NIQ for the purchase of Ultra Low Deep Freezer (-80°C) with the following Technical Specification:

- Vertical upright deep freezer (-80°C or lower) with internal capacity 17 cu ft (489 L) or above and having microprocessor control system.
- The microprocessor controller must monitor in one degree C increments, with digital display.
- Minimum four Stainless Steel adjustable shelves with insulated inner door to help maintain cabinet temperature during opening.
- Digital /LED display of temperature & other functions.
- Running ambient temperature should be more than 32°C.
- Should have vacuum panel insulation system.
- Triple-point silicone gasket on latch/handle and flexible gasket on chests for proper seal.
- A vacuum relief port to allow quick and easy re-entry after door openings.
- Standard on board event & data login system.
- An audible/visual alarm for improperly closed door or lid with provision of remote alarm and monitoring system.
- CFC/HCFC free refrigerants system.
- Freezer with power energy saving and high performance operating system mode.
- Two independent (1 horsepower compressors) with provision of maintenance of temperature of - 65°C for indefinite time in case one compressor fails.
- Durable Stainless Steel interior with Inner doors.
- Good quality VIP insulation on all walls, central LCD display.
- Automatic Voltage Compensator for Longer Compressor Life.
- Two Fans to provide maximum cooling of the compressor housing.
- Should have heavy-duty dual wheel swivel locking casters.
- Temperature probe must be positioned to insure the alarm sounds before the stored product can be affected by a rise in temperature.
- Battery back-up for the alarm monitoring system.
- Both visual and audible alarms must alert operator of over and under temperature, power fail, door ajar, and low battery conditions.
- To be supplied with all essential accessories like voltage stabilizer, additional rack.
- Should include acoustical mufflers.
Terms and Conditions:
Technical and financial bids should be in separate sealed envelope and super scribed by NIQ number and date.
Sealed quotations should be addressed in the Name of Dr. Prashant Mishra and reach to Head, Department of Biochemical Engineering and Biotechnology, Indian Institute of Technology Delhi, Hauz Khas. New Delhi-110016 by March 5, 2013.
The prices should be quoted at FOB Propriety and agency certificate will be required wherever applicable.
Institute reserves the right to accept or reject any or all the quotation without showing any reasoning.
Minimum 5 year warranty on compressor as well as complete freezer system