

 <p>IIT PALAKKAD</p>	<p>भारतीयप्रौद्योगिकीसंस्थानपालक्काड Indian Institute of Technology Palakkad अहलिआएकीकृतकैम्पस, कोज़िहपारा Ahalia Integrated Campus, Kozhipara पालक्काड- 678557 Palakkad – 678 557</p>	<p>दूरभाषसंख्या/ Phone no: 04923 – 226 300/590/586</p> <p>ईमेल/ Email : purchase@iitpkd.ac.in</p>
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Prof. Job Kurian
Registrar i/c

Ref : Setting up of a Computer Lab at transit campus of IIT Palakkad
Date : 24.04.2018

Open Tender No: IITPKD/CSE/PPK/005/2018

Due Date: 15.05.2018 @ 3.00 PM

Dear Sir/Madam,

On behalf of the **Indian Institute of Technology, Temporary campus, Palakkad, Quotations are invited for “Setting up of a Computer Lab at Transit campus of IIT Palakkad”**. The Specifications are given in the Annexure.

PART A.	Computers: One Hundred and Twenty (120) All in one system.
PART B.	Computer tables: Computer tables for keeping one hundred and twenty (120) computers
PART C.	Revolving Chairs: one hundred and twenty eight (128) Chairs.
PART D.	Networking Components : Switches and cables

Pre-bid meeting – The pre-bid meeting is scheduled to be held on 27.04.2018 at 11.00 A.M at Conference Room, Academic Block, IIT Palakkad.

Technical bid Opening: The Technical bid will be opened on 15.05.2018 at 3.00 PM at Conference Room, Academic Block, IIT Palakkad.

Instructions to the Bidder

- a) **Preparation of Bids:** - The tenders should be submitted **under two-bid system (i.e.) Technical bid and Financial bid in separate envelopes.** The technical bid should consist of all technical details along with commercial terms and conditions. No prices should be included in technical bid. Financial Bid should indicate item – wise prices for the items mentioned in the technical bid. The technical and the financial bids should be put in separate covers and sealed. Both sealed covers should be put into a bigger cover. **Bids must either be spiral bound / stapled together. No loose sheets will be accepted. All pages must be numbered.**
- b) **The bidder may quote for one or more parts (Part A, Part B, Part C, Part D) above. However with in any part, the quotation should be made for all items together and no further splitting would be allowed. For each part mentioned above, the purchase order for that part will be given to the successful bidder (technically qualified) who quotes the lowest amount for the respective part.**

- c) **The Quotations duly sealed and superscribed on the envelope with the reference No. and due date, should be addressed to the undersigned so as to reach on or before the due date stipulated above.**
- d) **Delivery of the tender:** - The tender shall be sent to the below-mentioned address either by post or by courier so as to reach this office before the due date and time specified in the Schedule. The offer/bid can also be dropped in the tender box on or before the due date and time specified in the schedule. **The tender box is kept in the office of the Academic Block, IIT Palakkad, Ahalia Integrated Campus, Kozhipara, Palakkad-678 557.**
- e) **Opening of the tender:** - The offer/Bids will be opened by a committee duly constituted for this purpose. The technical bids will be opened first and will be examined by a technical committee which will decide the suitability of the bid as per our specifications and requirements. The bidders will be invited for opening of Technical bids. **The Bidder's representative should carry authorization letter from their company empowering them to participate in the Pre-bid and tender opening meetings.** In respect of opening of financial bid, those bidders who are technically qualified only will be called.
- f) **Prices:** - The price should be quoted in net per unit (after breakup) and must include all packing and delivery charges indicated separately for each item. **The price indicated should be CIF/CIP Kochi.** The offer/bid should be exclusive of taxes and duties, which will be paid by the purchaser as applicable. The price should be quoted without custom duty. **The custom duty will be paid at concessional rate against duty exemption certificate.**
- g) **Agency Commission:** - Agency commission, if any, will be paid to the Indian agents in Rupees on receipt of the equipment and after satisfactory installation. Agency Commission will not be paid in foreign currency under any circumstances. The details should be explicitly shown in Tender even in the case of 'Nil' commission. The tenderer should indicate the percentage of agency commission to be paid to the Indian agent. **Terms of Delivery:** - The item should be supplied to our Institute as per Purchase order. The installation and commissioning should be completed as specified **by us in the attached schedule.**
- h) **Acceptance & Rejection:** IIT Palakkad reserves the full right to accept / reject any tender at **any** stage without assigning any reason.

Yours sincerely,

Registrar, IIT Palakkad

SCHEDULE

Important Conditions:

1. The due date for the submission of the tender is **15.05.2018 @ 3.00 PM**
2. The offers / bids should be submitted in two-bids systems (i.e.) Technical bid and financial bid. The Technical bid should consist of all technical details / specifications only. The Financial bid should indicate item-wise price for each item and it should contain all Commercial Terms and Conditions including Taxes (separately), transportation, packing & forwarding charges, installation, guarantee, payment terms, pricing terms etc. The Technical bid and financial bid should be put in separate covers **superscribed clearly as “Technical Bid” and “Financial bid”** and sealed. Both the sealed covers should be put in a bigger cover. Open Tender for **“Setting up of Computer Lab at transit campus of IIT Palakkad”** should be written on the left side of the Outer bigger cover and sealed.
3. **EMD: -EMD should be at 2% (two percent) of the tender value quoted by the bidder.** The EMD should be enclosed with the financial bid which will not be opened for Technical evaluation. Enclosing the EMD in the Technical bid will automatically **DISQUALIFY** the tenderer. EMD should be in the form of DD in favour of **“Indian Institute of Technology Palakkad” and payable at Palakkad**. The tender without EMD would be considered as UNSOLICITED and will be REJECTED. Photo/FAX copies of the Demand Draft/Banker’s pay orders will not be accepted. No interest will be paid for the EMD and the EMD will be refunded to the successful bidder on receipt of Performance Security.
4. The bidder may quote for one or more parts (Part A, Part B, Part C and Part D). Technical and Financial bid for each part must be enclosed in separate envelopes. EMD for each part should be enclosed in the respective financial bid. All the financial and technical bids must be put in one big envelope and delivered to the purchase section. The evaluation will be done for each part separately and purchase order will be given to the technically qualified bidder, who quotes the lowest price for the respective part. For each of the parts the technical evaluation will be done based on the mandatory requirements for that part mentioned in the specifications.
5. **Performance Security:-**The successful bidder will be asked to submit Performance Security for an amount of 5% of the value of the contract/supply. The Performance Security may be furnished in the form of an Account Payee DD or FD Receipt from the commercial bank or Bank Guarantee from any nationalized bank of India. **Only after submission of Performance Security, Purchase Order/Work Order will be released / L.C will be opened.**
6. **Performance Security in the form of Bank Guarantee:-** In case the successful bidder is a foreign company and wishes to submit Performance Security in the form of Bank Guarantee, the Bank Guarantee should be routed through the Beneficiary Bank to the end user bank. Otherwise, the Indian Agent of the foreign vendor has to submit a Bank Guarantee from a Nationalized Bank of India.
7. The Bank Guarantee should remain valid for a period of sixty days beyond the date of completion of all contractual obligations of the supplier including the warranty obligations.
8. If an Indian agent is involved, the following documents must be enclosed:
Foreign principal’s proforma invoice indicating the commission payable to the Indian Agent and nature of after-sales service to be rendered by the Indian Agent.

9. Copy of the agency agreement with the foreign principal and the precise relationship between them and their mutual interest in the business.
10. The offer/bids should be sent only for a **system or equipment** that is available in the market and supplied to a number of customers. A list of customers in India and abroad with details must accompany the quotations. Quotations for a prototype machine will not be accepted.
11. Original catalogue (not any photocopy) of the quoted model duly signed by the principals must accompany the quotation in the Technical bid. No prices should ever be included in the Technical bid.
12. Compliance or Confirmation report with reference to the specifications and other terms & conditions should also be obtained from the principal.
13. **Validity:** Validity of Quotation not less than 90 days from the due date of tender.
14. **Delivery Schedule:-** The tenderer should indicate clearly the time required for delivery of the item. In case there is any deviation in the delivery schedule, liquidated damages clause will be enforced or penalty for the delayed supply period will be levied.
15. **Risk Purchase Clause:-** In the event of failure of supply of the item/equipment within the stipulated delivery schedule, the purchaser has all the right to purchase the item/equipment from other sources on the total risk of the supplier under risk purchase clause.
16. **Payment:-** No Advance payment will be made for Indigenous purchase. 100% Payment after supply and successful installation and commissioning and certification by the end user. In case of import supplies the payment will be made only through **100% Letter of Credit i.e. (50% payment will be released against shipping documents and 50% after successful installation and meeting acceptance criteria wherever the installation is being done).**
17. **On-site Installation:** - The equipment or machinery has to be installed and commissioned by the successful bidder within 15 to 20 days from the date of receipt of the **item at site of IIT Palakkad.**
18. **Warranty/Guarantee:** - The offer should clearly specify the warranty or guarantee period for the machinery/equipment. Any extended warranty offered for the same has to be mentioned separately. (For more details please refer our Technical Specifications).
19. **Late offer:** - The offers received after the due date and time will not be considered. The Institute shall not be responsible for the late receipt of Tender on account of Postal, Courier or any other delay.
20. **Loading and unloading charges will be borne by the bidder/Supplier.**
21. **Acceptance and Rejection:** - I.I.T. Palakkad has the right to accept the whole or any part of the Tender or portion of the quantity offered or reject it in full without assigning any reason.
22. **Do not quote the optional items or additional items unless otherwise mentioned in the Tender documents / Specifications.**

23. Disputes and Jurisdiction: - Any legal disputes arising out of any breach of contract pertaining to this tender shall be settled in the court of competent jurisdiction located within the city of Palakkad in Kerala.

24. All Amendments, time extension, clarifications etc., will be uploaded on the institute website only and will not be published in newspapers. Bidders should regularly visit the above website to keep themselves updated. No extension in the bid due date/ time shall be considered on account of delay in receipt of any document by mail.

Acknowledgement:- It is hereby acknowledged that the tenderer has gone through all the conditions mentioned above and agrees to abide by them.

**SIGNATURE OF TENDERER
ALONG WITH SEAL OF THE
COMPANY WITH DATE**

**TECHNICAL SPECIFICATION FOR SETTING UP OF COMPUTER
LAB (ROOM 09 and 10),AT TRANSIT CAMPUS IIT PALAKKAD**

Part A. Specifications for Desktop PCs- All in One – 120 Nos.

A.1. All-in-one specification (with Linux OS). Number of Items required - 49

1. Form - All in one desktop
2. Processor: Intel Core i5 7th/8th Gen Processor (6MB Smart Cache)
3. RAM - 16 GB DDR4
4. HDD - 1 TB 7200 RPM SATA
5. Motherboard- OEM Logo should be embedded, No Sticker Allowed.
6. Graphics Support - Separate or integrated HD Graphics card which can support the maximum resolution of the monitor specified below.
7. Monitor - 24" full HD IPS LCD with anti-glare coating. Anti-Glare LED-Backlit Display
8. Table mounting kit: double folded, height and tilt adjustable mounting kit should be standard accessory provided by the OEM for the specific all-in-one desktop model (mentioned above). A photo of the all-in-one mounted on a table should be provided with the quotation.
9. Optical Mouse - wired
10. Standard Keyboard - wired
11. Ports - USB 3.0, HDMI /Display Port , Audio IN/OUT
12. Ethernet-Integrated Gigabit (10/100/1000 NIC) LAN + wireless 802.11ac
13. Slots: 1.0 MP 720P HD Web-cam (or better).
14. Power Cord India
15. Operating System - Ubuntu 16.04 LTS (Installation cost, if any should be included in the bid)
16. Energy efficiency : Energy star certified
17. Warranty : 5 yrs on-site warranty From OEM on both desktop and table mounting kit.
18. Installation : Installation of software and also installation of table mounting kit are inclusive
19. Service : Must be provided by the OEM itself.

A.2. All-in-one specification (Dual boot with Windows 10 Professional and Linux). Number of items required - 71

1. Specification is the same as A.1. above except changes in the following :
2. Operating System - Dual boot with Ubuntu 16.04 LTS and Windows 10 professional
3. Warranty : 5 yrs on-site warranty From OEM.
4. Warranty should include free re-installation of licensed OS, in case of machine repair / replacement.

Eligibility Criteria:

- 1. Original Equipment Manufacturer (OEM) of computers or authorized dealers can participate in the bidding.***
- 2. Supplier/OEM should have significant experience in setting up such computer lab with at least 50 Computers or more as a turnkey projects during the last 3 years. Proof or contact details of at least one such installation to be submitted along with the technical bid.***
- 3. Make and model no of computers, Power connectors and accessories should be specified clearly in the technical bid.***

Part B.Computer Laboratory Table for 120 computers

B.1. Single Side Table : Number of Items required - 30

1. Mention the brand name and model no. of furniture.
2. **A sample picture of the furniture should be provided along with the technical bid.**
3. All metal components should be powder coated with 40-60 microns. There should be separate raceways to accommodate data and power cables.
4. Table top should have particle board of atleast 25mm thick
5. 50 mm powder coated square leg
6. Colour: white
7. Matte finish
8. Rack ways to hold cables under the table top
9. Power points and Network ports for each table should be done by the vendor with necessary materials required. (**As per Front view and Front view large table Figure**)
10. The furniture should be erected inside the lab.
11. Dimension (**As per Single side table top view Figure**)
 - i. Length 1500 mm
 - ii. width 600 mm
 - iii. height 750 mm
 - iv. 2 holes on top for cable to pass

B.2. Double Side Table :Number of Items required - 12

1. Specification is the same as B.1. above except changes in the following :
2. Dimension (**As per Double side table top view Figure**)
 - i. Length 1500 mm
 - ii. width 1200 mm
 - iii. height 750 mm
 - iv. 4 holes on top for cable to pass

B.3. Double Side Larger Table :Number of Items required - 3

1. Specification is the same as B.1. above except changes in the following :
2. Dimension (**As per Double side large table top view and Front view large table Figure**)
 - i. Length 2250mm
 - ii. width 1200mm
 - iii. height 750mm
 - iv. 4 holes on top for cable to pass

Part C. Revolving Chairs

C.1. Medium Back Chair. Number of Items required - 122

1. Medium Back (back support mesh type)
2. Fixed back with lumbar support,
3. Cushioned Seat,
4. Adjustable Seat Height,
5. Fixed Arms Armrest,
6. Revolving Chair,
7. Swivel & Wheels,
8. Black in color.

C.2. High Back Chair. Number of Items required - 6

1. High Back (back support mesh type),
2. Center Tilt mechanism with Seat Lock, with lumbar support,
3. Cushioned Seat,
4. Adjustable Seat Height,
5. Adjustable Armrest,
6. Revolving Chair,
7. Swivel & Wheels,
8. Black in color.

Part D. Network Components

D.1. Network switch and LAN Base: Number of items required - 5

1. 19" Rack Mountable (Enterprise series)
2. **48 RJ-45** autosensing 10/100/1000 ports and 4 SFP+ 1/10GbE ports *
3. 1 dual-personality (RJ-45 or USB micro-B) serial console port
4. 1GB SDRAM and 12 MB Packet buffer size
5. switching capacity of 128 Gbps
6. The Switch should support atleast 32000 MAC address
7. Software Defined Networking (SDN) Capability
8. should support Jumbo packet
9. should support Secure Sockets Layer (SSL)
10. should support MAC address lockout
11. Switch management logon security
12. support IEEE 802.3az Energy-efficient Ethernet (EEE) to reduce power consumption
13. Operating temperature 0°C to 45°C
14. Safety and Emission standards including EN 60950; IEC 60950; VCCI Class A; FCC Class A
15. **Warranty and Support:**
 - i. Warranty shall be directly from the switch OEM.
 - ii. **True Lifetime warranty** with advance replacement and next-business-day delivery.
 - iii. Software upgrades/updates should be included as part of the warranty

D.2. Network switch and LAN Base: Number of items required - 2

1. 19" Rack Mountable (Enterprise series)
2. **24 RJ-45** autosensing 10/100/1000 ports and 4 SFP+ 1/10GbE ports *
3. 1 dual-personality (RJ-45 or USB micro-B) serial console port
4. 1GB SDRAM and 12 MB Packet buffer size
5. switching capacity of 128 Gbps
6. The Switch should support atleast 32000 MAC address
7. Software Defined Networking (SDN) Capability
8. should support Jumbo packet
9. should support Secure Sockets Layer (SSL)
10. should support MAC address lockout
11. Switch management logon security
12. support IEEE 802.3az Energy-efficient Ethernet (EEE) to reduce power consumption
13. Operating temperature 0°C to 45°C
14. Safety and Emission standards including EN 60950; IEC 60950; VCCI Class A; FCC Class A
15. **Warranty and Support**
 - i. Warranty shall be directly from the switch OEM.
 - ii. **True Lifetime warranty** with advance replacement and next-business-day delivery.
 - iii. Software upgrades/updates should be included as part of the warranty

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D.3. LAN Cable

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CAT6 cables 3 bundles (each bundle should be at-least 305 meters)

Other terms and conditions applicable for all parts.

1. Entire supply, erection, commissioning and testing should be completed **within one month** from the date of Purchase order.
2. All tools for erection should be brought by the vendor.
3. No damages should be done to floor or walls for laying the cables, necessary casing /Capping should be done. Reversible changes are allowed.
4. No cable should be exposed in moving space of the floor.
5. The technically qualified vendors may be required to demonstrate the quoted product.

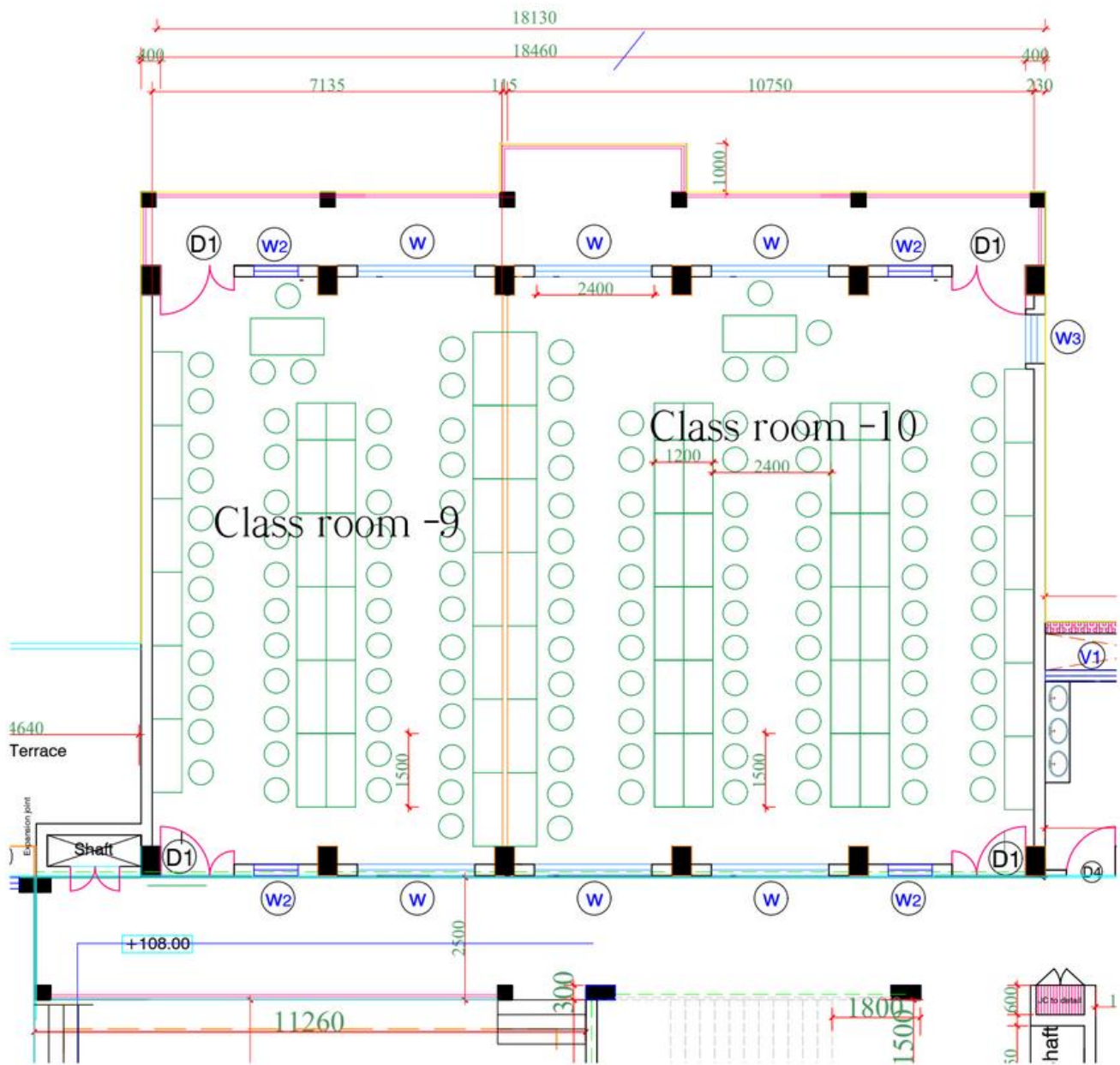


Figure 1 : Layout of computer labs

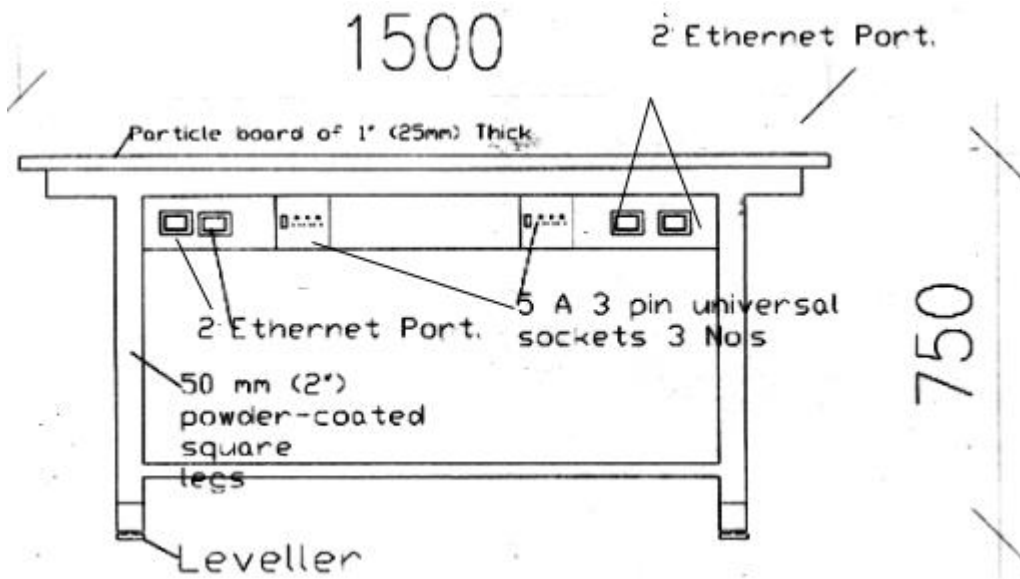


Figure 2: Front view

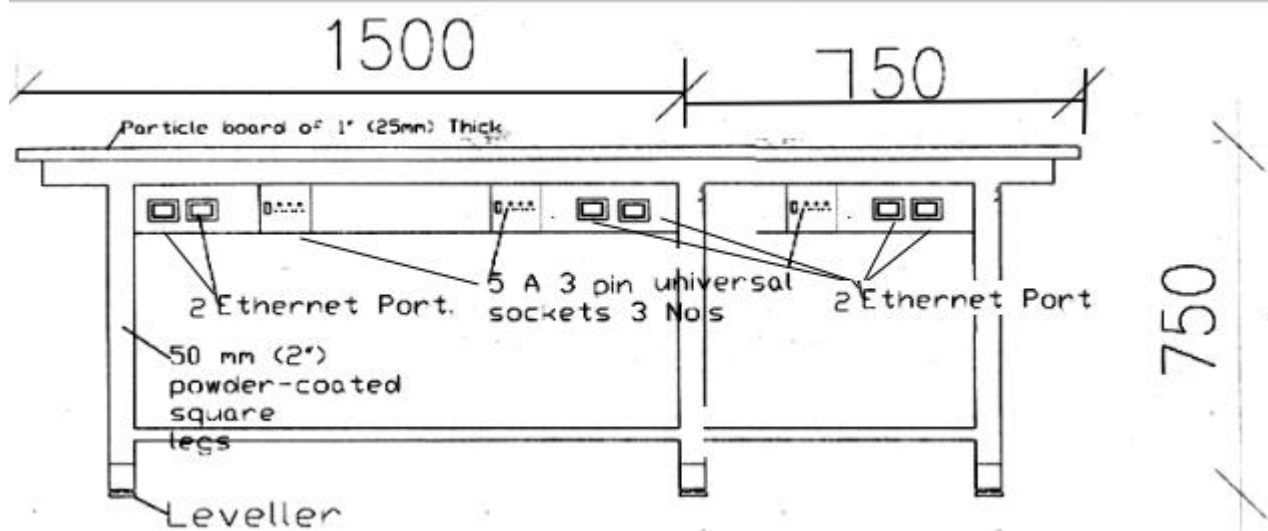


Figure 3: Front view large table

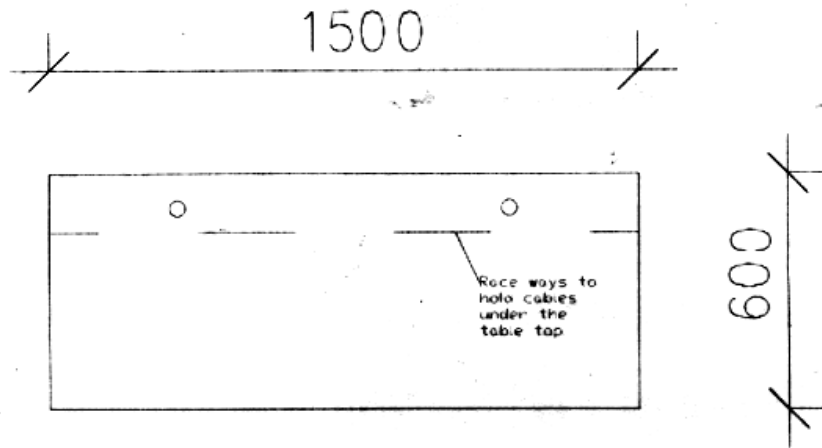


Figure 4: Single side table top view

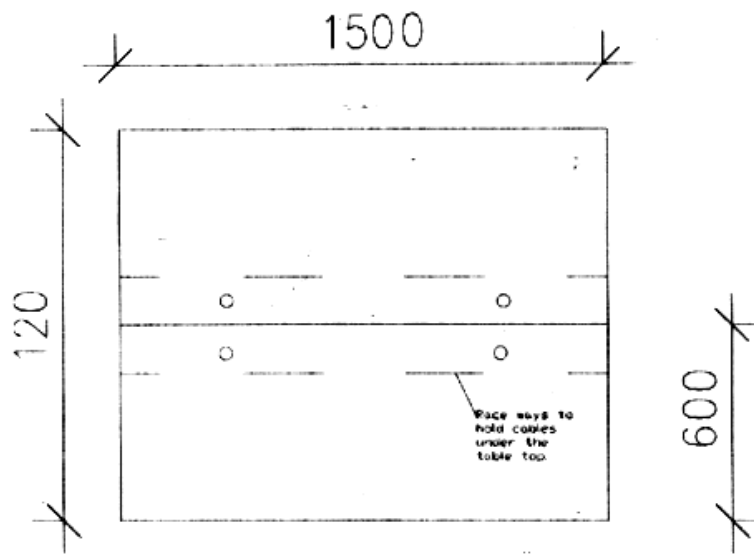


Figure 5: Double side table top view

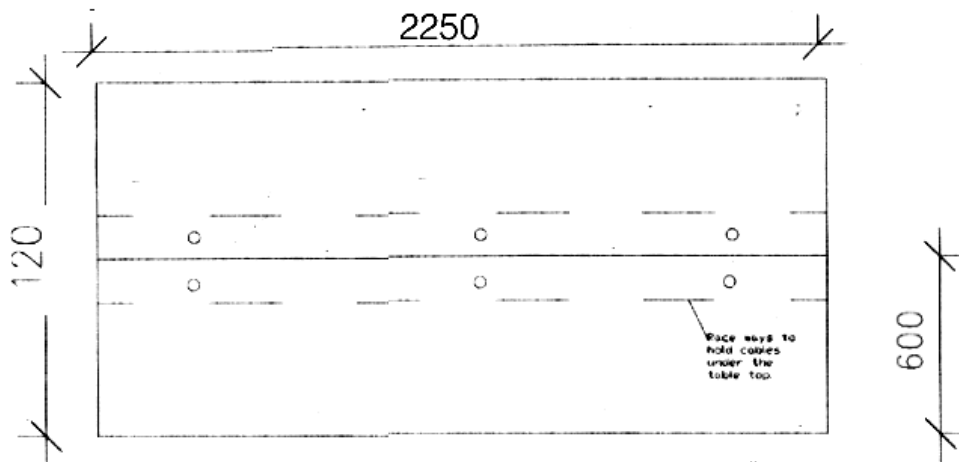


Figure 6 : Double side large table top view