

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

**E-TENDER DOCUMENT
FOR**

Supply & Installation of Physics Laboratory Equipments in the Institute

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

No. MANIT/S&P/2019:08

Date: 21/01/2019

NOTICE INVITING TENDERS

Sub: Supply & Installation of Physics Laboratory Equipments in the Institute.

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 Physics Laboratory Equipments in the Institute. 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/2019:08
	Date: 21/01/2019
Scope of Tender	Supply & Installation of Physics Laboratory Equipments in the Institute.
Approximate cost of Work	Rs. 2700000.00 (Inclusive of all taxes)
Location of Supplies & Installation	IIIT Bhopal in the Campus of MANIT-Bhopal.
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 16:00 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 11:05 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. Fozia Z. Haque Assistant Professor 0755- 4051596 foziazia@rediffmail.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	<p>Location of Supply & Installation:</p> <p>a IIIT Bhopal in the Campus of MANIT- Bhopal.</p> <p>b Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (So far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed.</p> <p>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.</p>
2	<p>Scope of Supplies & Work:</p> <p>a The Laboratory Equipments & accessories shall be supplied as per the Bill of Quantity (BoQ) ANNEXURE-3 and Technical Specifications mentioned in ANNEXURE-4.</p> <p>b The specifications of the equipments as mentioned in the ANNEXURE-4 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.</p> <p>c After the supply of equipments & accessories as mentioned in the ANNEXURE-3, the bidder has to execute its installation at the designated location(s). No extra cost shall be paid for this reason.</p>
3	<p>Delivery of Supplies & Installation:</p> <p>a The purchaser interested for complete delivery of equipments 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.</p> <p>b The material shall be inspected on receipt at site and bidder shall be responsible for any damage during the transit of Equipments.</p> <p>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.</p>
4	<p>Warranty & After Sales Services:</p> <p>a The bidder shall offer on-site comprehensive warranty of equipments for 03 years (Three) from the date of successful commissioning of equipments at the designated location & shall cover each and every part of the equipments including parts having limited life etc. The purchaser is not liable to pay any extra charges on any account during warranty period.</p> <p>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.</p>

	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 equipments at the location where equipments 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 24 hours to attend the service call received from purchaser.		
5	Tender & 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 start date and end 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 Professor, 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 https://eprocure.gov.in/eprocure/app & Institute website only. Any corrigendum, addendum etc issued shall be part of this tender document and shall be made available on this e-tending 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	Earnest Money Deposit:			
	a	The EMD of Rs. 75,000.00 (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 in along with Technical Bid to prove the transfer of payment to the purchaser’s Account. No cash/ DD towards EMD shall be accepted. The offers without EMD from the bidders shall be rejected.		
	b	The Purchaser 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 purchaser, 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.
8	Submission of Tender :	
	a	The all copies of the bid document shall be signed by owner or an authorized person with rubber stamp.
	b	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.
	c	The bidder is expected to examine all instructions, Forms, Terms & Conditions and Specifications in the tender document and to furnish with its bid all documents or information as required in tender document through e-tendering website i.e. https://eprocure.gov.in/eprocure/app . No documents shall be submitted in hard copy (s).
	d	The bidder is instructed to give their online offer through two bid system for this tender. i.e. Technical Bid and Price Bid.
	e	The Technical bid cover shall include/ certain all technical details & technical specifications, and also the commercial documents as mentioned in tender document for the supplies to be made and the services to be rendered EXCLUDING ANY PRICE DETAILS THEREOF.
	f	The Price bid cover shall certain only prices of the equipments offered for supply and the charges for the services to be rendered.
	g	Tenders received in open covers/ letters/ fax/ email will not be considered.
	h	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.
	i	The Institute 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 Institute 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.
9	Technical Bid Submission:	
	Bidder should submit following documents sequentially duly signed along with technical bid:	
	a	ANNEXURE-1 & 2 duly filled & signed.
	b	ANNEXURE-3 & 4 duly signed and accepted.
	d	ANNEXURE-6 undertaking for participation.
	e	Copy of Certificate of Registration of Company/ firm/ Agency.
	f	Copy of valid GST Number and Income Tax PAN
	g	Proof of RTGS/ NEFT/ Bank deposition slip of Rs. 75,000.00 (Seventy Five Thousand Only) towards Earnest Money Deposit.
	h	Copies of Purchase order/ work Completion certificate from any Central/State government organizations, PSU's, Universities, Hospitals, Government research Institute or other government organizations in India during the last 5 years ending 31st March, 2018.
	i	ANNEXURE-7 Authorization Certificate from Original Equipment Manufacturer for Equipment.

	j	Copy of Profit & Loss Account / Chartered Accountant Certificate of last three years for assessing turnover.
	k	Copy valid ISO certificate from Original Equipment Manufacturer.
10	Price Bid Submission:	
	a	The bidder would have to quote the prices for the total scope of work in the ANNEXURE-5 . Partial quote are liable to be rejected.
	b	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: Scientific and technical Instruments, Apparatus, Equipment (including Computers); (a) Accessories, Parts, Consumables and live animals (experimental purpose); (b) Computer Software, Compact Disc Read only Memory (CD-ROM), recorded magnetic tapes, Microfilms, Microfiches; (c) Prototypes, the aggregate value of prototypes received by an institution does not exceed fifty thousand rupees in financial years. The bidder should quote their prices considering the exemption. If any certification needed by bidder, may be given to avail this benefit
	c	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.
	d	The 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.
11	Opening of Technical & Price Bid	
	a	The Technical Bid of tenders will be opened on 15/02/2019 at 11.05 hours.
	b	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.
12	Withdrawal & re-submission:	
	a	The bidder, after submitting the tender, is permitted to withdraw and re-

		submission as per laid down the procedure given on Government CPPP up to the date and time of the tender through on-line only. 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.
13	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.
14	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.
15	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.
16	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	The EMD will also be forfeited in following cases: <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 –3 & 4 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.
17	Notification of Award:	
	a	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 notification letter shall specify the sum that the purchaser will pay to the bidder in consideration of the Supply & Installation of Physics Laboratory Equipments in the Institute with the details of selected location.
18	Packing of Equipments:	
	a	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.
	B	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.
19	Time Limit for Supply of Equipments, Installation, & Commissioning:	
	a	The bidder shall indicate the period within which the ordered quantity will be supplied along with Installation & Commissioning of Equipments. 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 @0.5% 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.

	b	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.
20	Terms of Payment:	
	a	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.
	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.
21	Claims:	
	a	If the specification of supplied equipments are found to be lower than those stipulated in the accepted offer, the purchaser shall have right to totally reject the supplied equipments 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 equipments.
	b	The bidder shall be responsible for arranging the rejected equipments to be removed at his cost from purchaser premises.

CHAPTER-II

ELIGIBILITY & QUALIFICATION CRITERIA

1		The bidder should be a Company/Partnership firm/ Proprietary firm/ Agency with registered office in India and operation from at least 05 (Five Years) as on 31/03/2018.
2		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.
3		The bidder must have Income Tax PAN, GST Number. Copy of the same shall be attached.
4		The EMD of Rs. 75,000.00 (Seventy Five Thousand Only) shall be remitted through RTGS/NEFT/ Bank deposition into Institute bank account.
5		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.
6		The average financial turnover during the last three consecutive financial years should be at least Rs. 50,00,000.00 (Fifty Lakhs) per year and should have positive net worth. Relevant supporting document like Profit & Loss Account/ CA certification must be submitted.
7		<p>The bidder should have experience in successfully execution/ executing work of similar nature during last 05 (five) years in any Central/State government organizations, PSU's, Universities, Hospitals, government research Institute or corporate in India. (Bidder must submit copy of PO/ Work Completion Certificate from the Client in following manner.</p> <ol style="list-style-type: none"> 1. One similar work costing not less than 80% of the estimated cost. OR 2. Two similar work costing not less than 60% of the estimated cost. OR 3. Three similar work costing not less than 40% of the estimated cost. <p>It is advisable to bidder to submit the copy (ies) of PO/ Work completion certificate only which are 40% of estimated cost of tender and above for smooth assessment. Work order and its extension shall be treated as single order in term of value.</p>
8		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.
9		The bidders who have refused to execute any work order issued by MANIT in the past are disqualified from participating in this tender.

CHAPTER-III	
GENERAL CONDITIONS OF CONTRACT	
1	<p>Abbreviations & Acronyms:</p> <p>a Abbreviations & Acronyms and Definitions used in this tender document shall be in accordance with GFR 2017 and Manual for procurement of Goods 2017.</p>
2	<p>Language of Bids:</p> <p>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.</p>
3	<p>Standards of Performance:</p> <p>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.</p>
4	<p>Force Majeure:</p> <p>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.</p>
5	<p>Code of Ethics:</p> <p>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.</p>
6	<p>Address for communication:</p> <p>a All the communication with respect to the tender shall be addressed to: The Nodal Officer Indian Institute of Information Technology- Bhopal Mentor Institute- MANIT Bhopal- 462 003</p>
7	<p>Jurisdiction:</p> <p>a In the event of any dispute the legal matter shall be subjected to the jurisdiction of Bhopal court only.</p>

BIDDER INFORMATION FORM

		Name of Agency→	
		Registered Complete Address→	
Year of Establishment→			
Type of Agency→ <small>Company / Partnership Firm/ /Proprietary Firm/</small>			
Name of Owner / Authorized Person→			
Contract No with e-mail ID→			
Details of Statutory compliances and its valid Numbers:			
SN	Particular	Number	Remarks
1.	Bidder's Registration Gumasta License →		
2.	Income Tax PAN→		
3.	GST Number→		
4.			

Details of Bank Account :

Beneficiary Name			
Bank Name		Branch	
Account Number		IFSC	

DECLARATION

It is certified that the information furnished in this form is complete and correct to the best of our knowledge & belief.

Signature of authorized Person and Seal

		ANNEXURE- 2	
PRIMARY COMMERCIAL COMPLIANCE STATEMENT			
Ref:	Tender Document No: S&P/2019/08 dated 21/01/2019		
SN	Institute Requirement as per tender document	Compliance	Deviation if any
		Yes/ No	
1	Copy of Certificate of Registration of Company/ Firm/ Agency		
2	Copy of valid PAN and GST No:		
4	EMD of Rs. 75,000.00 (Seventy five Thousand only)		
5	Bidders Information Form ANNEXURE-1		
6	Undertaking for participation ANNEXURE-6		
7	Authorization Certificate from Original Equipment Manufacturer for components ANNEXURE-7		
8	Copy valid ISO certificate OEM		

Details of all ongoing & completed contracts during the last five years as per eligibility & qualification criteria in Chapter-II. (Copies of Purchase order / Work Completion Certificate must be attached)

SN	Name of the organization with address	Period of Contract		Nature of Work	Value of Contract
		From	To		
1					
2					
3					
4					
5					

Details of financial Turnover during last three years Rs. 50,00,000.00 (Fifty Lacs Only)
(Please attach copy of Profit & Loss Accounts/ Chartered Accountant Certificate)

Financial Year	Amount (in Lakhs)	Remarks, if any
2017-18		
2016-17		
2015-16		

Seal & Signature of Bidder

Bill of Quantity

Ref: Tender document No: S&P/2019/08 date:21/01/2019

SN	Description of item	Quantity	Technical Specification & other Details
1	Hall Effect Experiment Setup	02	Annexure 4(i)
2	Newton's Rings Experiment Setup	04	Annexure 4(ii)
3	Transmission Grating Experiment Setup	03	Annexure 4(iii)
4	Refractive Index and Dispersive Power Experiment Setup	04	Annexure 4(iv)
5	Flywheel Experiment Setup	03	Annexure 4(v)
6	Biot Savart's Law Experiment Setup	03	Annexure 4(vi)
7	Planck's constant by Led Experiment Setup	03	Annexure 4(vii)
8	Inverse Square Law Experiment Setup	03	Annexure 4(viii)
9	PN Junction Diode Experiment Setup	04	Annexure 4(ix)
10	Transistor Characteristics Experiment Setup	04	Annexure 4(x)

Note:

1	All the Accessories/Components/ Software & its License which are provided by default by the manufacturer must be supplied along with the equipment (s).
2	Three years (03) on-site warranty is required to cover all equipment.

Details of Technical Specifications of Equipments & other details

Ref: Tender document No: S&P/2019/08 Dated:21/01/2019

Annexure 4(i): Hall Effect Experiment Setup

SN	Required Minimum Specification		Compliance (Yes/ No)	Make and Model No.	Specification Brochure, if any	Objectives
	Item Name	Qty				
1	Hall Effect apparatus	2				Exp-1 To determine Hall Voltage (p or n type). Exp-2 To determine Hall Coefficient. Exp-3 To determine the type of Charge carrier. Exp-4 To determine Charge Density of carriers. Exp-5 To determine the Resistivity of a given sample. Exp-6 To determine the mobility of charge carriers. Exp-7 To determine the Hall angle.
2	Power Supply (5A)	2				
3	Constant current source (Current: 0-20 mA DC Resolution: 10 micro ampere Power: 220V, 50Hz AC Display: 3 ½ digit LED Weight: 3Kg app.)	2				
4	Digital Gauss meter with Probe	2				
5	Digital Multimeter	2				
6	Flexible Plug leads 50cm, Black	2				
7	Flexible Plug leads 100cm, Black	4				
8	Flexible Plug leads 50cm, Red	2				
9	Flexible Plug leads 100cm, Red	4				
10	Flexible Plug leads 50cm, Yellow	2				
11	GE Crystal PCB	2				
12	Instruction manual	1				

Annexure 4(ii): Newton's Rings Experiment Setup

SN	Required Minimum Specification		Compliance (Yes/ No)	Make and Model No.	Specification Brochure, if any	Objectives
	Item Name	Qty				
1	Newton's rings unit	4				Exp-1 To determine the wavelength of sodium light. Exp-2 To determine the refractive index of a liquid by using Newton's rings apparatus. Exp-3 To find the radius of curvature of plan convex lens using Newton's rings experiment, given $\lambda=5893\text{\AA}$. Exp-4 To find the thickness of a thin sheet of paper (air wedge experiment).
2	Sodium light source	4				
3	Bridge type microscope	4				
4	Wooden block	4				
5	Spherometer double disc	4				
6	Plano convex lens with plane glass plate	4				
7	Lens holder with rigid base	4				
8	Instruction Manual	1				

Annexure 4(iii): Transmission Grating Experiment Setup

SN	Required Minimum Specification		Compliance (Yes/ No)	Make and Model No.	Specification Brochure, if any	Objectives
	Item Name	Qty				
1	Optical bench (0-100cm), hexagonal section, least count: 1mm	3				Exp-1 Diffraction of light by single slit. Exp-2 Diffraction of light by double slit. Exp-3 Diffraction of light by multiple slit. Exp-4 Diffraction of light by fine wire. Exp-5 Diffraction of light by cross wire. Exp-6 Diffraction of light by wire mesh. Exp-7 Diffraction of light by transmission grating. Exp-8 Diffraction of light by coarse grating. Exp-9 Diffraction of light by circular aperture (Pinhole).
2	Transverse saddle	3				
3	Saddle with micrometer	3				
4	Diode laser with power adaptor	3				
5	Slit holder	3				
6	Pin hole photo detector	3				
7	Digital Multimeter	3				

8	Diffraction slide set (Imported)	3				
9	Single wire	3				
10	Cross wire	3				
12	Connecting lead	5				
13	Diffraction grating (15000 lines)Inch	5				
14	Instruction Manual	1				

Annexure 4(iv): Refractive Index and Dispersive Power Experiment Setup

SN	Required Minimum Specification		Compliance (Yes/ No)	Make and Model No.	Specification Brochure, if any	Objectives
	Item Name	Qty				
1	Spectrometer (L.C=1 minute)		4			Exp-1 To determine the Refractive index of the material of Prism using Sodium Light. Exp-2 To determine the Dispersive power of a prism. Exp-3 To determine the resolving power of the prism. Exp-4 To determine the wavelength of Sodium Light using a plane diffraction Grating. Exp-5 To determine the Resolving Power of a plane diffraction grating.
	Scale	Brass scale, Dia 150mm.				
	Objective	Achromatic, focal length 178mm, aperture 32mm				
	Slit	German silver				
	Reticle	90° cross on glass				
	Least count	1 minute				
	Base	Aluminum Casting				
2	Sodium light source		4			
3	Prism (EDF) 38mm		20			
4	Diffraction grating 15000Lines/Inch		4			
6	Micrometer slit (least count 0.005mm)		4			
7	Reading lens		4			
8	Instruction manual		1			

Annexure 4(v): Flywheel Experiment Setup

SN	Required Minimum Specification		Compliance (Yes/ No)	Make and Model No.	Specification Brochure, if any	Objectives
	Item Name	Qty				
1	Flywheel Dia.=300mm, height: 40mm, mass: 22.2kg, moment of inertia: 0.25kgm ²	3				To determine the moment of inertia of a fly wheel about its own axis of rotation.
2	Pulley D=22mm	3				
3	Set of weights with hanger	3				
4	Base plate: 250x200mm- hole spacing: 230x180mm, Dia:10mm	3				
6	Digital Stop Watch and Scale	3				
7	Instruction manual	1				

Annexure 4(vi): Biot Savart's Law Experiment Setup

SN	Required Minimum Specification		Compliance (Yes/ No)	Make and Model No.	Specification Brochure, if any	Objectives
	Item Name	Qty				
1	Optical bench	3				Exp-1 To study Biot-Savart's law. Exp-2 To study the magnetic field along the axis of a current carrying circular loop. Exp-3 To study the dependency of magnetic field on coil diameter.
2	Set of 3 circular loops with holders	3				
3	Power supply: 0-30 V DC, 0-20 A (Input voltage: 220V, AC: 50Hz Output voltage:0-30V Voltage Resolution:0.1 V	3				

	Voltage Display: 2½ Digit LED Output Current: 0-20 Amp Current Display: 2½ Digit LED Current Resolution: 0.1 Amp Protection: Current-Limiter Primary fuse: 8 Amp)					
4	Gauss meter with axial probe	3				
5	Flexible plug lead (100 cm), red	3				
6	Flexible plug lead (100 cm), black	3				
7	Saddle	3				
8	Saddle with micrometer	3				
9	Instruction manual	1				

Annexure 4(vii): Planck's constant by Led Experiment Setup

SN	Required Minimum Specification		Compliance (Yes/ No)	Make and Model No.	Specification Brochure, if any	Objectives
	Item Name	Qty				
1	Planck's constant apparatus Selector Switch at V-I position :- (Voltmeter Display: 3½ digit, 7segment LED,auto polarity & decimal indication. Voltage Range: 0.000-2.000V Current Display: 3½ digit, 7segment LED Current Range: 0-2000mA) Selector Switch at T-I position :- (Current Display: 3½ digit, 7segment LED Current Range: 0-20mA Temperature Display: 3½ digit,	3				Exp-1 Determination of material Constant h. Exp-2 Determination of Temperature Coefficient of Current. Exp-3 Determination of Planck's constant by LED method.

	7segment LED Temperature Range: Room temperature to 60.0°C)					
2	Oven Heating Element: 20 ohm Oven Connector: 5 Pin, DIN type Ambient Temperature: 60° C Temperature Sensor: Pt100 Output Pin: Heater pin 4 & 5. Temperature pin 1 & 2	3				
3	LED red LED Connector: 3 Pin, DIN type Input Voltage: 220V, 50Hz AC Fuse: 1A, 250 V	4				
4	LED yellow LED Connector: 3 Pin, DIN type Input Voltage: 220V, 50Hz AC Fuse: 1A, 250 V	4				
5	Instruction manual	1				

Annexure 4(viii): Inverse Square Law Experiment Setup

SN	Required Minimum Specification		Compliance (Yes/ No)	Make and Model No.	Specification Brochure, if any	Objectives
	Item Name	Qty				
1	Sliding stand with precise measurement	3				Exp- To verify inverse square law of light using a photo-voltaic cell.
2	Light Source with height adjustment	3				
3	One fixed stand and sliding stand	3				
4	Photo detector with height adjustable facility	3				
5	Instruction manual	1				

Annexure 4(ix): PN Junction Diode Experiment Setup

SN	Required Minimum Specification		Compliance (Yes/ No)	Make and Model No.	Specification Brochure, if any	Objectives
	Item Name	Qty				
1	PN Junction Kit (Instrument comprises of the following: Two Continuously Variable DC Regulated Power Supply 0-3V, 0-30V selectable through a toggle switch. One Round MO65 dual range voltmeter. One Round MO65 dual range ammeter. Different type of Resistances and Capacitors Two PN Junction Diodes connected behind the front panel. One ON/OFF Switch with jewel light is provided on the front panel. Made of Heavy duty metal box construction.)	4				Exp-To study the forward and reverse bias characteristics of PN Junction Diode.
2	Required number of Patch Chords, Power Chords+ 12 Extra					
3	Instruction Manual	1				

Annexure 4(x): Transistor Characteristics Experiment Setup

SN	Required Minimum Specification		Compliance (Yes/ No)	Make and Model No.	Specification Brochure, if any	Objectives
	Item Name	Qty				
1	<p>Transistor Kit (Instrument comprises of the following: Inbuilt Variable DC Regulated Power Supplies Output voltages : 0-1VDC, 0-10VDC On Board Analog Moving Coil Meters (60 mm x 35 mm) Voltmeter: 0-1VDC, 0-10VDC Ammeter: 0-50mADC, 0-250uADC/0-50mADC (Dual range) Transistors provided PNP: CK 100 NPN: CL 100 High quality Aluminum used as front panel of 300 mm x 220mm & mounted on light weight shock proof plastic cabinet Symbol diagram printed on Aluminum Front Panel & all important test Points are brought out on front panel Power requirement: 230 VAC 10%, 50Hz. Weight: 2.0Kg Approx. Dimensions (mm): 330(L) x 225(B) x 75(H)</p>	4				Exp.-Plot the input output and transfer characteristics of a PNP & NPN transistor in common emitter & common base configuration.

2	Required number of Patch Chords, Power chords + 12 Extra					
3	Instruction Manual	1				

FORMAT FOR SUBMISSION OF PRICE BID

From,	To,
	The Director
	IIIT- Bhopal- 462 003

Sub: **Price Bid with reference to Tender Document No: S&P/2019/08 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)
1								
2								
3								
4								
5								
6								
7								
Gross 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 equipments supplied through this tender for five (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- 6
	(Undertaking from Bidder on their official stationery)	
To,		
The Director		
Indian Institute of Information Technology		
Bhopal- 462 003		

Sub:	Undertaking for the participation in the tender No: S&P/2019/08 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	Bidder Information Form (Annexure-1)
4	Primary Commercial Compliance Statement (Annexure- 2)
5	Bill of Quantity (Annexure-3)
6	Technical Specifications of Equipments (Annexure-4)
7	Price Bid (Annexure- 5)
<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 Equipments / 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- 7
AUTHORIZATION LETTER FROM ORIGINAL EQUIPMENT MANUFACTURER		
No:	Date:	
To,		

Ref:	Tender document No: S&P/2019/08 dated: 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>
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Note: 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.

Modifying this format suitably in case where manufacturer's warranty and guarantee are not applicable for the items for which bids are invited.