



INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI
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CORRIGENDUM

Ref. No. IITG/SNP/EP/OF-287/2022-23

Tender ID: 2022_IITG_719743_1

In reference to the above-mentioned tender notice, the following technical specification may be considered in place of the Technical specification mentioned in the NIT dated 24.10.2022.

TECHNICAL SPECIFICATIONS FOR SUPPLY, INSTALLATION AND COMMISSIONING OF HEAVY DUTY ELECTRICAL ENGINEERING WORKBENCH

OVERALL DIMENSIONS: 1800mm X 1000mm X 1650mm (LBH)

FRAMEWORK: Vertical Leg members are made from SHS conforming to IS:4923 of size 60mmx60mmx3.2mm thick (Make: TATA) and the horizontal members supporting the worktop and the vertical legs at skirting level, are made from RHS conforming to IS:4923 of size 60mmx40mmx3.2mm thick (Make: TATA). The top shelf is mounted on RHS of size 40mmx20mmx2mm thick and brackets made from 3.0mm thick CRCA MS sheet metal fixed onto the vertical section of the workbench. Four M12 level adjusters shall be provided under the bottom of the vertical legs for an adjustment up to 10mm.

Trunking: Two electrical trunking made from 1.6mm thick CRCA MS sheet metal are fixed on the vertical section of the workbench with a 12mm engineered wood fascia with 0.8mm thick edge banding applied using EVA hot melt glue at 120°C-150°C for mounting electrical switch, sockets, etc. The electrical raceway Facias shall be installed on various threaded metal inserts for durability of the mounting system and ease of maintenance. And all the electrical raceways / panel boxes shall also be provided with adequate electrical insulation so that there is no leakage.

Coating & Finish: The complete understructure is epoxy powder coated after 7 step pre-treatment process and has undergone the salt spray test. The coating thickness must be uniform at DFT >70 microns and the compliance test of coating as per ISO 2808 standard must be done by the successful bidder at installation site at the time of delivery.

Load Capacity: One thousand kilograms (test report to be provided). Vibration is not acceptable while working with full load on the bench.

TABLE TOP: 25mm thick engineered wood conforming to Grade II Type II of IS 12823 specification with 0.8mm thick edge banding, applied using EVA hot melt glue.

SHELF: 25mm thick engineered wood conforming to Grade II Type II of IS 12823 specification with 0.8mm thick edge banding, applied using EVA hot melt glue make.

UNDERBENCH STORAGE: The full length under bench Storage module shall be made from 25mm thick Engineered wood conforming to Grade II Type II of IS 12823 specification with 0.8mm thick edge banding, applied using EVA hot melt glue make. It shall have two swing doors with Cam locks. The doors are to be mounted on soft closing Auto hinges (Make: Hettich). It shall have one shelf in the middle. The other part too shall have one shelf without shutters and lock. The entire unit is mounted on the RHS of the understructure framework to avoid sagging once load is applied on the cabinets. The bidders must submit shop drawings of the proposed workbench along with their technical bids reflecting the technical specifications/features.

Fasteners – High quality metal screws and high-tension fasteners (Make: TVS/UNBRAKO).

Add-ons: Each workbench shall be supplied with 4Nos High Rise Stools. The round SS seat size shall be Dia 400mm (± 10 mm). The Seat height shall be adjusted to the minimum of approximately 750 mm. Full 360 degrees swivel mechanism. The pneumatic height adjustment shall have an adjustment of 10.0 cm and the gaslift should be as per BIFMA 5.1 standards. The pedestal shall have pitch-centre dia of 66 cm. All steel structural components shall be processed and made from virgin material sourced from SAIL/Tata Steel/Jindal or equivalent manufacturer. 660 mm dia five pronged nylon base, tested upto 1200 kg impact load to evaluate the stability of the pedestal to withstand stress. Castors providing with the base are 100% nylon made. The pedestal shall be incorporated with 400mm dia circular footrest made from 200D tube of wall thickness of 1.6mm and four support in aesthetically designed laser cut curve shape from 4mm thick MS CRCA so as to support the legs while being seated. The powder-coated components should be tested for the Scratch resistance test as per ISO 1518; ASTM 2793 & for the Impact resistance test as per ISO 6272; ASTM D2794.

Demonstration: The bidders may be asked to demonstrate the item prior to placement of order by the committee therefore they should be ready for the same. The cost/expense of demonstration (if any) shall be borne by the bidders.

Quality & Certifications: The quality of raw materials, hardware, accessories, processing thereof and workmanship must be as per given technical specifications and should be laboratory grade. Any deviation will not be accepted. The performance of the product under controlled experimental lab conditions over a period of time is critical and must be ensured. OEM must mandatorily be ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 and ISO 50001:2018 certified by NABCB India or by a Certification Body which has been accredited by an IAF signatory member and copies of valid, genuine and verifiable certificates must be submitted.

Installation: The installation team must be well trained in installation of such lab benches. The installation should be carried out in close co-ordination with the lab in-charge without hindering ongoing research work and use of other critical equipment in the lab during the time of installation as far as possible. The cost of any damage/loss caused to the existing lab equipment/apparatus shall have to be borne by the vendor. Entire IQ/OQ/PQ protocols must be filled up and submitted to concerned authority after completion of the installation at no extra cost.

After Sales Service: The bidder must have a fully equipped service centre in Guwahati for last 5 years preceding the date of bid submission to be able to attend to service calls without delay. The bidder should be in a position to provide satisfactory after sales service and must be able to provide quality maintenance service after expiry of guarantee/warranty period by maintaining sufficient stock of spare parts etc. and serviced mechanics at Guwahati. Bidder shall provide names of at least 2 technicians along with their contact numbers deputed at their Guwahati Service Centre. The purchase committee at its discretion may inspect the service centre to evaluate the facility and capabilities of the deployed personnel.

Experience: Bidder must have at least 7 year experience in supply and installation of similar workbenches for Electronics & Electrical Engineering Laboratories in CFTIs like IIT, NIT, IISc, etc. Copy of POs must be submitted.

Last date of bid submission is extended till 22.11.2022 at 15.00 HRs.

Date of bid opening is set on 23.11.2022 at 15.00 HRs

Sd/-
JR(S&P)