



सुन्दरहरैँचा नगरपालिका

SUNDARHARAINCHA MUNICIPALITY

नगर कार्यपालिकाको कार्यालय

Office of Municipal Executive

विराटचौक, मोरङ
Biratchowk, Morang

कोशी प्रदेश, नेपाल

प.स. ०८०/०८१ (खरिद ईकाइ)

च.न. ४९३९



मिति: २०८०।१०।२४

विषय:- एग्रोमेकानिकल सामाग्रिहरूको दररेट पेश गर्ने सम्बन्धमा ।

श्री सम्बन्धित सप्लायर्स/आपूर्तिकर्ताहरू.

उपरोक्त विषयमा यस कार्यालयमा आ.व. २०८०/०८१ मा स्वीकृत बार्षिक कार्यक्रम अन्तर्गत कोल्ड स्टोरेज निर्माणार्थ एग्रोमेकानिकल सामाग्रिहरूको दररेट जिल्ला दररेट र नगर दररेटमा उपलब्ध नभएकाले लागत अनुमान तयार गर्ने प्रयोजनका निम्ति संगलन स्पेसिफिकेसन बमोजिम तयार भएको BOQ अनुसार तिन(३) दिन भित्र आफ्नो फर्मको दर्ता प्रमाणपत्र, पान दर्ता प्रमाणपत्र, आ.व. २०७९/०८० को करचुक्ताहरूको प्रतिलिपि सहित न्यूनतम दररेट पेश गर्नहुन यो सूचना प्रकाशन गरिएको छ ।

नोट:- BOQ र स्पेसिफिकेशन यसै सूचना साथ संलग्न गरिएको छ ।

अम्बिका प्रसाद शर्मा
प्रमुख प्रशासकीय अधिकृत

“सुन्दरहरैँचाको पहिचान : समृद्धि र सुशासन”

PhoneNo.:- 021-545050, 545822,546822, Fax: - 021-545822, Fire Brigade: -021-545666, 021-546666

Website: www.sundarharaichamun.gov.np, Email: sundarharaichamun@gmail.com



Project Name: Supply and Installation of Cold Room
 Location:- Sundarharaicha Municipality Ward 7, Morang

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 अम्बिका प्रसाद चौलागाई
 प्रमुख प्रशासकीय अधिकृत

BOQ of Agromechanical Parts of Cold Chamber

S.N.	Item Name	Qty	Unit	Rate Rs.	Amount Rs.
1	Supply and Installation of Cold Room PUF (Polyurethane foam), density 40±2 kg/m ² . 75mm thickness for Fruits and Vegetable	318	Sqm		
2	Supply and installation of PUF Slab 75mm density 40±2 kg/m ² . with bothside tarfilt and bitumin	192	Sqm		
3	Supply and Installation of Cold Room PUF (Polyurethane foam), density 40±2 kg/m ² . 120mm thickness for Dairy and Meat Product Storage	124	Sqm		
4	Cold Room swing door with Auto luck handle and things and accessories 75±5mm Thickness	5	set		
5	Cold Room swing door with Auto luck handle and things and accessories 120mm Thickness	1	set		
6	Refrigeration System 12500 kcal/hr @ 33°C ~ 35°C Cooling Capacity Unit as mention in specification	11	set		
7	Humidifier Set 6L mention in specification	3	set		
8	Air Fresher Set	3	set		
9	Cold room Atomization System	4	Set		
10	Installation and Transportation of cold room Puff panel, refrigeration system and other accessories	1	Job		
11	Supply and Fixing of electric wire 4mm thickness (90mtr per Roll) as per instruction of site engineer	20	Roll		
12	Supply and Fixing of electric wire 2.5mm thickness (90mtr per Roll) as per instruction of site engineer	20	Roll		
13	Supply and Fixing of electric wire 1.5mm thickness (90mtr per Roll) as per instruction of site engineer	10	Roll		
14	Main Panel Board: Supply and Fixing of control panel 3 phase fully automatic star delta (100kw) including 15 m wire for transmission from TOD metre to main panel board ,suitable Ms casing box, MCCB, Volt and Ampre meter, magnatic contractor, VPG .Busbar,suitable wire etc suitable for 100KVA Transformer line as per instruction of site engineer	1	Set		



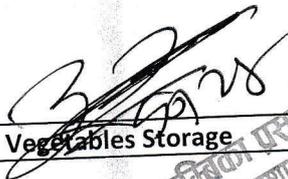
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मुख्य प्रशासकीय अधिकृत
जिला प्रसाद चौलागाई

S.N.	Item Name	Qty	Unit	Rate Rs.	Amount Rs.
15	Distribution Board: Supply and Fixing of distribution board including MCCB, MCB, Contractor etc. as per instruction of site engineer	2	Set		
16	Supply and installation of electrical lighting 7w including bulkhead	15	set		
17	Supply and fixing of PVC box 3x3 with 4 gang switch and socket as per instruction of site engineer	10	set		
18	Supply and fixing of PVC box 3x3 with 2 gang switch and socket as per instruction of site engineer	5	Set		
	Sub Total Rs.				
	13% VAT				
	Grand Total Rs.				

Specifications Cold Chamber Fruits and Vegetables Storage

1. Cold Chamber	
No of Chamber	6mx6mx3m -3 set for fruits and vegetable storage with saperate pre cooling are having 12mx4mx3m
Application	To store fruits and vegetables
Height Limitation	3m
Room Temperature	(+2 degree C to +8 degree C) for fruits
Panel construction	Prefabricated sandwitch PUF panels with panel to panel camlock joints.
Panel thickness	Not less than 75 mm for vegetable storage. PUF (Poly-urethane foam), density 40+2 kg/m ³ .
Panel surface materials	Both side PPGI (Pre-painted galvanized iron) sheet. Thickness of PPGI sheet: more than 0.45 mm.
Floor insulation	not less than 75mm. PUF (Poly-urethane foam) panels with density 40+2kg/m ³ .
Door accessories	Thermally sealed flush type swing floor with heavy duty hinges and handles with closer for push type gasket which is easy to operate and has a long life.
Door Size	1x2m 75mm PUF panels with density 40+2kg/m ³ .
Kick plate	Kick plate is available on both side of the door.
Safety release knob	Safety release knob is placed at the inner side of the foor for safety precautions.
2. Complete Refrigeration System for 1 set	
Comppressor Type	Hermatic
Brand	Copeland/Equivalent
Condenser	
Fan Qty	2
Air Volume (m3/h)	2x3200
Power(W)	2x60
Transfer Area	50m ²
Cooling Capacity	12500 kcal/hr @ 33°C ~ 35°C ambient temperature
Refrigerant	R404 A
Power supply	440 Volt, 50Hz, 3 phase.
Installation	
Discharge Pipe	1/2"
Suction Pipe	3/4"
Outside Dimension	
Length:mm	980mm±50
Width:mm	410mm±50
Height:mm	1330mm±50
Fixed Dimension	
Length:mm	625mm±50
Width:mm	380mm±50
Evaporator	
Aluminium Fin Space	6mm
Fin Transfer	40m ²
Fan Qty	2x400mm
Air Volume(m3/h)	2x3500
Fan Power	2x190W
Defrost Heater Voltage	220V
Defrost Heater Power	3.63kw
Fan Voltage	380V/3/50hz
Outside Dimensions(mm)	1560x530x580±100


 बुद्धिनाथ तिमिसिना
 कृषि इंजिनियर
 "367A category"


 अतिरिक्त पुराह चौलागाई
 प्रमुख प्रशासकीय अधिकारी
 नगरपालिका
 काठमाडौं
 २०७३



अखिलका प्रसाद चौलागाई
प्रमुख प्रशासकीय अधिकृत

3. Controlling and Automization System	
Power Supply	220V AC 50Hz
Temperature Measuring and Controlling Range	(-50° ~ 50° C)
Accuracy	± 1 °C
Display resolution	0.1°C
Relay outpur contact capacity	3A/220VAC
Sensor Type	NTC sensor (10KΩ/25°C, B value 3435K)
Relative Humidity	20%~85% (No Condensate)
Automatic Data Logger with backup system	
Data logging even when power off	
Windows software that can allowed that can current temperature to be displayed in the screen	
Table and Graph can be viewed on screen or printed on demand	
Current Temperature for all the locationca be viewed on screen any time	
Build in alaram audible, individual high low limit ad alarm can be set for each senser. The Senser can be configure as digital senser i.e. Open/Shut, On/off. For example, to indicte whether door open or closed at the time temperature are recorded.	
4. Humidifier	
Capacity	6 Liters per hour
Customization of Humidity	The machine automatically cuts-off according to the pre-set RH valve
Auto water level control	It is equipped with a water float valve to maintain the water level in the tank.
Auto shut-off	Auto shutdown when tank water runs out to prevent damage
Energy efficient	Energy efficient ultrasonic technology consumes less power & makes less noise
5. CO2 Adjuster System	
Accouding with the room requirement to proper mainten CO2 and O2 level	

31/11/20

बुद्धिनाथ तिमिसिना
कृषि इन्जिनियर

Council- "362 A category"

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बुकिनाथ तौलागाई
प्रशासनिक अधिकृत



Specifications Cold Chamber Dairy and Meat Storage	
1. Cold Chamber	
No of Chamber	6mx6mx3m-1 Set meat and Dairy Product Storage
Application	To store meat and dairy product
Height Limitation	3m
Room Temperature	(-25 degree C) for Meat and dairy product storage
Panel construction	Prefabricated sandwich PUF panels with panel to panel
Panel thickness	Not less than 120 mm for vegetable storage and 120mm dairy and meat storage. PUF (Poly-urethane foam), density 40+2 kg/m ³ .
Panel surface materials	Outer side PPGI (Pre-painted galvanized iron) sheet and inner side Stainless Steel 304 sheet. Thickness of PPGI sheet and Stainless Steel Sheet: more than 0.45 mm.
Floor insulation	not less than 75mm. PUF (Poly-urethane foam) panels with density 40+2kg/m ³ .
Door accessories	Thermally sealed flush type swing door with heavy duty hinges and handles with closer for push type gasket which is easy to operate and has a long life.
Door Size	1x2m 120mm PUF Panel
Kick plate	Kick plate is available on both side of the door.
Safety release knob	Safety release knob is placed at the inner side of the door for
2. Complete Refrigeration System for 1 set	
Compressor Type	Hermatic
Brand	Copeland/Equivalent
Condenser	
Fan Qty	2
Air Volume (m ³ /h)	2x3200
Power(W)	2x60
Transfer Area	50m ²
Cooling Capacity	12500 kcal/hr @ 33°C ~ 35°C ambient temperature
Refrigerant	R404 A
Power supply	440 Volt, 50Hz, 3 phase.
Installation	
Discharge Pipe	1/2"
Suction Pipe	3/4"
Outside Dimension	
Length:mm	980mm±50
Width:mm	410mm±50
Height:mm	1330mm±50

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बुकिनाथ तौलागाई
कृषि इन्जीनियर
Council - "361 A category"



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मुख्य स्वास्थ्य कार्य अधिकृत

Fixed Dimension	
Length:mm	625mm±50
Width:mm	380mm±50
Evaporator	
Aluminium Fin Space	6mm
Fin Transfer	40m ²
Fan Qty	2x400mm
Air Volume(m3/h)	2x3500
Fan Power	2x190W
Defrost Heater Voltage	220V
Defrost Heater Power	3.63kw
Fan Voltage	380V/3/50hz
Outside Dimension(mm)	1560x530x580(±100)
3. Controlling and Automization System	
Power Supply	220V AC 50Hz
Temperature Measuring and Controlling Range	(-50° ~ 50° C)
Accuracy	± 1 °C
Display resolution	0.1°C
Relay outpur contact capacity	3A/220VAC
Sensor Type	NTC sensor (10KΩ/25°C, B value 3435K)
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Automatic Data Logger with backup system	
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बुद्धिनाथ तिमिसिना
कुनै इन्जिनियर

Council - 362 A category