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IMPIANTI LIQUEFAZION E PRODUZIONE GAS TECNICI

30 years of Excellence

ING.L&A BOSCHI, ITALY

(Certified ISO 9001:2000 Company and CE)
In Technical Collaboration since 1985

Universal Industrial Plants Mfg. Co. (P) Ltd

Address : B-524, RIICO Ind. Area, Bhiwadi 301019, India
Tel No: +91-11-41021294; +91-9810626301
E-mail:info@universalboschi.com ; Web: www.universalboschi.com

CONTRACT SUPPLY FOR SUPPLY, INSTALLATION & COMMISSIONING OF OXYGEN PLANT MODEL UBP MED.100

CONTRACT NO UBP-MED.100/17/12/2021 dated 20th December 2021

SELLER:

UNIVERSAL INDUSTRIAL PLANTS MFG. CO. (P) LTD
B-524, RIICO Ind. Area,
P. O box 301019, Bhiwadi , India

BUYER : BUGANDO MEDICAL CENTRE
P. O box 1370 - Mwanza , Tanzania

DIRECTOR GENERAL
BUGANDO MEDICAL CENTRE
P. O. Box 1370 MWANZA

(BUYER)
SIGNED & STAMPED
Dated 20/12/2021
Bugando Medical Centre

UNIVERSAL INDUSTRIAL PLANTS MFG. CO. (P) LTD. NEW DELHI

JAVED AKHTAR
(SENIOR COMMERCIAL MANAGER)
(SELLER)

BANK DETAILS (PLEASE PAY US DOLLAR)

COMPANY BANK DETAILS (BENEFICIARY BANK DETAILS)

Beneficiary Company Name: UNIVERSAL INDUSTRIAL PLANTS MFG. CO. (P) LTD
Beneficiary Bank Name: BANK OF BARODA, INDIA
Swift Code: Swift ID BARBINBBOND
ACCOUNT NUMBER: 21000200001261

INTERMEDIARY BANK (ROUTING BANK)

BANK OF BARODA NEW YORK
SWIFT CODE: BARBUS33
ACCOUNT NUMBER: 93010200000070

BOSCHI ITALY BRAND OXYGEN PLANT UBP-MED SERIES ,MODEL UBP-MED.100 WITH LEAKPROOF CRYOGENIC CE GRADE STAINLESS STEEL COLUMN AND ROTARY AIR COMPRESSOR

Sl. No.	Description	Make/Brand	Model	Quantity	Price (I US Dolla
1	**AIR COMPRESSOR** (primary) rotary air compressor of World Class Atlas Copco/Kaishan Discharge pressure 7.5 bar Ready to start Packaged Unit.	**ATLAS COPCO /KAHISHAN USA**	**UBP-MED.100**	1	
2	**EXPANDER CRYOGENIC TYPE cryogenic cooling machine used to cool the incoming flow of air using an expansion process.** It consists of the following - 1. Expansion body 2. cylinder head 3. Inlet filter 4. timing control mechanism 5. drive system 6. inlet valve 7.Outlet valve 8.bearing and sealed gland packing.	**UNIVERSAL BOSCHI**	**UBP-MED.100**	1 Set	
3	**LIQUID OXYGEN PUMP** Oil free stainless steel Liquid Oxygen Pump . This liquid pump automatically regulates the capacity as per the level of the liquid oxygen in the condenser of the cold box. The oxygen is being pumped in liquid form and thus eliminated unnecessary equipment such as gasholders and Oxygen compressor. This pump has special design with SS jacket Argon welded with special jacket for insulation to avoid cold loss during pumping. This pump has special	**UNIVERSAL BOSCHI**	**UBP-MED.100**	1	

	seal to prevent any oil carry over during operation. The oxygen purity is high and is bone-dry because this has been provided with special types of seals designed specially for this purpose complete with electric motor v belts, fly wheel, pulley and guard.				
4	**CRYOGENIC EXPANDER BOOSTER-** This is provided in the process to quick start system to increase the adiabatic cooling efficiency for LOX/LIN production by boosting/recycling the thermodynamics of the cryogenic expander. (complete with motor/starter)	**UNIVERSAL BOSCHI**	**UBP-MED.100**	1	
5	**PROCESS SKID (WITH PRE COOLING UNIT & PURIFICATION UNIT)** The skid is complete with section, accessories, frame and ready for installation/use, (Comprising Moisture separator, oil absorber, 2 molecular sieve battery, nitrogen cooler, after cooler with tank, Chilling Unit (Hitachi Compressor), defrost heater, gas/water lines, dust filter, Freon unit), consisting of: 2.1. **After cooler** w/ air coil complete with inlet outlet connection for air cooling 2.2. **High efficiency Nitrogen/cascade cooler** made in carbon steel with rubber lining and air coils made of ASTM 106 Grade B seamless double stage to provide extra cooling of the processed air without using power by utilization of the evaporated cooling of dry waste nitrogen available at the outlet of the cold box. The lines are provided and neatly mounted on the skid for easy connection with tank. 2.3. **High efficiency Moisture separator** (2 nos) for removal of moisture in the processed air and neatly mounted on the process skid with inlet and outlet connection and pipeline w/ flanges, stand and drain outlet for moisture connected to a central manifold mounted on the process skid with common outlet at drain. 2.4. **An additional chilling unit** (ozone friendly gas) is processed skid complete with air coils fitted inside of circular tank with cover and base mounted on the skid. This unit has got a Freon evaporation coils fitted inside the tank with inlet and outlet connections connected to a Freon unit of packaged type design with sealed compressors of Hitachi/Mitsubishi, Japan brand, Danfoss Controls Expansion valve and digital panel.	**UNIVERSAL BOSCHI**	**UBP-MED.100**	1	

	2.5. **High efficiency oil absorber** with inlet and outlet filter filled with alumina high grade quality of the same quantity to remove all the oil traces in the process air. 2.6. **Molecular sieve battery/dryer**(Heavy duty for continuous running) consisting of 2 cylindrical vessels with stand and base fitted on the skid. It consists of two vessels A and B working alternatively and filled with high quality molecular sieve (Zeochem, Switzerland Brand). The vessel A and B are interconnected with special valve for air and nitrogen having special seating made of special materials satellite for long life. Control panel if fitted complete with temperature and pressure gauges. For regeneration of the battery regeneration heater made in stainless steel is fitted inside the reactivation heater assembly box with electrical terminals isolated with special theramic/thermics material. The complete piping and connection are pre-fabricated at our factory and mounted on the process skid for very easy quick and easy installation at the site. 2.7. **Defrost heater** of special design is made for high safety of the air separation column. 2.8. **Gas/Air/water line** as per standard layout on skid/platform prefabricated and ready for installation. 2.9. **Water pump is mounted on the process skid for closed circuit water cooling toprevent losses and increase cooling.** 2.10. **Inlet & outlet water lines already mounted on the process skid ready for installation.** 2.11. **Drain manifold** complete with ball valves for draining moisture. UNIQUE FEATURE : All the above equipments are neatly mounted on skid/platform complete with interconnecting piping and ready for installation.				
6	**ELECTRICAL PANEL-** Electrical Panel for supply of electricity to individual motors. With overall suitable size. It has a bank of on/off switches MCB/MCCB of high quality ***Siemens/L&T German*** Make and neatly labeled with separate connections for each	**UNIVERSAL BOSCHI**	**UBP-MED.100**	1	

	individual equipments of the oxygen plant. This enables the Operator to control all the Motors from one point. Heavy duty service factory as per NEMA standards with service factor of 1.25 to take voltage fluctuation .				
7	**RECTIFICATION COLUMN (COLDBOX)** Stainless steel .Complete packaged unit with instrument panel. ➢ ***Outer Steel Casing***: Manufactured in carbon steel with cold insulators and frame for mounting exchangers and separation column, control etc. ➢ ***Main Heat Exchanger:*** In air circuit in alloy -multi pass with high heat transfer co-efficient. Argon welded stainless steel casing and tubes expanded for leak proof operation. ➢ ***Liquefier:*** In air circuit in copper alloy coiled type-multi pass with high heat transfer co-efficient. Argon welded stainless steel casing and tubes expanded for leak proof. ➢ ***Bottom Column:*** Made out of Argon welded stainless steel with flanged ends for easy maintenance/repair with distillation trays of high efficiency with working pressure of 5 kg/cm^2. The trays are dies fitted into the outer casing, which is Argon, welded. ➢ ***Top Column:*** Made out of Argon welded stainless steel with flanged ends for easy maintenance/repair with distillation trays of high efficiency with working pressure of 0.4 kg/cm^2. Large interspace between trays for entertainment. The trays are dies fitted into the outer casing, which is Argon, welded. ➢ ***Condensor:*** Made out of cryogenic grade stainless steel straight tubes with Nitrogen pockets. There is a special auto liquid oxygen drain of Boschi Italy design which allows only the required quantity of liquid oxygen to go to the liquid	**UNIVERSAL BOSCHI**	**UBP-MED.100**	1	

	pump at the same time **maintaining the liquid level so that purity of oxygen will not drop.** ➢ ***Sub-Cooler:*** For liquid Nitrogen and liquid Oxygen made of special alloy. ➢ ***Liquid Oxygen & Nitrogen Filter:*** In stainless steel/copper alloy containing absorption material and fine mesh filter complete with connection for regeneration. ➢ ***Instrumentation:*** Complete instrumentation for control of liquid levels/pressure and analysis valves. The digital electronic temperature indicator with scanner, accurate PT-100 sensor. The expansion valves are manual control with long stem type with pointer and index. For liquid level measurement accurate DP Guage Manometer, Panel Mounted is provided. Pressure gauges are German-Feibig. ➢ ***Cold Pipe Lines:*** All Coppers/SS alloy in interconnecting equipments inside cold box. ➢ ***Insulation Materials:*** The perlite is of sufficient quantity to insulate the cold box completely. Defrost heater of special design is made for high safety of the air separation column. This defrost heater has a patented design which will never allow the hot defrost air to rise above the melting temperature of the cold box. Hence is very safe to use.				
8	**MOTOR FOR EXPANDER & LIQUID OXYGEN PUMP**	**ABB/GEC/ MARATHON**	**UBP-MED.100**	1 set	
9	**STARTER FOR MOTOR OF EXPANDER & LIQUID OXYGEN PUMP**	**TELEMECHANIQUE/ SIEMENS**	**UBP-MED.100**	1 set	
10	**DIGITAL OXYGEN ONLINE PURITY ANALYZER**	**UNIVERSAL BOSCHI**	**UBP-MED.100**	1	
11	**FILLING MANIFOLD FOR OXYGEN**	**UNIVERSAL BOSCHI**	**UBP-MED.100**	1	

TERMS & CONDITIONS:-

1. **Price Quoted:** The above prices are inclusive of Export Sea Worthy packing and are **CIF Dar E Salam , Tanzania .**
2. **Supervision charges of our engineers for installation, commission and Training of your operator INCLUDED FOR 40 days** and after that it will be USD 150/Day. The boarding and Lodging of our Engineer should be arranged. Buyer will have to arrange all the technicians & operators. Visa has to be provided by the buyer.
3. **Delivery: 12** weeks after getting the confirmed order and 40% advance by TT as per standard terms and conditions of supply.
4. Mode of payment of the plant:

- 40% advance by TT/wire transfer for allotment of order confirmation booking number.
- Balance 60% by TT prior to dispatch when goods are ready.

Note: Kindly note that during Covid our company in not accepting any payments by LC during Covid-19 as these plants are 100% Taylor made as per country & site of installation. Hence all payments from buyer have to be paid by TT only.

5. **Partial Shipment** not allowed. Plant will be shipped in 1 time after buyer makes the balance 60% by TT.
6. **Validity of Price:** Extended till 24th December 2021 only for above Delivery times & discounted prices.
7. **Discount Policy** -The special discount is applicable only on the condition that the buyer makes timely payment for advance & shipments against delivery as per above.
8. **Standard terms & conditions of Warranty & supply**: Standard Warranty limited and for 18 months from the date of invoicing/dispatch or 12 months from the date of commissioning whichever is earlier as per standard terms of Warranty & supply conditions. Further our standard terms of supply are applicable ,subject to Delhi jurisdiction due to any reason whatsoever. Universal shall pass over/endorse all the warranty certificate of all the bought out items like compressors, motors etc. from our OEM's in anywhere in Asia or the world etc. without consequential claim & copy shall also accompany the goods/operation manual. Due to our outsourcing policy to ensure good quality and workmanship the warranty of the OEM vendors of specialized equipments shall be applicable against any manufacturing defects as per the standard terms & conditions of warranty no claim or consequential damages given/implied other then repair/replacement due to any reason whatsoever. Our company shall give a quality certificate / warranty.
9. **Force Majeure:** Clause standard is applicable including any act of God strike, war fire accident, delays by vendor or any reason beyond the control of the seller (As per the standard terms and condition of supply) shall be applicable.
10. **NMR:** 2 sets of instruction manual and plant / Wiring Diagram.

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DIRECTOR GENERAL
BUGANDO MEDICAL CENTRE
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(BUYER)

UNIVERSAL INDUSTRIAL PLANTS MFG. CO. PVT. LTD.
NEW DELHI

JAVED
(SENIOR EXPORT MANAGER)
(SELLER)

UNIVERSAL

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12	**COMMISSIONING SPARES** AS PER LIST	**UNIVERSAL BOSCHI**	**UBP-MED.100**	1 Set	
	Installation Materials included				
1	**COOLING TOWER** Induced Draft – Rotary sprinkler type with Aluminum casting Fan, FRP body USA with Suitable Electric motor form maintaining the Circulating water temperature between the Hot well and cold well for optimum performance of the plant.	UNIVERAL - BOSCHI	UBP-MED.100	1	
2	**WATER SOFTENER**	UNIVERAL - BOSCHI	UBP-MED.100	1	
3	**WATER PUMP**	UNIVERAL - BOSCHI	UBP-MED.100	1	
4	**Oxygen purity laboratory apparatus**	UNIVERAL - BOSCHI	UBP-MED.100	1	
5	**CTC** (Carbon Tetra Chloride) 1 drum for oxygen degreasing .	UNIVERAL - BOSCHI	UBP-MED.100	1 DRUM	
6	**Welding electrodes** required for connecting pipes	UNIVERAL - BOSCHI	UBP-MED.100	2 BOX	
7	**Insulation** inside cold box consisting of cryogenic grade expanded perlite	UNIVERAL - BOSCHI	UBP-MED.100	1 SET	
8	**Special stainless steel electrodes**	UNIVERAL - BOSCHI	UBP-MED.100	2 BOX	
9	**Elbows/ bends** extra for erection & commissioning for air, nitrogen and oxygen lines. 1 set consisting of 6 pcs	UNIVERAL - BOSCHI	UBP-MED.100	1 SET	
10	**Oxygen Filling pipes** in stainless steel from liquid oxygen pump to coldbox to filling manifold as per standard layout.	UNIVERAL - BOSCHI	UBP-MED.100	1 SET	
11	**Insulation Rolls of glass wool for purification Unit**	UNIVERAL - BOSCHI	UBP-MED.100	1 SET	

TOTAL PRICE -- BOSCHI ITALY BRAND MODEL UBP-Med.100 OXYGEN PLANT (US Dollar Three Hundred and Twenty Five Thousand Only	USD 325,00
Less Maximum Dealer Discount 27%	USD 87,750
NET PRICE for MODEL UBP-Med 100 FOB New Delhi (US Dollar Two Hundred Thirty Seven Thousand Two Hundred Fifty Only)	USD **237,250**
GAS OXYGEN BUFFER TANK – 5000L WITH PRESSURE REGULATOR WORKING PRESSURE-5 BAR TO 6.5 BAR DESIGN PRESSURE-7.5 BAR HYDRO TEST PRESSURE-11.25 BAR	USD 9,500
ADDITIONAL COST FOR FREIGHT & INSURANCE TO DAR E SALAM , TANZANIA (3X40 FT CONTAINERS)	USD 27,000 estd.
ADDITIONAL COST FOR ENGINEER CHARGES INSTALLATION & COMMISSIONING FOR 30 DAYS	USD 6,000
ADDITIONAL COST FOR ENGINEER CHARGES TRAINING FOR 10 DAYS	USD 2,000
TOTAL PRICE for MODEL UBP-Med 100 CIF Dar E Salam , Tanzania (US Dollar Two Hundred Eighty One Thousand Seven Hundred Fifty Only)	USD 281,750

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ING.L&A BOSCHI, ITALY

(Certified ISO 9001:2000 Company and CE)
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Tel No: +91-11-41021294; +91-9871872626
E-mail: info@universalboschi.com ; Web: www.universalboschi.com

PERFORMANCE LETTER

Date: 20th December 2021

Attention : Bugando Medical Centre
Mwanza , Tanzania

Our company (seller) **Universal Industrial Plants Mfg. Co. (P) LTD. in Technical collaboration with ING.L&ABOSCHI of Italy**, has signed contract with the (buyer) Bugando Medical Centre wide PI/Contract number UBP-MED.100/17/12/2021 dated 20th December 2021 for Oxygen plant Model UBP-Med.100

Our company here by undertakes to manufacture the Oxygen plant Model UBP-MED 100 after receiving the 40% ADVANCE by TT which will be utilized in the manufacturing of the oxygen plant and make the plant ready for delivery and make shipment to the buyer/consignee on the following terms and conditions

TERMS & CONDITIONS:-

1. **Price Quoted:** The above prices are inclusive of Export Sea Worthy packing and are **CIF Dar E Salam , Tanzania .**
2. **Supervision charges of our engineers for installation, commission and training of your operator INCLUDED FOR 40 days** and after that it will be USD 100/day. The boarding and Lodging of our Engineer should be arranged. Buyer will have to arrange all the technicians & operators. Visa has to be provided by the buyer.
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Thanks & Best Regards.

UNIVERSAL INDUSTRIAL PLANTS MFG. CO. PVT. LTD. NEW DELHI

Javed Akhtar
(COMMERCIAL MANAGER)
(SELLER)

NOTE
The condition of the agreement is as per standard terms and conditions of Universal Industrial Plants MFG Co. Pvt Ltd. and as per Delhi Jurisdiction only .