



नेपालगंज उप-महानगरपालिका

नगर कार्यपालिकाको कार्यालय

स्वास्थ्य महाशाखा

नेपालगंज, बाँके
लुम्बिनी प्रदेश, नेपाल

Phone : 081-520151
081-520338,081 525323
Email :
nepalgunjmun@gmail.com
Website :
www.nepalgunjmun.gov.np

प.सं. : २०७८/८०
च.नं. :

ILR Refrigerator खरिदको लागि BOQ

क्र.सं.	सामग्रीको नाम	एकाई	परिमाण	प्रति एकाई मूल्य (भ्याट बाहेक)	कुल जम्मा मूल्य (भ्याट बाहेक)
1	ILR Refrigerator	Piece			

शिव प्रसाद रिजाल
प्रमुख प्रशासकीय अधिकृत

Family Welfare Division
Specification of Ice Lined Refrigerator (ILR)

S.N.	Specification	Bidders Remarks
	Manufacturers	
	Brand	
	Type/ Model	
	Country of origin	
1	Description of function	
1.1	Ice lined refrigerators are used to store temperature sensitive vaccines/medicines.	
2	Operational requirements	
2.1	Only one vaccine storage compartment	
2.2	To maintain the temperatures of +2 °C to 8°C on minimum 8 hours electricity per day	
3	System Configuration	
3.1	Single compartment with voltage stabilizer as specified in 6.3	
4	Technical Specification	
4.1	Net storage capacity, minimum 50 liters with shelves/basket in place	
4.2	Construction: <ul style="list-style-type: none"> • Corrosion resistance: internal and external cabinet, lid and frame protected against corrosion. Bidders to specify the materials used for construction of internal and external cabinet. • CFC free insulation • Door with lock and handle • Integrated digital temperatures display LCD/LED-01 (For displaying temperature inside the system and shall operate either from electrically or solar power). 	
4.3	Refrigerant: The refrigerator shall utilize CFC (Chlorofluorocarbon) free	
4.4	Hold over time: The refrigerator shall maintain +2°C to +8°C for minimum 48 hours during power cuts at the ambient temperature +43°C	
4.6	Compressor: <ul style="list-style-type: none"> • Sealed heavy duty type • Starts and operates on electricity supply from 220 to 260 volts. 	
4.7	Control Panels: The thermostat thermometer and other visual displays like on off switch. Power indicator must be positioned	
4.8	Temperature Record History: Data loggers records minimum 30 days' temperature reading.	
5	Accessories, spares and consumables:	
5.1	<ul style="list-style-type: none"> • Start Relay-1 • Electronic Control Card / Thermostat - 1 	

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	<ul style="list-style-type: none"> Capacitor - 1 Fuse - 1 	
6	Operating environment	
6.1	The product offered shall be designed to be stored and to operate normally under Nepal power supply, climate, temperature (+5°C to +45° C), low and high humidity conditions.	
6.2	Unit power supply 220-240V Ac, 50 Hz fitted with appropriate plug. The power cable must be minimum 3 meters long.	
6.3	Voltage stabilizer: Voltage stabilizer unit to fit the refrigerator shall be included. stabilizer to have the capacity of minimum 1KVA, normally operating input voltage of 110-270 V.	
7	Standard and safety requirements	
7.1	WHO PQS E003 Certified product ..	
8	User training	
8.1	Must be provided on site user training including how to use and maintain the equipment.	
9	Warranty	
9.1	Comprehensive warranty for 2 years after installation.	
10	Maintenance service during warranty period	
10.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required	
11	Documentation	
11.1	User manual in English	
11.2	Service (Technical /Maintenance) manual in English	

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4.1	Refrigerant The refrigerator shall utilize R136 (Hexafluoroethane)	
4.4	Hold over time The refrigerator shall maintain +2°C to +4°C for minimum 48 hours during power out at the ambient temperature +15°C.	
4.6	Compressor <ul style="list-style-type: none"> Should heavy duty type Starts and operates on automatic supply from 220 to 280 volts. 	
4.7	Control Panels The temperature thermometer and other visual displays shall be off white color indicator must be positioned	
4.8	Temperature Record History Data loggers record minimum 30 days temperature reading.	
5	Accessories, spares and consumables	
5.1	<ul style="list-style-type: none"> Start Relay-1 Electronic Control Card / Thermostat 	

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