



भाकृअनुप-प्याज एवं लहसुन अनुसंधान निदेशालय  
राजगुरुनगर, पुणे-४१०५०५ महाराष्ट्र  
ICAR-DIRECTORATE OF ONION AND GARLIC RESEARCH  
Rajgurunagar, Pune – 410 505, Maharashtra  
Phone (02135) 222026, 222697, Fax (02135) 224056 Email:director@dogr.res.in



F. No.15- 86/SP/-Refrigerator /15-16/ 23

4 April 2015

To,  
M/s. CRYO SCIENTIFIC SYSTEMS (PVT) LIMITED  
No.2/628, RAPID NAGAR, KUNRATHUR HIGH ROAD,  
GERUGAMBAKKAM,  
CHENNAI – 602 101.

Sub: Purchase order for supply of FREEZER-CUM- REFRIGERATOR - reg.

Ref: Your quotation No. 085/2014-15 T Dated 18.02.2015..

Sir,

With reference to the above, the Director, DOGR, Rajgurunagar has approved your quotation for purchase of 'FREEZER-CUM- REFRIGERATOR' as per specifications given below:

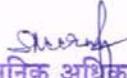

S. No.	SPECIFICATION	QTY.	RATE	TOTAL (In Rs.)
	As per Annexure- I			

**Terms & Conditions:**

1. Supply may please be arranged immediately and in any case it should be completed on or before **06th June 2015** at DOGR, Rajgurunagar otherwise this Directorate reserves right to penalty of 2% per week. If the supply is not completed within this date and no extension of date is applied for and granted, this Directorate reserves the right to make the purchase from any other source available without sending any information of cancellation of the order placed with you.
2. No other charges will be paid extra.
3. 10% Performance Security may please be deposited immediately after receipt of order in favour of 'ICAR UNIT' DOGR, Rajgurunagar and the same will be refunded after completion of supply and installation.
4. Payment will be made after completion of supply, installation and demonstration to our satisfaction.
5. Bill in duplicate should be addressed to the Director, Directorate of Onion & Garlic Research Center, Rajgurunagar, Pune – 410 505.
6. Training: free of charge to one personnel up to their satisfaction and confident during installation.
7. Warranty should be 12 months **from date of Installation and successful demonstration** against manufacturing defects.

...Continue to page No. 2—

8. All questions disputes or difference under, out of or in connection with the contract if concluded shall be subject to the exclusive jurisdiction of the Court within the Rajgurunagar jurisdiction.
9. Receipt of this order may please be acknowledged.

  
प्रशासनिक अधिकारी  
प्रशासनिक अधिकारी / Administration Officer  
प्याज एवं लहसुन अनुसंधान विदेशालय  
Directorate of Onion & Garlic Research  
राजगुरुनगर, पुणे. ४१० ५०६. (म.रा.)  
Rajgurunagar, Pune-410505. (M.S.)  


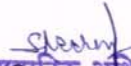
Copy to:

1. Dr. Manjunatha Gowda, Scientist, DOGR, Rajgurunagar
2. AFAO DOGR, Rajgurunagar.
3. Guard file.

No	SPECIFICATION	QTY	RATE	TOTAL (In Rs.)																																			
1.	<p><b>TWIN FREEZER(4°C &amp; -20°C)-DUAL FREEZE- VERTIFICAL TYPE WITH TWO NOS OF AUTOMATIC VOLTAGE STABILIZER</b>  <b>MODEL: TF- V- 175</b>  <b>INNER: SS-304</b>  <b>OUTER: POWDER COATED CRCA</b>  <b>OUTER SIZE: 550 (W) x 680(D) x 1880(H)mm</b></p> <table border="1"> <tr> <td><b>Freezer Compartment – Top (-20°C)</b></td> <td><b>Refrigeration Compartment-Bottom(4°C)</b></td> </tr> <tr> <td> <ul style="list-style-type: none"> <li>Volume: 75 LITERS</li> <li>Inner Size:400 x 500 x 400mm</li> <li>Solid main Door</li> <li>One Solid perforated SS304 Tray- Adjustable</li> <li>Two Compartments with sub doors.</li> </ul> </td> <td> <ul style="list-style-type: none"> <li>Volume: 100 LITERS</li> <li>Inner Size: 400 x 500 x 750 mm</li> <li>Solid main Door</li> <li>2 Nos of Solid perforated SS304 Tray- Adjustable</li> <li>Two Compartments with sub doors</li> </ul> </td> </tr> </table> <p><b>Exterior:</b> Outer Cabinet made of CRCA sheet finished with attractive two-scheme polyester powder coat.  <b>Interior:</b> Inner tank made of stainless steel AISI 304 grade.  <b>Insulation :</b> Non-CFC, high density, Polyurethane Foam insulation of 75mm thickness.  <b>Heater Line:</b> Hot line around the front of the cabinet to prevent moisture condensation  <b>Castors:</b> Equipment mounted on Heavy duty swivel castors with brakes  <b>Sub-doors</b> Two sub-doors for inner compartment      Two sub-doors for inner compartment  <b>Main Door</b> PUF insulated, main door with inner FRP lining compartment.      PUF insulated, main door with inner FRP lining and lock.  <b>Illumination</b> Not Applicable      Internal Illumination</p> <p><b>REFRIGERATION: (NON-CFC, NON-HCFC)</b></p> <table border="1"> <tr> <td><b>COMPRESSORS</b></td> <td>Heavy duty hermetically sealed compressor suitable for -20°C</td> <td>Heavy duty hermetically sealed compressor suitable for 4°C.</td> </tr> <tr> <td><b>COOLING SYSTEM</b></td> <td>Static Cooling system</td> <td>Forced Air Circulation aided by continuous rated fan motors</td> </tr> <tr> <td><b>REFRIGERANTS</b></td> <td colspan="2">Non-CFC, eco-friendly refrigerants for both stages of refrigeration.</td> </tr> <tr> <td><b>CONDENSER</b></td> <td colspan="2">Independent Air –Cooled condensation system, aided by continuous rated motor fans</td> </tr> <tr> <td><b>COOLING COILS</b></td> <td colspan="2">High purity (99.0%) copper cooling coils all around the inner cabinet.</td> </tr> </table> <p><b>CONTROL SYSTEM: (MICROPROCESSOR BASED)</b></p> <table border="1"> <tr> <td><b>CONTROLLER</b></td> <td>Independent Microprocessor based temperature control system for both the systems.</td> </tr> <tr> <td><b>DISPLAY</b></td> <td>Independent Digital LED display of set and process temp.</td> </tr> <tr> <td><b>ALARAMS</b></td> <td>Audio-visual alarms for High/Low temperature (deviation).</td> </tr> <tr> <td><b>PROBE</b></td> <td>Fast response, NTC sensor for accurate temperature measurement.</td> </tr> </table> <p><b>OTHER FEATURES:</b></p> <table border="1"> <tr> <td><b>SAFETY</b></td> <td>Refrigeration system with over-load protectors and slow blow fuses</td> </tr> <tr> <td><b>STABILIZER</b></td> <td>Automatic Voltage Stabilizer with time delay restart</td> </tr> <tr> <td><b>CALIBRATION</b></td> <td>Temperature calibration traceable to National standards</td> </tr> <tr> <td><b>WARRANTY:</b></td> <td>12 months warranty against manufacturing defects.</td> </tr> </table> <p style="text-align: right;"><b>TOTAL EX-WORK PRICE:</b> 1,78,000.00  <b>ADD: CST @14.5%</b> 25,810.00  <b>TOTAL</b> 2,03,810.00</p>	<b>Freezer Compartment – Top (-20°C)</b>	<b>Refrigeration Compartment-Bottom(4°C)</b>	<ul style="list-style-type: none"> <li>Volume: 75 LITERS</li> <li>Inner Size:400 x 500 x 400mm</li> <li>Solid main Door</li> <li>One Solid perforated SS304 Tray- Adjustable</li> <li>Two Compartments with sub doors.</li> </ul>	<ul style="list-style-type: none"> <li>Volume: 100 LITERS</li> <li>Inner Size: 400 x 500 x 750 mm</li> <li>Solid main Door</li> <li>2 Nos of Solid perforated SS304 Tray- Adjustable</li> <li>Two Compartments with sub doors</li> </ul>	<b>COMPRESSORS</b>	Heavy duty hermetically sealed compressor suitable for -20°C	Heavy duty hermetically sealed compressor suitable for 4°C.	<b>COOLING SYSTEM</b>	Static Cooling system	Forced Air Circulation aided by continuous rated fan motors	<b>REFRIGERANTS</b>	Non-CFC, eco-friendly refrigerants for both stages of refrigeration.		<b>CONDENSER</b>	Independent Air –Cooled condensation system, aided by continuous rated motor fans		<b>COOLING COILS</b>	High purity (99.0%) copper cooling coils all around the inner cabinet.		<b>CONTROLLER</b>	Independent Microprocessor based temperature control system for both the systems.	<b>DISPLAY</b>	Independent Digital LED display of set and process temp.	<b>ALARAMS</b>	Audio-visual alarms for High/Low temperature (deviation).	<b>PROBE</b>	Fast response, NTC sensor for accurate temperature measurement.	<b>SAFETY</b>	Refrigeration system with over-load protectors and slow blow fuses	<b>STABILIZER</b>	Automatic Voltage Stabilizer with time delay restart	<b>CALIBRATION</b>	Temperature calibration traceable to National standards	<b>WARRANTY:</b>	12 months warranty against manufacturing defects.	1 No.	1,78,000/-	1,78,000.00
<b>Freezer Compartment – Top (-20°C)</b>	<b>Refrigeration Compartment-Bottom(4°C)</b>																																						
<ul style="list-style-type: none"> <li>Volume: 75 LITERS</li> <li>Inner Size:400 x 500 x 400mm</li> <li>Solid main Door</li> <li>One Solid perforated SS304 Tray- Adjustable</li> <li>Two Compartments with sub doors.</li> </ul>	<ul style="list-style-type: none"> <li>Volume: 100 LITERS</li> <li>Inner Size: 400 x 500 x 750 mm</li> <li>Solid main Door</li> <li>2 Nos of Solid perforated SS304 Tray- Adjustable</li> <li>Two Compartments with sub doors</li> </ul>																																						
<b>COMPRESSORS</b>	Heavy duty hermetically sealed compressor suitable for -20°C	Heavy duty hermetically sealed compressor suitable for 4°C.																																					
<b>COOLING SYSTEM</b>	Static Cooling system	Forced Air Circulation aided by continuous rated fan motors																																					
<b>REFRIGERANTS</b>	Non-CFC, eco-friendly refrigerants for both stages of refrigeration.																																						
<b>CONDENSER</b>	Independent Air –Cooled condensation system, aided by continuous rated motor fans																																						
<b>COOLING COILS</b>	High purity (99.0%) copper cooling coils all around the inner cabinet.																																						
<b>CONTROLLER</b>	Independent Microprocessor based temperature control system for both the systems.																																						
<b>DISPLAY</b>	Independent Digital LED display of set and process temp.																																						
<b>ALARAMS</b>	Audio-visual alarms for High/Low temperature (deviation).																																						
<b>PROBE</b>	Fast response, NTC sensor for accurate temperature measurement.																																						
<b>SAFETY</b>	Refrigeration system with over-load protectors and slow blow fuses																																						
<b>STABILIZER</b>	Automatic Voltage Stabilizer with time delay restart																																						
<b>CALIBRATION</b>	Temperature calibration traceable to National standards																																						
<b>WARRANTY:</b>	12 months warranty against manufacturing defects.																																						

(Rupees Two lakh three thousand eight hundred ten only)



  
 प्रशासनिक अधिकारी / Administrative Officer  
 Administrative Officer  
 प्याज एवं लहसुन आसंघान निदेशालय