

**TENDER FOR THE PURCHASE OF MACHINERY, EQUIPMENT, FURNITURE & FIXTURE FOR  
UPGRADATION OF THQ HOSPITAL BUREWALA**

**BID EVALUATION SHEET**

Package No/Tender Number :

Name of The Equipment & Quantity : Central Supply System Qty-01, Estimated Cost. Rs. 15,159,457/- Complete Package

Part 1

**KNOCK DOWN CRITERIA ( COMMERCIAL EVALUATION)**

All Evaluation Parametrs defined below are mandatory for Complaiance

Sr No.	Evaluation Parameters	M/s Total Technologies	M/s Eastern Medical	M/s Allmed Solution	M/s Bestech	M/s Everest Pharmedica
1	Legal registered entity	Yes	Yes	Yes	Yes	Yes
2	Active Tax Payer (NTN & GST) as per clause 3 ITB	Yes	Yes	Yes	Yes	Yes
3	One person One Bid	Yes	Yes	Yes	Yes	Yes
4	Manufacturer/Sole Distributor	Yes	Yes	<u>Sole Distributor certificate not provided</u>	<u>Sole Distributor certificate not provided</u>	<u>Sole Disributor M/s Advance Medical Solution while M/s Everest Pharmedica is Sub Distributor</u>
5	Past performance	Yes	Yes	<u>Past Performance of Quoted System is not provided</u>	<u>Past Performance of Quoted System is not provided</u>	Yes
6	Balance Sheet, Financial Statement & Annual Turnover	Yes	Yes	Yes	Yes	Yes
7	Complete item with accessories and optional	Yes	Yes	<u>VIE Option is not quoted</u>	<u>VIE Option is not quoted</u>	Yes
8	Certificate from the Manufacturer regarding after Sales Services and Installation	Yes	Yes	Yes	<u>Not Provided</u>	Yes
9	Technical & Engineering Capability of firm	Yes	Yes	Yes	Yes	Yes
10	Testing/Calibration equipment	Yes	Yes	Yes	Yes	Yes
11	Affidavit from Bidder (as per Supplier Declaration Template)	Yes	Yes	Yes	Yes	Yes

12	Bid Validity	Yes	Yes	Yes	Yes	Yes
13	Delivery Period	Yes	Yes	Yes	Yes	Yes
14	Compliance of Warranty as per tender	Yes	Yes	Yes	Yes	Yes
	REMARKS	Eligible for further evaluation of PART-II	Eligible for further evaluation of PART-II	Not-Eligible for further evaluation of PART-II	Not-Eligible for further evaluation of PART-II	Eligible for further evaluation of PART-II

**Part II**

**Knock Down Criteria (Product Evaluation)**

All Evaluation Parametrs defined below are mandatory for Compliance

Sr No	Specification Compliance / Evaluation Parameters					
2A	<b>Central Supply System</b>					
	Company Name	M/s Total Technologies	M/s Eastern Medical	M/s Allmed Solution	M/s Bestech Enterprises	M/s Everest Pharmedica
1	Brand	Beacon Medaes	Delta P	G Samaras SA	G Samaras SA	P3
2	Model	Multi Items	Multi Items	Multi Items	Multi Items	Multi Items
3	Country of Manufacturer	UK	Italy	Greece	Greece	UK
4	Country of origin of product / Model Number	UK	Italy	Greece	Greece	UK
5	Product Local Market Business History as mentioned in criteria	Yes	Yes	Yes	Yes	Yes
6	Compliance with defined quality standards (FDA 510k, MDD, Jp MHLW as mentioned in the specifications)	CE	CE	CE	CE	CE
Sr#	Specifications/Sample Evaluation:					
1	<u>TECHNICAL SPECIFICATIONS NOTE:</u>					
2	The given below is the designed turnkey solution of complete hospital	Turnkey Basis	Turnkey Basis	Turnkey Basis	Turnkey Basis	Turnkey Basis
3	<u>APPLICABLE STANDARDS/ CONFIGURATION:</u>					

4	The Medical gas Pipe line should strictly comply with the international standards and configuration for requirements of HTM 2022 or latest, however, ISO 7396-1 or latest can also be used. It would be the choice of the bidder for adherence to any standard which would be mentioned in the bid.	ISO 7396/1 and HTM02-01	ISO 7396/1 and HTM02-01	HTM02-01	HTM02-01	HTM02-01
5	<i>The objectives are to ensure the following:</i>	Yes	Yes	Yes	Yes	Yes
6	Non-Interchangeability Between Different Pipeline Systems By Design	NIST	NIST	NIST	NIST	NIST
7	Continuous Supply Of Gases And Vacuum At Specified Pressures By Providing Appropriate Sources;	Yes	Yes	Yes	Yes	Yes
8	Required Flow Rates In Particular Areas/ Outlets;	Yes	Yes	Yes	Yes	Yes
9	Use Of Suitable Materials;	Yes	Yes	Yes	Yes	Yes
10	Cleanliness Of Components;	Yes	Yes	Yes	Yes	Yes
11	Correct Installation;	Yes	Yes	Yes	Yes	Yes
12	Provision Of Monitoring And Alarm Systems;	Yes	Yes	Yes	Yes	Yes
13	Correct Marking Of The Pipeline System;	Yes	Yes	Yes	Yes	Yes
14	Following Of Testing And Commissioning Protocols;	Yes	Yes	Yes	Yes	Yes
15	Maintaining The Purity Of The Gases Delivered By The Pipeline System;	Yes	Yes	Yes	Yes	Yes
16	Correct Operational Management.	Yes	Yes	Yes	Yes	Yes
17	<u>AUTOMATIC MANIFOLD FOR OXYGEN.</u>					
18	Model	Life Line MCS	10366H-2002M Standard Version	2H-4L-P31	2H-2L-E-21	1-42208-01
19	Make	Beacon Medaes	Delta P	G Samaras SA	G Samaras SA	P3
20	Origin	UK	Italy	Greece	Greece	UK
21	The Manifold shall be a fully automatic type & shall switch from "Bank in Use" to "Reserve" bank without fluctuation in delivery supply line pressure & without the need for external power after the switch over the "Reserve" bank shall then become the "Bank in Use" and the banking use shall become the reserve bank. The system should be able to maintain continuous supply in case of power failure	Yes	Yes	Yes	Yes	Yes

22	<u>CAPACITY:</u> (2 x 8) with capacity of 100-120, m3/h.	(2 x 8) with capacity of 105 m3/h.	(2 x 8) with capacity of 120 m3/h.	??	??	(2 x 8) with capacity is not mentioned in Data sheet But firm provided the certificate regarding capacity of 102 m3/h.
23	<u>FUNCTION:</u>					
24	Fully automatic self-contained shuttle-valve with no electrical power required for switching.	Fully automatic, System	Fully automatic, System	Automatic	Automatic	Automatic
25	Microprocessor controlled display unit for monitoring of different parameters and loggings	Microprocessor Controlled	Microprocessor Controlled	Microprocessor controlled display unit & logging is not available But monitoring of gases through Pneumatic system	Microprocessor controlled display unit & logging is not available But monitoring of gases through Pneumatic system	Microprocessor controlled display unit & logging is not available But monitoring of gases through Pneumatic system <u>Firm has provided undertaking for compliance</u>
26	Units of pressure measurement (psi/Pa/bar)	All	Bar	Bar	Bar	All
27	LCD /LED display for the left bank, the right bank& for the supply pressure.	LCD Display	LED Indicators	LED Indicators	LED Indicators	LED Indicators
28	Complete with relief valve	Yes	Yes	Yes	Yes	Yes
29	Emergency shut off valve and battery / bank room alarm for left and right cylinder bank	Yes	Yes	Yes	Yes	Yes
30	VIE Connection with shut off valve, controlled by the manifold cabinet, The primary source of Oxygen will be the VIE System, The complete automatic manifold unit with shifting from VIE System to Main Bank and then to Reserve Bank automatically with display of pressures for each source (Optional)	SOTLMCS VIE Connection with shut off valve is offered but option for controlled by the manifold cabinet is not available	VIE Connection with shut off valve is offered but option for controlled by the manifold cabinet is not available	VIE Connection with shut off valve is offered but option for controlled by the manifold cabinet is not available	Not Offered	VIE Connection with shut off valve is offered but option for controlled by the manifold cabinet is not available
31	Equipped with NIST (Non-Interchangeable Screw threaded )Connection.	NIST	NIST	NIST	NIST	NIST
32	<u>GAS OUTLETS (BS /DIN SYSTEM)</u>	BS Standard	DIN Standard	BS Standard	BS Standard	BS Standard

33	Model	Gemshield	FOR Oxygen: 9338-2001 Compressed Air: 9340-2001	BS5682 Cat#??	BS5682 Cat#??	FOR Oxygen: 1-01050-01 Compressed Air: 1-01053-04
34	Make	Beacon Medaes	Delta P	??	??	P3
35	Origin	UK	Italy	??	??	UK
36	Complete in Box/casing gas Specific,	Specific Casing	Specific Casing	??	??	Specific Casing
37	Self-sealing valve,	Self sealing	Self sealing	??	??	Self sealing
38	Indexed to eliminate interchangeability /erroneous tapping of gas.	NIST	NIST	??	??	NIST
39	Filter and cover plate as per Standard Design requirements of the bidder with following color coding; Oxygen: White	White O2	White O2	??	??	White O2
40	Oxygen	Yes	Cat # 9338-2001	??	??	Yes
41	Compressed Air 4 bar: Black	Yes	Cat# 9340-2001	??	??	Yes
42	BED HEAD UNIT FOR WARDS & PRIVATE ROOM					
43	Model	20-1002-001-SPL	EVA XL	Alexandra + Alexandra R	Alexandra (RAL- 9016)	Aura
44	Make	Beacon Medaes	Delta P	G Samaras SA	G Samaras SA	tedisel
45	Origin	UK	Italy	Greece	Greece	UK
46	Each unit consists of: 1,000 mm and above	1200 mm	1800 mm	1000 mm	1000 mm	1000 mm
47	Horizontal type	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal
48	Built in over bed Light with ON/OFF switch.	Yes	Yes	Yes	Yes	Yes
49	Built in reading Light, with ON/OFF switch.	Yes	Yes	Yes	Yes	Yes
50	Provision for Nurse Call/ Alert Button	Yes	Yes	Yes	Yes	Yes
51	Gas outlets (1x Vacuum, 1x Air, 2x Oxygen complete fitted).	Offered	Offered	Offered	Offered	Offered
52	Electrical provisions;	Yes	Yes	Yes	Yes	Yes
53	Electrical sockets: 4 Nos. & 2Nos. Multi Pin Plug and above schuko/F-type All wiring conforms to standards, ground/earth	Customized	Customized	Customized	Customized	Customized
54	Separate ducts for Electrical & Gas Pipes.	Offered	Offered	Offered	Offered	Offered

55	ALARM AREA for 2 Gases:					
56	Model	MP 26	11041-2620D	??	MGSAPL S	1-31002-09
57	Make	Beacon Medaes	Delta P	??	G Samaras SA	P3
58	Origin	UK	Italy	??	Greece	UK
59	Alarm area for two Gases	Yes	Yes	??	??	Yes
60	Individual display and sensor module.	Display	LED Indicators	??	??	Colored LED
61	Self-diagnostic & error message display readable for ease of maintenance psi, kPa or bar read out.	Yes	Yes	??	??	Part # 1-31002-09 only LED Indicator while option for Self-diagnostic & error message display readable for ease of maintenance psi, kPa or bar not available
62	Test & Mute Button,	Yes	Yes	??	??	Yes
63	Low alarm condition.	Yes	Yes	??	??	Yes
64	MULTIPLE ZONE VALVE BOX FOR 2 GASES					
65	Model	ZVB	11041-2620D	KIB GS 2/L6	KIB GS 2	1-28002-09
66	Make	Beacon Medaes	Delta P	G Samaras SA	G Samaras SA	P3
67	Origin	UK	Italy	Greece	Greece	UK
68	Multiple zone valve box for two Gases	Yes	Yes	Yes	Yes	Yes
69	Each wall type zone valve box shall consist of the following Components.	Yes	Yes	Yes	Yes	Yes
70	A steel valve box which can house two to six shutoff ball valves.	Yes	Yes	Yes	Yes	Yes
71	Pressure gauges to display the pressure of various gases.	Pressure Guages	LCD Display	LCD Display	LCD Display	Pressure Guages
72	OXYGEN FLOW METER					
73	Model	RS + CH/200	Cat# 8532B-2020	FLHS1	FLHS1	Nanotube 10912
74	Make	Flow Meter	Delta P	Hersill	Hersill	Muller
75	Origin	Italy	Italy	Spain	Spain	UK

76	Oxygen flow meter with humidifier and probes	Yes, Humidifier 210 ml	Cat# 9691-1200 500 ml	Humudifier ??	Humudifier ??	Yes, Humidifier 200 ml
77	Oxygen Flow meter complete set from 1 to 15 lpm With autoclave able and unbreakable humidifier bottle	Max 10 LPM	15 LPM	15 LPM	15 LPM	15 LPM
78	For neonate / Paeds (0-6 lpm)	Yes	Cat# 8463B-2020	FLHDC1	FLHDC1	<u>Offered</u>
79	<u>SUCTION VENTURI</u>					
80	Model	Easy Air-1000	AV 500 Cat# 8895-1210V	VRHVEN	VRHVEN	AV 500
81	Make	Flow Meter	Flowmeter	Hersill	Hersill	Flowmeter
82	Origin	Italy	Italy	Spain	Spain	Italy
83	The Vacuum Controller should be connected to Wall Source of Vacuum using direct probe or rail mounting System.	Wall Source	Wall Source	Wall Source	Wall Source	Wall Source
84	Vacuum Levels 0 to 750 mm Hg complete with 1 Liter suction Bottles,	775mmHg , 27LPM	775mmHg , 25LPM	500mmHg , 26.2LPM	500mmHg , 26.2LPM	775mmHg , 25LPM
85	Unbreakable/ Autoclave able (2 each).	Unbreakable, Autoclaveable Mak 1000 <u>Qty-2</u>	Unbreakable, Autoclaveable Mak 1000 <u>Qty-2</u>	VRHSJ <u>Qty??</u>	<u>Not Offered</u>	Offered
86	Complete with overflow safety system.	Yes	Yes	<u>Overflow Valve ??</u>	<u>Overflow Valve ??</u>	Yes
87	For neonate / Peads (0-220 mmHg)	Yes	Yes	<u>Not Offered</u>	<u>Not Offered</u>	Yes
88	<u>COPPER PIPING</u>					
89	Make	Tonoli	Delta P	G Samaras SA	G Samaras SA	Lawton
90	Origin	Italy	Italy	Greece	Greece	UK
91	Supply and installation of seamless medical graded copper pipe,	Yes	Yes	Yes	Yes	Yes
92	deoxidized and degreased along with required fitting etc.,	Yes	Yes	Yes	Yes	Yes
93	various sizes 12 /15 /22 /28mm diameter as per Drawing of the project and Design standard of the bidder with matching color indications of out lets.	Offered	Offered	Offered	Offered	Offered
94	The sizes will vary from minimum of 10mm to onward as per design offered by the firm;	Yes	Yes	Yes	Yes	Yes
95	Oxygen: White	Yes	Yes	Yes	Yes	Yes
96	Air: Black/ B&W Stripes	Yes	Yes	Yes	Yes	Yes
97	Nitrous: Blue	Yes	Yes	Yes	Yes	Yes
98	<u>MEDICAL COMPRESSED AIR STATION</u>					

99	<u>COMPRESSOR</u>				Authorization?	
100	Model	G7 MED	FM11	??	C9	ME B11
101	Make	Beacon Medaes	Delta P	??	Boge	MGF
102	Origin	China	Italy	??	??	UK
103	Duplex Compressor unit	Duplex	Duplex	Data Sheet	Duplex	Data Sheet
104	Reciprocating/ Screw/ Scroll type.	Screw	Screw	??	Screw	Screw
105	Capacity of air producing approximately minimum of each compressor: -1000 liters/min/FAD at 10 bar.	FAD 1014 @ 10 Bar	FAD 1070 @ 10 Bar	??	FAD 1100 @ 10 Bar	FAD 1462 @ 10 Bar
106	Mounted on anti-vibration base.	Yes	Yes	??	Yes	Yes
107	The other capacities of medical air compressor System are 1000 L/min. as per manufacturer's standard design)	FAD 1014 @ 10 Bar	FAD 1070 @ 10 Bar	??	FAD 1100 @ 10 Bar	FAD 1462 @ 10 Bar
108	<u>AIR RESERVOIR</u>	Offered	Offered	??	??	Offered
109	Model	4109500524	Yes	??	??	Part of RA2110
110	Make	Vertical	Vertical	??	??	P3
111	Origin	UK	Italy	??	??	UK
112	Compatible medical grade.	Yes	Yes	??	??	Yes
113	Air receiving tank 1,000 L.	1000 Ltr	1000 Ltr	??	??	Yes
114	Vertical type.	Vertical	Vertical	??	??	Yes
115	Galvanized internally with auto drain.	Auto drain	Auto drain	??	??	Yes
116	Minimum 13 bars out put pressure of tank.	14 Bar	13 Bar	??	??	Yes
117	<u>AIR DRYER</u>			??		
118	Model	MED 17+	Twin Con 8	??	ADEC 12	RA2110
119	Make	Beacon Medaes	Ethafilter	??	G Samaras SA	P3
120	Origin	UK	Italy	??	Greece	UK
121	Desiccant type	Desiccant Type	Desiccant Type	Data Sheet	Desiccant Type	Data Sheet
122	Duplex type	Duplex	Duplex	??	Duplex	??
123	Dew Point range between +40°C----- -80°C	-20°C----- -80°C	-20°C--	??	-20°C----- -70°C	??
124	Dew point monitoring on LCD Panel	Yes	Yes	??	Yes	??



125	Capacity suitable according to the compressor output. (Capacity)	1380 LPM	1083 LPM	??	??	??
126	Including oil water separator.	Yes	Yes	??	Yes	??
127	<u>FILTRATION SYSTEM</u>	Offered	Offered	??	Offered	Offered
128	Clean Medical Grade Air supply in accordance with the requirements of HTM/ISO standards.	Yes	Yes	Data Sheet	Data Sheet	Data Sheet
129	Consisting of Pre-filter / humidity. Oil free and sterile/bacteria filter.	Yes	Yes	??	??	??
130	Mounted with shut-off valves on an assembly panel.	Yes	Yes	??	??	??
131	Parallel Connections of the filters.	Yes	Yes	??	??	??
132	This will make it possible to exchange filter without interrupting the air supply.	Yes	Yes	??	??	??
133	Flow / filtering rate according to the compressed air output.	Yes	Yes	??	??	??
134	<u>REDUCER PANEL COMPRESSED AIR</u>	Cat# 2005704	Offered	??	Offered	Offered
135	Parallel switched reducer with gauge, safety valve, pressure switch for high and low Pressure and shut off valve with assembly panel size 4+ 7 bar.	Reducer Panel for Compressor /Tank Supply /Reserve Supply	Reducer Panel for Compressor /Tank Supply /Reserve Supply Cat# ??	??	Reducer Panel for Compressor /Tank Supply /Reserve Supply Cat# ??	Reducer Panel for Compressor /Tank Supply /Reserve Supply
136	Complete with distribution block according to requirement, Incl. Shut off valve and pressure gauge for every distribution block, complete assemble panel with incoming and outgoing copper pipe for complete system.	Yes	Yes	Yes	Yes	Yes
137	<u>CONTROL</u>	ES Medical Central Controller Cat#8102140434	Air Touch S Control Panel	??	Boge Trinity Control	Offered
138	Complete with 1x main warning system for compressed air for visual and acoustic monitoring of alarms conditions for the compressor room.	Yes	Yes	??	NO Data??	Yes
139	Test point in the system for air quality.	Yes	Yes	??	??	Yes
140	1x switch cabinet for automatic Unit including all necessary fitting and installation material for smooth running of the system without any interruption.	Yes	Yes	??	??	Yes
141	<u>POWER:</u>					
142	Power Supply- 3 Phase, 380 - 400V/50 Hz.	Yes	Yes	Yes	Yes	Yes
143	<u>SPECIAL TERMS &amp; CONDITIONS:</u>					

144	The Major equipment like manifold, bedhead units, alarm box, valves and outlets should be manufactured and supplied by the same Principal.	Compliance	Compliance	Compliance	Compliance	Compliance
145	The medical air compressor, copper pipes and air reservoir may be of different manufacturer but should be supplied by the same principal of medical gas pipeline system.	Compressor: Beacon Medaes Pipe: Tonoli But no evidence provided regarding supply from Beacon Medaes	Same Manufacturer	No Info??	Compressor: Boge Pipe: G Samaras SA But no evidence provided regarding supply from G Samaras	Same Manufacturer
146	All equipment must be according to international safety standard.	Yes	Yes	Yes	Yes	Yes
147	The color of outlets, piping and cylinder for recognition will be BS type for all the system equipment.	Yes	Yes	Yes	Yes	Yes
148	The drop outlet/ Connection will be flushed surface. Separate ducts for piping and electrification.	Yes	Yes	Yes	Yes	
	TECHNICAL ELIGIBILITY OF THE PRODUCT	Eligible	Eligible	Not-Eligible	Not-Eligible	Not-Eligible
	TECHNICAL ELIGIBILITY OF THE FIRM	Eligible	Eligible	Eligible	Not-Eligible	Eligible

				<p>Non-Responsive</p> <p>During clarification of bid the firm change the quote pertaining to duplex compressors, dryer &amp; filtration system that is against the bidding documents clause 26 sub clause 26.1, "</p> <p>During evaluation of the bids, the procuring agency may, at its discretion, ask the bidder for a clarification of its bids, as provided in rule 33 of PPRA 2014.</p> <p>The request for clarification and the response shall be in writing and <u>no change in the prices of substance of bid like indication or re-indication of make/model/brand etc shall be sought, offered or permitted</u></p>		<p>Non-Responsive</p> <p>During clarification of bid the firm change the quote pertaining to dryer &amp; filtration system that is against the bidding documents clause 26 sub clause 26.1, "</p> <p>During evaluation of the bids, the procuring agency may, at its discretion, ask the bidder for a clarification of its bids, as provided in rule 33 of PPRA 2014.</p> <p>The request for clarification and the response shall be in writing and <u>no change in the prices of substance of bid like indication or re-indication of make/model/brand etc shall be sought, offered or permitted</u></p>
		Bid Status	Responsive	Responsive	Non-Responsive	