



बागमती प्रदेश सरकार

स्वास्थ्य मन्त्रालय

आयुर्वेद औषधि उत्पादन केन्द्र



चितवन, नेपाल

दररेट उपलब्ध गराउने सम्बन्धि सूचना।

वेबसाइटमा प्रकाशित मिति: २०८१/१०/०३

यस केन्द्रलाई आवश्यक पर्ने देहाय बमोजिमको केन्द्रमा प्रयोग हुने मेसिनरी, बोलपत्रको माध्यमबाट खरिद गर्नुपर्ने भएकाले आवश्यक कागजातहरू समेत संलग्न गरि आफुले सप्लाई गर्ने मेसिनहरूको विवरण खुलाई यस कार्यालयमा सोझै वा aauk.bagmati@gmail.com ईमेल ठेगानामा तपशिलमा उल्लेखित बमोजिमका प्रति इकाई दररेट सहित यो सूचना प्रकाशित गरिएको मितिले ७ (सात) दिनभित्र दररेट पेश गर्नुहुन सम्बन्धित ईच्छुक सप्लायर्सहरूमा जानकारीको लागि यो सूचना प्रकाशित गरिइको छ।

तपशिल:

S. N.	Name of Equipment	Quantity	Price in fig(NPR)	Price in words (NPR)	Remarks
1	Air Handling Unit	1			
2	RO Plant	1			

संलग्न गर्नुपर्ने आवश्यक कागजातहरू

१. मुल्य अभिवृद्धी कर दर्ताको प्रमाणपत्र
२. फर्म/कम्पनी दर्ताको प्रमाणपत्र (नविकरण समेत)
३. करचुक्ता प्रमाणपत्र
४. कम्पनीको नेपालस्थित आधिकारिकता खुल्ने कागजात वा प्रमाणपत्र
५. दररेट पेश गरेको निवेदन

डा. सुरेश महर्जन

प्रमुख आयुर्वेद अधिकृत

प्रमुख आयुर्वेद अधिकृत

Air Handling Unit

Bill of Quantities for AHU					
S.N.	Descriptions	Qty	Unit	Rate	Amount
1	<p>VRF Outdoor Units Nominal cooling Capacity:45.0 KW (16HP) Nominal Heating Capacity: 50.0 KW Refrigerant: R410A power Input: 11.34 KW Operating Sound Pressure Level: 62dB(A) Electrical Power source: 3 ph, 380-415V, 50/60Hz Liquid Line pipe diameter: 12.7mm Gas Line pipe diameter: 28.6 mm</p>	1	Nos		
2	<p>VRF Outdoor Units Nominal cooling Capacity:22.4 KW (8 HP) Nominal Heating Capacity: 24.0 KW Refrigerant: R410A power Input: 6.12 KW Operating Sound Pressure Level: 56dB(A) Electrical Power source: 3 ph, 380-415V, 50/60Hz Liquid Line pipe diameter: 9.5mm Gas Line pipe diameter: 19.1 mm</p>	1	Nos		
3	<p>AIR HANDLING UNIT: Recirculation type system with Double skin air handling unit constructed out of 24 G GI sheets with thermal break profile & PUF insulation of 43mm thickness and comprising of following sections: Filter section at supply side - Pre filter section with 10 Micron filters and fine filter section with 5-micron filter at exhaust side & HEPA filter section with 0.3 Micron filter at Supply Side Wherever Specified, DX type cooling coil section with coils. Blower section with DIDW backward curved centrifugal blower, drive set Pulley, Common base frame with Vibration isolation pads for Motor Blower Assembly. Suitable inspection doors for filter, coil & blower sections are provided in the unit. Flanged connection at the outlet of AHU provided for integrating to the main Duct line. Supply Air 5000 CFM, SP: 125 MM. with mixing box. as per drawing and Specifications and instructions.</p>	1	Set		

S.N.	Descriptions	Qty	Unit	Rate	Amount
4	<p>AIR HANDLING UNIT: Recirculation type system with Double skin air handling unit constructed out of 24 G GI sheets with thermal break profile & PUF insulation of 43mm thickness and comprising of following sections: Filter section at supply side - Pre filter section with 10 Micron filters and fine filter section with 5-micron filter at exhaust side & HEPA filter section with 0.3 Micron filter at Supply Side Wherever Specified, DX type cooling coil section with coils. Blower section with DIDW backward curved centrifugal blower, drive set Pulley, Common base frame with Vibration isolation pads for Motor Blower Assembly. Suitable inspection doors for filter, coil & blower sections are provided in the unit. Flanged connection at the outlet of AHU provided for integrating to the main Duct line. Supply Air 2500 CFM, SP: 125 MM. with mixing box. as per drawing and Specifications and instructions.</p>	1	Set		
5	Supply, Delivery & Installation of AHU Kit with VRF Remote Controller	2	Nos		
6	Supply and Installation of seamless copper pipes with closed cell high density nitrile rubber insulation of 13 mm to 19 mm . complete with Hangers, screws and required accessories as per site conditions.	2	Lot		
7	Supply and Installation of Cpvc Drain pipes with insulation and required accessories.	2	Lot		
8	Installation charge for AHU	2	Nos		
9	Installation charge for Outdoor unit	2	Nos		
10	Supply, delivery and Installation of Control Electrical Shield cables of 0.75 Sq mm all complete between indoor, remote controllers and to the outdoor unit.	1	Lot		
11	Lifting and placement of VRF Outdoor unit on the foundation.	2	Lot		
12	Flushing the entire system with dry nitrogen.	2	Lot		
13	Bracket stand for outdoor unit	2	Lot		
14	Testing & Commissioning of the entire system with required Refrigerant R410A top up in the outdoor unit.	2	Lot		
15	Ducting: Ducting made out of GI sheet with proper gasketing, supports, rods etc and fabricated as per standards. All flange joints shall be sealed with RTV Sealent to make it air tight. Angle iron frames shall be provided wherever required as per the duct sizes. (As per site measurement)				

i	22 Gauge	4500	Sqft		
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S.N.	Descriptions	Qty	Unit	Rate	Amount
16	DUCT INSULATION Duct Insulation of XLPE Insulation for supply and return ducting, self-adhesive type (As per site measurement) 9 mm thickness	4500	Sqft		
17	Perorated Grill & HEPA housing along with HEPA filters of efficiency 99.978% down to 0.3 micron. Media for filtration shall be used as micro fiber glass which is of				
i	Size: 610x610x105mm.	14	Nos		
ii	Size: 450x450x105mm.	4	Nos		
18	Supply, Delivery installation of Return Air Grills with Prefilter				
i	Size 450x450 mm	18	Nos		
19	Supply, Delivery & Installation of Manual Damper	11	Sqm		
20	Angle frame Hanging & Foundation arrangement for Ahu & Outdoor	1	Lot		

RO Plant

Bill of Quantities for RO Plant						
S.N.	Description	Qty	Unit	Rate	Amount	Remarks
1	Raw Water Tank 2000 ltr PVC Hilltake or equivalent	1	No.			
2	Raw Water Pump: 0.75 kW single phase, MOC: SS 304, Leo Make, Model EMHm2-6, flow 1m ³ /hr @49.5 meter head, 25 mm in out, 1 working 1 Standby	2	No.			
3	Pressure Vessel 400 x dia x 1800 mm Height Stainless Steel 304 grade, Top Opening	3	No.			
4	Multiport Valve, 25 MM Top Mount Filter, Automatic Operation(Backwash, Rinse, Filter)	2	No.			
5	Multiport Valve, 25 MM Top Mount Softener, Automatic Operation (Regeneration, Rinse, Filter)	1	No.			
6	Brine Tank for Softener 100 liter, PE with level sensor, Automatic Regeneration	1	No.			
7	Katalox Light, German Make, Mesh Size: 14-30 mm, Bulk Density: 1060 kg/m ³ for removal of iron, manganese, suspended solids	4	cu. Ft			
8	Catalytic Carbon 1000 IV Coconut based of Mesh Size: 14-30 mm, Surface Area: 2000-2500 m ² /g, pH: 9.5 for removal of Color, Odor and Chloramines	75	kg			
9	Ion Exchange Resin: INDION 225 Na of minimum capacity: 2 eq/L (min.), Particle size range: 0.3 to 1.2 mm for water softening	100	ltr			
10	High pressure RO Pump: 1.5 kW Vertical Orientation, MOC: SS 304, Leo Make, Model: WTS(m)2-15, flow 1m ³ /hr @134 meter head, 25 mm in out	1	No.			

11	Micron Cartridge Filter: Stainless Steel 304 grade 20 x 2.5 inch 5 element 20 inches Length, 2.5 inches Diameter Polypropylene Cartridge of 5 Micron rating, 5 No. of cartridges	1	No.			
12	RO Membrane housing: Housing of MOC Stainless Steel 304 grade size 80 40	1	No			
13	SS 304 Interconnecting Pipe and fittings for entire prefilter to Reverse Osmosis	1	No			
14	Polyamide Thin-Film Composite, Model: Dupont FilmTec™ BW30 -8040 Permeate flow rate: 60 GPM	1	No.			
15	Skid Mount System: Stainless skid Closed compact System should be made with Stainless Steel 304 grade material to hold RO pump, Micron filter, Reverse Osmosis Filtration System, UV Set and backside door for repair and maintenance purpose with locking system.	1	No.			
16	Solenoid Valve: Nominal size 25 mm, MOC: Brass	2	No.			
17	Electronic Control Panel Microprocessor based PLC panel for automatic operation of multiport valve, RO system with necessary wire and cables	1	No.			
18	Accessories for RO, low pressure high pressure switch, flow meter, pressure gauge, float switches	1	No.			
19	Filter Water Tank 1000 ltr, MOC: Stainless Steel 304 grade	2	No.			
20	EDI Water Pump: 0.25 kW single phase, MOC: SS 304, Leo Make, Model EMHm2-2, flow 1m ³ /hr @ 16 meter head, 25 mm in out	1	No.			

21	ElectroDeIonization Plant: Flow rate of 1 m3/hr, Working voltage (DC): 30-80 volts, Running Current: 2-5 Amp, Dimensions: 400 mm (L) × 320 mm (B) × 610 mm (H) with Recovery Rate of 85 - 95 %.	1	No.			
22	EDI Pump: 0.375 kW single phase, MOC: SS 304, Leo Make, Model EMHm2-4, flow 1m3/hr @24.5 meter head, 25 mm in-out	1	No.			
23	Supply/Recirculation Pump: 0.375 kW, Single Phase,MOC: SS 304, Leo Make, Model: EMH(m)2-4 Flow 1 m3/hr @ 16 meter head.	2	Nos.			
24	Micron Cartridge Filter: 20 inches Length, 2.5 inches Diameter Polypropylene Cartridge of 0.2 Micron rating, Housing: Stainless Steel 304 Grade	1	No.			
25	UV Disinfection System: 2400 LPH UV system with High Purity Fused Quartz Lamp with Inlet/Outlet Size: 1" BSP (m), Model: Alfa ECS40L Housing MOC: SS304	2	No.			
26	Supply delivery and installation of Stainless Steel 304 grade pipe of size 25 mm with required elbow, socket, joint, ball valve as per requirement all complete.	150	m			
27	PVC Pipe and fittings of size 25 mm from raw water tank to RO	1	job			
28	Installation and Commissioning Charges	1	job			
29	Transportation of entire system up to site	1	job			