वी.पी.कोइराला स्वास्थ्य विज्ञान प्रतिष्ठान धरानको
कोटेशन माग गरिएको सूचना ।
(सूचना प्रकाशित मिति:२०८३।०६।०१)

यस प्रतिष्ठानको विभिन्न वार्डहरूको लागि आवश्यक Hospital Equuipment & Holloware (Portable Suction Machine - 47 nos, Nebulizer Machine - 59 nos, Bedside Locker - 205 nos, Bedside Screen - 30 nos, Instrument Trolley - 53 nos) खरिद गर्नुपर्ने भएकोले अनुमानित लागत प्रयोजनको लागि व्यवसाय (फर्म) दर्ता प्रमाणपत्र, मु.अ.कर दर्ता प्रमाणपत्र, आ.व. २०८१/०८२ को कर चुक्ताको प्रमाणपत्रको प्रतिहरू संलग्न गरी यो सुचना प्रकाशित मितिले ७ (सात) दिन भित्र कोटेशन पेश गर्नुहुन सुचित गरिन्छ । माग गरिएको कोटेशन तोकिएको म्याद भित्र प्रतिष्ठानको दर्ता, चलानी फाँटमा दर्ता गर्नुहुन वा quotation.procurement@bpkihs.eduमा email मार्फत पेश गर्नुपर्नेछ । उल्लेखित सामानहरूको स्पेशिफिकेसन यसै साथ संलग्न छ ।

Technical Specification of Electrically Operated High Vacuum High Flow Suction Machine

S/N	Purchaser's Specifications	Bidder's proposed specification (Yes/No)	Reference page No	Remarks
	Electrically Operated High Vacuum, High Flow Suction Machine , Heavy-Duty Twin Jar Surgical Suction machine, Trolley Mounted, Oil Free - Complete Sets.			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	Description of Function			
1.1	To aspirate blood, body fluid, irrigation fluids, secretions and particulate matter during surgery or emergency treatments.Suitable for adult and paediatric use.			
2	**Operational Requirements**			
2.1	An electric double jar suction pump for surgical use.			
3	**System Configuration**			
3.1	Heavy duty suction machine on wheels with two bottles and accessories.			
4	**Technical Specifications**			
4.1	The housing/casing shall be constructed from heavy duty SS304 stainless steel or heavy duty epoxy powder coated carbon steel/mild steel corrosion resistant construction,rigid frame,ergonomic push & pick handle,four heavy-duty swivel castors & wheels, two atleast with brakes and with foot opearated switch.			
4.2	The enclosure protection shall be IPX2 or better. The casing shall be smooth, rounded, and non-porous free from sharp edges and shall tolerate routine hospital cleaning/disinfection.			
4.3	Should come with adjustable vacuum regulator, one button on/off switch with indicators,vacuum gauge 0-760 mmHg of size ≥3" to display vacuum pressure, thermal overload or pump fault indicator, foot switch and emergency stop.			
4.4	Maximum vacuum rate shall be ≥ 680 mm Hg, approximately -90kPa below atmospheric pressure. Adjustable range from 0 to ≥ 680 mmHg.			
4.5	Free-air flow rate shall be ≥ 50 l/min , preferably 60l/min			
4.6	The pump shall be a heavy-duty, continuous-duty rated, oil-free twin-head diaphragm or piston type vacuum pump, driven by an electric motor of adequate capacity to achieve the specified vacuum and free-air flow performance.The pump shall preferably have independently operating pump heads with thermal overload and over-current protection.			
4.7	The pump shall not require oil filling, oil replacement or lubrication by the user and shall be mounted on vibration damping supports.			
4.8	Maintenance free or low maintenance and suitable for heavy duty continuous operation. Continuous-duty operation of minimm 8hrs without thermal overload or performance deterioration.			
4.9	The pump shall come fitted with twin unbreakable, transparent, unbreakable or shatter-resistant,autoclaveable polycarbonate suction bottles of minimum 2 x ≥ 2 litres each.Should have visible volume scale and secure,leak-resistant lid and correctly inlet and outlet connections.			
4.10	The suction bottles pump support system shall securely retain each bottle during transport & operation and come with an automatic float shut-off/overflow protection along with hydrophobic/liquid resistant bacterial filter and trap arrangement to prevent fluid carry-over to the pump.			
4.11	Pump Protection:Thermal-overload, over-current & automatic restart protection			

5	**Accessories, spares and consumables : 1 complete sets each**			
5.1	• Electrical cable ≥3mtrs. • One fuse set • Hydrophobic /Liquid Resistant Bacterial filter (5pcs.) • Transparent, unbreakable, shatter proof, autoclave able polycarbonate suction bottle2x ≥2L each complete set • Complete connection tubing set • Foot switch with cables should be provided			
6	**Operating Environment**			
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Must operate on 220-240V AC , 50Hz.			
6.3	Noise level: ≤55 dBA @ 1mtr.and maximum 60dBA			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO10079-1:2022, ISO 13485:2003/AC:2007 for Medical Devices,IEC 60601-1, IEC 60601-1-2 AND CE Certification			
8	**User Training**			
8.1	End User , if required			
9	**Warranty/Guarantee**			
9.1	Comprehensive Warranty/Guarantee of 2 years on complete unit including motor & pump			
10	**Maintenance Service During Warranty/Guarantee Period**			
10	During warranty/guarantee period supplier must ensure preventive as well as corrective/breakdown maintenance whenever required.			
11	**Installation, Inspections and Commissioning**			
11.1	Must supply preassembled unit, ready to use with complete accessories and demonstrate user of its functioning,if required			
11.2	Supplier must get its installation & commisisong report signed by the user and concerned technical.			
12	**Documentation**			
12.1	User (Operating) and Service (Technical/Maintenance) manuals to be supplied in English.			
12.2	Certificate of testing and inspection.			

Technical Specification of a High Quality Nebulizer Machine

S.N.	Purchaser's Specifications		Bidder's Offer (Yes/No)	Reference Page No.	Remark's
	Nebulizer Machine				
	Manufacturer				
	Brand				
	Type / Model				
	Country of Origin				
1	**Description of Function**				
1.1	Designed to generate warmed aerosolized medication/fluids (finely dispersed airbone droplets in a liquid phase) intended to be inhaled by a patient with a respiratory disorder.				
2	**Operational Requirements**				
2.1	High qulity nebulizer machine capable of continuous operation for both adult and paediatric patient. Piston driven compressor nebulizer (oil free for maintenance free operation) supplied with all the necessary accessories, carry bag, power cord etc				
3	**System Configuration**				
3.1	Nebulizer Machine Complete Unit with Accessories				
4	**Technical Specifications**				
4.1	Piston driven compressor nebulizer (oil free for maintenance free operation)				
4.2	Compressor pressure 30-40 psi operating range				
4.3	Nebulization rate : ≥0.3 ml/min				
4.4	Air delivery rate : ≥8 l/min				
4.4	Should produce aerosol practicel of size : 2-5μm				
4.5	Medicine cup capacity of minimum 5-6 ml				
4.6	Appropriate medication Quantities : 2-6 ml				
4.7	Should be compact, light weight , low noise <60 dBA				
4.8	Power Input : 220-240VAC , 50 Hz. Fited with power plug compatible with the existing power socket				
5	**Accessories, spares and consumables**				
5.1	Adult , Paediatric mask, Mouthpiece , Air Tubing, Spare Filter, Medicine Cup, Carry Bag				
6	**Operating Environment**				
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Climate, Temperature, Humidity, etc.				
7	**Standards and Safety Requirements**				
7.1	Must submit ISO 13485:2003/AC:2007 **AND**				
7.2	CE or USFDA, UL or BIS approved product certificate.				
8	**User Training**				
8.1	If demanded by the user				
9	**Warranty**				
9.1	Comprehensive warranty for minimum 2 year.				
10	**Maintenance Service During Warranty Period**				
10.1	Standard warranty conditions are applicable.				
11	**Installation and Commissioning**				
11.1	Must supply preassembled unit, ready to use				
12	**Documentation**				
12.1	User manual shall be provided in English				

Technical Specification of Bed Side Locker

S.N.	Purchaser's Specifications		Bidder's Offer Yes/No	Reference Page No.	Remark's
	Bed Side Locker				
	Manufacturer				
	Brand				
	Type / Model				
	Country of Origin				
1	**Description of Function**				
1.1	A bedside locker simplifies the work of the caregiver and it enhances the comfort and autonomy of the patient in terms of accessibility, convenience and storage capacity.				
2	**Operational Requirements**				
2.1	All metal construction (machine pressed CRCA steel sheets) with heavy duty anti-corrosive and antirust treated epoxy powder coated finish (other finishes are NOT acceptable). Legs Mild Steel tubular construction epoxy powder coated treated.				
3	**System Configuration**				
3.1	Bedside cabinet/locker, complete unit.				
4	**Technical Specifications**				
4.1	Overall approximate size 820mm H x 400mm W x 400mm L				
4.2	Body Consisting of Two Sides and Back made from one piece, made up of 16G MS CRCA sheet.				
4.3	Feet to be capped with heavy duty plastic/rubber shoes resistant to chemicals/mild acids				
4.4	Fitted with superimposed stainless steel top of SS 304. Top to have raised edge or retaining railon four sides to prevent items slipping off, Finish must be smooth.				
4.5	With stainless steel towel rail.				
4.6	Lockable drawer with metal handle/ recess to serve as handle immediately beneath the top, minimum height of drawer 18cm.				
4.7	Below the drawer space is a closed on all three sides and open on fourth side having height of min. 20cm for easy access				
4.8	Below the open space one cabinet for storage with metal handle/knob or recess to serve as handle with cam lock.				
5	**Accessories, spares and consumables**				
5.1	Not applicable.				
6	**Operating Environment**				
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Climate, Temperature, Humidity, etc.				
7	**Standards and Safety Requirements**				
7.1	Must submit ISO 9001:2015 or ISO 13485:2016 **AND** CE approved product certificate.				
8	**User Training**				
8.1	Not applicable.				
9	**Warranty/ Gurantee**				
9.1	Comprehensive warranty/gurantee for minimum 2 years.				
10	**Maintenance Service During Warranty Period**				
10.1	As and when required				
11	**Installation and Commissioning**				
11.1	Must supply preassembled unit, ready to use.				
12	**Documents to be Submitted - Mandatory**				
12.1	Brochure with Complete Technical Details and Quality Certificate and Certificate of type material, grade and its gauze from the principal must be submitted.				

Technical Specification of 4-Pannel Bedside Screen

S.N.	Purchaser's Specification Bedside Screen - Complete Sets.	Bidder's proposed specification (Yes/No)	Reference page No.	Remarks
	Manufacturer:			
	Model No:			
	Country of Origin:			
	Made In:			
	Brand:			
	Type/Model			
1.	**Technical Specifications**			
1.1	Tubular Frame made up of Stainless Steel should be Seamless Conforming to SS 304 Grade of 18G or better (certificate from the principal to be submitted)			
1.2	4 Panels/Sections mounted on high quality 50mm Dia. Non-Rusting Swivelling castor with wheels			
1.3	Dimension : Approx. 190mm L x 50mm W x 180mm H			
1.4	Fold Flat for Storage			
1.5	Fitted/Supplied with Removable and Washable Panels			
1.6	Panel's material : Flame retardant washing material, antibacterial, resistant to corrosion,water,detergent soap,70% ethyl alcohol solution wth or without nitrite and hypochlorite solution			
1.7	Stainless Steel finished with matt polish			
2	**Standards and safety Requirements**			
2.1	Must Submit ISO 9001:2015, ISO 13485:2016 AND CE approved product certificate			
3	**Warranty/Gurantee**			
3.1	Comprehensive Warranty/Gurantee for Minimum 2 years			
4	**Maintenance Service During Warranty period**			
4.1	As and when required			
5	**Installation and Commissioning**			
5.1	Must supply preassembled unit , ready to use			
6.	**Documents to be Submitted- Mandatory**			
6.1	Brochure with Complete Technical Details and Quality Certificate and Certificate of type material, grade and its gauze from the principal must be submitted.			

Technical Specification of a SS Instrument Trolley

S.N.	Purchaser's Specifications	
	Trolley, Instrument	
	Manufacturer	
	Brand	
	Type / Model	
	Country of Origin	
1	**Description of Function**	
1.1	Heavy-duty,sturdy,stable,two shelf stainless steel instrument trolley for transportation, preparation and laying out of surgical/medical instruments and accessories in operation theatre, wards, emergency and other clinical areas.	
2	**Operational Requirements**	
2.1	Mobile, robust, stable and constructed of high quality SS 304 stainless steel or better instrument trolley on swivel castors suitable for frequent hospital use and easy cleaning/disinfection.	
3	**System Configuration**	
3.1	Instrument trolley with two shelves, railings, SS bowl, four swivels castors with wheels.	
4	**Technical Specification**	
4.1	It shall be constructed fully with SS 304 grade stainless steel for frame, shelves, rails, handle, bowl and its support.corrosion resistance, rust resisteance and suitable for hospital environment	
4.2	Rigid, Robust, Wobble-Free TIG Weilded construction with no bolts and rivets, suitable for continuous hospital use. No deformation/sagging at rated load.	
4.3	Overall size: 950 L x550 W x 1000 H mm ±5% including castors and wheels.	
4.4	Working height approximately 850-900mm, suitable for ergonomic handling of instruments from floor.	
4.5	It shall be have two SS 304 grade shelves of sheet min.1.2mm thick, pressed-formed with a double safety folds on four sides and fully rounded smooth corners with no sharp edges, burs or weild spat etc. The vertical distance between shelves approx. 300-500mm, suitable for hospital instruments.	
4.6	Main Frame must be heavy duty SS304 square tubular frame, minimum 25 x 25mm x1.5mm or SS304 round tubular frame of 25mm-32mmØx1.5mm thick or better, adequately reinforced.	
4.7	Surface finish must be satin/matt finish, smooth, non-porous, corrosion resistant suitable for hospital cleaning and disinfection.	
4.8	Raised SS304 solid support rails of 12-16mm Ø x1.2mm thick rod on three sides of shelves, height 75-100mm above shelf for safe transfer.	
4.9	One pc.removable SS304 bowl of approx.250-300mm Ø x 100-150mm depth size mounted on a strong weilded SS304 bracket/ring with anti-tip provision.	
4.10	Ergonomic full-width SS304 push handle,min.25mmØx1.5mm thick, securely weilded to frame	
4.11	Shall be mobile on 4 x 125mm diameter (approx.) robust 360 deg. Heavy duty medical grade swivel castors with non-marking, corrosion resistant, quiet running polyurethane/TPE with at least 2 diagonal castors having brakes.	
4.12	Total load capacity of 150 - 200 kg uniformly distributed for shelves.	
5	**Accessories, spares and consumables**	
5.1	Accessories: SS bowl - 1no.	
6	**Operating Environment**	
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Climate, Temperature, Humidity, etc.	
7	**Standards and Safety Requirements**	
7.1	Must submit ISO 9001:2015/ ISO 13485:2016 AND CE approved product certificate	
8	**Warranty**	
8.1	Comprehensive warranty for min.2 year.	
9	**Maintenance Service During Warranty Period**	
9.1	Need Based	
10	**Installationand Commissioning**	
10.1	Must supply new unused hospital-grade, fully assembled and suitable for frequent movement and routine ospital cleaning/disinfection.	
11	**Documentation**	
11.1	User's manual shall be provided in Englsh.	