

**International Institute of Information Technology
(MIIT Mentoring Cell)**

Amendment II

Tender Reference: MIIT/36/16

Supply, installation, testing & commissioning and onsite support for installation and setup of Physics Laboratory for Myanmar Institute of Information and Technology (MIIT) at Mandalay in Myanmar on turnkey basis

Following clarifications are issued in response to the queries received from Prospective bidders:

Sl no	Tender Technical Queries	Bidders Response	Clarifications/Corrigenda/Amendment
01	Section-V – Commercial Price Schedule No : 24, 31, 71 to 81	Please provide detail technical specifications and picture	Please see the revised specifications in Annexure I. The specifications have been revised to outline the standard experiment that needs to be conducted. These are benchmarked experiments and need no further elaboration.
02	Clause 4.4 , Section-II Instruction To Bidders	You have stated that the bidder should be authorized distributors / resellers for all the items mentioned in the tender document. This condition can not be met, because there is so many items in the tender items and anyone quotes for the complete tender cannot furnish the authorized distributorship letter for all those items. Any bidder has to procure so many items from various sources. Hence this condition of authorized distributor/re-seller should be deleted from the tender.	Please see the revised specifications in Annexure I. The specifications are clubbed in to the experiment set up. For major equipment/ item required in the experiment set up the authorized dealership would be required. Bidders may supply miscellaneous, consumable items or components required for the experiment without authorized dealership requirement. However this does not absolve the supplier from warranty obligations and after sale support as outlined in the tender terms and conditions.
03	Earnest Money Deposit (EMD)	You have given exemption to firms registered with NSIC/MSME from payment of earnest money deposit. However you have added a line “ if bidder submits NSIC/ MSME certificate in lieu of EMD then the technical competence to participate in the tender would be ascertained. We want to understand what you want to convey by this? We would like to clarify that we are registered with NSIC/MSME for which we can furnish registration certificates. But if you go through the list of items for which we are registered in these certificates and try to compare it to the items for which you have floated the tender , then you will observe only a few items of the	If a NSIC/MSME certificate is submitted, as part of due diligence in tender evaluation, the validity of the certificate/exemption would be ascertained to determine a reasonable overlap of the services/product listed and the tendered items. If there is a reasonable overlap, the NSIC/MSME certificate would be accepted.

		tender only our registration is there in the NSIC/MSME certificate. In that case will you give us the exemption from payment of EMD ? Please clarify . Not a single bidder will be registered for all those items mentioned in the tender document either with NSIC/MSME or DGS&D	
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Annexure I

SECTION IV – Schedule of Requirement

Description of Work:

The successful bidder will be required to set up, installation and commissioning of entire basic electronics lab for MIIT.

The Bill of Material & Quantity: -

S.No.	Particulars	Quantity
1	Experimental set-up for bridge (Maxwell, de Sauty & Maxwell-Wien) experiments	50
2	Experimental set-up for determination of Stefan's constant	50
3	Experimental set-up for determination of thermal conductivity of a bad conductor	50
4	Experimental set-up for determination of thermal conductivity of a metal (e.g. copper)	50
5	Experimental set-up for determination of thermal diffusivity of brass	50
6	Experimental set-up for determining the rigidity modulus of a metal (e.g. brass)	50
7	Experimental set-up for determining Young's modulus of a metal	50
8	Experimental set-up for measurement of viscosity of a liquid.	50
9	Experimental set-up for measuring dielectric constants of liquids	50
10	Experimental set-up for Newton's rings expt. [set-up to include: (i) bridge-type travelling microscope with 10x magnification, (ii) Reflector for above, (iii) Newton's rings lens set, (iv) sodium vapour lamp (35W), (v) housing for the lamp, (vi) transformer (35W) for the above] (each of these items should be separable, so that the travelling microscope & the sodium vapour lamp can be used for other experiments)	50
11	Experimental set-up for study of B-H curve	50
	Miscellaneous material	
12	Graduated Cylinders (Plastic): 1 litre	50
13	Graduated Cylinders (Plastic): 500 ml	50
14	AlNiCo Bar magnets	70
15	Basic weighing machine with at least 2g LC	5
16	Diffraction grating 15000LPI (Indian manufacture)	50
17	Digital Stopwatch	50
18	Glass prism EDF for spectrometer	50
19	Laser pointers (with cells) for use in simple optics experiments, with one set of spare button cells for each.	70
20	Magnetic compass (with LC at least 1 degree)	70
21	Metre-scales (with LC 1mm) (wooden)	50

22	Micrometre screw-gauge 25mm (LC at least 0.01mm)	50
23	Digital Multimeters	50
24	Plug pattern resistance box 0.1 to 10 Ohms	50
25	Plug pattern resistance box 1-1000 Ohms	50
26	Retort stand with Boss Head & Clamp 8"x5"x24"	60
27	Spectrometer 6" diameter	50
28	Spherical, metallic solid balls approx. 1cm diameter	70
29	Thermometer 110deg. C Al	50
30	Small, thin Capillary tubes	200
31	Assorted small metal springs (as used in ball-point pens, about 2 cm in length)	200
32	Protractors for use in simple optics experiments	50
33	Smooth rubber balls that bounce (or tennis balls) (for use in expt. to measure acceleration due to gravity & coefficient of restitution)	50
34	Dual-end screw-drivers (with both standard & Philips ends)	20
35	Wire-cutter for general use in the lab	5
36	Electric tester for general use in the lab	5
37	Combination pliers	5
38	Adjustable Wrench	5
39	Soldering Iron	5
40	Pack of Solder wire	15
41	Araldite epoxy adhesive pack	5
42	Generic breadboard jumper wires (male to male) 75 pieces pack	05 packs
43	Solderless Breadboard	50
44	Spindle pack of 50-100 blank CDs	1
45	Spindle pack of 50-100 blank DVDs	1

SECTION V – Commercial Price Schedule

Sl no	Description	Quantity	Rate(INR/ USD)	Taxes & Duties	Total Price	Amount
		(X)	(A)	(B)	(C=A+B)	(Y=C*X)
1	Experimental set-up for bridge (Maxwell, de Sauty & Maxwell-Wien) experiments	50				
2	Experimental set-up for determination of Stefan's constant	50				
3	Experimental set-up for determination of thermal conductivity of a bad conductor	50				
4	Experimental set-up for determination of thermal conductivity of a metal (e.g. copper)	50				
5	Experimental set-up for determination of thermal diffusivity of brass	50				
6	Experimental set-up for determining the rigidity modulus of a metal (e.g. brass)	50				
7	Experimental set-up for determining Young's modulus of a metal	50				
8	Experimental set-up for measurement of viscosity of a liquid.	50				
9	Experimental set-up for measuring dielectric constants of liquids	50				
10	Experimental set-up for Newton's rings expt. [set-up to include: (i) bridge-type travelling microscope with 10x magnification, (ii) Reflector for above, (iii) Newton's rings lens set, (iv) sodium vapour lamp (35W), (v) housing for the lamp, (vi) transformer (35W) for the above] (each of these items should be separable, so that the travelling microscope & the sodium vapour lamp can be used for other experiments)	50				
11	Experimental set-up for study of B-H curve	50				
	Miscellaneous material					

12	Graduated Cylinders (Plastic): 1 litre	50				
13	Graduated Cylinders (Plastic): 500 ml	50				
14	AlNiCo Bar magnets	70				
15	Basic weighing machine with at least 2g LC	5				
16	Diffraction grating 15000LPI (Indian manufacture)	50				
17	Digital Stopwatch	50				
18	Glass prism EDF for spectrometer	50				
19	Laser pointers (with cells) for use in simple optics experiments, with one set of spare button cells for each.	70				
20	Magnetic compass (with LC at least 1 degree)	70				
21	Metre-scales (with LC 1mm) (wooden)	50				
22	Micrometre screw-gauge 25mm (LC at least 0.01mm)	50				
23	Digital Multimeters	50				
24	Plug pattern resistance box 0.1 to 10 Ohms	50				
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28	Spherical, metallic solid balls approx. 1cm diameter	70				
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30	Small, thin Capillary tubes	200				
31	Assorted small metal springs (as used in ball-point pens, about 2 cm in length)	200				
32	Protractors for use in simple optics experiments	50				
33	Smooth rubber balls that bounce (or tennis balls) (for use in expt. to measure acceleration due to gravity & coefficient of restitution)	50				
34	Dual-end screw-drivers (with both standard & Philips ends)	20				
35	Wire-cutter for general use in the	5				

	lab					
36	Electric tester for general use in the lab	5				
37	Combination pliers	5				
38	Adjustable Wrench	5				
39	Soldering Iron	5				
40	Pack of Solder wire	15				
41	Araldite epoxy adhesive pack	5				
42	Generic breadboard jumper wires (male to male) 75 pieces pack	05 packs				
43	Solderless Breadboard	50				
44	Spindle pack of 50-100 blank CDs	1				
45	Spindle pack of 50-100 blank DVDs	1				
	TOTAL (INR/USD)					
	DISCOUNT (INR/USD)					
	NET TOTAL (INR/USD)					

Total Amount (In Words) :

Note

1. Do not quote optional items against the requirement mentioned in this tender.
2. Discount (if any) to be offered should be mentioned against in the respective cell provided above. In case it is mentioned elsewhere it will not be considered for the purpose of price comparison.
3. If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail.
4. **The bidder must quote for all the items mentioned under Section IV – Schedule of Requirement. The lowest price criteria shall be applied on the total composite amount of all items taken together.**
5. **If the bidder quotes for partial items mentioned under Section IV – Schedule of Requirement, the bid might be liable to be rejected.**