

Pre-bid meeting					
Tender No.45/MDRU/24-9-15					
				Date-08/10/2015	
S.No.	Query raised by	Item no. of query	Item name	Query	Changes suggested
		Item no. 1	Table top non-refrigerated centrifuge	Pt.no.1-Table top model with swing out rotor head 16 tubes of 15 ml. glass tubes.	No change
				Pt.no.3-Speed 10,000rpm & RCF2750 with rotor head.	Speed 4500 rpm & RCF 3000 and above
				European CE (Conformity European)/US FDA certified	No change
		Item no.4	Microfuge	Max g-force 25,000 rcf	No change
				Speed 17000 rpm	No change
				Capacity 30 x 1.5/2.0 mL tubes	Capacity 24 x 1.5/2.0 mL tubes
				Capacity for 1.5 mL tubes 30	Capacity for 1.5/2 mL tubes 24
				Acceleration time to max speed ≤13 s (in FA-45-30-11)	No change
				Braking time from max speed ≤12 s (in FA-45-30-11)	No change
				Acceleration/Brake speed settings	No change
				Timer 30 s to 99 min ,with cont. mode	Timer 1 minute to 99 min, with cont. mode
				Noise level <54 dB(A),	No change
				Dimensions (W x D x H) 12.2 x 23.6 x 9.5 in / 31 x 60 x 25 cm	Removed
				Height with lid open 21.1 in / 53.5 cm	Removed
				Weight 77 lb / 35 kg	Removed
		Item no.15	Bio-safety cabinet	No. of Pre filter 2	Remove No. of Pre filter 2
				Maximum RPM 20000 rpm	Maximum RPM 80000 rpm
				Maximum RCF 254,345 x g	250000-300000 x g
				Speed Preset & Display 1 rpm	1000 rpm to maximum speed in 100 rpm increments

1	M/s Thermo fisher scientific	Item no.23	Ultra Centrifuge	Timer 9 hrs 59 min & hold for free run	1 minute to 9 hrs 59 min & 1 minute increments With HOLD function
				Programmability 20 memory	Programmability Minimum 20 memory
				Rotor Recognition 10 rotors	Rotor Recognition for all rotors
				Rotor Radius Set Range 0.1 mm to max. radius	No change
				Digital Display RPM,RCF,time,temperature,temp limit, program,2 accel/decal time, rotor number, rotor radius, self test	RPM,RCF,time,temperature, program, accel/decal time
				Should be added	Added Machine should accept rotors of other Manufacturers
		Item no. 29	Incubator	10. Peltier heating with continuous air circulation and Heating by natural / forced convection for homogenous temperature distribution	Peltier heating/heating coil based technology
		* At set rpm" for even more reproducible results (Timer starts when set speed is reached)	"Programmable for all parameters (switchable between RCF/RCF) of a run		
		*Frequency controlled induction drive system	No change is suggested		

		Item no.39	Table top Large volume refrigerated centrifuge	* Fast temperature function for rapid cooling of the centrifuge chamber	We may change the text "Soft start and different acceleration levels (1-9), different braking levels (1-9) and brake force cut off"
				RCF : 21800 xg	Maximum RCF: 21500g
				Maximum Speed : 12000 RPM	No change is suggested
				RCF : 18500 g	It is suggested that we may give "17000g or more"
				Capacity : 4x250ml	insert "Minimum" before Capacity.
		Payment terms		100% payment after supply & installation of equipment.	No change
		Eligibility criteria		Dealer/Distributor not allowed	No change
2	M/s QIAGEN India Pvt. Ltd	Item no.13	Real Time PCR System.	Pt.no.1-Real time PCR system should be a high end compact system with 96 well Peltier block- it is company specific	No change
				Pt.no.5-The system should use high intensity LED lamp/Halogen/Xenon as an Excitation source and CCD camera for accurate fluorescent detection-it is company specific	CCD camera/PMT for accurate fluorescent detection.
				Power consumption 900 W max	We may accept
				Dimensions: 35X 65 X 50cm	Each manufacturer has own dimensions hence may be deleted
				Touch Screen + Button improved accuracy	we may accept as all the equipment are operated

Improved Temperature Accuracy : $\pm 0.1^{\circ}\text{C}$ (Isothermal)	No change is suggested
Oven Program : Step 24/25	It is suggested to change the text "Temperature Program Steps- 20 or more"
Maximum No. of Inlet : 3 Maximum Inlet	No change is suggested
10 Heating Blocks (Basics), 1 for oven, 3 for inlet, 3 for detectors 3 for etc.	Please change into "Mounting Blocks- Min. 3 for inlet and 3 for detectors"
Program Steps : 24 Steps/25 Status	No change
Temperature Stability : $\pm 0.01^{\circ}\text{C}$	No change is suggested
Capillary Inlet-Total Flow Range: N2 0-400 ml/min	It is suggested to suffix "Or better"
Pressure Stability : $<\pm 0.05$ psi	It is suggested to change into $<+ _0.1$ psi
Split Less Time Set Point : 0.01 min	It is suggested to change into 0.1 min. or better

3	M/s PerkinElmer (India) Pvt. Limited	Item No. 37	GCMS	Temperature Stability : <±0.1°C	No change is suggested
				Linear Dynamic Range : <±10% over 1x10 ⁷ with	we may accept .
				Features of MS- Dual Filaments	We may change into "Dual Filaments or Single Element with a spare column however matching the sensitivity"
				Glass Window for observing filament Operation	We may accept
				Specifications of MS- Resolution : 0.7 amu	No change is suggested
				Electron Energy : Adjustable from 0eV to 240 eV	It is reported under "Ionization Methods in Organic Mass Spectrometry" that Most mass spectrometers use electrons with an energy of 70 electron volts (eV) for EI. Hence it suggested to accept
				Emission Currency : 500µA Max	we may delete it as there are other technical specs addressing this issue
				Max. Scan Rate : 20000a.m.u./S	In any case we will never go that high in our application.

Dwell Time : 0.00005 to 300 S	Remove
Transfer line Temperature :up to 400°C	We may accept as most of the manufacturers have 350C
Sensitivity (EI) : signal to Noise Ratio 1500:1 and more	but ideally higher S/N better is sensitivity and resolution. Data for other vendors is not
Software : Clarity Software	We may delete "Clarity"
22) 21 CFR Part 11 Clarity satisfies with the requirement of the 21 CFR Part 11 directive of PDA	We should retain it as CFR 21 Part 11 addresses to equipment validation
Software GCMS data System- 2. Measuring simultaneous data acquisition from up to four independent chromatographs, each chromatograph can acquire data from up to 12 detectors	It would be additional requirement but can be used in future if the lab intends to add more equipment but we can restrict to two or more Chromatographs which can
Point no. 16,17,18,19, 22 16. User accounts: Sets up access rights and passwords (Including their parameters e.g. minimum length validity, etc) each user can define his or her own station appearance.	It should be retained
17. Audit trail records selected events and operations into a serial file. Records selected operations directly into a chromatogram.	It should be retained

				18. Electronic signature: each chromatogram can be signed electronically; signature selection is based on the username or the signature certificate.	It should be retained
				19. Networked solution: clarity chromatography station files can be accessed from networked computers using clarity software. This enables the offline evaluations of chromatograms developments of new methods and printing reports.	We can delete the word "Clarity" all else should be retained
				22. 21 CFR Part 11: Clarity Satisfies with the requirements of the 21 CFR Part Directive of the FDA	It should be retained
		Payment terms		100% payment after supply & installation of equipment.	No change
M/s Ark 4 Pvt.Ltd.		Item No. 20	3 part hematology analyzer	Fully automatic hematology analyzer with lab computer & built in printer/external printer	Fully automatic hematology analyser with built in printer. CE certification

5	M/s Transasia	Item no. 20	3 part hematology analyzer	Pt.no.3-Sample size 30-40 ul with automatic cleaning internal & external	Changed to 20-50 ul range
		Item no. 25	5 part hematology analyzer	Pt.no.13-Reproducibility performance WBC: ≤ 2.0% RBC: ≤ 1.5% HGB: ≤ 1.5% MCV: ≤ 1.0% PLT: ≤ 4.0%	Reproducibility performance WBC: ≤ 2.0-4.0% RBC: ≤ 2.0-3.0% HGB: ≤ 2.0-3.0% MCV: ≤ 1.0-2.0% PLT: ≤ 4.0-6.0% Added CE certification The equipment should have a software to get interfaced with LIS/HIS
6	M/s Adarsh enterprises	Item no.3 & 37	HPLC, MS & GC MS	Technical specifications are company specific.	No change
		Qualification criteria		As per your terms, every manufacturer whether who is dealing directly or through its dealer is bound by rules and undertaking to provide services and after sales support there is no point of disallowing the dealers of indian manufacturers from participating in the tender and it will be great injustice to them. Manufacturers mainly wants to participate through their dealers only as they want to concentrate on product development and manufacturing. In case, you insist of indian manufacturers to participate directly in the tender, in that case kindly allow the dealers/distributors name.	No change
				Fully automatic tissue processor with capacity of 200 cassettes per run.	180-200 cassettes per run

Item no. 10	Automatic Tissue Process	4.2 litre jars with fume hood with continuous agitation with facility of swirling motion clockwise and anti-clockwise at the end of cycle	1.8-2 litre jars
		5. Programmable 12 stage timing sequence for each stage for duration 1 min to 9 hrs. in steps of one minute	duration 1 min to 99 hrs, in steps of one minute.
		Please add: 6. Vacuum to all 12 reagent containers.	No change
Item no.11	Rotator Microtome	1. Manual Rotary microtome with knife holder and specimen holder and all accessories.	No change
		2. With imported heavy duty knives 200 & 240 mm	knives 160-240 mm
		4. Horizontal advance of specimen 30mm and vertical stroke 60mm.	Horizontal advance of specimen 25-30mm and vertical stroke 59-60mm.
		5. Universal knife holder base for different knives along with disposable knife holder with safety finger Protection guard	No change
		Add Accessories : Otherwise instrument is incomplete without blades.	Added Accessories- 1. knife 160 cm one; 2. Disposable blades 100
Item no.19	Cryostat	220V, 50/60Hz with disinfection system and motorized.	No change
		Cryobar Temperature -50° C minimum (Cryo + Section) Sectioning Speed	No change

		Item no.3	HPLC	Gradient Formation:4	No change
				PHOTO DIODE ARRAY DETECTOR :- wavelength : 190 -700 nm or above	No change
8	Vijay Sales	Item no.20	3 part hematology analyzer	Should be deleted as already under process of RC	If R/c finalized, it will be deleted
		Item no.24	Binocular Microscope	Should be deleted as already under process of RC	If R/c finalized, it will be deleted
9	Tivitron Healthcare	Item no.19	Crayostat	Pt.no.9-Slow 0.2 mm/s	Slow 0.2-0.5 mm/s
				Pt.no.10- Rapid 0.7 mm/s	Rapid 0.7-0.8 mm/s
		Item no.11	Rotor microtome	Pt.no.4-Horizontal advance of specimen 30mm & vertical stroke 60mm	Horizontal advance of specimen 25-30mm and vertical stroke 59-60mm.
		Item no.25	5 part differential blood cell counter	Pt.no.3-23+4 parameters including RDW-SD	Change to should be changed to 24 parameters including RDW-SD