

Indian Institute of Information Technology, Bhopal
(Mentor Institute—MANIT Bhopal)

E-TENDER DOCUMENT
FOR

Supply & Installation of Electronics Work Benches with Centralized wireless
monitoring system

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INDEX

SN	Description	Page No
1	E-Notice Inviting Tenders	3
2	Important Information at a Glance	4
3	Chapter-I--- Instructions to Bidders	5-11
4	Chapter-II--- Eligibility & Qualification Criteria	12
5	Chapter-III--- General Conditions of Contract	13
6	ANNEXURE-1 --Bill of Quantity	14
7	ANNEXURE-2 --Technical Specifications of Items /Equipments	15-16
8	ANNEXURE-3 --Primary Compliance Statement	17
9	ANNEXURE-4 --Format for submission of Price Bid	18
10	ANNEXURE-5 --Undertaking from Bidder	19
11	ANNEXURE-6 --Manufacturers Authorization Certificate	20
12	ANNEXURE-7 --Format of Performance Bank Guarantee	21-22

Indian Institute of Information Technology, Bhopal
(Mentor Institute—MANIT Bhopal)

No. MANIT/S&P/2019:07

Date:21/01/2019

NOTICE INVITING TENDERS

Sub: Supply & Installation of Electronics Work Benches with Centralized wireless monitoring system

Indian Institute of Information Technology Bhopal (IIIT-Bhopal) is one of the Institutes under Not-for-profit public private partnership (N-PPP) mode, set up with the objective of making available facilities for higher education, research and training in various fields of information technology. Maulana Azad National Institute of Technology Bhopal (MANIT) is the mentor Institute for IIIT-Bhopal. At present, IIIT-Bhopal is operating from its temporary premises at Maulana Azad National Institute of Technology Bhopal (MANIT Bhopal) till the time its new campus is made operational at Bhopal, Madhya Pradesh.

E-Tenders (in two bid system) are invited for Supply & Installation of Electronics Work Benches with Centralized wireless monitoring system. Interested Company/Partnership firm/ Proprietary firm/Agencies may log on mentor Institute website www.manit.ac.in for further details. Tender Document can only be downloaded after registration of bidder on the website <https://eprocure.gov.in/eprocure/app>

Last date of receipt of complete tender document is 14/02/2019 **up to 11.00 hours**. The Director of the Institute reserves the right to accept or reject any or the entire tender in full or in part without assigning any reason whatsoever.

Nodal Officer

Indian Institute of Information Technology, Bhopal
(Mentor Institute—MANIT Bhopal)

IMPORTANT INFORMATION AT A GLANCE	
Tender No & Date	No. MANIT/ S&P/2019: 07
	Date: 21/01/2019
Scope of Tender	Supply & Installation of Electronics Work Benches with Centralized wireless monitoring system
Approximate cost of Work	Rs. 3500000.00 (Inclusive of all taxes)
Location of Supplies & Installation	MANIT- Bhopal & its premises.
Tender Document	Tender Document can be downloaded free of cost from Institute Website: www.manit.ac.in
Date & Time of Pre-bid Meeting	06/02/2019 at 15:00 hours Committee Room, Administrative Block
Earnest Money Deposit (EMD)	Rs. 75000.00 (Seventy five thousand Only) by way of RTGS/NEFT/ bank deposition only
Last Date & Time of Submission of Tender	14/02/2019 up to 11:00 hours
Date & Time of Opening of Technical Bids	15/02/2019 at 11:00 hours
Date & Time of Opening of Price Bids	Shall be informed after evaluation of technical bid through website https://eprocure.gov.in/eprocure/app
Details of Contact Persons for Technical Query	
Dr. Dhiraj Agrawal Assistant Professor 0755- 4051520 profdheerajagrawal@gmail.com	Dr. R. K Baghel Professor & Nodal Officer 0755- 4051507 rakbagh@yahoo.co.in
Details of Contact Person for Commercial Query	Shri Harish Vaidya Asstt. Registrar- Stores & Purchase 0755- 4051040 harishvaidya@manit.ac.in

	CHAPTER-I	
INSTRUCTIONS TO BIDDERS		
1	Location of Supply & Installation:	
	a	IIIT Bhopal in the Campus of MANIT- Bhopal.
	b	The bidder should make a comprehensive site survey in order to learn existing backbone infrastructure of the Institute in a large perspective so that the procured components must be fully compatible with existing network infrastructure.
	c	It will be imperative on each bidder to fully acquaint himself with the site conditions and factors which would have any effect on the performance of the contract and / or the cost.
2	Scope of Supplies & Work:	
	a	The Equipments & Accessories and other items shall be supplied as per the Bill of Quantity (BoQ) ANNEXURE-1 and Technical Specifications mentioned in ANNEXURE-2.
	b	The specifications of the items as mentioned in the ANNEXURE-2 are the requirements of tender, however higher specifications of Equipments may be considered subject to their cost economics competitiveness in the financial terms for the particular location.
	c	After the supply of items as mentioned in the ANNEXURE-1, the bidder has to execute its installation integration and configuration at the designated location(s). No extra cost shall be paid for this reason.
3	Delivery of Supplies & Installation:	
	a	The purchaser interested for complete delivery of items along with Installation by bidder within 45 days (forty five) from the date of issue of supply order. However, the bidder has an option to submit the best delivery time, but in any case the delivery should be before 60 days (Sixty) from the date of issue of supply of order by purchaser.
	b	The material shall be inspected on receipt at site and bidder shall be responsible for any damage during the transit of items.
	c	The insurance cover including insuring the goods against the loss or damage incidental to manufacture or acquisition, transportation, storage and delivery/ installation shall be obtained by bidder in his own name and not in the name of purchases. The purchaser will as soon as possible but not late than 45 days (forty five) from the date of arrival of goods at destination shall notify the bidder of any loss or damage to the goods.
4	Warranty & After Sales Services:	
	a	The bidder shall offer on-site comprehensive warranty of items for 03 years (Three years) from the date of successful commissioning of items at the designated location & shall cover each and every part of the items including parts having limited life etc. The purchaser is not liable to pay any extra charges on any account during warranty period.
	b	The bidder shall pay to the purchaser such compensations that may arise by reasons of the warranty there in contained but not attended by the bidder.
	c	Any part or parts fail or proved defective within the on-site warranty period specified above, owing to defect in design, material or workmanship, the bidder shall have to replace them at the place of installation without asking for any charges.
	d	During the warranty period, expert(s) shall be deputed at site by the bidder within three working days from the date of request from purchaser, to rectify

		and fixing the defects of items at the location where items installed. The cost of deputation of expert(s) and any other associated expenditure shall be borne by the bidder.
	e	The bidder shall ensure to render after sales services during the warranty period to the satisfaction of purchaser.
	f	The bidder should ensure to extend service & spare support at least for 03 years, after the specified warranty period at separate commercial terms mutually agreed upon.
	g	The bidder will depute their engineer (s) within three working days to attend the service call received in writing from purchaser.
5	Tender Documents & its Clarification:	
	a	The tender document can only be downloaded free of cost after registration of bidder on website https://eprocure.gov.in/eprocure/app between opening and closing date of tender.
	b	A prospective bidder requiring clarification on the tender document may notify to the persons mentioned at “Important information at a glance” section in writing, well before the due date of submission of bids, and a response will be sent in writing to the clarifications sought prior to the date of opening of the tenders.
6	Amendment & Corrigendum:	
	a	At any time prior to the date submission of bids, the purchaser, may, for any reason, whether at its own initiative or in response to a clarification sought by a prospective bidder, amend bid document by issuing corrigendum.
	b	The corrigendum will be notified/ published in e-tendering website CPPP (Central Public Procurement Portal) & mentor Institute website only. Any corrigendum, addendum etc. issued shall be part of this tender document and shall be made available on this e-tender portal.
	c	In order to afford prospective bidders reasonable time in which to take the amendment into account in preparing their bids, the purchaser may, at its discretion, extend the last date for the receipt of bids if required.
7	Submission of Tender:	
	a	Complete & concise bids (Technical & Price) must be uploaded on the website https://eprocure.gov.in/eprocure/app within the stipulated time frame of the tender as mentioned at “Important information at a glance”
	b	The original and all copies of the bid shall be signed by owner or a person authorized person with rubber stamp.
	c	The person signing the tender form or any other documents on behalf of the bidder shall be deemed to warrant that he has authority to bind the bidder. If it subsequently comes to light that the person so signed had no authority to do so, the purchaser may without prejudice to any other civil & criminal remedies cancel the tender and hold the bidder liable for all costs, charges and damages.
	d	The bidder is expected to examine all instructions, forms, terms & conditions and scope of work in the tender document and to furnish all documents or information with its bid as instructed in tender document through e-tending website i.e. https://eprocure.gov.in/eprocure/app . No documents shall be submitted in hard copy (s)
	e	The bidder is instructed to give their offer through two bid system for this tender. i.e. Technical bid and Price Bid.
	f	The technical bid cover shall include/ certain all technical details and the commercial documents as mentioned in the document EXCLUDING ANY PRICE DETAILS THEREOF.

	g	The Price bid cover shall certain only rate of Supply & Installation of Electronics Work Benches As per ANNEXURE-4.		
	h	Tenders received in open covers/ letters/ fax/ email will not be considered.		
	i	The purchaser may, at its discretion, extend the deadline for the submission of bids by amending the tender documents, in which case all rights and obligations of the purchaser and bidders previously subject to the deadline shall thereafter be subject to the deadline as extended. The prospective bidders are advised to remain in touch with website for any update in respect of their tender.		
8	Earnest Money Deposit:			
	a	The EMD of Rs.75000.00 (Seventy five thousand Only)) shall be remitted through RTGS/NEFT/ bank deposition into Institute bank Account as under:		
		Account Name	Bank Name	Bank A/c No.
		Indian Institute of Information Technology	State Bank of India	37096705722
		Bank IFS Code SBIN0001608		
		The bidder is instructed to submit the RTGS/ NEFT/ Bank deposition slip along with Technical Bid to prove the transfer of payment. No cash/ DD towards EMD shall be accepted. The offers without EMD from the bidders shall be rejected.		
	b	The Institute shall not be liable for payment of any interest on EMD		
	c	Any request by the bidders to consider their EMD already furnished by them to any of the other office of the Institute, for any other contract/ tender will not be considered as EMD for this tender.		
	d	The EMD will be returned to the unsuccessful bidders soon after the orders are placed on the successful bidder.		
9	Withdrawal, Substitution and modification of Tender:			
	a	The bidder, after submitting the tender, is permitted to withdraw, substitute or modify tender in writing without forfeiture of EMD, provided these are received duly sealed and marked like the original tender, up to the date and time of receipt of the tender. Any such request received after prescribed date and time of receipt of tender will not be considered. No bid shall be withdrawn in the interval between the deadline for submission of bids and expiration of the period of bid validity. Withdrawal of bid during this period will result in forfeiture of the bidder's EMD and imposition of other sanctions.		
11	Technical Bid Submission:			
	Bidder should submit following documents sequentially duly signed along with bid:			
	a	ANNEXURE-1 duly signed and accepted.		
	b	ANNEXURE-2 duly filled & signed.		
	d	ANNEXURE-3 duly filled and signed.		
	e	ANNEXURE-5 undertaking for participation.		
	f	Copy of Certificate of Registration of Company/ firm/ Agency.		
	g	Copy of valid GST Number.		
	h	Copies of Income Tax Account Number PAN.		
	i	Proof of RTGS/ NEFT/ Bank deposition of Rs. 75000.00 (Seventy five thousand Only) towards Earnest Money Deposit.		
	j	Proof for average financial turnover during the last three consecutive financial years.		
	k	ANNEXURE-6 Authorization Certificate from Original Equipment Manufacturer for equipment.		
	l	Copy valid ISO certificate from Original Equipment Manufacturer.		

12	Price Bid Submission:
a	The bidder would have to quote the prices for the total scope of work in the ANNEXURE-4 . Partial quote are liable to be rejected
b	<p>Government of India, Ministry of Finance (Department of Revenue) Notification No: 47/2017 integrated Tax dated 14/11/2017, the NITs are exempted from GST in excess of the amount calculated at the rate of 5 per cent under the following categories:</p> <p>Scientific and technical Instruments, Apparatus, Equipment (including Computers);</p> <p>(a) Accessories, Parts, Consumables and live animals (experimental purpose);</p> <p>(b) Computer Software, Compact Disc Read only Memory (CD-ROM), recorded magnetic tapes, Microfilms, Microfiches;</p> <p>(c) Prototypes, the aggregate value of prototypes received by an institution does not exceed fifty thousand rupees in financial years.</p> <p>The bidder should quote their prices considering the exemption. If any certification needed by bidder, may be given to avail this benefit</p>
c	<p>Purchaser (being a research Institution) is registered with the Department of Scientific & Industrial Research (DSIR) for the purpose of availing custom duty exemption in terms of GoI Notification No. 51/96 Customs dated 23 July 1996. The bidder should quote their prices considering the exemption certificate. If any certification needed by bidder, may be given to avail this benefit.</p>
d	Bidder shall take into account all costs including unloading at the location of purchaser, cartage etc. for giving delivery of material at site(s) before quoting the rates. In this regard no claim what so ever shall be entertained.
e	The bidders are advised not to indicate any separate discount. Discount, if any, should be merged with the quoted unit prices. Discount of any type, indicated separately, will not be taken into account for evaluation purpose. However, in the event of such an offer, without considering discount, is found to be the lowest, the purchaser shall avail such discount at the time of award of contract.
f	The price quoted in price bid shall be firm but subject to change in rate of applicable taxes if any.
g	No extra payment shall be paid on account of any discrepancy in nomenclature of items. The bidder shall seek clarifications if any before submitting the tender.
h	No representation for the enhancement of the prices of the accepted tender or alteration of the terms and conditions will be entertained till supplies are completed to the designated location.
13	Opening of Technical bid:
a	The Technical bid of tenders will be opened at Institute Committee Room on - 15/02/2019 at 11.00 hours. The bidder or their authorized representative (only one person) may be present at the time of opening of the tender.
14	Opening of Price Bid:
a	The Price bid of only technically qualified bidders will be opened on the stipulated due date. The date & time for opening of Price Bid shall be intimated to the technically qualified bidders through website https://eprocure.gov.in/eprocure/app or telephonically or email after the evaluation of technical bid.
15	Validity of Tender:
a	The tender shall be valid for a period of 90 days from the date of opening of the Technical bid of tender. Terms and financial details submitted in the bid

		shall be treated as firm during the 90 days period.
	b	In exceptional circumstances, prior to the expiry of the bid validity period, the purchaser may request bidders to extend the period of validity of their bids. The request and the responses shall be made in writing.
16	Evaluation of Bids:	
	a	If there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected.
	b	If there is an error in a total corresponding to the addition or subtraction of sub totals, the subtotals shall prevail and the total shall be corrected.
	c	If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.
	d	To assist in the examination, evaluation, comparison of the bids and qualification of the bidders, the purchaser may, at its discretion, ask any Bidder for a clarification of its bid. Any clarification submitted by a bidder in respect to its Bid and that is not in response to a request by the purchaser shall not be considered. The purchaser's request for clarification and the response shall be in writing only.
	e	If a bidder does not provide clarifications of its bid by the date and time set in the purchaser's request for clarification, its bid may be rejected.
	f	The purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to supply order, without thereby incurring any liability to bidders. In case of annulment, all bids submitted and specifically bid document, EMD deposits shall be promptly returned to the bidders.
	g	The purchaser shall compare the evaluated prices of all substantially responsive bids to determine the lowest evaluated bid for a particular location. The comparison shall be on the basis of landed cost at individual destination.
	h	At the time the contract is awarded, the purchaser may increase the quantity of Equipments without any change in the unit prices or other terms & conditions of the bid and the bidding documents subject to the acceptance of bidder in writing for the same.
	i	The purchaser have right to verify the particulars furnished by the bidder independently.
17	Causes of rejection of Tender:	
	a	The bidder must be a single company, consortium will not be allowed.
	b	While submitting the tender, if any of the prescribed conditions are not fulfilled or are incomplete in any form, the tender is liable to be rejected.
	c	If any bidder stipulates any condition of his own, such conditional tender is liable to be rejected.
18	Forfeit of Earnest Money Deposit:	
	a	If any bidder withdraws his tender before the period of 90 days from the date opening of Technical bid or makes any modifications in the terms and the conditions of the tender which are not acceptable to the purchaser, then the purchaser shall, without prejudice to any other rights or remedy, be at liberty to forfeit the EMD.

	b	<p>The EMD will also be forfeited in following cases:</p> <ul style="list-style-type: none"> i. If the bidder fails to accept the order based on his offer (bid) and within the prescribed time. ii. If the bidder fails to supply the equipments with specifications as mentioned in Annexure –1 & 2 iii. If the bidder delays supplies beyond a reasonable time resulting in disruption of project. iv. Bidder for any reason whatsoever withdraws the tender after it is accepted or become unable or fails to execute the orders within stipulated delivery period. v. Submission of misleading/contradictory/false statement or information and fabricated/invalid documents is detected before or after the issue of order to execute the supplies.
19	Notification of Award:	
	a	<p>Prior to the expiry of the period of bid validity, the purchaser shall notify the successful bidder, in writing, that its bid has been accepted. The work order shall specify the sum that the purchaser will pay to the bidder in consideration of the Supplies, Installation and Testing & Commissioning of items with the details of selected location.</p> <p>The details about the authorized person to take the delivery of items shall be informed to the successful bidder through the supply order placed for the supply of items.</p>
20	Packing of Equipments:	
	a	<p>The bidder shall provide packing of the equipments, as is required to prevent their damages or deterioration during the transit to their final destination. The packing shall be sufficient to withstand, without limitation, rough handling during transit. In case the consignment received with damaged packaging, the purchaser would not accept the delivery.</p>
	B	<p>The equipments shall be securely boxed, crated and protected from mechanical damage, moisture etc. suitable for both storage and transit according to the nature of the material and mode of transport. The bidder shall be responsible for any loss/ damage to material during transportation to the designated location.</p>
21	Time Limit for Supply of Items, Installation, & Commissioning:	
	a	<p>The bidder shall indicate the period within which the ordered quantity will be supplied along with Installation & Commissioning of items. The bidder shall note that in case bidder fails to do so within the period of delivery indicated by the bidder in Technical bid of this tender, penalty @ 1.00% of value of the order per week of delay would be levied subject to maximum 10 weeks. It means, the bidder shall have the liability of delayed supply to the maximum of 10 weeks after expiry of scheduled delivery date. After that the supply order shall be cancelled and EMD will be forfeited and bidder will be debarred from participation in any future tenders.</p>
	b	<p>The successful Bidder shall, within a week from the date of receipt of communication of acceptance of quotes from purchaser shall intimate his acceptance of the order. The successful bidder shall complete supplies strictly as per the accepted delivery period.</p>
22	Terms of Payment:	
	a	<p>The 100% payment of total bill will be made by purchaser after supply and Installation, Commissioning and Testing of items, on submission Bank Guarantee of 10% total work order value for a period of three years.</p>

		ANNEXURE-7
	b	All the payment to bidder shall be made by crossed account payee Cheque/ RTGS/ NEFT for which the bidder shall send bills in duplicate (Original + copy) giving the reference number of the purchase order along with copies of Installation report.
23	Claims:	
	a	If the specification of supplied items are found to be lower than those stipulated in the accepted offer, the purchaser shall have right to totally reject the supplied items to claim for compensation from bidder. The bidder shall reimburse to purchaser, the claim lodged in writing within 15 (fifteen) days of its demand. The bidder shall also compensate for losses, if any, sustained by purchaser due to defective packing and/or wrong marking of the items.
	b	The bidder shall be responsible for arranging the rejected items to be removed at his cost from purchaser premises.

CHAPTER-II

ELIGIBILITY & QUALIFICATION CRITERIA

1	The bidder should be registered with appropriate authority with registered office in India and operation from at least 05 (Five Years) as on 31/03/2018. The copy valid Certificate shall be attached with the Technical Bid.
2	The bidder must have Income Tax Account Number PAN, GST Number. Copy of the same shall be attached with the Technical Bid.
3	The Original Equipment Manufacturers (OEM) must have ISO certification for their establishment. The copy of the valid ISO Certificate shall be attached with the Technical Bid.
4	The average financial turnover during the last three consecutive financial years should be at least Rs. 1,00,00,000.00 (One Crore) per year and should have positive net worth. Relevant supporting document like Balance-Sheet/ CA certification must be submitted.
5	The bidder should be OEM or Authorized Dealer/Distributor/System Integrator of the OEM of the offered product. Authorization Letter from OEM specific to this tender need to be submitted.
6	The bidder should have a clean Track record, i.e. The bidder should not have been black listed by any Govt. or Quasi- Govt/ Govt. Under taking companies in India at any point of time.
7	The bidders who have refused to execute any work order issued by IIIT/MANIT in the past are disqualified from participating in this tender.

CHAPTER-III

GENERAL CONDITIONS OF CONTRACT

1	Abbreviations & Acronyms:	
a	Abbreviations & Acronyms and Definitions used in this tender document shall be in accordance with GFR 2017 and Manual for procurement of Goods 2017.	
2	Language of Bids:	
a	The bids prepared by the Bidder and documents relating to the bids exchanged by the bidder and the Purchaser, shall be written in the English language only. Moreover, the printed literature/Technical details may be furnished in English/ Hindi.	
3	Standards of Performance:	
a	The bidder shall perform the services and carry out its obligations under the contract with due diligence, efficiency and economy, in accordance with generally accepted techniques and practices used in the industry and with professional engineering and consulting standards recognized by international professional bodies and shall observe sound management, engineering practices. It shall employ prudent technical and engineering practices. It shall employ advanced technology and safe and effective equipment, machinery, material and methods. The bidder shall always act, in respect of any matter relating to this contract, as faithful advisors to the client and shall, at all times, support and safeguard the client's legitimate interests in any dealings with third Parties.	
4	Force Majeure:	
a	In the event of any unforeseen circumstances directly interfering with the supply of goods/work/service arising during the execution of order such as war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, floods, earthquakes, explosions, epidemics, quarantine restrictions, strikes, lockouts, or acts of God, the bidder shall, within a week from the commencement thereof, notify the same in writing to the Purchaser with reasonable evidence thereof. Either party shall have the option to terminate the contract on expiry of 90 days of commencement of such force majeure by giving 14 days "notice to the other party in writing. In case of such termination, no damages shall be claimed by either party against the other.	
5	Code of Ethics:	
a	The purchaser as well as the Bidder shall observe the highest standard of ethics including laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988", during the Supply & Installation or execution of such contracts. If the bidders are found in bid pooling or against law against fraud and corruption then their firms may be blacklisted.	
6	Address for communication:	
a	All the communication with respect to the tender shall be addressed to: The Nodal Officer IIIT- Bhopal Maulana Azad National Institute of Technology Mata Mandir Bhopal- 462 003	
7	Jurisdiction:	
a	In the event of any dispute the legal matter shall be subjected to the jurisdiction of Bhopal court only.	

		ANNEXURE- 1
Bill of Quantity		
Ref:	Tender document No: S&P/2019/07 Date: 21/01/2019.	

Item No	Description of Item	Unit	Quantity
1	Digital Storage Oscilloscope	No	10
2	Arbitrary Function Generator	No	10
3	Triple Channel Power Supply	No	10
4	Digital Multimeter	No	10
5	Work Bench	No	10

Note:

1	Accessories must include as required for full operation.
2	Software/ License which are default provided by the manufacturer must be supplied along with the devices.
3	Operating manuals for all the modules shall be supplied in hard and soft copies on suitable media.
4	Three years (03) on-site warrantee is required to cover all devices.

Details of Technical Specifications of Equipments & other items

Ref: Tender document No: S&P/2019/07 date: 21/01/2019.

An integrated workbench consisting of instrument panel and working table should be suitable for students to learn and perform testing of various electronics circuits. Instruments should internally electrically connected and should be fitted in the panel such that only front panel and necessary interfaces are easily accessible to use. Structure of workbench should be made up of 1.5 mm thick CRC powder coated pipes with top made up of good quality 19 mm thick plywood and covered with 1.8 mm off white color mica. The bench working area should be covered by 2 mm thick antistatic mat which help students to controls static discharge as static cause interference or damage to students, equipment and circuitry.

01 | ITEM NAME ---- Digital Storage Oscilloscope- 10 Numbers

70MHz 4 analog Channel Digital Storage Oscilloscope, the oscilloscope should support real time sampling analog channel: 1 GSa/s, Memory Depth should be: 20Mpts, minimum vertical range 2mV/div , minimum horizontal range 5ns/div, the instrument should have triggering facility including edge, pulse, window, slope, RS232/UART, I2C, SPI, it should also have automatic measurements facility and 6 bits hardware counter, 6.5" inch TFT Display, Math functions like A+B, A-B, A×B, A/B, FFT etc , computer connectivity USB Host & USB Device and LAN.

02 | ITEM NAME ---- Arbitrary Function Generator- 10 Numbers

Two channels, Waveforms generation for Sine, Square, Ramp, Pulse, Noise & Arbitrary, Sine: 1 μHz - 25 MHz, Sampling Rate 120MSa/Sec, Memory 1Mpts, other waveform including Noise, Display 3.5 inch TFT, Vertical Resolution 14 bits, Built in 6 digit 200MHz frequency counter, Amplitude 2mVpp to 10Vpp, Modulation AM, FM,PM,ASK,FSK,PSK,PWM, Liner/Logarithmic Sweep Mode, Burst Mode, computer connectivity USB Host & USB Device, LAN.

03 | ITEM NAME ---- Triple Channel Power Supply- 10 Numbers

Channels: 3 ,Voltage/Current:CH1: 0 ~ 30V/0 ~ 3A,CH2: 0 ~ 30V/0 ~ 3A,CH3: 0 ~ 5V/0 ~ 3A
 Over Voltage Protection : Should be available, Over Current Protection : Should be available
 Load Regulation : Voltage(+/-): < 0 .01% + 3 mV, Current(+/-): < 0 .01% + 3 mV
 Linear Regulation(+/-): Voltage: < 0 .01% + 3 mV, Current(+/-):< 0 .01% + 3 mV
 Ripples and Noise :Normal Mode Voltage: < 3mVpp
 Accuracy : a. Voltage: 0.05% + 20mV Current : 0.2% + 5mA
 Resolution :Voltage: 10mV, Current: 1mA
 Independent control for each channel
 Display: 3 inch TFT (simultaneous display of voltage and current of all the three channels)
 Interface: USB Host, USB Device

04 | ITEM NAME ---- Digital Multimeter- 10 Numbers

- 5 ½ digits
- Measurement Functions: DC Voltage, AC Voltage, DC Current, AC Current, Resistance, Capacitance, Diode, Connectivity,
- Measurement Range:
 - DC Voltage: 200 mV to 1000 V
 - AC Voltage: 200 mV to 750 V
 - DC Current: 200 μ A to 10 A
 - AC Current: 20 mA to 10 A
 - Resistance: 200 Ω to 100 M Ω
 - CAP: 2nF to 100 mF
 - Diode: 2V
 - Connectivity: 2000 Ω
 - Temperature measurement : Thermocouple, RTD, thermal resistance temperature measurements
- Interface: USB Host, USB Device

05 | ITEM NAME ---- Work Bench- 10 Numbers

Structure and design of Workbench should follow the below specifications:

1. The basic structure should be made of 38 x 38 x 1.5 mm CRC powder coated pipes for sturdiness.
2. The overall dimensions of Workbench should be not less than W = 1200 mm; D = 750 mm; H = 1150 mm
3. MS drawers 03 numbers W = 275 mm; D = 375 mm; H = 100 mm and thickness 1.2mm with handle & separate lock on each drawer should be provided
4. For the panel section, raised back height of 1200mm from floor with matching height support from the side at a depth 500mm for instrument housing with a MS Panel strip below it for housing Electrical Sockets and Switches for external use.
5. Two Pole MCB (32A) to be provided for safety of Workbench
6. Workbench should work on Mains Supply - 230V AC, 50 Hz

PRIMARY COMPLIANCE STATEMENT

Ref: Tender Document No: S&P/2019/07 dated 21/01/2019.

COMMERCIAL COMPLIANCE

SN	Institute Requirement as per tender document	Compliance		Deviation if any
		Yes/ No	Ref Page No	
1	Undertaking for participation As per ANNEXURE-5			
2	Copy of Certificate of Registration of Company/ Firm/ Agency			
3	Copy of valid GST No:			
4	Copies of Income Tax Account Number PAN			
5	EMD of Rs. 75000.00 (Seventy five thousand only)			
6	Authorization Certificate from Original Equipment Manufacturer for equipment ANNEXURE-6			
7	Copy of Balance Sheets/ CA certification for assessing financial turnover of last three years.			
8	Copy valid ISO certificate OEM.			

TECHNICAL COMPLIANCE

SN	Institute Requirement as per tender document	Compliance		Deviation if any
		Yes/ No	Ref Page No	
1	Digital Storage Oscilloscope			
2	Arbitrary Function Generator			
3	Triple Channel Power Supply			
4	Digital Multimeter			
5	Work Bench			

Seal & Signature of Bidder

FORMAT FOR SUBMISSION OF PRICE BID

From,	To,
	The Nodal Officer IIIT Bhopal
	Through Director MANIT- Bhopal- 462 003

Sub: **Price Bid with reference to Tender Document No: S&P/2019/07 dated 21/01/2019.**

SN	Description of Material	Make & Product No	Quantity	Discounted Unit Price	Basic Price	Custom Duty	GST	Total Price
1	2	3	4	5	6 (4*5)	7	8	9(6+7+8)
Total Net offered Price→								

Net offered Price (In Words)

The followings things are confirmed and undertake by us that:

- | | |
|---|--|
| a | The total price quoted above are inclusive of basic price, statutory duty & taxes, Transportation, Incidental services (including Insurance, Loading/ unloading, Packing & Forwarding charges, Installation etc.) at site. |
| b | Offer price shall be valid for a period of 90 days from the date of opening of Technical bid of this tender |
| c | We will be agreed to offer services for on-site comprehensive warranty on the equipment and items supplied through this tender for three (03) years. |
| d | We agree with the terms and conditions specified in "Instructions to Bidders" and if selected, the execution of supplies would be made in compliance. |

Date:	Signature of Authorized Bidder with proper rubber stamp
	Name:
	Designation:
	Mobile No:

		ANNEXURE- 5
	(Undertaking from Bidder on their official stationery)	
To,		
The Nodal Officer IIIT Bhopal		
Through Director MANIT- Bhopal- 462 003		

Sub:	Undertaking for the participation in the tender No: S&P/2019/07 dated 21/01/2019.
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Dear Sir,

HAVING EXAMINED AND PERUSED THE FOLLOWING DOCUMENTS	
1	Notice Inviting Tender
2	Instruction to Bidders Chapter-I,II and III
3	Bill of Quantity (Annexure-1)
4	Technical Specifications of Equipments and other items (Annexure-2)
5	Primary Compliance Statement (Annexure- 3)
6	Price Bid (Annexure- 4)
<p>I/Wedo hereby submit the above tender in prescribed formats duly completed in all respects in accordance with the conditions applicable. If this tender is accepted, I/We agree to abide by and fulfill all the terms and conditions in the tender documents</p> <p>I/We hereby distinctly and expressly declare and acknowledge that before the submission of this tender, I/We have carefully followed the instructions and I/We have understood the existing system of supply at the location of purchaser including the scope and nature of duties expected from the bidder.</p> <p>I/We distinctly agree that I/We would hereafter make no claim or demand upon the purchaser based upon or arising out of any alleged misunderstanding or misconceptions or mistake on my/our part of the said stipulations, restrictions and conditions.</p>	
<p>I/ We declare that our unit has never made any default in supplying the equipment to Government / Semi Government/ Central or State Public Sector Enterprise(s) in terms of quality and financial agreed supply conditions.</p>	
<p>I/We fully understand the terms and conditions in the tender documents.</p> <p>I/We understood that the purchaser is not bound to accept any proposal that it may receive without assigning any reason.</p>	
Date:	Authorized Signatory

		ANNEXURE- 6
AUTHORIZATION LETTER FROM ORIGINAL EQUIPMENT MANUFACTURER		
No:	Date:	
To,		

Ref:	Tender document No: S&P/2019/07dated:21/01/2019
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<p>Dear Sir,</p> <p>We _____ who are established and reputable manufacturers of <i>(name and description of goods offered)</i> having factories at _____ <i>(address of factory)</i> do hereby-authorized M/s _____ <i>(Name and address of Agent)</i> to submit a bid, and sign the contract with you for the goods manufactured by us against the above tender and they are in the supply and maintenance of our products since _____ years.</p> <p>We hereby extend our full guarantee and warranty as per terms & Conditions of Contract for the goods and services offered for supply by the above firm against this Tender.</p> <p style="text-align: right;">Yours Faithfully,</p> <p style="text-align: right;">(Name of the manufacturer)</p>
--

NB: This letter of authority should be on the letterhead of the manufacturer and should be signed by a person competent and having the power of attorney to legally bind the manufacturer. This may be modify suitably in case where manufacturer's warranty and guarantee are not applicable for the items for which bids are invited

ANNEXURE-7

Form of Performance Bank Guarantee/Bank Guarantee

BG No:	To,
Date:	The Mentor Director IIT Bhopal
From	Through Director MANIT- Bhopal
The Name of the Bank	PIN 462 003

In consideration of the Indian Institute of Information Technology Bhopal- 462 003 (hereinafter called "**The Institute**") having offered to accept the terms and conditions of the proposed agreement between The Institute and..... (Hereinafter called "**The Supplier**") for the work..... with reference to work order No: dated (Hereinafter called "**The said agreement**") having agreed to production of an irrevocable Bank guarantee for Rs..... (Rupees.....only) as a security/guarantee form the Supplier for compliance of his obligations in accordance with the terms and conditions in the said agreement

1. We (Hereinafter referred to as the "**Bank**") hereby undertake to (Indicate the name of the Bank) Pay to the Institute an amount not exceeding Rs..... (Rupees only) on demand

2. We... (Indicate the name of the Bank) Do hereby undertake to pay the amounts due and payable under this Guarantee without any demur, merely on a demand from the Institute stating that the amount claimed is required to meet the recoveries due or likely to be due from the supplier. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this Guarantee shall be restricted to an amount not exceeding Rs..... (Rupees only)

3. We, The said Bank, further undertake to pay to the Institute any money so demanded notwithstanding any disputes raised by the supplier in any suit or proceeding pending before any Court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under, and the supplier shall have no claim against us for making such payment.

4. We (indicate the name of the Bank) further agree that the Guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement, and it shall continue to be enforceable till all the dues of the Institute under or by virtue of the said agreement have been fully paid, and its claims satisfied or discharged, as per the terms and conditions of the said agreement have been fully and properly carried out by the supplier, and accordingly discharges this guarantee.

5. We.....(name of the bank)..... further agree with the Institute that the Institute shall have the fullest liberty without our consent, and without effecting in any manner our obligations hereunder, to vary any of the terms and conditions of the said agreement or to extend time of performance by the supplier from time to time or to postpone for any time or from time to time any of the powers exercisable by the Institute against the said supplier, and to forbear or enforce any of the terms and conditions relating to the said agreement, and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said not be relieved from our liability by reason of any such variation or extension being granted to the said supplier or for any forbearance, act of omission on the part of the Institute or any indulgence

by the Institute to the supplier or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This Guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).

7. We (Name of the bank)..... lastly under take not to revoke the Guarantee except with the previous consent of the Institute in writing. This bank Guarantee on the Bank or its successors or permitted assigns.

8. We..... (Indicate the name of the Bank)..... lastly undertake not to revoke this Guarantee except with (indicate the name of the Bank) the previous consent of the Institute extended on demand by the Institute. Notwithstanding anything mentioned above, our liability against this Guarantee is restricted to Rs..... (Rupees.....only), and unless a claim/demand is made on the bank in writing on or beforeall your rights under the Guarantee will be forfeited and we shall be relieved and discharged from all liabilities there under.

Authorized Signatories of the Bank with name and Seal

Name of the Officer:

Designation:

Code if any:

Date:

Place: