



राष्ट्रीय औषधीय शिक्षा एवं अनुसंधान संस्थान्

National Institute of Pharmaceutical Education and Research (NIPER)
Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers
Govt. of India

TECHNICAL COMPLIANCE STATEMENT FOR ULTRACENTRIFUGE TENDER

TENDER ENQUIRY NO. NIPER-HJP/ S&P/ULTRACENTRIFUGE/ 42 B/2020-21

**NATIONAL INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH (NIPER),
HAJIPUR**

TOTAL NO OF TENDERS – 3

**NO OF BIDDERS IN THE FINAL TENDER – 2 , BECKMAN-COULTER AND SRN
SCIENTIFIC FOR HITACHI**

**BASED ON TECHNICAL BID COMPARISON ONLY BECKMAN COULTER QUALIFIES
FOR PARTICIPATION IN FINANCIAL BID**

Tender Enquiry Specification	Specification of Equipment Offered BY SRN SCIENTIFIC (HITACHI)	Specification of Equipment Offered BY BECKMAN COULTER XPN 100	Compliance with Technical Specifications / Remarks
1	2	3	4
Maximum RCF (x g): 800,000g or more	Max. G Force - 8,03,000 x g	Optima XPN 100 offered Maximum RCF (x g): 802,000g	Both Complied
Speed Control: ± 2 rpm of set speed	Speed Control Accuracy:- ± 2 rpm of set speed	Optima XPN 100 offered Speed Control: ± 2 rpm of set speed	Both Complied
Set Temperature: 0 to 40°C in 1°C increments	Set temperature range:- 0 to 40 Deg C in 1Deg C increment	Optima XPN 100 offered Set Temperature: 0 to 40°C in 1°C increments	Both Complied

Temperature Control: $\pm 0.5^{\circ}\text{C}$ of set temperature	Temperature Control: $\pm 0.5^{\circ}\text{C}$ of set temperature	<i>Optima XPN 100 offered Temperature Control: $\pm 0.5^{\circ}\text{C}$ of set temperature</i>	Both Complied
Temperature display: Actual rotor temperature in 0.1°C increments	Temperature display: Actual rotor temperature in 0.2°C increments	<i>Optima XPN 100 offered display of Temperature Actual rotor temperature in 0.1°C increments</i>	<i>Slightly Deviate By Hitachi but both complied</i>
Large touch-screen display with adjustable positions	Large Touch screen display not having any adjustable position.	<i>Optima XPN 100 offered Large touch-screen display with adjustable positions</i>	<i>Slightly Deviate By Hitachi but both complied</i>
Drive type: Imbalance tolerant direct drive, eye balance to within 5 mm,	Drive type: Imbalance tolerant direct drive, eye balance to within 5 mm,	<i>Optima XPN 100 offered Imbalance tolerant direct drive, eye balance to within 5 mm,</i>	Both Complied
Refrigeration system: Thermo electric temperature control system and non- coolant based.	Refrigeration system: Thermo electric temperature control system and non- coolant based.	<i>Optima XPN 100 offered Thermo electric temperature control system and non- coolant based.</i>	Both Complied
Vacuum system: Moisture purging / Moisture removal system	Vacuum system: Moisture purging	<i>Optima XPN 100 offered Moisture purging / Moisture removal system</i>	Both Complied
Temperature range should be from 0 Degree to 40°C in 1°C increment increment.	Temperature range from 0 Degree to 40°C in 1°C increment increment.	<i>Optima XPN 100 offered Temperature range from 0 Degree to 40°C in 1°C increment</i>	Both Complied
Ambient operating rage should	Ambient operating	<i>Optima XPN 100 Ambient</i>	Both Complied

be 10 to 30°C	range should be 10 to 30°C	<i>operating range of 10 to 30°C</i>	
Acceleration / Decelerations profile: 10/10 or more	Acceleration / Decelerations profile: 10/11	<i>Optima XPN 100 offered Acceleration / Decelerations profile: 10/11</i>	Both Complied
System should come with color large LCD touch screen operation for RPM / RCF / Temp. / Time (Run / Hold) / Vacuum display with error alarms.	System should come with color large LCD touch screen operation for RPM / RCF / Temp. / Time (Run / Hold) / Vacuum display with error alarms.	<i>Optima XPN 100 comes with color moveable large LCD touch screen operation for RPM / RCF / Temp. / Time (Run / Hold) / Vacuum display with error alarms.</i>	Both Complied
Convenient rotor catalogue and rotor tracking by serial number	System supplied with rotor catalogue and rotor tracking by serial number	<i>Optima XPN 100 comes with Convenient rotor catalogue and rotor tracking by serial number</i>	Both Complied
Simulation software feature must be there which can provide Sedimentation Coefficient & Protocol Optimization before the experiment run.	SMART software been provided which can perform Protocol Optimization	<i>Optima XPN 100 comes with Simulation software feature which can provide Sedimentation Coefficient & Protocol Optimization before the experiment run.</i>	Both Complied
Rotor Capacity: 8 x 6 mL or more with 800,000 x g or 100,000 rpm	Rotor Capacity: 8 x 12 mL with 700,000 x g or 90,000 rpm	<i>Optima XPN 100 been quoted with Type 100 Ti rotor which having 8 x 6 mL capacity with 802,000 x g & 100,000 rpm</i>	<i>Slightly Deviate By Hitachi but both complied</i>
Rotor k-factor: 18 or less	Rotor k-factor: 16	<i>Type 100 Ti having the K factor of 15</i>	Both Complied

Sealable Polyallomer tube of less than 3 mL working volume capacity should be able to run at 800,000 x g or more. Should include – 300nos	Quoted with rotor	<i>Type 100 Ti rotor been quoted with Sealable Polyallomer tube of 2 mL working volume capacity also be able to run at 802,000 x g, Included 300 No's</i>	Both Complied
Sealable Polyallomer tube of 6 mL capacity should be able to run at 800,000 x g or more. Should include – 300nos	Quoted with rotor	<i>Type 100 Ti rotor been quoted with Sealable Polyallomer tube of 6 mL capacity which can able to run at 802,000 x g . included – 300nos</i>	Both Complied
Rotor Capacity: 44 x 6.5 mL or more with 310,000 x g or 50,000 rpm	Rotor Capacity: 44 x 6.5 mL or more with 316,000 x g or 50,000 rpm	<i>Optima XPN 100 been quoted with 50.4 Ti rotor which having capacity of 44 x 6.5 mL with 310,000 x g /50,000 rpm</i>	Both Complied
Rotor k-factor: 33 or less	Rotor k-factor: 32	<i>50.4 Ti rotor having k-factor: 33</i>	Both Complied
Sealable Pollyallomer tube with must having working volume of Less than 2.5 mL capacity should be able to run at 310,000 x g or more. Should include – 300nos	Quoted with rotor	<i>Sealable Pollyallomer tube with working volume of 1 mL capacity be able to run at 310,000 x g or more. Should include – 300nos.</i>	Both Complied
Sealable Pollyallomer tube of 6.5 mL capacity should be able to run at 310,000 x g or more. Should include – 300nos	Quoted with rotor	<i>Sealable Pollyallomer tube of 6.5 mL capacity which can able to run at 310,000 x g also included – 300nos</i>	Both Complied

Rotor Maximum Capacity: 6 x 38 mL or more with rotor maximum Force of 175,000 x g or 32,000rpm	Rotor Maximum Capacity: 6 x 40 mL or more with rotor maximum Force of 180,000 x g or 32,000rpm	<i>Optima XPN 100 quoted with SW 32Ti having capacity of 6 X38.5 ml with 175,000 x g or 32,000rpm</i>	Both Complied
Rotor k-factor: 204 or less	Rotor k-factor: 188	<i>SW 32Ti rotor K factor is 204</i>	Both Complied
Polypropylene and Ultra clear tubes of 38 mL capacity or more that can be run at 175,000 x g should be supplied. Total Qty- Total 200 tubes	Quoted with rotor	<i>SW 32 Ti been quoted with 38ml ultra clear tubes wwhich can run at 175,000 x g. Total Qty-Total 200 tubes been included</i>	Both Complied
30-32ml or more reusable tubes to be included which can run at 175,000g – 300 nos Must be included	Quoted with rotor	<i>SW 32 Ti rotor been quoted with 31ml Reusable Polycarbonate tubes which can run at 175,000g – 300 nos been included</i>	Both Complied
Drive Cooling: Air-cooled	Drive Cooling: Air-cooled	<i>XPN 100 having AIR COOLED drive cooling</i>	Both Complied
Adaptors to accommodate small volume samples without sacrificing the maximum g force of the rotor.	Adaptors to accommodate small volume samples without sacrificing the maximum g force of the rotor.	<i>Varieties of Adaptors to accommodate small volume samples without sacrificing the maximum g force of the rotor.</i>	Both Complied
Ability to remove moisture with vacuum	Ability to remove moisture with vacuum	<i>Optima XPN 100 having Ability to remove moisture with vacuum</i>	Both Complied

A solid state thermopile shall monitor the chamber temperature	A solid state thermopile shall monitor the chamber temperature	<i>Optima XPN 100 having solid state thermopile thermoelectric monitor the chamber temperature</i>	Both Complied
Expert software with inbuilt calculations, simulations and references	HAVING ALL THE ADVANCE FEATURES	HAVING ALL THE ADVANCE FEATURES	Both Complied
Real-time run graphing			
Powerful on-board simulation and calculation tools			
Demonstration and onsite training for 3-4 times during warranty period as and when required should be given free of cost for after sales support. the date of installation and during the warranty period.	AGREED AS PER THE TENDER TERMS	AGREED AS PER THE TENDER TERMS	Both Complied

Details of Administartive and Financial Scrutiny as per the Documents required as per Section Instruction to Bidders –Comparison sheet

Documents required in Tec. Bids	BECHKMAN COULTER Life Science Pvt Ltd	SRN Scientifiv and Chemicals (HITACHI)	Compliance in terms of administrative/ financial terms
Details of the Technical features of the offered Equipments	Yes	Yes	Complied

Standerd Technical Literature	Yes	Yes	complied
Dealership Certificate	Not Required	Not From HITACHI, It's From Techcomp Limited who were authorized from HITACHI in Year 2014 the period of validity is not mentioned	Only Beckman Complied
List of Reputed Organisation/ Institute where similar orders have been executed (Copies of the purchase order will have to be enclosed)	yes	Only List Submitted No Work Order/ Supply Order Submitted	Only Beckman Complied
The Bidder Should have attach a self declaration stating that he is not banned/ debarred from working with any Central Govt/ PSU/State Gov etc	yes	Not Submitted	Only Beckman Complied
Balance Sheet with auditor Report for last three years	For 2016-17,2017-18 and 2018-19	Not Submitted	Only Beckman Complied
Copy of PAN	YES	YES	Complied
Bankers Details	YES	YES	Complied
Details of Nature and Maximum Period of Warranty offered by the Bidders		Not Submitted	Only Beckman Complied
Copy of Price Bid Without Mentioning the price	Yes	Yes	Complied
Format of Compliance Statement	Yes	Not Submitted	Only Beckman Complied
Format for technical bid as provided	Yes	Yes	Complied