



केन्द्रीय खाद्य प्रौद्योगिक अनुसंधान संस्थान

CENTRAL FOOD TECHNOLOGICAL RESEARCH INSTITUTE

(ISO 9001:2000; ISO 14001 Organization & NABL Accredited Lab.)

(वैज्ञानिक एवं औद्योगिक अनुसंधान परिषद / Council of Scientific & Industrial Research)

चेलुवंबा मॅशन/Cheluvamba Mansion, मैसूर / Mysore- 570 020

cftri

NOTICE INVITING E-TENDER

No: E/EW/003/893/2019

21st NOVEMBER 2019

1. Online Item rate tenders are hereby invited through the e-tendering portal "<https://etenders.gov.in/eprocure/app>" in two cover system, for the Electrical work "Replacement of existing damaged Teak wood LT Meter board / box, Energy Meter, MCB complete set at CFTRI Staff Quarters area, CSIR-CFTRI, Mysore" from the registered firms or contractors of appropriate class having worked with CPWD, Railways, MES, Post & Telegraph Department., State PWD's, Semi Government organizations or those who have successfully carried out works for CSIR or its laboratories. The tenderers should have successfully completed at least three similar works amounting to 40% or at least two similar works amounting to 60% or at least one work amounting to 80% or above in a single contract of the estimated cost of work as shown in NIT **during the last five years, ending on the last day on the month previous to the one in which tender is being invited.** The contractors may apply with proof of fulfilling the above conditions along with copies of **PAN Card, GST registration number, valid firm's or contractor's registration of appropriate class, satisfactory work done certificates, valid Electrical contractor and supervisory license.**
2. The Estimated cost of work is **Rs. 03,09,528.00 (Rupees Three lakhs nine thousand and five hundred twenty eight only)** based on CPWD, DSR-2018 (Including relevant current cost index) and prevailing market rates inclusive of GST. The Earnest Money Deposit (EMD) is **Rs. 06,200.00 (Rupees Six thousand two hundred only)**. Duration of contract for carrying out of the work will be **60 days (Sixty Days)** from the date of commencement which shall be reckoned from the fifth day of issue of award letter.
3. **Bid Submission:** Bids shall be submitted through online at CPP Portal: <https://etenders.gov.in/eprocure/app> by the tenderer, as per date given in Critical Date Sheet below. The instructions for the submission of e-tender are available on the CPP portal i.e. <https://etenders.gov.in/eprocure/app> under the "Instruction for Online Bid Submission". All the intending tenderers are requested to go through these instructions before entering into the process of e-tendering and advised to visit again CPP Portal regularly till closing date of submission of tender for any **corrigendum/ addendum/ amendment. Manual tenders shall not be accepted.**

Critical Date Sheet:-

SL NO.	SCHEDULE OF ACTIVITIES	DATE AND TIME
1	Publish Date on CPP Portal	21.11.2019 from 03:00 PM
2	Bid document download Start date	21.11.2019 from 03:00 PM
3	Bid document download End date	29.11.2019 upto 03:00 PM
4	Seek clarification Start date	21.11.2019 from 03:00 PM
5	Seek clarification End date	26.11.2019 upto 05:00 PM
6	Bid submission start date	21.11.2019 from 05:00 PM
7	Bid submission End date	29.11.2019 upto 5:00 PM
8	Last date & time of submission of original Demand Drafts/FDR against the EMD at CSIR-CFTRI, Mysuru	02.12.2019 upto 3:00 PM
8	Technical Bid opening date (Cover – I)	02.12.2019 at 3:00 PM
9	Financial Bid opening date (Cover – II)	To be intimated later on

4. Detailed NIT with terms and conditions and other tender documents may be seen/downloaded from CPP Portal <https://etenders.gov.in/eprocure/app> . NIT may also be seen at CFTRI Website www.cftri.com.

**ADMINISTRATIVE OFFICER (AO),
CSIR-CFTRI,
MYSURU-570020.**

Additional and General information regarding Electrical Items for all Electrical Contract work at CSIR-CFTRI, Mysore and it should be incorporate in Electrical Tender works.

- Point wiring means 2 nos. of wires from switch box to assigned point via controlling switch unless otherwise specified; each point should be controlled by a separate switch. Both at the switch box and fitting up to 6Cms. of wire to be left for looping. Both phase & neutral wire are to be brought from the junction box to all switch boxes and all switch board earthing wiring should be available.
- All Electrical light fittings (preferably) of Philips / Wipro / Bajaj make and Fan Crompton / Usha make. (5 star rated) and ceiling fan regulator make : LISHA.
- Point wiring means supply and fixing of wire, pipe, ceiling rose, holder, switch and switch box etc. For socket point wiring earthing separate wire should be drawn.
- All PVC insulated copper wires of FRLS are of FINOLEX / POLYCAB / V-Guard make.
- PVC Conduit pipe is VIP make & Casing & Capping is MODI / PRESTO-PLAST make.
- Each circuit should not have more than 8 points.
- Junction boxes / inspection boxes should be fixed at suitable intervals for sub main wiring / mains wiring.
- All Modular switches, bell pushes, sockets are of ISI marked with silver tipped contacts. Ceiling rose and heavy-duty angle holders, all the above shall be of Legrand / Crabtree make. White Colour.
- All Modular switch Boxes should be of Fire resistant high grade plastic type.
- MCB's, MCCB's should be LEGRAND / SCHNEIDER / ABB / INDO-ASIAN make.
- The entire damaged portion should be plastered to the original position with the original Colour. After Closing / Cementing the trench it should be leveled and consolidated to the level of the surrounding surface area.
- Cable Route Markers are to be provided at 6 Mtrs. spans and all corners and cable turning points.
- Sufficient space should be available in the Bus-bar box and MCCB chamber for U.G. cable connection.
- All switch board should have atleast one 5A or 15A socket and phase, neutral should be brought to all switch board.
- To the possible extent all lights should have independent control.
- One Master Switch to be provided to each switch board for group control of light and fan.
- Trench cutting is to be consolidated to the original ground level and debris should be disposed to the shown place within 500 Mtrs. distance.
- U.G. Cable should be POLY CAB / V-GUARD / UNIVERSAL / PRIME CAB / CCI make.
- Light fittings should be Prescribed model & make in the estimate. It should be prewired and fitted with light for ready use.
- If more than one make is given, institute will choose the make at its discretion.
- Earthing should be maintenance free, by bracing 2M,1.6mm thickness copper tube inside the 40mm GI pipe center at least 4 joints with GI pipe, and it should be inserted inside the 2.5 Mtr trench. Copper bus-bar of 250x50x3 mm should be connected on the top of the copper tube (Exothermically welding) and 4 holes are to be provided for connecting earthing wire. The trench should be filled with at-least 75kg chemical earth enhancing compound, It should be a little alkaline in nature with pH value >7 but <9, test certificate from NABL approved laboratory to be provided for the composition so designed and the top of the earth pit should be covered with high grade poly-propylene plastic material with front lock cover.
- Prior to disconnection of any cable / wire / connection of new cable / wire care should be taken and safety precautions is to be taken by switching off supply / removing fuse and Electrical isolation of the work under attention with prior advise to Electrical section of E & MM department.
- The fixing charges for Exhaust fan is inclusive of all the civil works such as making necessary opening on wall, making good of disturbed surface, fixing fan frame, exhaust fan and connecting the fan from to ceiling rose with three core flexible wire with stranded copper conductor of 1.5 sq.mm. Complete all as specified and directed by Engineer in charge.
- For Exhaust fan / Ceiling fan point wiring 1.5 Sq.mm. Earth wire shall also be provided along with point wiring.
- One sample piece of material is to be shown to Institute Engineers for approval prior to bulk supply.
- The quantity given are approximate and will increase / decrease according to site condition / R & D requirement.
- Substitute items / New items may be required as per R & D work.
- The size of cable trench shall be not less than 30cm wide, 60cm depth and filled with 8cm **dry R/M -sand** before laying and 10cm **dry R/M - sand** after laying of cable shall be provided.
- The brick protection with well burnt class 'B' bricks shall be provided in such a way that the length of the brick is perpendicular to cable length direction (i.e. minimum 8.69 brick need to be laid for 1mtr. Cable laid).
- The quoted rate for laying of LT cable inclusive of excavation, returning & filling and removal of surplus soil.
- The demolition rate for concrete / bituminous / road is also inclusive of removal of debris to a distance not exceeding 500 Mtrs. from the starting point.
- The dimensions in the panel and arrangements of switch gears, bus-bars shall be as per the guide lines given by E & MM executives and the contractor has to take necessary approval of the panel drawings from Head, E & MM before placing order to manufacturer.
- The cable laying / fixing charges is inclusive of providing necessary Cable and Termination Lugs and Cable glands at both ends of the Cable.