

नेपाल सरकार  
कृषि तथा पशुपन्छी विकास मन्त्रालय  
प्रधानमन्त्री कृषि आधुनिकीकरण परियोजना  
परियोजना कार्यन्वयन एकाई, कास्की

## आर्थिक प्रस्ताव पेश गर्ने सम्बन्धि सूचना

प्रथम पटक प्रकाशित मिति-२०८१/०१/१८

प्रस्तुत विषयमा यस कार्यालयको आ.व. २०८०/८१ को स्वीकृत वार्षिक कार्यक्रम अनुसार तपसिलबमोजिम क्षमताका कोल्ड रुम अनुदानमा वितरणको लागि यस कार्यालय/कार्यालयको आधिकारिक वेबसाइटबाट प्राविधिक स्पेसिफिकेशनसहितको आर्थिक प्रस्ताव फारामहरू निशुल्क प्राप्त गरि यो सूचना प्रकाशन भएको मितिले ७ औं दिन कार्यालय समय भित्र उक्त सामग्रीहरू आपूर्ति गर्ने आधिकारिक उत्पादक/विक्रेता र सप्लायर्सहरूले यस कार्यालयमा सुचिकृत तथा आर्थिक प्रस्ताव पेश गर्नहुन यो सूचना प्रकाशित गरिएको छ । अन्तिम दिन सार्वजनिक बिदा परेमा सो कार्यहरू बिदाको लगत्तै पछिको कार्यालय खुलेको दिन सोही समयमा हुनेछ ।

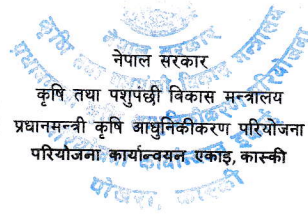
तपशिल:

१. कोल्ड रुम निर्माण सम्बन्धित सामग्रीहरू
२. प्रि-कुल च्याम्बर निर्माण सम्बन्धित सामग्रीहरू

नोट: ल्याब सर्टिफिकेशन हुने सामग्रीको सर्टिफिकेट सहित दररेट पेश गर्नु होला ।

थप जानकारीको लागि कार्यालय सम्पर्क नं ९८५६००७१००, ९८५६००७१०१, ९८५६००७१०४

११/३/२१  
राज्य १११८  
परिष्कृत कृषि विभाग



नेपाल सरकार  
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आ.व. २०८०/८१

### Installation of Cold Room

| S.N | Name of Equipments                                 | Required Specification  | Unit | Quantity | Proposed Specification /additional facilities by Suppliers | Rate (Include Vat for applicable items) | Rate in words | Remarks |
|-----|--|---|------|----------|--|---|---------------|---------|
|     | <b>Overall Size of Room</b>                        | a) 6.56x6.56x8 feet (Lx B x H) . (capacity-150-200 standard size crates or 3-4 MT) .  |      |          |  |   |               |         |
| 1   | <b>Insulation Work for Wall, Ceiling and Floor</b> | Supply and Installtion of Puff Panel of 75 mm thickness including 0.4mm±0.5 PPGI (Pre-Painted Galvanized Sheet) sheet on all sides including floor insulated by 40 ± 2 kg /m3 density PUF (Poly-Urathene Foam) Panel with Tongue & Groove joint with Camlock System   | Sqf  | 282      |  |   |               |         |
| 2   | <b>Doors</b>                                       | Supply and Installation of Thermally sealed flush type swing door with heavy duty hinges and handles with door closer for push type gasket, kick plate on outside of door and safety release knob placed at inner side for safety precautions with door opening side as per requirement, Door opening at least 750mm * 1800 mm, PVC transparent strip curtains of door size having thickness 2-4 mm   | Nos. | 1        |  |   |               |         |
| 3   | <b>Refrigeration system</b>                        | Supply, Installtion, Testing & Commissioning of Condensing unit and cooling unit<br>Condensing unit with all accessories and pipe with insulating material. Condensing unit include Scroll hermetic compressor/rotary compressor, air cooled condenser with condenser fan, oil separator, liquid receiver, integrated HP/LP/OLR and Drives, eco-friendly refrigerant R404A/134a/R407c (CFC Free), controls gauges, CSCR circuit for Starter and RUN, control Panel, anti-vibration pads, filter drier etc. Compressors Fan Motor shall be suitable for single phase AC supply (minimum 1400 rpm) and motor cable terminal box shall be suitable to connect Copper Cabling. Compressor coil should be of two -layers, hydrophilic blue fins. Compressor cooling capacity should be 24000 btu-h at 4.4°C evaporating and 48°C condensing temperature.<br>Evaporator unit include cooling coil, two evaporator fan (high speed fans), Thermostatic expansion valve, Thermostat, two Electrical Defrost heater, drain pipe, electrical terminal box with water shield. fan motor shall be 220/1phase/50 Hz, Air Flow Volume (CMH) - 2000-2500 | Nos. | 1        |  |   |               |         |
| 4   | <b>Humidifier</b>                                  | Supply, installation, testing and commissioning of energy efficient ultrasonic Humidifier with capacity of minimum 2 ltr/hr, auto shut down feature when tank is empty, water float valve to maintain the level with all control accessories for humidity control, should not occupy more space inside chamber  | Nos. | 1        |  |   |               |         |
| 5   | <b>Contol Pannel/IOT</b>                           | Supply of Refrigeration Control Panel microprocessor based temperature indicator & Automatic temperature controller, temperature setting up/down limit control, User parameter and Administration menu setting Automatic and manual control function, intelligent compressor protection// Installation of IOT enabled Control Units consisting of IOT-enabled controllers, Humidity and temperature sensors (± 1% rh tolerance) for digitalization of the system and remote access to the storage and remote control, mobile or web application for digitalization of system, full safe mode with data logger for data logging, real time alarm, alert mechanism if any fault through digitalization  | Nos. | 1        |  |   |               |         |

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| S.N | Name of Equipments                  | Required Specification  | Unit | Quantity | Proposed Specification /additional facilities by Suppliers | Rate (Include Vat for applicable items) | Rate in words | Remarks |
|-----|-------------------------------------|---|------|----------|--|---|---------------|---------|
| 6   | Mechanical Accessories and fittings | Self screws, silicon with gun, threaded nuts, rods of required size for strong fabrication of material with other required accessories  | Nos. | 1        |  |   |               |         |
| 7   | Electrical Accessories and fittings | 2.5 sq mm wires, 16 amp double pole MCB, cable ties, sub-meter, power socket 16 amp, gang switch box, wire holders, Vapour Proof Lights, servo type 5KVA Voltage stablizer  | Nos. | 1        |  |   |               |         |
| 8   | Lighting Arrester                   | Supply and installation of Lighting arrester with lightning rod copper conductor, Air termination set, 8 SWG bare copper wire to be connection upto earthing set.,  | Nos. | 1        |  |   |               |         |
| 9   | Earthing system                     | Supply and installation of Following size Earthing system including copper/ G.I earth plate(65mm x 65mm x 3.15), copper strip(25mm x 3mm) electrode, 29mm dia GI pipe of 1m length including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal and salt as required for complete earthing system with 1.5m depth (ISO or international standard). | Nos. | 1        |  |   |               |         |
| 10  | Plastic Crate                       | High quality plastic crate having size not less than 50cm length, 35cm width and 20cm height with minimum thickness 2mm and weight not less than 1.5kg  | Set  | 100      |  |   |               |         |

Tools:-A set of tools as required for general maintenance shall be supplied.

Warranty:-Manufacturer shall provide at least one year of warranty.

Training:- For its operation and General maintenance training shall be provided by suppliers

Certification :- Verified certificate regarding accessories must be provided by suppliers.

*[Handwritten Signature]*

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### Installation of Cold Room

| S.N | Name of Equipments                          | Required Specification   | Unit | Quantity | Proposed Specification /additional facilities by Suppliers | Rate (Include Vat for applicable items) | Rate in words | Remarks |
|-----|---|--|------|----------|--|---|---------------|---------|
|     | Overall Size of Room                        | a) 9.8x9.84x8 feet (Lx B x H), (capacity-300-350 standard size crates or 7-8 MT) ,   |      |          |  |   |               |         |
| 1   | Insulation Work for Wall, Ceiling and Floor | Supply and Installation of Puff Pannel of 75 mm thickness including 0.4mm±0.5 PPGI (Pre-Painted Galvanized Sheet) sheet on all sides including floor insulated by 40 ± 2 kg /m3 density PUF (Poly-Urathene Foam) Panel with Tongue & Groove joint with Camlock System  | Sqf  | 494      |  |   |               |         |
| 2   | Doors                                       | Supply and Installtion of Thermally sealed flush type swing door with heavy duty hinges and handles with door closer for push type gasket, kick plate on outside of door and safety release knob placed at inner side for safety precautions with door opening side as per requirement. Door opening at least 750mm * 1800 mm, PVC transparent strip curtains of door size having thickness 2-4 mm   | Nos. | 1        |  |   |               |         |
| 3   | Refrigeration system                        | Supply, Installation, Testing & Commissioning of Condensing unit and cooling unit<br>Condensing unit with all accesories and pipe with insulating material. Condensing unit include Scroll hermetic compressor/rotary compressor, air cooled condenser with condenser fan, oil separator, liquid receiver, integrated HP/LP/OLR and Drives, eco-friendly refrigerant R404A/134a/R407c (CFC Free), controls gauges, CSCR circuit for Starter and RUN, control Panel, anti-vibration pads, filter drier etc. Compressors Fan Motor shall be suitable for single phase AC supply (minimum 1400 rpm) and motor cable terminal box shall be suitable to connect Copper Cabling. Compressor coil should be of two -layers, hydrophilic blue fins. Compressor cooling capacity should be 24000 btu-h at 4.4°C evaporating and 48°C condensing temperature. Evaporator unit include cooling coil, two evaporator fan (high speed fans), Thermostatic expansion valve, Thermostat, two Electrical Defrost heater, drain pipe, electrical terminal box with water shield. fan motor shall be 220/1phase/50 Hz, Air Flow Volume (CMH) - 2000-2500 | Nos. | 1        |  |   |               |         |
| 4   | Humidifier                                  | Supply, installation, testing and commissioning of energy efficient ultrasonic Humidifier with capacity of minimum 2 ltr/hr, auto shut down feature when tank is empty, water float valve to maintain the level with all control accesories for humidity control, should not occupy more space inside chamber  | Nos. | 1        |  |   |               |         |
| 5   | Contol Panel/IOT                            | Supply of Refrigeration Control Panel microprocessor based temperature indicator & Automatic temperature controller, temperature setting up/down limit control, User parameter and Administration menu setting Automatic and manual control function, intelligent compressor protection// Installation of IOT enabled Control Units consisting of IOT-enabled controllers, Humidity and temperature sensors (± 1% rh tolerance) for digitalization of the system and remote access to the storage and remote control, mobile or web application for digitalization of system, full safe mode with data logger for data logging, real time alarm, alert mechanism if any fault through digitalization   | Nos. | 1        |  |   |               |         |
| 6   | Mechanical Accesories and fittings          | Self screws, silicon with gun, threaded nuts, rods of required size for strong fabrication of material with other required accesories  | Nos. | 1        |  |   |               |         |
| 7   | Electrical Accesories and fittings          | 2.5 sq mm wires, 16 amp double pole MCB, cable ties, sub-meter, power socket 16 amp, gang switch box, wire holders, Vapour Proof Lights, servo type SKVA Voltage stabilizer  | Nos. | 1        |  |   |               |         |

*[Handwritten Signature]*

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रिजिस्ट्रार कृषि विभाग



| S.N | Name of Equipments | Required Specification  | Unit | Quantity | Proposed Specification /additional facilities by Suppliers | Rate (Include Vat for applicable items) | Rate in words | Remarks |
|-----|--------------------|---|------|----------|--|---|---------------|---------|
| 8   | Lighting Arrester  | Supply and installation of Lighting arrester with lightning rod copper conductor, Air termination set, 8 SWG bare copper wire to be connection upto earthing set..  | Nos. | 1        |  |   |               |         |
| 9   | Earthing system    | Supply and installation of Following size Earthing system including copper/ G.I earth plate(65mm x 65mm x 3.15), copper strip(25mm x 3mm) electrode, 29mm dia GI pipe of 1m length including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal and salt as required for complete earthing system with 1.5m depth (ISO or international standard). | Nos. | 1        |  |   |               |         |
| 10  | Plastic Crate      | High quality plastic crate having size not less than 50cm length, 35cm width and 20cm height with minimum thickness 2mm and weight not less than 1.5kg  | Set  | 100      |  |   |               |         |

Tools:-A set of tools as required for general maintenance shall be supplied.

Warranty:-Manufacturer shall provide at least one year of warranty.

Training:- For its operation and General maintenance training shall be provided by suppliers

Certification :- Verified certificate regarding accessories must be provided by suppliers.

*[Handwritten Signature]*

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**उपनिवेश अधिकारी**  
**परिष्कारण विभाग**





नेपाल सरकार  
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आ.व. २०८०/८१

### Installation of Pre Cooling chamber in Cold Room

| S.N | Name of Equipments                          | Required Specification  | Unit | Quantity | Proposed Specification /additional facilities by Suppliers | Rate (Include Vat for applicable items) | Rate in words | Remarks |
|-----|---|---|------|----------|--|---|---------------|---------|
|     | Overall Size of Room                        | a) 6.56x9.84x8 feet (Lx B x H), (capacity-220-280 standard size crates or 4-5 MT) ,   |      |          |  |   |               |         |
| 1   | Insulation Work for Wall, Ceiling and Floor | Supply and Installation of Puff Panel of 75 mm thickness including 0.4mm±0.5 PPGI (Pre-Painted Galvanized Sheet) sheet on all sides including floor insulated by 40 ± 2 kg /m3 density PUF (Poly-Urathene Foam) Panel with Tongue & Groove joint with Camlock System  | Sqf  | 311      |  |   |               |         |
| 2   | Doors                                       | Supply and Installation of Thermally sealed flush type swing door with heavy duty hinges and handles with door closer for push type gasket, kick plate on outside of door and safety release knob placed at inner side for safety precautions with door opening side as per requirement, Door opening at least 750mm * 1800 mm, PVC transparent strip curtains of door size having thickness 2-4 mm   | Nos. | 1        |  |   |               |         |
| 3   | Refrigeration system                        | Supply, Installation, Testing & Commissioning of Condensing unit and cooling unit<br>Condensing unit with all accessories and pipe with insulating material. Condensing unit include Scroll hermetic compressor/rotary compressor, air cooled condenser with condenser fan, oil separator, liquid receiver, integrated HP/LP/OLR and Drives, eco-friendly refrigerant R404A/134a/R407c (CFC Free), controls gauges, CSCR circuit for Starter and RUN, control Panel, anti-vibration pads, filter drier etc. Compressors Fan Motor shall be suitable for single phase AC supply (minimum 1400 rpm) and motor cable terminal box shall be suitable to connect Copper Cabling. Compressor coil should be of two -layers, hydrophilic blue fins. Compressor cooling capacity should be 24000 btu-h at 4.4°C evaporating and 48°C condensing temperature. Evaporator unit include cooling coil, two evaporator fan (high speed fans), Thermostatic expansion valve, Thermostat, two Electrical Defrost heater, drain pipe, electrical terminal box with water shield, fan motor shall be 220/1phase/50 Hz, Air Flow Volume (CMH) - 2000-2500 | Nos. | 1        |  |   |               |         |
| 4   | Mechanical Accessories and fittings         | Self screws, silicon with gun, threaded nuts, rods of required size for strong fabrication of material with other required accessories  | Nos. | 1        |  |   |               |         |
| 5   | Electrical Accessories and fittings         | 2.5 sq mm wires, 16 amp double pole MCB, cable ties, sub-meter, power socket 16 amp, gang switch box, wire holders, Vapour Proof Lights, servo type 5KVA Voltage stablizer  | Nos. | 1        |  |   |               |         |

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