



All India Institute of Medical Sciences, Bhubaneswar
At - Sijua (Patrapada), Post - Dumuduma, Bhubaneswar (Odisha) - 751 019

To be uploaded in Website: www.aiimsbhubaneswar.edu.in (Tender)

Dated: 21/12/2020

Reference No: J-11078(10)/S&P/20-21/20

Sub: Procurement of -80-degree deep Freezer (Make: Cyoscientific) for establishment of Center for excellence for clinical microbiome research (CCMR) at AIIMS, BBSR on Proprietary basis - **Inviting Comments thereon.**

The Department of Biochemistry for establishment of CCMR of AIIMS, Bhubaneswar has requested for Procurement of -80-degree deep Freezer (Make: Cyoscientific) from M/s. Cyoscientific System Pvt. Ltd., Chennai.

The Notice is being uploaded for general information of prospective manufacturer/Authorized Distributor/Dealers to submit their objection/proposal/comments, if any, on proprietorship of the item.

In case the product of any manufacturer/Authorized distributor/Dealer conforms to the enclosed specifications, they may submit their proposal for the supply of the same along with the brochures, point by point compliance of the enclosed specifications along with all documentary evidence. One quotation of the product may also be submitted.

The objections/comments/proposal should be sent in sealed cover to the Office of Sr. Procurement Cum Stores Officer, AIIMS, Bhubaneswar (Odisha) - 751019 or through e-mail to spo@aiimsbhubaneswar.edu.in & aso.rnpattnaik@aiimsbhubaneswar.edu.in & stokee_priya@aiimsbhubaneswar.edu.in so as to reach on or before **date: 04-1-2021** failing which it will be presumed that no other firm is interested to offer comments/protest/object and case will be decided on its merits.

The ref. no.- J-11078(10)/S&P/20-21/20, dt: 21-12-2020, due on dated: 04-01-2021 should be superscripted on sealed envelope.

Enclosure:

1. Proprietary Article Certificate from Indenting Officer of Department of CCMR, AIIMS, Bhubaneswar. **Annexure-I**
2. PAC of M/s. Cryoscientific System Pvt. Ltd., Chennai for -80-degree deep Freezer. **Annexure-II**
3. Latest Price Quotation of M/s. Cryoscientific System Pvt. Ltd., Chennai - **Annexure III**
4. Literature & Brochures of indented item- **Annexure-IV**

Copy to:-

1. Indenting Officer, Department of CCMR
2. Accounts Officer
3. IT Cell

- for information please
- for information please
- for hoisting in the website.


Sr. Procurement-cum-Stores Officer

AIIMS, BHUBANESWAR

Proprietary Article Certificate
Valid for the Current Financial Year

File No. and Date Reference :		
1	Description of article	Ultra-low temp freezer Thermo Scientific TSX Series Upright Ultra-Low Temperature Freezers (-50°C to -86°C) Model TSX 400V. Capacity 548 Litres. Model No. : TSX400V
2	Forecast of quantity / annual requirement	2
3	Approximate estimated value for above quantity	13,86,000/-
4	Maker's name and address	M/s Cryo Scientific Systems Pvt Ltd, 2/628 Rapid Nagar, Kunrathur High Road Gerugambakkam, Chennai 600 128 Telefax: 044-2382 1611 / 2382 1612 Email: team@cryoscientific.com / info@cryoscientific.com Website: www.cryoscientific.com Mobile: 0-6380 067 498/ 0-9025 130 103
5	Name(s) of authorized dealers/ stockists	M/s Cryo Scientific Systems Pvt Ltd
6	I approve the above purchase on PAC basis and certify that :- Note- Tick to retain only one out of (b), C-1) or (c-2) whichever is applicable and cross out others. Please do confirm (a) by ticking it - without which PAC certificate will be invalid.	
6 (a)	This is the only firm who is manufacturing / stocking this item. AND	Yes
6 (b)	A Similar article is not manufactured / sold by any other firm, which could be used in lieu OR	Yes
6 (c-1)	No other make/brand will be suitable for following tangible reasons (like OEM/ Warranty, spares.) : VIP Insulation(vacuum panel), inner chamber made of stainless steel 304 grad, cam lock with keys for safety locking, touchscreen microprocessor-based temp. controller with self data log, inn and expire date of samples can be stored, will work in ambient temp. of 42 degree celcius.	Instrument performance and experience
6 (c)	No other make/brand will be suitable for following intangible reasons : (If PAC was also given in the last procurement cycle, please also bring out efforts made since then to locate more sources) : OR	
7	Reference of concurrence of finance wing to the proposal :	
History of PAC Purchase of this item for past three years may be given below :		
Name of the Supplier		
Order/ Tender Reference & Date	Quantity Ordered	Basic Rate on Order (Rs.)
		Adverse Performance Reported If Any

Specifications Of Ultra low Freezer (-80°C)

- Large Storage Capacity
- Super Silent Performance
- Less Power Consumption

DESIGN:

Interior: Inner tank made of stainless steel (SS 304 Grade) with rounded corners

Exterior: Outer cabinet made of CRCA sheet with durable paint and attractive finish

Shelves/ Trays: Stainless steel (SS-304) shelves 3nos having four compartments.

Doors: Double Foaming PUF insulated door with patent technology, left hinged, main door with CAM lock

Insulation: Non-CFC, high density, High Temperature performance, six sides of body with (VIP) Vacuum Insulation panel in PUF insulation technology with 155mm insulation.

Closure: Double PUF Insulation inner door with patent technology and triple circuits of silicone gaskets to prevent any air seepage and ensure excellent sealing

Lock: Patent CAM action lock with full length handle & vacuum release device for easy door opening

Dust filter: Side opening front bottom panel, easily openable to clean the air filter.

Heater Line: HHotline around the front of the cabinet to prevent moisture condensation.

Castors: Universal caster wheels with lock & fixed feet

File Box: Special File box on the front door – convenient for end users to record the daily data

Port Hole: Port for Validation

ECO-FRIENDLY REFRIGERATION SYSTEM:

Compressors: Heavy-duty, hermetically sealed compressor from Embraco.

Refrigerants: Non-CFC, Non-HCFC, Eco-friendly mixture refrigerant, patent technology

Condenser: Air-cooled condensation system, aided by continuous rated motor fans from EBM

Cooling Coils: High Purity (99.99%) copper cooling coils all around the inner cabinet

Silent operation: Low Noise performance < 46 decibels

CONTROL SYSTEM:

Controller: Microprocessor Based 7inch Digital LED Touch Screen display controller with keyboard lock, password protected configuration and self diagnosis

9

Display: Eye level Digital LED Display of temperature and other parameters

Calibration: Temperature calibration traceable to National standards.

Alarms: Audio-visual alarms for High/Low temperature deviation, Sensor failure / Malfunction, High Ambient/Clogged Filter, Door Open & High Voltage.

Probe: Fast response, Pt-100 RTD sensor for accurate temperature measurement

Data Logger: Inbuilt Data logger with External USB interface storage & it can store the data upto 8 years in 16GB USB Memory.

PAC

5

cryo scientific
systems (pvt) limited



To Whom it may concern

Sub: Proprietary Article Certificate for the product

Brand: **Cryo Scientific** (Ultra Low Freezer)

Model No: URC-V-650-4

This is to certify that the above equipment is manufactured only by us in Chennai, India with the model number URC-V-650-4.

No other manufacturer or dealer is manufacturing the product with the same brand and model number.

Hence the product is proprietary in nature.

Special features:

1. VIP Insulation (Vacuum Panel)
2. Inner chamber made up of Stainless steel 304 grad
3. Cam Lock with keys for ensured safety locking.
4. Touch Screen Microprocessor- based temperature controller with self data log.
5. Inn and expire date of Samples can be store.
6. It will work in the Ambient Temperature of 42°C.
7. CE & ISO Certified

For Cryo Scientific Systems Pvt Ltd.,

Authorized Signatory



2/628, Rapid Nagar, Kuvathur High Road, Chengambakkam, Chennai - 600122.
Phone : 044-23821611 Fax : 044-23821612 E-mail : info@cryoscientific.com
website : www.cryoscientific.com

PROFORMA QUOTATION

cryo scientific
systems (pvt) limited

GSTIN: 33AAACC6758L1ZF

The Additional Professor,
Dept. of Bio-Chemistry,
All India Institute of Medical Sciences,
Bhubaneswar - 751 019.

Ref: Enquiry thru telecom with our colleague
Mr. Rajganesh

Our Offer No: 061AR/2020-21 B Dated: 27.08.2020

Kind Attn: Dr.R.Balamurugan

S.No	SPECIFICATIONS																																														
1.	NEWGEN ULTRA FREEZER (-40°C to -86°C) UPRIGHT WITH TOUCH SCREEN PANEL > Large Storage Capacity > Super Silent Performance > Less Power Consumption DESIGN: <table> <tr> <td>Interior</td><td>Inner tank made of stainless steel (SS 304 Grade) with rounded corners</td></tr> <tr> <td>Exterior</td><td>Outer cabinet made of CRCA sheet with durable paint and attractive finish</td></tr> <tr> <td>Shelves/ Trays</td><td>Stainless steel (SS-304) shelves 3nos having four compartments.</td></tr> <tr> <td>Doors</td><td>Double Foaming PUF insulated door with patent technology, left hinged, main door with CAM Lock</td></tr> <tr> <td>Insulation</td><td>Non-CFC, high density, High Temperature performance, six sides of body with (VIP) Vacuum Insulation Panel in PUF insulation technology with 155mm insulation.</td></tr> <tr> <td>Closure</td><td>Double PUF Insulation inner door with patent technology and triple circuits of silicone gaskets to prevent any air seepage and ensure excellent sealing</td></tr> <tr> <td>Lock</td><td>Patent CAM action lock with full length handle & vacuum release device for easy door opening</td></tr> <tr> <td>Dust filter</td><td>Side opening front bottom panel, easily openable to clean the air filter.</td></tr> <tr> <td>Heater Line</td><td>Hotline around the front of the cabinet to prevent moisture condensation.</td></tr> <tr> <td>Castors</td><td>Universal caster wheels with lock & fixed feet</td></tr> <tr> <td>File Box</td><td>Special File box on the front door – convenient for end users to record the daily data</td></tr> <tr> <td>Port Hole</td><td>Port for Validation</td></tr> </table> ECO-FRIENDLY REFRIGERATION SYSTEM: <table> <tr> <td>Compressors</td><td>Heavy-duty, hermetically sealed compressor from Embraco.</td></tr> <tr> <td>Refrigerants</td><td>Non-CFC, Non-HCFC, Eco-friendly mixture refrigerant, patent technology</td></tr> <tr> <td>Condenser</td><td>Air-cooled condensation system, aided by continuous rated motor fans from EBM</td></tr> <tr> <td>Cooling Coils</td><td>High Purity (99.99%) copper cooling coils all around the inner cabinet</td></tr> <tr> <td>Silent operation</td><td>Low Noise performance < 46 decibels</td></tr> </table> CONTROL SYSTEM: <table> <tr> <td>Controller</td><td>Microprocessor Based 7inch Digital LED Touch Screen display controller with keyboard lock, password protected configuration and self diagnosis</td></tr> <tr> <td>Display</td><td>Eye level Digital LED Display of temperature and other parameters</td></tr> <tr> <td>Calibration</td><td>Temperature calibration traceable to National standards.</td></tr> <tr> <td>Alarms</td><td>Audio-visual alarms for High/Low temperature deviation, Sensor failure / Malfunction, High Ambient/Clogged Filter, Door Open & High Voltage.</td></tr> <tr> <td>Probe</td><td>Fast response, Pt-100 RTD sensor for accurate temperature measurement</td></tr> <tr> <td>Data Logger</td><td>Inbuilt Data logger with External USB interface storage & it can store the data upto 8 years in 16GB USB Memory.</td></tr> </table>	Interior	Inner tank made of stainless steel (SS 304 Grade) with rounded corners	Exterior	Outer cabinet made of CRCA sheet with durable paint and attractive finish	Shelves/ Trays	Stainless steel (SS-304) shelves 3nos having four compartments.	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Dr. Balamurugan Rajganes
Additional Professor
Department of Bio-Chemistry
AIIMS, Bhubaneswar

2/62B, Rapid Nagar, Kumbhari High Road, Gungambakkam, Chennai - 602 101
Phone : 044-2382 1611 Fax: 044-2382 1612 E-mail : info@cryoscientific.com
website : www.cryoscientific.com

PROFORMA QUOTATION

cryo scientific
systems (pvt) limited

GSTIN: 33AAACC6758L1ZF

The Additional Professor,
Dept. of Bio-Chemistry,
All India Institute of Medical Sciences,
Bhubaneswar - 751 019.

Ref: Enquiry thru telecom with our colleague
Mr. Rajganesh

Our Offer No: 061AR/2020-21 B Dated: 27.08.2020

Sl. No.	Qty.	Description	Unit Price Rs.	Amount Rs.
1.	1 No	NEWGEN ULTRA FREEZER (-86°C) - CE marked UPRIGHT (VERTICAL) TYPE (Along with Automatic Voltage Stabilizer) Model : URC-V-650-4 Volume : 670 Liters Brand : Cryo Scientific Inner size : 755 (W) x 700 (D) x 1270 (H) mm approx., Outer size : 1070 (W) x 994 (D) x 1947 (H) mm approx., PRICE	7,43,000/-	7,43,000.00

TERMS & CONDITIONS

Delivery Period	Within 6 to 8 weeks from the date of receipt of your firm order with advance.
Rates	FOR Destination ----- M/s. AIIMS, Bhubaneswar - 751 019.
Taxes	GST extra as applicable @ 18%
Entry Tax	As per GST norms.
Payment	100% Payment Against Delivery.
Validity	30 Days
Warranty	THREE YEARS warranty on equipment against proven manufacturing defects.

For Cryo Scientific Systems Pvt Ltd.,

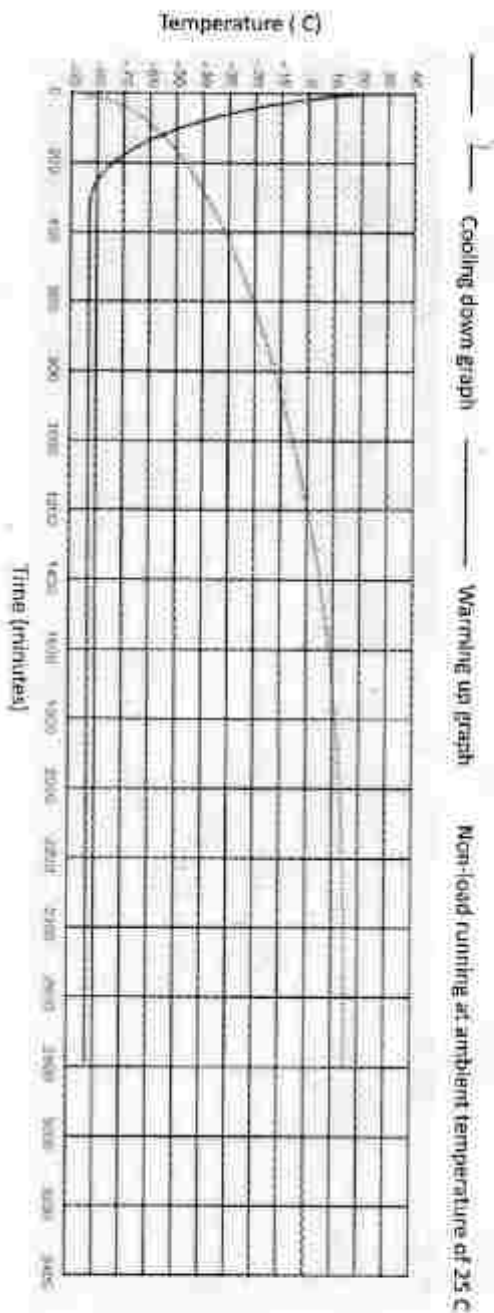
Authorized Signatory

Dr. Balamurugan Ramadas
Additional Professor
Department of Biochemistry
AIIMS, Bhubaneswar-751019

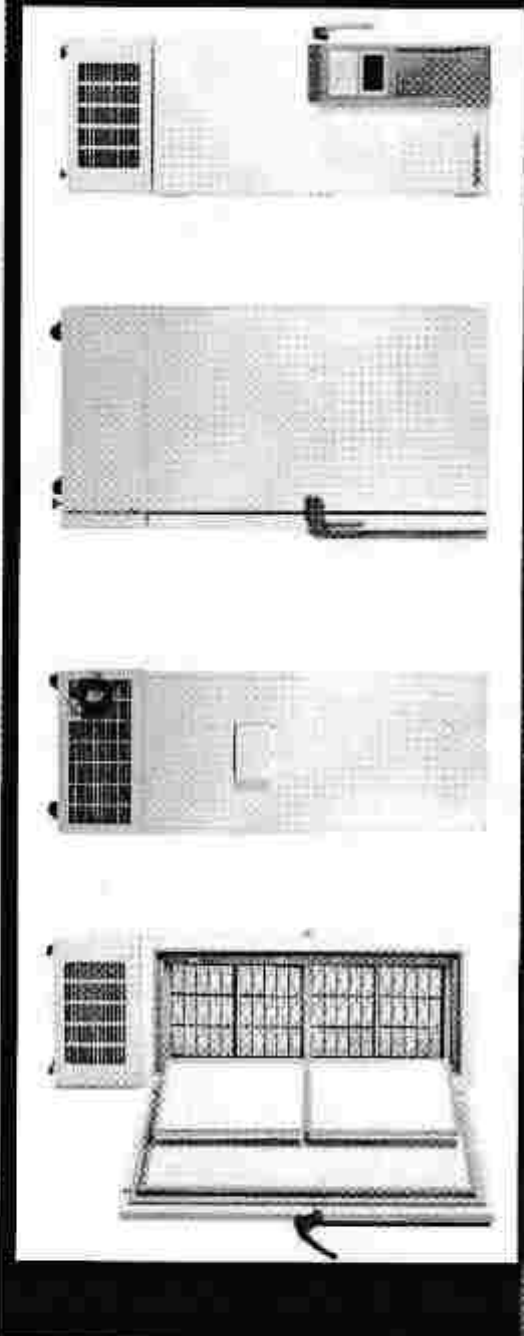


2/628, Road Nager, Kuerathur High Road, Gungahabakkam, Chennai - 602 101.
Phone: 044-2382 1611 Fax: 044-2382 1632 E-mail: info@cryoscientific.com
website: www.cryoscientific.com

PULL DOWN, WARM UP; TIME - TEMPERATURE MAP



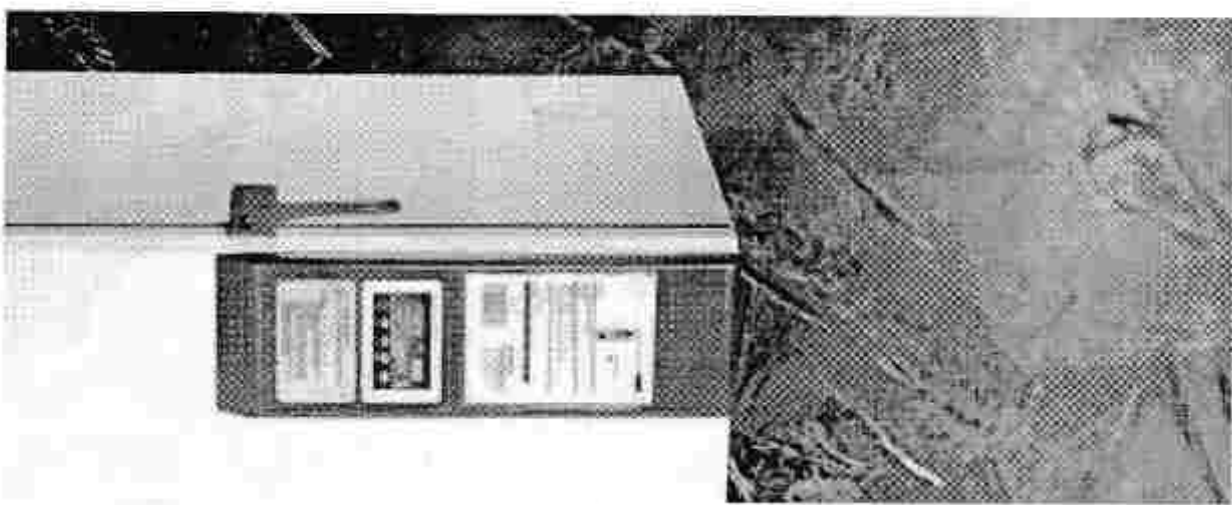
URC-V-380-4



DATA TABLE (-40°C to -86°C)

Model	Inter Volume (L)	External Dimension (mm) W x D x H	Internal Dimension (mm) W x D x H	Power Consumption (KWh/Day)	Weight (Nt./Gt)	Cryo Racks	Cryo Boxes	2" Size Vials
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CRYO scientific
systems (pvt) limited



ECO FRIENDLY REFRIGERATION SYSTEM



Energy Efficient Refrigeration system with unique technology for rapid cooling & Ultra fast pull down.

Cascade sub-cooling refrigeration system with air cooled condenser system. Ideal compressor running time is 40%

Hermetically sealed compressors with start-up delay

High level of Temperature Stability & Uniformity.

Solid Main door & inner sub-doors (2 to 5 Nos) of Double foaming insulation, with durable hinges

Triple circuits of silicon, prevents air seepage and ensure excellent sealing.

Access ports (25mm) for Calibration & CO₂/N₂ Backup, CFC & HCFC free, Non-Flammable, Eco-friendly refrigerant mixture

TOUCH SCREEN PANEL



Microprocessor control system ($\pm 1^{\circ}\text{C}$ accuracy) with Non-volatile memory & Inbuilt self diagnosis.

Eye level 7 inch LED touchscreen display with graphical representation for easy operation with 0.1 $^{\circ}\text{C}$ graduation.

4-PIN Password protected configuration to prevent unauthorized access.

SAFETY SYSTEM



Strategically positioned PT 100 Temperature sensor probe for fast response.

Multiple failure alarms & power spike protection functions ensure safety of the system & stored sample.

Safe stop & time delay restart provides additional safety. Battery Backup for alarm functions and digital display of temperature & other parameters.

HUMANIZED DESIGN

Onboard diagnostics to identify malfunctions

Narrow size design - easy mobility.

Special file box on the front door - convenient for

Heavy duty Caster wheels with lock $\pm$ Level adjusting feet for easy moving and lockable.

Patented door with key lock & Assisted CAM lock

ALARM SYSTEM

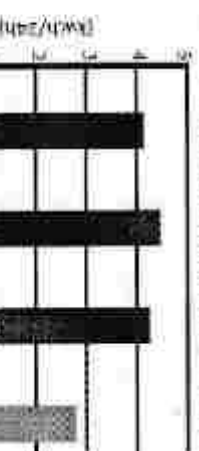
Audio-visual alarms for High/Low ten Refrigeration Circuit abnormal alarm System Failure and Low battery

FUNCTIONAL DATA

Power Consumption

Ambient temperature at 25 $^{\circ}\text{C}$, empty at -86 $^{\circ}\text{C}$, testing for 24 hours.

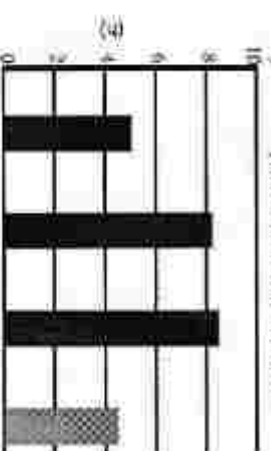
Power consumption per 100 litres



Cooling down time

Ambient temp at 25 $^{\circ}\text{C}$. Start the system the compressor cool down to -86 $^{\circ}\text{C}$.

pull down time to -86 $^{\circ}\text{C}$



OPTIONAL ACCESSORIES

