

MINUTES OF PRE BID MEETING

Held on 16.05.2017

Supply, Installation, Commissioning & Maintenance of Basic Electrical Engineering Laboratory Equipment at IKGPTU Kapurthala and its other constituent campuses (Punjab)

NIT No: EdCIL/PROC/PTU-2017/LAB-BTECH-BEE/BEE-PKG1/1



EdCIL (India) Limited

A Mini Ratna Company

[A Government of India Enterprise]

Under Ministry of Human Resource Development

Plot 18 A, Sector 16 A, NOIDA – 201 301

Uttar Pradesh, INDIA

Tel: 91-120-2512001 to 2512006 (EPABX)

Tel: 91-120-4310840 (Direct)

Fax: 91-120-2515372, 2515485

*Note: This document is serially numbered from pages 01 to 8.
Pre Bid Meeting Date: 16.05.2017*

Queries Regarding Commercial Specifications:

S. No.	Clause No./ Annexure/ Item	Page No.	Name of Company / Agency who had raised queries	Bidder's Query	Clarification
1.	EMD	Page 6 (Technical Bid Document)	M/s. Scientech Technologies	EMD : It will be better if you can consider it in the Form of Bank Guarantee or FDR.	"NO Change in Tender Condition"
			M/s Silicom Electronics	EMD asked is also in shape of Demand Draft only. As the EMD Value is high, we request you to accept FDR/Bank Guarantee as a option.	
2.	Duties (Custom & Excise)	Page 30 (Technical Bid Document)	M/s. Scientech Technologies	EDCIL will provide Custom Duty Exemption Certificate to third party as it is a turnkey project which is to be executed by system integrator.	IKGPTU is exempted from paying custom duty and necessary certificate may be issued as per the requirement.
			M/s Silicom Electronics	IKGPTU is exempted from paying custom duty, but you will not issue Custom Duty Exemption certificate to third party, In this case authorized Distributor/System integrator cannot pass you the benefits of CDEC as they will be treated as third party. CDEC is issued to Dealers/distributors from IITs & NITs as standard practice to avail custom duty exemption benefits. We request you to amend this condition & issue CDEC to Authorized Dealer/System Integrator.	
3.	Price Schedule Form 2A & Form 2B	Page 5 & 6 (Financial Bid Document)	M/s. Scientech Technologies	Verbal Query received regarding change of format of price schedule in Form 2A: " Change F.O.B and C.I.F terms to C.I.F and C.I.P Terms respectively for goods to reach destination without transferring the risk to buyer." Verbal Query received regarding change of format of price schedule in Form 2B: " Change C.I.F term to F.O.R term for goods to reach destination without transferring the risk to buyer."	Price Schedule Form 2A & Form 2B with Suggested modification is attached as Corrigendum No:- 02.
			M/s Silicom Electronics		
			M/s. Agmatel		
			M/s. Trinity Microsystems		

Queries Regarding Technical Specifications:

S.No	Page No.	Items		Existing Specification	Name of Company / Agency who had raised queries	Bidder's Query	Clarifications
1.	37,38 (Annexure I of Technical BID)	1. Multiple (Triple) Output Programmable Liner DC Power Supply	I. Should have following Feature	One selectable output 5V/3A	M/s Silicom Electronics	Should be 0 to 5V/3A	"NO Change in Specification"
2.	8,9 (Annexure IV of Financial Bid)		III. Accessories	Power cord x1, Connecting Test lead x1, Operation manual x1 USB cable x1, Software CD x1	M/s Silicom Electronics	Software/Driver for control through PC should be provided.	"No Change in specification"
3.	& 13,14 (Technical Compliance Report of Financial Bid)		IV. Output	0~30V/0~5A x2, fixed 2.5/3.3/5V/3A x1	M/s Silicom Electronics	As per above specifications you have asked for 3A current only. As per above specifications you have asked for 5V/3A only. 2.5 V & 3.3 V are generally not used. You may ask for 0-5V/3A variable.	0-30V/0-3A, 5V/3A
					M/s. Scientech Technologies	It should be 3A as we have asked the same at Sr.No. 1 0-30V/0-3A X2 and similarly next to it we have asked for 0- 5V/3A which is a standard practice. 0-30V/0-3A,0-5V/3A	
					M/s. Agmatel	0-30V /3A is Ok and 5V/3A should be single Fixed power supply, (2.5/3.3/5V/3A can be replaced with Only 5V/3A which is a standard one.	

						Four Displays are OK. For Fixed 5V Power supply display not needed	
4.			V. Constant voltage operation	Line regulation: $\leq 0.01\% + 3\text{mV}$ Load regulation: $\leq 0.02\% + 5\text{mV}$ Ripple & Noise: $\leq 2\text{mVrms}$ (5Hz~1MHz)	M/s Silicom Electronics M/s. Scientech Technologies	Generally Should be same as Load regulation $\leq 0.02\% + 5\text{mV}$ Load Regulation $< 0.01\% + 5\text{mV}$ Ripple & Noise < 360 Micro Vrms (5Hz – 1MHz)	"No Change in specification"
5.			VII. CH3 output	Output current: 5V , $\pm 8\%$ Line regulation: 3A Load regulation: $\leq 25\text{mV}$ Ripple & Noise: $\leq 25\text{mV}$ Protection: $\leq 2\text{mVrms}$	M/s Silicom Electronics	Current should be : 3 A MAX Should be : Voltage: $\leq 0.02\% + 4\text{mV}$ Current: $\leq 0.2\% + 3\text{mA}$ Should Be : Voltage: $\leq 0.02\% + 4\text{mV}$ Current: $\leq 0.2\% + 3\text{mA}$ Voltage: $\leq 2\text{mVrms}$ Current: $\leq 6\text{mA rms}$ Not clear /Not required	"No Change in specification"
6.			VIII. Display	32V full scale, LED display 3.2A full scale, LED display	M/s Silicom Electronics M/s. Scientech Technologies	Should be LED/LCD for all three Voltage & current settings. Display : LED/LCD/TFT and for all 3 Channels output simultaneously	Should be LED/LCD for all 3 Channels.
7.	39-41 (Annexure I of Technical BID),	2. 10 MHz Function Generator	I. Should have following Features:	Optional parts: power amplifier	M/s Silicom Electronics	Power Amplifier option is not available in any of AFGs available from standard manufacturers	Power amplifier Removed

	9-11 (Annexure IV of Financial BID) & 15 - 17 (Technical Compliance Report of Financial Bid)				M/s. Scientech Technologies	No such specifications are available in Arbitrary Function Generator.	
				Frequency sweep, burst, TTL output	M/s Silicom Electronics	TTL output is not available in any of AFGs available from standard manufacturers	TTL Output Removed
					M/s. Scientech Technologies	TTL Output to be removed	
8.			IX. Sweep (CHA)	Sweep type: Frequency sweep, amplitude sweep	M/s Silicom Electronics	Amplitude sweep is Not available in AFG	Amplitude Sweep Removed.
					M/s. Scientech Technologies	Amplitude Sweep is to be removed as this mode is not been provided by manufacturer.	
				Sweep direction: Up, Down, Up-Down	M/s Silicom Electronics	Up & Down directions are available. Direction cannot be Up-Down both	Up, Down
9.			XII. Shift keying (CHA)	FSK: Free to set carrier waveform frequency and Hoping frequency	M/s Silicom Electronics	Hopping is not a standard.	Hoping frequency is removed.
					M/s. Scientech Technologies	Hoping frequency is to be removed as it is not available /specified by manufacturer.	
				ASK: Free to set carrier waveform amplitude and Hoping Amplitude.	M/s Silicom Electronics	Hopping is not a standard.	Hoping amplitude is removed.
					M/s. Scientech Technologies	Hoping amplitude is to be removed as it is not available /specified by manufacturer	

				Alternative rate: 10ms~60s	M/s Silicom Electronics	Alternate rate is not a standard specification for modulations.	Alternate rate is Removed.
					M/s. Scientech Technologi es	To be removed	
10.	41-42 (Annexure I of Technical BID), 11,12 (Annexure IV of Financial BID) & 17-18 (Technical Compliance Report of Financial Bid)	3. Digital Storage Oscilloscope	III. Real-time Sample Rate	2 GSa/s	M/s Silicom Electronics	Sampling rate should be mentioned for each channel .Should be 1 GS/ s per each channel.	"No Change in specification"
					M/s. Scientech Technologi es	Real Time Sampling 2GSa/Sec per channel or 1GSa/Sec per channel	
11.			IV. Memory Depth	analog channel 1Mpts or More	M/s Silicom Electronics	1 Mpts memory Should be per channel. If all channels are used simultaneously.	1Mpts per channel
					M/s. Scientech Technologi es	Memory : 1Mpts per channel	
12.			VIII. Trigger	Edge, Pulse Width, Video, Slope, Alternative	M/s Silicom Electronics	Alternative trigger is not required in Digital Storage Oscilloscope	"Alternative" word is be removed
					M/s. Scientech Technologi es	Alternative to be removed	
					M/s. Agmatel	Alternative to be removed	

13.	42-43 (Annexure I of Technical BID), 12 (Annexure IV of Financial BID) & 18-19 (Technical Compliance Report of Financial Bid)	4. Digital Multimeter (Hand-Held)	VII.Frequency (Hz)	100Hz or better $\pm(0.1\%+3)$	M/s Silicom Electronics	Should be 100 KHz or better	100Hz – 1MHz
					M/s. Scientech Technologies	Specs are mixed with 3¾ Digit ,6000 Count and 10,000 Count DMM all are different models	
14.			VIII. No. of Digits	3.75 or better	M/s Silicom Electronics	Should be specified as 3 3/4 digit or 4000 counts	4.5 digit or better
					M/s. Scientech Technologies	Specs are mixed with 3¾ Digit ,6000 Count and 10,000 Count DMM all are different models	
15.			IX. Display Count	6000 or better	M/s Silicom Electronics	Does not match with No of Digits 3 3/4 means 4000 counts.	10,000 Count or better
					M/s. Scientech Technologies	Specs are mixed with 3¾ Digit ,6000 Count and 10,000 Count DMM all are different models	
16.			X.	Min/Max recording, Null, Auto Hold, harmonic ratio and V-Sense feature.	M/s Silicom Electronics	Harmonic Ratio & V sense, Null , Auto hold are exclusive/ Proprietary features of one specific brand	Min/Max recording, Null, Auto Hold, harmonic ratio and non contacting voltage sense should be available.
					M/s. Scientech Technologies	Harmonic ratio and V –Sense features Proprietary specifications of one particular make the complete specs to be removed	
					M/s. Yokogawa	The specifications of V-SENSE & Harmonic ratio are Proprietary specifications of only one make.	
17.			XI. Temperature measurement	–50 to 1000°C.	M/s Silicom Electronics	-50 to 1000 for BEE lab is too high. Should be -50 to Max 200/400 Deg C.	“No Change in specification”

			feature should be available		M/s. Scientech Technologies	-50 to 1000 deg centigrade are of proprietary nature.	
18.			XII.	PC connectivity via IR – USB cable along with software to capture the test readings and Bluetooth connectivity feature have available as optional.	M/s Silicom Electronics	Bluetooth & PC connectivity are not required in handheld DMM. USB connection defeats the purpose of Handheld & Bluetooth in DMM is not required.	PC connectivity via IR – USB cable along with software to capture the test readings. Bluetooth connectivity feature is removed.
					M/s. Scientech Technologies	This is to be removed being proprietary specifications of particular make.	
					M/s. Yokogawa	There is no requirement of Bluetooth connectivity	
19.			XIII.	Data logging capability should be available upto 100 readings.	M/s Silicom Electronics	Not required & available in Hand held DMM. Memory space not available & std. in Battery operated DMMS	Data logging capability should be available.
					M/s. Scientech Technologies	To be removed being proprietary specification	
20.			XIV.	Bar graph indication & frequency measurement path feature	M/s Silicom Electronics	Frequency Measurement already specified. Bar graph is a very old & outdated feature, Not available & required in DMMS.	“No Change in specification”