

International Institute of Information Technology (MIIT Mentoring Cell)

08th March 2018

Tender Reference:- MIIT/50/18 for supply, installation, testing & commissioning and onsite support for installation and setting up 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 Queries	Clause as published in the tender	Remarks/sub mission/Justification	Clarifications/Corrigenda/Amendment
01	Section 1, Clause 2i	The copy of Supply Orders/ Contracts/ Agreements issued by/ signed with Government of India (Ministry/ Department/ Undertaking/ PSU/ Educational Institutions such as IIT's, NIT's, or other such Central Universities/Banking sector/IT-SEZs/Technology parks/ Stock/Commodity exchanges and reputed private organizations including educational institutions in India) for similar work, executed by the bidders in last five years ending December 31st 2017. The bidder should also enclose the completion certificate duly issued by the end user. The bidder should have completed at least ONE similar work not less than Rs. 1.12 Cr OR TWO similar works not less than Rs. 70 Lakh OR THREE similar works not less than 56 Lakh. The similar work means supply & installation of all/ most of the items mentioned in this tender document in a single project on turn-key basis in India/abroad.	Please allow the similar work should mean supply and installation / demonstration of physics/scientific lab/electrical/electronics/ embedded/test and measuring etc laboratory solutions by their bidder or their partner in India/Abroad, instead of supply and installation of all / most of the items mentioned in this tender document. This will help you to get more participation and competitive bids in the tender.	No change
02	Section II, Clause 1	The delivery and installation at site(s) must be completed within 60 days from the date of	Please extend the period of delivery and installation at site from 60 days to 120 days from the date of placement of supply order by IIIT Bangalore.	Change partially accepted. The delivery and installation timeline has been extended to 90 days.

		placement of supply order by IIT Bangalore		
03	Section III, Clause 6	All the items covered in the schedule of requirements, shall carry minimum 2 (two) years on site comprehensive warranty from the date of its installation & commissioning. The bidder must undertake to provide the installation and warranty service in Myanmar.	Please allow the warranty for 02 years should be only on training products from SI no 1-11 given in Section IV Schedule of Requirement as rest of the items are consumable which are easily available in the market and do not carry warranty.	Change accepted. MAF and Warranty is only required for S.No 1 to 11 as listed in the schedule of requirement
04	Section 1, clause 2g	Relevant ISO certificate in Laboratory Infrastructure.	Please allow relevant ISO certificate in Laboratory/communication/ IT infrastructure/ testing and measurement equipments	No change.
05	Section 1, clause 2i	The copy of Supply Orders/ Contracts/ Agreements issued by/ signed with Government of India (Ministry/ Department/ Undertaking/ PSU/ Educational Institutions such as IIT's, NIT's, or other such Central Universities/Banking sector/IT-SEZs/Technology parks/ Stock/Commodity exchanges and reputed private organizations including educational institutions in India) for similar work, executed by the bidders in last five years ending December 31st 2017. The bidder should also enclose the completion certificate duly issued by the end user. The bidder should have completed at least ONE similar work not less than Rs. 1.12 Cr OR TWO similar works not less than Rs. 70 Lakh OR THREE similar works not less than 56 Lakh. The similar work means supply & installation of all/ most of the items mentioned in this tender document in a single project on turn-key basis in India/abroad.	Please allow the similar work should mean setup of any scientific/testing and measurement/forensic/ secured messaging/communication lab/ tv studio lab/ IT lab. This will help in bringing more bidders participation.	No change

06	Section 3, Clause 7	Payments: i. IIIT Bangalore shall release 5% of the payment upon purchase order subject to receipt of the performance bank guarantee as outlined in clause 8 below. ii. IIIT Bangalore shall release 35% of the payment upon dispatch of the tendered items subject to submission of original shipping documents and BL. iii. IIIT Bangalore shall release 30% of the payment upon delivery of the tendered items at MIIT subject to satisfactory certificate of receipt by Embassy of India, Yangon and/or MIIT/IIIT-Bangalore. iv. Payment of 30% of the purchase order value will be made after physical verification by a Project Monitoring Committee (PMC). v. In case of foreign bidders who quoted in US \$, letter of credit(LC) will be opened and payment would be released as per 7(i), 7(ii), 7(iii) and 7(iv).	Please allow 70% payment on dispatch against submission of original invoice, packing list, copy of bill lading /AWB and copy of Insurance and the balance 30% against installation, testing, commissioning duly signed by Embassy of India and / or MIIT/ IIIT Bangalore.	The terms are consistent with other tenders that IIITB has issued for this project. No change
07	Page No 26	Manufacturer Authorization Format (MAF)	Please allow manufacturer authorization as per original equipment authorization format for the items from SI no 1 to 9 and 11 only.	Change is accepted.
08	Section II, Clause 4.2	The bidder should have completed at least ONE similar work not less than Rs. 1.12 Cr OR TWO similar works not less than Rs. 70 Lakh OR THREE similar works not less than 56 Lakh. The similar work means supply & installation of all/ most of the items mentioned in this tender document in a single project on turn-key basis in India/abroad.	Please allow past experience as setting up of any technical / IT lab for training / teaching / education/ research of Rs.1.12 Crore OR TWO similar works not less than Rs. 70Lakh each OR THREE similar works not less than 56 Lakh each.	No change the terms are consistent with other IIITB tenders under this project.
09	Section II, Clause 1	Delivery Period / Project Timelines: The delivery and installation at site(s) must be completed within 60 days from the date of	Please allow more time for Completion at least 190 days from the date of placement of supply order by IIIT Bangalore.	Query is already S.No#2 above

		placement of supply order by IIIT Bangalore.		
10	Section III, Clause 7	<p>Payment Terms: Payments:</p> <p>i. IIIT Bangalore shall release 5% of the payment upon purchase order subject to receipt of the performance bank guarantee as outlined in clause 8 below.</p> <p>ii. IIIT Bangalore shall release 35% of the payment upon dispatch of the tendered items subject to submission of original shipping documents and BL.</p> <p>iii. IIIT Bangalore shall release 30% of the payment upon delivery of the tendered items at MIIT subject to satisfactory certificate of receipt by Embassy of India, Yangon and/or MIIT/IIIT-Bangalore.</p> <p>iv. Payment of 30% of the purchase order value will be made after physical verification by a Project Monitoring Committee (PMC).</p> <p>v. In case of foreign bidders who quoted in US \$, letter of credit(LC) will be opened and payment would be released as per 7(i), 7(ii), 7(iii) and 7(iv).</p>	<p>Please change payment terms to market friendly for wider participation and competitive price.</p> <p>90% payment against proof of Delivery and 10% balance payment of the purchase order value made after physical verification by a Project Monitoring Committee (PMC) and submission of 10% Performance Bank Guarantee</p>	No change the terms are consistent with other IIITB tenders under this project.
11	Section II, Clause 1	The delivery and installation at site(s) must be completed within 60 days from the date of placement of supply order by IIIT Bangalore. All the necessary spare parts and tools required for installation and commissioning of the tendered item will have to be supplied along with the tendered items. The custom clearance of the equipment would be facilitated by Indian Mission in Myanmar. The tendered equipment will	We request you to kindly allow the delivery and installation at site(s) must be completed within 210 days (instead of 70 days) from the date of placement of supply order by IIIT Bangalore.	

		be exempted from payment of Myanmar custom duties. It is mandatory for the bidders who respond to this bid to meet these expectations as time is the essence of this contract and is tightly linked to completing the project within the available time frame.		
12	Section III, Clause 7	i. IIIT Bangalore shall release 5% of the payment upon purchase order subject to receipt of the performance bank guarantee as outlined in clause 8 below. ii. IIIT Bangalore shall release 35% of the payment upon dispatch of the tendered items subject to submission of original shipping documents and BL. iii. IIIT Bangalore shall release 30% of the payment upon delivery of the tendered items at MIIT subject to satisfactory certificate of receipt by Embassy of India, Yangon and/or MIIT/IIIT-Bangalore. iv. Payment of 30% of the purchase order value will be made after physical verification by a Project Monitoring Committee (PMC). v. In case of foreign bidders who quoted in US \$, letter of credit(LC) will be opened and payment would be released as per 7(i), 7(ii), 7(iii) and 7(iv).	We request you to kindly allow 80% payment on dispatch against submission of shipping documents viz Original Invoice, Packing List, Copy of Bill of Lading / Copy of Air Way Bill along with the copy of Insurance & Balance 20% against the Installation report duly signed by MIIT/IIIT-Bangalore and/or Embassy of India at Myanmar.	No change the terms are consistent with other IIITB tenders under this project.
13	Section I, Clause 2.i.i	The copy of Supply Orders/ Contracts/ Agreements issued by/ signed with Government of India (Ministry/ Department/ undertaking/ PSU/ Educational Institutions such as IIT's, NIT 's, or other such Central universities/Banking sector/IT SEZs/Technology	Requesting you to reduce order value, in case of 03 orders, please make it Rs 40 Lac each in place of Rs 56 Lac. Also please allow performance for execution of the order for Electrical Electronics, Embedded, Physics or mix product range for the field of Electronics and Electrical.	No change the terms are consistent with other IIITB tenders under this project.

		<p>parks/ Stock /Commodity exchanges and reputed private organizations including educational institutions in India)for similar work, executed by the bidders in last five years ending December31st 2017The bidder should also Enclose the completion certificate duly issued by the end user. The bidder should have completed at leastONE similar work not less than Rs. 1.12 Cr OR TWO similar works not less than Rs. 70 Lakh OR THREE similar works not less than 56 Lakh The similar work means supply & installation of all/ most of the items mentioned in this tender document in a single project on turn-key basis in India/abroad</p>		
14	Section III, Clause 6	<p>All the items covered in the schedule of requirements, shall carry minimum 2 (two) years on site comprehensive warranty from the date of its installation & commissioning. The bidder must undertake to provide the installation and warranty service in Myanmar.</p>	<p>Warranty 02 years only for training items, there is no warranty required on consumable items.</p>	<p>The query is already answered in S.No 3 above</p>
15	Section 1, clause 2g	<p>Relevant ISO certificate in Laboratory Infrastructure</p>	<p>Kindly amend the relevant ISO certificate in laboratory infrastructure/test and measurement equipment. Please note that the project is for setting up of Physics laboratory which is part of test and measurement equipment.</p>	<p>No change</p>
16	Section I, clause 2h	<p>Only the authorised distributors/resellers are allowed to bid for the items mentioned in the tender document. The specific authorisation letter from Principal/s clearly indicating that the bidder is competent to sell & provide services for the hardware mentioned in the</p>	<p>The items asked under sl no 12 to 45 are available in open market with, we therefore request you to exempt the MAF for the items between sl no 12 to 45 as getting MAF shall be difficult for these items.</p>	<p>The query is already answered in S.No 2 and S.No 7 above</p>

		Scope of Supply given in this tender document should be enclosed.		
17	Section I, Clause 2i	The copy of Supply Orders/ Contracts/ Agreements issued by/ signed with Government of India (Ministry/ Department/ Undertaking/ PSU/ Educational Institutions such as IIT's, NIT's, or other such Central Universities/Banking sector/IT-SEZs/Technology parks/ Stock/Commodity exchanges and reputed private organizations including educational institutions in India) for similar work, executed by the bidders in last five years ending December 31st 2017. The bidder should also enclose the completion certificate duly issued by the end user. The bidder should have completed at least ONE similar work not less than Rs. 1.12 Cr OR TWO similar works not less than Rs. 70 Lakh OR THREE similar works not less than 56 Lakh. The similar work means supply & installation of all/ most of the items mentioned in this tender document in a single project on turn-key basis in India/abroad.	Similar work should mean setup of any scientific /ICT/ or IT lab instead of lab with similar items. We request that this definition should be changed wherever its appearing in the tender document	No change the terms are consistent with other IIITB tenders under this project.
18	Section II, Clause 1	The delivery and installation at site(s) must be completed within 60 days from the date of placement of supply order by IIIT Bangalore. All the necessary spare parts and tools required for installation and commissioning of the tendered item will have to be supplied along with the tendered items. The custom clearance of the equipment would be facilitated by Indian Mission in Myanmar. The tendered equipment will	Please extend the period of delivery and installation at site(s) from 60 days to minimum 150 days from the date of placement of supply order by IIIT Bangalore as these products are not on the shelf available. More over this would require proper packing, custom clearance in dispatch country and thereafter custom clearance process in host country. Time frame of 60 days is too less for delivery, installation and commissioning at site.	The query is already answered in S.No 2 above

		be exempted from payment of Myanmar custom duties. It is mandatory for the bidders who respond to this bid to meet these expectations as time is the essence of this contract and is tightly linked to completing the project within the available time frame.		
19	Section 3, clause 6	All the items covered in the schedule of requirements, shall carry minimum 2 (two) years on site comprehensive warranty from the date of its installation & commissioning. The bidder must undertake to provide the installation and warranty service in Myanmar. The repairing/ rectification/ replacement/ configuration required, if any, must be done at site only. During the warranty, all complaints should be rectified within 7 days from the time of complaint. In case the rectification of fault involves replacement of some hardware the same should be carried out within 21 days from the date of intimation. Failure to do so would result in the invoking of the PBG. The PBG will be released by IIIT Bangalore only after the submission of satisfactory performance certificate issued by MIIT / Indian Mission & end-user after the completion of warranty period. The Purchaser reserves the right to reject any set of equipment found defective within 30 days after the date of acceptance of equipment. The cost towards replacement will have to be borne by the supplier.	Kindly restrict warranty 2 year for the items which are for experiment or training purpose from sl no 1 to 11 given in section IV.	The query is already answered in S. No 3
20	Section III, Clause 7	i. IIIT Bangalore shall release 5% of the payment upon purchase order subject to receipt of the	Request to kindly change the payment terms as following. 1. IIIT Bangalore shall release 5% of payment upon purchase	No change the terms are consistent with other IIITB tenders under this project.

		<p>performance bank guarantee as outlined in clause 8 below. ii. IIIT Bangalore shall release 35% of the payment upon dispatch of the tendered items subject to submission of original shipping documents and BL. iii. IIIT Bangalore shall release 30% of the payment upon delivery of the tendered items at IIIT subject to satisfactory certificate of receipt by Embassy of India, Yangon and/or IIIT/IIIT-Bangalore. iv. Payment of 30% of the purchase order value will be made after physical verification by a Project Monitoring Committee (PMC). v. In case of foreign bidders who quoted in US \$, letter of credit(LC) will be opened and payment would be released as per 7(i), 7(ii), 7(iii) and 7(iv).</p>	<p>order subject to receipt of the performance bank guarantee as outlined in clause 8.</p> <p>2. IIIT Bangalore shall release 75% of the payment upon dispatch of the tendered items subject to submission of original shipping documents viz., invoice, packing list , copy of BL/AWB.</p> <p>3. Payment of 20% of the purchase value will be made after physical verification by Project Monitoring Committee.</p>	
21	Point No 1	Experimental set-up for bridge (Maxwell, de Sauty & Maxwell-Wien) experiments	Should have multiple bridges and each bridge should have functional blocks with test points and indication. All bridges should be provided with separate power supply, inbuilt DPM operating manual with reference results	No change
22	Point No 2	Experimental setup for determination of stefan's constant	<p>Request you to please include electrical method to determine the stefan's constant. For this the setup should have micro controller based digital voltmeter and ammeter with minimum resolution of 100 mV and 10mA.</p> <p>The setup should also have on board power supply and heating elements to perform and verify the stefan's constant with study of temperature dependence of total radiation</p>	No Change
23	Point No 3	Experimental setup for determination of thermal conductivity of a bad conductor .	To perform this experiment, please specify some sample of bad conductor like cardboard, glass and plywood. Also setup should be microcontroller	No Change

			based with digital temperature measurement of steam chamber made up of stainless steel and conductor disc, setup should also have PC interface facility for measurement and experiment.	
24	Point No 4	Experimental setup for determination of thermal conductivity of a metal (eg. Copper)	To perform this experiment, please include that setup should have electric oven for heating precise measurement by spherometer , buzzer indicator, different type of samples such as copper, brass and aluminum. Chamber should be made up of stainless steel for rust free operation, safety guard around the steam jet should be provided with the heating mantle.	No Change
25	Point No 5	Experimental setup for determination of thermal diffusivity of brass	To perform this experiment, please include the setup should PC interface using USB port and supporting software. Setup should have inbuilt voltage measurement facility, on board signal conditioning circuit and temperature sensor.	No Change
26	Point No 6	Experimental setup of determining the rigidity of modulus of a metal (eg. Brass)	For the best suitable way to perform this experiment please include that, setup should have microcontroller based measurement unit, cylindrical and spherical bodies for oscillation, brass and mild steel wire samples and inverted chuck screw type connection.	No Change
27	Point No 7	Experimental setup for determining young's module of a metal	For the best suitable way to perform this experiment please include that setup is used to investigate the change in length of a sample under a varying tension. Precise measurement by spherometer, buzzer indicator, different types of samples such as Aluminum, Brass and Iron. The experiment should be "Determination of Young's modulus of Elasticity of the given samples by bending"	No Change

28	Point No 8	Experimental setup for measurement of viscosity of a liquid.	<p>The setup should have micro controller based LCD display for measurement and facility to measure viscosity in both the mode auto and manual.</p> <p>Out-let in bottom of tube for easy replacement of liquid. Dipped spheres.</p> <p>Measurement unit should enable to capture and store time readings, and gives instant result of viscosity in both auto and manual mode.</p> <p>Centrally bored rubber cork with same trajectory for all spheres.</p> <p>Dipping bowls for easy quenching of sphere and prevent any kind of mixing into each other.</p>	No Change
29	Point No 9	Experimental setup for measuring dielectric constants of liquids	To perform this experiment, please include that setup should PC interface using USB port for measurement of dielectric constant. Inbuilt capacitance and voltage measurement facility.	No Change
30	Point No 11	Experimental setup for study of B-H curve	<p>The setup should have display of magnetic field in gauss. It should have Nickel, Hard steel and soft iron samples. Setup should have variable magnetic field. Understanding the following magnetic parameters and their measurement by this setup.</p> <p>Coercivity Retentivity Saturation Magnetization Various Magnetic Phase Identification Hysteresis Loss</p>	No Change
31	Page No 19		Please provide the specifications for the experimental setup mentioned from SI no 1 to 9 and 11.	No Change
32	Point No 8	Experimental set-up for measurement of viscosity of a liquid.	Please add microcontroller based setup, to finding viscosity by manual and auto-mode and please provide the complete specification.	No Change

33			<p>Apart from the above we wish to bring to your notice that the items desired as per Schedule of requirement on page no 19 to 20 without any specifications.</p>	
34			<p>We request you to Kindly share the generic specifications for fair tender participations as the desired experiments cannot be conducted without the minimum specification of the hardware/software or other accessories required. We therefore request you to provide detailed specifications for items on s.no 1, 2, 3, 4, 5, 6, 7, 8, 9, & 11</p>	No Change
35			<p>We also request to IIIT Bangalore to allow MAF only for main items i.e. s.no 1, 2, 3, 4, 5, 6, 7, 8, 9 & 11 since these items will require items to be supplied as per generic specifications to be laid by IIIT Bangalore. Items under miscellaneous will not require any maf as they are available in open market..</p>	No Change
36	Point No 1	Experimental setup for bridge (Maxwell, de Sauty & MaxwellWien) experiments	<p>Please see to include mimic on top of each bridge with appropriate numbers of test points.</p>	No Change
37	Point No 2	Experimental set up for determination of Stefan's constant	<p>Now a day's most of the academic institutes are using Electrical method to perform Stefan Constant, requesting you to add the same.</p>	No Change
38	Point No 3	Experimental set-up for determination of thermal conductivity of a bad conductor	<p>The setup should include digital display facility for measurements also USB interface and PB based GUI to learn and understand in detail</p>	No Change
39	Point No 4	Experimental set-up for determination of thermal conductivity of a metal (e.g. copper)	<p>Detail specifications of the same is required with list of samples.</p>	No Change
40	Point No 5	Experimental set up for determination of thermal diffusivity of brass	<p>Advance experiment setup with PC interface and supporting software is commonly used. However, detail specifications of the same will be required.</p>	No Change

41	Point No 6	Experimental set-up for determining the rigidity modulus of a metal (e.g. brass)	For this experiments please include that, setup should have Microcontroller based digital display facility, with some samples like mild steel and stainless steel	No Change
42	Point No 7	Experimental set-up for determining Young's modulus of a metal	Detail specification of the same is required with the list of samples.	No Change
43	Point No 8	Experimental set-up for measurement of viscosity of a liquid.	A microcontroller based setup is required which should be capable to store the results in auto and manual mode.	No Change
44	Point No 9	Experimental set-up for measuring dielectric constants of liquids	Advance experiment setup with PC interface and supporting software is commonly used. However, detail specifications of the same will be required.	No Change
45	Point No 1	Experimental set-up for bridge (Maxwell, de Sauty & Maxwell-Wien) experiments	Kindly confirm the technical specifications as the particulars mentioned are incomplete and will not have fair technical comparison. The bridge should have multiple bridges and accordingly functional block for each bridge with indication & test point. The bridges should be provided with the following . 1.DPM inbuilt 2.Power supply separately for each bridge 3.Operating material for reference and result.	No Change
46	Point No 2	Experimental set-up for determination of Stefan's constant	As per this experimental setup there is need of electrical method to establish Stefan's constant experiment for ammeter and digital voltmeter is required. We therefore request you to kindly add ELECTRICAL METHOD , AMMETER with minimum resolution of 10mA & 100mV digital voltmeter. Setup should have heating elements to perform and verify Stefan's constant and on board power supply.	No Change
47	Point No 3	Experimental set-up for determination of thermal conductivity of a bad conductor	The specification for the experiment are not clear & incomplete. We request you to kindly specify the bad conductor (ie, wooden board, glass, plywood, cardboard) for this experiment. Please	No Change

			note the system should be micro controller based and the temperature measurement digitally for the steam chamber which should be made up of stainless steel and conductor disc , PC interface facility for measurement and experiment.	
48	Point No 4	Experimental set-up for determination of thermal conductivity of a metal (e.g. copper)	The specification for the experiment are not clear and incomplete. Kindly add specification for electric oven for heating accurate measurement by buzzer indicator, spherometer from different type of samples such as copper , brass and aluminum, for which the chamber should be made up of rust free material and shall include safety guard around the steam jet that should be provided with heating cover.	No Change
49	Point No 5	Experimental set-up for determination of thermal diffusivity of brass	The specification for the experiment are not clear and incomplete. Kindly ad PC interface supporting software, USB ports , inbuilt voltage measurement, on board signal conditioning circuit , temperature measurement sensor.	No Change
50	Point No 6	Experimental set-up for determining the rigidity modulus of a metal (e.g. brass)	The specification for the experiment are not clear and incomplete. Ideally this setup shall have microcontroller based cylindrical and spherical bodies, measurement unit, steel wires and brass samples etc.	No Change
51	Point No 7	Experimental set-up for determining Young's modulus of a metal	The specifications for the experiment are not clear and incomplete. The specification does not talk about the system to investigate the change in length and sample in variable tension, precise measurement by spherometer , buzzer indicator and the sample should be different type like aluminum, iron ,brass and for the experiment the system should find the Young's module of elasticity. Kindly add the same.	No Change

52	Point No 8	Experimental set-up for measurement of viscosity of a liquid.	Kindly confirm the system should be auto and manual mode microcontroller based system with LCD display to measure the viscosity .For liquid replacement outlet should be in bottom. And also confirm the technical specifications as particulars mentioned are incomplete and will not have fair technical comparison.	No Change
53	Point No 9	Experimental set-up for measuring dielectric constants of liquids	Kindly confirm the technical specifications as the particulars mentioned are incomplete and will not have fair technical comparison	No Change