



महाराष्ट्र शासन

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कामा व आब्लेस रुग्णालय, महानगर पालिका मुंबई - ४०० ००९

CAMA & ALBLESS HOSPITALS, MAHAPALIKA MARG, MUMBAI-400001

Quotaion Notice

No.CAH/PUR//Quotaion/Equipment/ ०३३४ / 2021

Date 12 / 10 / 2021

Sub : Submission of Quotation for the Supply of Instrument / Equipments to the Covid Ward, Cama & Albless Hospital, Mumbai.

Dear Sir,

The undersigned invited sealed quotations for the items mentioned blow/on/reverse or as per enclosed statement for the use of the Cama & Albless Hospital, Mumbai on the following Terms & Conditons.

- 1) The Price quoted should be free delivery to Hospital premises for local dealers and F.O.R. Mumbai for outsiders.
- 2) The Price quoted by the inclusive of all taxes, duties if payable like customs, excise, CST, S.T., GST & Inclusive transportation, instllaton, commissioning. The break-up of the taxes should also be shown separately where necessary. The sales tax & registraton number should be quoted in your letter. Exemption of taxes, if on A.F. Forms etc. be separately stated.
- 3) The serial number of the items should not be changed while quoting rates. You may drop the item if not interested.
- 4) Rates should be quoted strictly for the item specified in the list and for standard quality of goods. In case of alternate offer, the detailed specifications, name of manufacturer or make etc. must invariably be stated. Specifications other than specified in the schedule may be laible for rejtction on even though lowes.
- 5) The quotaton submitted will be valid for a period of six (6) montsh only from the date of acceptance.
- 6) The delivery of goods sholuld be invariably be made within 6 week for indigenous items and 12 week for imported items from the date of confirmed order.

PENALTY ON LATE DELIVERY : In the event of lage delivery of goods, the purchase will recocover from contractor by way of penalty, a sum of equal to half percent of price of goods. (The case of an order not exceeding Rs.2.00 lak in value subject to max.10% and in case of an order of Rs.2.00 Lakh and above subject ot max.5%) delivered late per week calculated from the next day after teh agreed delivery period is over.

- 7) The equipment received after due date will not be accepted. The quotation should be submitted in sealed cover. Unsealed quotation which is not properly sealed will not be accepted. The last or receiving date of the quotation is 20/10/2021 upto 5.00 p.m.

- 8) Supply of stores should be made in one installment unless otherwise ordered place meal supply will not be accepted. Condition of advance payment through Bank, part payment etc. will not be accepted.
- 9) The price quoted is inclusive of all taxes, duties if payable like Customs/Excise/CST/ST/GST the break up of the taxes should also be shown separately where necessary. The sales Tax, GST and registratin number should be quoted in your letter. Exemption of taxes on 'AF/ octroi exemption form etc be separately stated.
- 10) Quotation if asked with samples if not accompanies with sample will be liable fro rejection even the y are lowest. Samples should be sent with a labels attached quoting our ref. no. of enquiry and item no etc.
- 11) The successful tendered will have to pay security deposit of an amount equivalent to 3% of the cost of the equipment in the name of Superientendent, Cama & Albless Hospital, Mumbai for period of two years.
- 12) The bidder will have to agree to enter into an Annual Maintenance Contract (AMC)@ 1% per year of the Order value of the machinery / equipment (including taxes). Where required, bidder will have to agree for Comprehensive Maintenance Contract (CMC) inclusive of all spares @ 5% of the Order value (including taxes) of the equipment per year. The period of such AMC / CMC will be of 8 years after completion of warranty period. In case of non-compliance of AMC/CMC the supplier will be liable to pay a penalty. Such penalty shall be recovered from the amount of bank guarantee submitted. Payment for AMC /CMC on yearly basis will be made by the user's institution, at the end of year after satisfactory performance report from the end user.
- 13) Comprehensive Warranty (Including supply of spares) All inclusive warranty period shall be of 2 years from the date of commissioning of ll equipment supplied as certified by the consignee. The successful bidder must ensure 100% uptime during qarranty period. In case of down time. Warranty period will be extended for period of down time. The bidder will have to give bank quarantee (of Nationalized Scheduled bank) of 5% of ordered value valid for 10 yeras towards performance guarantee for warranty. If the equipment is not attended within 48 hours teh supplier will be liable to pay a penalty fo 0.05% of purchase cost for every day of delay. Such penalty shall be recovered from the amount of bank guarantee. Certificate of such uptime/downtime shall be issued by the endures. Which shall be binding for the supplier.
- 14) Initiat payment of 90% of the contract value will be made on delivery and installation & 10% of the contract value will be paid on satisfactory commissioning of the machinery within 30 days.
- 15) The bidder shoudl install the equipment in the concerned department of the the institution, give demonstration free of cost and train the staff of the department (no. as specified by user)
- 16) The Decison of the Superientendent, Cama & Albless Hospital, Mumbai reserves right to reject any or all Quotation without assigning any reason.
- 17) Very Important : In case you are not inerested in quoting your raters; in reply to this enquiry a line in reply in must; failing re liable for dlisting theri name for further enquiries from our list and no further request in this matter will be entertained.

18) Literature, Instruction manual, working leaflet etc may also be set with quotation.

19) Authorization Certificate , Brochure, Catalogue, User List may also submit along with quotation. The Photostat copies of the firm registration should be attached with the quotation.

Authorization letter : A dealer quoting on behalf of manufacturer must attach authorization letter from the manufacturer to sell the equipment and to do after sales services. Sub dealer certificate will not be accepted.

20) Technical Specification - Compliance Chart with Variation/deviation.


IMP:- General Terms & Conditon :

- a) Submit separate sealed quotion for each equipment (equipment wise) under two envolpe (Two bid) System for supply of equipments.
- b) Envelope No.1 (Technical bid) consists of authorization letter & compliance chart are mandatory. Firm registration certificate, GST REgistration, Product cataloue, ISO or ISI Certificate.
- c) Envelope No.2 (Price Bid) consists fo price of equipment/machinery
- d) Price fo equipment must be quoted inclusive of all taxes.
Both the sealed envelope no.1 & envelope no.2 should be put together in one cover & should be sealed and submitted for each item.
- e) A hands on working demonstration is essential before opening envelope No.2 (if demanded)
- f) Unsatisfactory performance of demonstratin will disqualify the Quotation.

Details as below :

Purchase of equipment for year 2021-22 under State Plan

Sr.No.	Name of the Item	Qty.
01	Pipe Line Across Hospital	500 Mtr.
02	Oxygen Outlet with Accessories	50
03	Medicin Trolley	10
04	Bedside Lockers	100
05	I.V. Stand	50
06	Patient Trolley	10
07	Crash Cart Trolley	10
08	Emergency Trolley	07
09	Nebulizer	30
10	Toilet Pan	30
11	Suction Machine	10


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1) Technical Specification of Pipeline Across Hospital:

Indian Medical Grade Copper Pipe as Per BS EN 13348:2008 (Lloyd Certified)
Size: 54 mm OD X 1.2 mm Thick – 300 mtrs.

2) Technical Specification of Oxygen Outlet with Accessories:

Sr. No.	Detailed Item Description	Qty
1	<p>3 Source Control Panel (Fully automatic changeover panel) Fully Automatic Oxygen Control Panel 1800-2000 LPM: As per HTM02 -01/ 2022 / NFPA99 & shall be CE Certified The Oxygen Control panel shall be CE Mark and Microprocessor based. Pressure reduction shall be in three stages. The control panel shall be integrated with pressure gauges inside the panel .The panel shall be fitted by standby line regulator. After line regulator there should be a relief valve mechanism for testing and service purpose. Working Pressure from the oxygen concentrator plant □ 4.1 kg/cm² Working Pressure from fully automatic control panel. – 4.1 kg/cm² Working Pressure from Emergency manifold system – 4.1 kg/cm² Changeover unit of all 3 sources will be at the pressure from oxygen concentrator plant □ Below 4.1kg/cm² Changeover unit of all 3 sources will be at the pressure from main Manifold system □ Below 4.1kg/cm² Changeover unit of all 3 sources will be at the pressure from Emergency manifold system □ Below 4.1kg/cm² At initial stage pressure from oxygen concentrator plant will be activated when the pressure from oxygen concentrator plant will come down at 4.1 kg/cm² it will switch over to Manifold system. Now manifold system is activated. In this position left bank is in running position & Right bank is in reserve position. When the pressure from the left bank is below than 6 kg/cm² it will switch over to Right bank. Now Right bank is in Running position. Before switch over from left bank to Right bank in between pressure of oxygen concentrator plant comes at above 4.1 kg/cm² immediately it will be switch over to Oxygen concentrator plant. After left bank and Right bank is empty it automatically diverts to Emergency manifold system. Now Emergency manifold system is in running position ,if pressure of oxygen concentrator plant comes at above 4.1</p>	1 Set

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	<p>kg/cm² immediately it will be switch over to Oxygen concentrator plant.</p> <p>All the electrical circuits will be operated at 12 volts & 24 volts.</p> <p>Separate indicators will be from separate 3 sources. Pressure from oxygen concentrator plant <input type="checkbox"/> Green signal for Normal pressure & Red signal for Low pressure.</p> <p>Pressure for manifold system – Green signal for Normal Pressure & Red signal for low pressure. Left bank Green signal for Normal Pressure & Red for Low pressure.</p> <p>In Right bank Green signal for Normal Pressure & Red for Low pressure.</p> <p>In Emergency manifold Green signal for Normal Pressure & Red for Low pressure. Main Line Green signal for Normal Pressure & Red for Low pressure.</p> <p>(For Liquid Oxygen Tank of Appropriate Capacity Compatible to the 13 KL Liquid Oxygen Tank Capacity & Vaporizing Coil System)</p>	
2	Indian Medical Grade Copper Pipe as Per BS EN 13348:2008 (Lloyd Certified) Size: 15 mm OD X 0.9 mm Thick	137 Mtr
3	Indian Medical Grade Copper Pipe as Per BS EN 13348:2008 (Lloyd Certified) Size: 12 mm OD X 0.9 mm Thick	72 Mtr
4	Surface Mounted front loading O ₂ Outlets (BS Type)	24 Nos.
5	Surface Mounted front-loading Outlets (BS Type)	24 Nos.
6	BPC Flowmeter with Humidifier Bottle	24 Nos.
7	Ward Vacuum Unit with Regulator, Collection Jar of 600ml with bracket	24 Nos.
8	15 mm Isolation Valve as per HTM/EN	2 Nos.


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3. Technical Specification of Medicine Trolley

Overall dimension: - 902(L) X 532(B) X 915(H) mm. Top shelf & bottom shelf should be made of SS304 sheet with 1mm thickness & 1.2mm. Rest of the components like supporting legs, horizontal bar handle should be made of SS 304 pipe having dia 31.8, 12.7 mm respectively.

The castors of high quality plastic injected molded & anti static having the dia of 125mm should be used.

Handles made of SS 304 pipe having section of 16mm & thickness of 1.2mm should be used. The manufacturer should be compliant with latest ISO 9001, 14001, OHSAS 45001 and CE certification.



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4 Bed side locker (SS top)

- Dimensions : 400x 400 x 820 mm. Locker cabinet and drawer made from mild still CRCA sheet. SS top with raised edge on three sides. Cabinet door with magnetic latch. Mounted on four castors 50mm. Pre-treated and powder coated finish.

5. Technical Specifications for IV Stand

Overall Dimension- Base circle dia. 69.5cm x Adjustable height from 156.8 cm up to 212.1 cm.

Features - 4 hook completely MS make 4 pronged height adjustable saline stand

- 5cm dia. Castors are used

Safe working Load - 3kg per hook


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6. Technical Specification:-Patient Trolley

- Size: 1940 x 680 x 610-920mm.
- Height adjustable by crank mechanism (920 mm-610 mm)
- Parallel Mattress surface movement by crank to transfer patient to Bed or table.
- Horizontal movement range : 400mm.
- Aluminum – Alloy Guard rails, can be fixed up and down.

7. Crash cart

Over all dimensions : 970 x 480 x 1660 mm
Stainless Steel tubular frame work and SS shelves, Six removable plastic bins and two polystyrene lockable storage units with two drawers having containers of different size, 125 mm heavy duty castors -4 nos. Four corners buffers, cardiac massage board & oxygen cylinder holder (MS)



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8. Technical Specification of Emergency Trolley

The emergency trolley should be height adjustable, back rest should be adjustable and have Trendelenburg and reverse Trendelenburg functions.

Overall Size should be in-between L 2139 X W 936 X (H) Adjustable from 700mm to 1080 mm

Bed Frame should be made of ERW 25X50 tubes with thickness of 1.6 mm

Base frame should be made of ERW 25X50 tubes with thickness of 1.6mm

The bed should have smooth Trendelenburg and reverse Trendelenburg function with assist of 2 no's Gas Spring. The gas springs should be of 530 mm length and 168 mm stroke. The bed frame should be height adjustable by assist of Hydraulic Pump stroke of 140mm. It should be smooth functioning and consistent motion during operations is required.

The trolley should be provided with detachable stretcher which should have x-ray permeable top made of high pressure compact laminate of 6mm thick. The top should be exceptional chemical and stain resistance. The fixed portion of the top should be 1065 mm (L) x 590 mm (W) and tilted back portion should be 728 mm (L) x 590 mm (W). There should be ms made x-ray cassette holder which can move along with the top length to perform, x-ray on the different position. The x-ray Cassette should be top mounted. Backrest should be adjustable on ratchet for patient comfort from 0 to 70 Degree

The trolley should be provided with high end 125 mm non marking Steincocastors which should be lockable diagonally.

The trolley should have Safe working Load should of 135 Kg on flat top.

There should IV pole holder with ht adjustable ss made telescopic IV pole with two hooks to mount saline bags. The trolley should be provided with 8 mm dia 1/2" Zinc plating urine bag holder on both the side. The trolley should be provided with drop down ss made side rails which should provide shelter in more than half of the total bed length. The tube should be of 19 mm dia and 1.2 mm thick ss 304 made. The trolley should have 4 no's Neoprene made bumpers for Excellent Shock absorbing property. The top frame should have X ray Tray assembly made of Mild CRCA sheet 1.2 thick X ray Tray can slide along the stretcher length. Provision given for changing the X ray cassette at the leg side, knob to be provided for locking the assembly during TR operation.

Fail Safe Mechanism- the trolley should have Fail Safe mechanism to avoid collapse of ERT during gas spring failure for TR & ATR Mechanism.


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The trolley should be provided with 2 no's U shaped head and foot bow at both the end to drag or push the trolley for movement. The bow should be covered with neoprene material for better grip and avoid cold shock during patient handling. MS Oxygen Cylinder Holder - Provision should be given to mount B type Oxygen Cylinder at the head side of trolley. The trolley should have MS file holder at the bottom to carry file and other accessories during patient movement. The trolley should be provided with two pair of patient safety belt. The bed should be provided with 40 density 50 mm thick PU foam mattress which should be covered by heavy hellum material which is water proof, flame retardant, vapour & X-ray permeable. The zip & stitches for the mattress cover should be concealed

All the MS parts should be treated with nine tank pre-treatment procedure with zinc phosphate and powder coated with antimicrobial and thermosetting epoxy polyester to control the bacterial growth.

The welding should be done by co2-argon welding and there should be Synergy coat on the welded areas to minimise early rusting. The manufacturer should be compliant with latest ISO 9001, 14001, OHSAS 45001 and CE certification.

9 Nebuliser:

- It should be robust design for intensive use, suitable for the treatment of lower airways respiratory diseases like asthma, COPD, cystic fibrosis or emphysema.
- High efficiency with the Virtual Valve Technology Powerful compressor for high efficacy
- Dimensions : 7.2 x 14.2 x 9.8 cm
- Weight : 270 g

10 Toilet pan : Made of SS , Washable, easy to clean, durable.


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Suction machine:

- Adopting Oil-free piston pump
- It should be clean without pollution of oil and smoke
- It should be oil free, It should be safe no plus pressure during usage, it should have backward pressure when the machine stop, to avoid backwards flow of liquid.
- It should have complete plastic panel, hand-switch and foot switch for operating easily, Select negative pressure at will with no level pressure adjustment and overflow protection mechanism, safe and reliable.
- It should have noise equal to less than 65 db, Power \leq 180 VA, Pumping rate greater than equal 20L/min. Reservoir capacity : 2500 ml/pc, 2 pcs.



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