bus via the EIB connection terminals and need a 30V DC additional supply voltage, to assign physical address and configure the software parameter settings, and update the data directly through ETS SOFTWARE.	3	
9	KNX PRESENCE DETECTOR - CEILING MOUNT	Presence Detector via human body motion to control load automatically. Realizing a comfortable, save energy, security purpose of intelligent building, It can be applied in many occasion, such as Office, Meeting room, Rest room, corridor, warehouse, staircase etc.	2	
10	SURGE PROTECTOR	Prewired combined type 1 & type 2 spark gap based lighting current and surge arrester. Capable of protecting terminal equipment. Maximum system availability.	2	
11	FABRICATED DB TO HOUSE AUTOMATION COMPONENTS	Fabricated metal DB to house all automation components & MCB.	2	
12	6A SP MCB	ISI Mark, No line load bias. 10K MCB, Type 'C' curve, Colour Coded Handle, In accordance with IS/IEC - 60898 -- 1, ROHS Compliance.	38	
13	16A SP MCB	ISI Mark, No line load bias. 10K MCB, Type 'C' curve, Colour Coded Handle, In accordance with IS/IEC - 60898 -- 1, ROHS Compliance.	10	
14	40A DP ELCB (300 MA)	ISI Mark, ON / OFF Indication on Dolly, In accordance with IS: 12640 Part - 1 / IEC - 61008 -- 1, IP -- 20 Protected Terminal.	2	
15	DIMMABLE DRIVER FOR LED DOWN LIGHT	Phase angle dimmer support to range of 350 mA to 700 mA capacity to dim 15 Watt down light.	16	
16	KNX 2M METAL BOX	Metal box to be fixed for Automation Key Pad.	6	
17	EIB / KNX CABLE	EIB BUS cable for transmission of bus signal for intelligent automation systems, Op. Max. Voltage 250V, Temp. Range -5 Degree to +50 Degree, Minimum bending radius 7.5 x Cable	200	
18	CURTAIN MOTOR	Stage Curtain Motor for 300 Kgs of Fabric (max speed 1 Meter per second, 300 Kgs weight Carrying Capacity, 230 ACV 50 hz, 8 NM,)	1	
19	TRACK	10 Meter Track (90mm X 42mm Aluminium with Electro Phoresis Coating)	10	
20	TUBULAR MOTOR	6/28 Wired Tubular Motor with accessories (6 NM with 28 RPM Tubular Motor with 40 MM Tube, 230ACV 50 hz.)	4	
21	I & C	Installation, Commissioning, Programming and Automation Wiring as per site condition.	1	
			Total	
Installation, Commissioning, Programming and Automation wiring charges as per site condition				
			G.S.T.	
			Grand Total	

Signature with Seal

Date: