

OFFICE OF THE DIRECTOR
ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR : NEW DELHI : 110 029
(SCHEDULE-'A')

S.NO. OF TENDER : _____
FILE NO. : TC-397-GT/Anaesth/2006-07/FSC
Name of the party in whose Favour the Tender form has been issued : _____

The Director,
All India Institute of Medical
Sciences , Ansari Nagar.N.Delhi-29

(SEAL OF THE OFFICER)

Dear Sir,

1. I/We hereby submit our tender for the _____

2. I/WE now enclosing herewith the Bank Guarantee/D.D. No..... dated..... for Rs.2,00,000/- drawn in favour of the "DIRECTOR, AIIMS, NEW DELHI" towards EMD/Bid Security. (TENDERS NOT ACCOMPANIED WITH EMD/BID SECURITY ALONGWITH THE TECHNO-COMMERCIAL BID SHALL BE SUMMARILY REJECTED).
3. I/We hereby agree to all the terms and conditions, stipulated by the AIIMS, in this connection including delivery, warranty, penalty etc. Quotations for each group are being submitted under separate covers, and sheets and shall be considered on their face value.
4. I/We have noted that overwritten entries shall be deleted unless duly cut & re-written and initialed.
5. Tenders are duly signed (No thumb impression should be affixed).
6. I/We undertake to sign the contract/agreement, if required, within 15 (Fifteen days) from the date of issue of the letter of acceptance, failing which our/my security money deposited may be forfeited and our/my name may be removed from the list of suppliers at the AIIMS New Delhi-29.
7. I/We have gone through all terms and conditions of the tender documents before submitting the same.

NOTE: ALL TERMS & CONDITIONS SUCH AS TAXES ETC, HAS BEEN INDICATED IN THE QUOTATIONS FAILING WHICH IT WILL BE PRESUMED THAT THE RATES ARE INCLUSIVE OF ALL TAXES AND OTHER TERMS AND CONDITIONS ARE ALSO AS PER YOUR REQUIREMENTS.

Yours faithfully,

Signature of Tender(s) full Address

WITNESS _____
WITNESS _____
WITNESS _____
WITNESS _____

GLOBAL TENDER

FOR

SUPPLY, INSTALLATION &
COMMISSIONING OF GAS PIPE LINE AND
MANIFOLD SYSTEM (INCLUDING
OPERATION FOR 10 YRS.)



JAI PRAKASH NARAIN APEX TRAUMA CENTRE
ALL INDIA INSTITUTE OF MEDICAL SCIENCES,
ANSARI NAGAR, NEW DELHI -110 029, INDIA.

ALL INDIA INSTITUTE OF MEDICAL SCIENCES ANSARI NAGAR, NEW DELHI - 110029

No. TC-397-GT/Anaesth/2006-07/FSC

Specification

1. Scope of work: Supply, commissioning, operation and maintenance of medical gas pipeline and manifold system at JPNA Trauma centre (AIIMS)

Tentative quantity of gas outlets at JPNA Trauma Center

Sl. No.	Area	No. of Beds	Oxygen outlet	Nitrous oxide outlet	MA -4 outlet	MA-7 outlet	Vacuum inlet	AGSS inlet	OT retractable pendant	Horizontal or vertical modular pendant
1	Triage	30	60	-	30	-	60	-	-	30
2	ICU	36	72	-	36	-	72	-	-	36
3	OT x 5	-	10	10	5	5	10	5	5	-
4	Ward	120	120	-	-	-	120	-	-	-
5	Examination room	6	6	-	-	-	6	-	-	-
6	Recovery room	6	12	-	-	-	12	-	-	-
7	Pre op area	6	6	-	-	-	6	-	-	-
8	X-ray room	-	1	-	-	-	1	-	-	-
9	Plaster room	-	1	-	-	-	1	-	-	-
10	MRI	-	1	-	-	-	1	-	-	-
11	CT	-	1	-	-	-	1	-	-	-
12	Angiography	-	1	-	-	-	1	-	-	-
13	Ultrasound	-	1	-	-	-	1	-	-	-
14	Fluroscopy	-	1	-	-	-	1	-	-	-
15	Minor OT	-	1	-	-	-	1	-	-	-
	Total	209	293	10	71	5	293	5	5	66

Approximate Copper piping

76.1mm OD x 1.5mm thk	mtr	45
54mm OD x 1.2 mm thk	mtr	36
42 mm OD x 1.2 mm thk	mtr	170
28 mm OD x 0.9 mm thk	mtr	500
22 mm OD x 0.9 mm thk	mtr	1900
15 mm OD x 0.9 mm thk	mtr	3000
12 mm OD x 0.7 mm thk	mtr	550

1. Standard should comply as follows:
 - a. Terminal unit shall comply with ISO 9170 -1
 - b. Gas- specific connector shall comply with the body of a NIST or DISS connector complying with ISO 5359.
 - c. Pendants, bed head units, shall comply with EN ISO 11197.
 - d. Manifold and line Pressure regulator shall comply with ISO 10524-2
 - e. Pressure gauges shall comply with the requirement given in ISO 10524-2.
2. Copper pipes to be certified by the international recognized body e.g. IIIrd party inspection.
3. Only one standard system to be adhere of any international standards.
4. The vendor should collect the copy of building layout plan, visit the site and make their own proposal.
5. Turn key project.

The system comprises of

1. Liquid oxygen supply
2. Oxygen manifold with fully automatic oxygen control panel
3. Nitrous oxide manifold
4. Vacuum supply system
5. OT Ceiling pendant
6. ICU modular bed head panels
7. Air compressors
8. Distribution piping
9. Monitoring and alarm system
10. Terminal gas Outlets
11. Accessories

1. **Liquid oxygen supply system**

Liquid oxygen will be primary source of oxygen supply and oxygen manifold shall be secondary and reserve source. It should automatically shift to secondary source in case of fault of primary. The unit will have minimum capacity of 5000 liters with provision for further up gradation. Unit should be of latest version internationally. The unit should be fitted with standard accessories as minimum and should have undergone standard inspection requirement. A certificate to that effect has to be submitted.

2. **Oxygen manifold**

Oxygen manifold minimum of 2 x 6 cylinders (bulk cylinder of D type) having top frame comprising of high pressure copper pipe of size 5/8" ID x 7/8" OD with high pressure brass fitting made of high tensile brass, NRV and high pressure copper tailpiece made of high pressure copper size 3/16"x 3/8" OD. This will be a secondary source of oxygen supply, shall automatically supply the pipeline when primary source of supply become exhausted or fails. Reserve source of supply will be provided by three cylinders manifold system with high flow regulator with gauges and safety valves. Reserve system will be operational in case primary and secondary system fails in emergency. All three sources will remain permanently connected and change over will be automatic. The system shall have source shut-off valve for easy changing and positioning, without hook. The cylinder should be placed with the help of cylinder brackets and fixing chains which should be zinc plated appropriate. A filter having pore size of no greater than 100µm shall be provided between the cylinders and the first pressure regulator.

3. **Nitrous oxide manifold system**

Nitrous oxide manifold system shall have minimum of 2 x 4 cylinders (bulk cylinder of D type) with source shut – off valve and reserve source of nitrous oxide will be supplied by minimum of three cylinder manifold with source shut-off valve and main shut off valve. Rest will be same as applicable to oxygen manifold system.

4. **Vacuum supply system :**

- a. Supply system for vacuum shall comprise at least three sources of supply, one reservoir, two parallel bacterial filter and one drainage trap, to suitably ensure flow rate of vacuum as per the international norms at each outlet.

Three oil sealed rotary vane vacuum pumps; a control panel and a receiver mounted on a common base frame should comprise the package. Out of three, each vacuum pump shall be capable of supplying the system design flow to ensure continuity of supply.

Each pump shall be oil lubricated, dynamically balanced multi-vane design with heavy duty aluminum alloy vanes. The vane housing shall be a double walled construction. The oil lubrication system shall be a pressure differential design with full re – circulation and multi-stage exhaust oil separation rated at minimum 99.99% efficiency.

Water vapor condensation in the cylinder shall be prevented by means of an automatic as ballast valve. A non-return valve to prevent oil migration upon shut down. Each pump should have a 5- micron inlet filter.

Each reservoir shall be fitted with shut-off valve (s), a drain valve, and a vacuum gauge. Exhaust from vacuum pump shall be piped outside and shall be provided with the means of to prevent insect, debris and water. Exhaust shall be located remote from any air intake, doors, window and other opening in the building.

The exhaust shall be provided with a drain at its lowest point. Means shall be provided to prevent transmission vibrations to the pipeline.

All sources of electrical supply should be connected to the emergency supply. The control system should provide automatic lead / lag sequencing with circuit breaker, disconnects for each vacuum pump visual and audible reserve unit alarm, with isolated contacts for remote alarm, manual-off-auto lighted selector switches and runtime hour.

A programmable logic controller should control the automatic alteration of the vacuum pumps with provisions for simultaneous operation if required and automatic activation of reserve unit if required. The control system shall include an automatic minimum run time adjustment to control run time based on demand.

b. AGSS (anaesthetic gas scavenging system) :

AGS system shall have two oil less rotary compressors, and other associated accessories to provide service to all the operation theatre.

c. Electrical control panel (for compressor & vacuum pump):

The complete system should work on duplex sequencing and cascading system. The panel should be floor mounted enclosed type. Panel must have one common electrical control panel for both vacuum pumps and both air compressors with automatic switch gear system, for motors, two vacuum switches, two Air pressure switches, complete with wiring & cabling, electrical contractors with single phase preventing units, and main voltmeter, Ampere meters-4, hour meters-4, duplex system, sequencing & cascade system for vacuum pumps and air compressors. The electrical control panel shall be of cubical type made of CRCA sheet of 16 g with epoxy power coating. The panel shall offer the following facilities.

Main incoming switch of required capacity with bus bar system and light indications for incoming for outgoing power supply with voltmeter and ampere meter selector switches. Individual circuits with switch fuse unit, starters, and controls for 2 nos. Air compressors, controls for 2 nos. Vacuum pumps with duplex, sequencing and cascade systems.

Duplex: For every impulse alternate pump shall start and in case of failure if any pump the next pump shall start automatically. Sequencing : The first & second machines will start in sequence Cascade: All pumps shall be connected to a cascade system. In case oneo pump is not able to generate the required vacuum the second

shall start and assist the already running pump. When demand reduces the system shall come back to the first pump only. This electrical control panel should have expandable type means the hospital load increase in future which can be add one / two air compressor and vacuum pumps without any alteration.

5. Operation Theatre Pendants

The Retractable Ceiling Pendant shall be of pneumatically / electrically operated type. The pendant shall consist of an upper section for rigid mounting at the ceiling level and a telescopic lower section capable of being extended to a maximum of 18 inches.

The retractable section of the pendant will be lowered or raised at any position. With the aid of an internal tracking system, the movement of the telescopic portion will glide freely up or down.

The upper and lower section should be made of 16 gauge stainless steel with a # 4 satin finish and should be complete with

- Removable access panel
- Stainless Steel Ceiling Collar
- A heavy gauge steel mounting plate, equipped with brazed type copper fittings for all medical gas connections above the ceiling line.

All electrical and medical gas services shall be provided to the face of the lower section by means of flexible hoses and cables. All threaded connections will comply with NFPA, CGA and ISS recommendations preventing interchanging of connections.

The Retractable Ceiling Pendant should have provision to accommodate the following :

- Oxygen - 2 nos.
- Compressed Air - 1+1 nos.(4bar & 7bars)
- Vacuum - 2 nos.
- 6/16 amps switch socket outlet : 8
- Any combination of Ground Jacks, Computer Outlets, Communication Devices, Slides and IV Hooks

6. ICU Modular Bed Head Panel (Horizontal / Vertical) :

The Bed Head panel shall be constructed out of extruded aluminum profiles with powder coating. The Bed Head Panel shall house gas outlets and electrical sockets & switches. The panel shall have provision for incorporating nurse call system facility.

Segregation of services i.e. electrical and medical gases shall be maintained through out as per standard.

Each Bed Head panel shall accommodate the following :

Gas Outlets :

Oxygen - 2 nos.

Compressed Air - 1 nos

Vacuum - 2 nos.

Point for data cable input- 1nos.

- 6/16 amps switch socket outlet : 8
- Provision for one Nurse Call System.

7. Supply system with medical air compressor:

The air compressor will have air-cooled, oil free, at least three-air compressor source for continuous duty application. Air compressors should be critical maintenance free (CMF) and seizure free technology, which ensures that the compressors can, withstands continuous use under high temperature and posse's high resistance to extreme environments.

Type of compressor: oil scroll technology

Capacity: 1500-2000 liters per minute and maximum pressure 121 psig.

Following should be provided with compressors:

- Intel filter
- Check valve delivery pipe
- Two compressed air receiver
- One dew point alarm sensor shall be fitted to the pipeline system down stream of all conditioning system.
- One dryer with shut-off valve and automatic drains.
- An adsorber, a catalyst and filter as required removing contaminants.

Supply system of medical grade air with compressor should comply with the following:

Oxygen	$\geq 20.4\%$ and $\leq 21.4\%$ V/V
Total oil concentration	$\leq 0.1 \text{ mg/m}^3$ measured at ambient pressure
Carbon monoxide conc.	$\leq 5 \text{ ml/m}^3$
Carbon dioxide conc.	$\leq 500 \text{ ml/ m}^3$
Water vapors content	$\leq 67 \text{ ml/ m}^3$
Sulfur dioxide	$\leq 1 \text{ ml/ m}^3$
NO+NO ₂	$\leq 2 \text{ ml/ m}^3$

8. Distribution piping

The scope of work shall cover all distribution, piping and terminal units for oxygen, nitrous oxide, compressed air and vacuum in order to provide standard flow rate and pressure at the proposed outlet point.

The specifications for distribution piping system should be.

Material (Pipe) : The piped distribution system shall use copper pipes manufactured from phosphorous de-oxidised non-arsenical copper, seamless, halfhard, tempered to comply with ASTM-B 819.00; 2002 standards. Pipes are to be degreased suitable for oxygen use.

The pipe sizes to be used are from among as under:

<i>Copper Pipe OD (in mm)</i>	Thickness (in mm)
12	0.7
15	0.9
22	0.9
28	0.9
42	1.2
54	1.2
76.1	1.5
108	2.0

Fittings shall be end fed type, manufactured from the same grade of copper as the pipes and be in accordance with the requirements of BS EN 1254-1: 1998 Part 1. Fittings shall be degreased suitable for oxygen use and supplied sealed in protective polythene bags.

Copper to copper joints shall be made on site using a silver-copper-phosphorous brazing alloy to BS 1845 using an oxygen free nitrogen inert gas shield and no flux. Copper to brass or gunmetal joints shall not be made on site. Except for mechanical joints used for components, all metallic pipeline joints shall be brazed or welded. The method used for brazing or welding shall permit the joint to maintain their mechanical characteristics up to 600⁰C. Filler metal for brazing shall nominally cadmium free (less than 0.025% mass fraction).

Medical gas pipeline shall be bonded to an earth terminal as near as possible to the point at which the pipeline enters the building.

All pipelines for medical gases shall be routed in such way that they are not exposed to a temperature less than 5⁰C above the dew point of the gas distribution pressure,

If pipeline placed underground they shall be placed in duct or tunnels. The duct and tunnels shall be provided with adequate drainage to prevent water accumulation.

Pipeline shall be supported at interval to prevent sagging or distortion. The maximum interval between support for metallic and non-metallic pipes should not exceed the value given below:

Pipe out side diameter (in mm)	Maximum interval between support (in meter)
Up to 15	1.5
22 to 28	2.0
35 to 54	2.5
>54	3.0

Test: After erection, all the new pipes cleaned or purged with the help of dry nitrogen gas. And complete existing and new system will be tested with dry nitrogen 1.5 times of working pressure for

24 hrs. System should be tested for integrity, leakage, obstruction flow, particulate contamination, pressure relief valve, and monitoring and alarm system.

The pipes should be accompanied with manufacturers test certificate for the physical properties & chemical composition. Further the pipe should be got tested by a international reputed third party, and certificate to this effect should also be provided. Imported copper fitting shall be made of copper and suitable for steam working Pressure of 17 bar and especially made for brazed socket type connections. All area of pipeline should be isolated by putting shut-off valve at various levels and lockable line valve to match with HTM 2022, EN737.

Marking and colour coding: Pipeline shall be marked with the name and/or symbol adjacent to shut-off valves, at the junctions and the changes of direction, before and after walls and partitions, etc. at the intervals of no more than 10 mtr and adjacent to terminal units. Marking shall include arrows denoting direction of flow and letters used for marking not less than 6mm high. All existing main pipes and proposed exposed pipes/should be painted with two coats of synthetic enamel paint & color codification to comply with ISO 5359. All concealed pipes to have gas identification bands/labels at appropriate distance. Similarly all pipes which need embedding in the wall will be tested/painted/labeled and properly insulated in accordance with ISO 5359.

9. Monitoring and alarm system

Monitoring system systems will have four types of alarm, operating alarm emergency operating alarm, emergency clinical alarm and information signals. All parameters should be displayed in digital form.

Signals should be auditory, visual and indicate colour. Auditory signals can b e silenced by operator but silencing period should not exceed 15 min. Auditory and visual signal requirements should comply with IEC 60601-1-8

- The alarm system will be of modular construction and digital type, should provide visual indication of normal status and location of indicator panel should allow continuous observation.
- Indicator panel displaying all operating alarm signals shall be installed in at least one location allowing continuous observation. Signal should indicate:
 1. Changeover from primary to secondary cylinder supply.
 2. Any primary, secondary and reserve cylinder below minimum pressure or content.
 3. Malfunctioning of compressors, vacuum pumps.
- Emergency clinical alarm signal shall be installed in the critical area and an additional panel will be installed near the area shut-of valve and shall indicate area monitored.
- Alarm system shall be of the design so that an alarm is initiated if there is electrical power failure between the sensor and the indicator.
- Monitor and alarm system shall be connected to the normal and emergency electrical power supply.
- The default set point shall be $\pm 20\%$ variation from normal condition. Set point shall be adjustable on the board. In addition “ Push to Test” & ‘Alarm silence” button shall be easily accessible to operator and test the unit.

- Each specific service shall be provided with LED digital readout comprising of 0-250 psig and 0-30 inch Hg for vacuum.

Alarm categories and signal characteristics.

Category	Indicator colour	Visual signal	Auditory signal
Emergency clinical alarm	Complying with IEC 60601-1-8	Complying with IEC 60601-1-8	Complying with IEC 60601-1-8
Emergency operating alarm	RED	Flashing	YES
Operating alarm	YELLOW	Flashing	YES
Information signal	GREEN	Constant	NO

10. Terminal Outlets

(To be installed on Wall Recessed O concealed) /Console;; on Ceiling Pendant in ICU and operation theatre)

All outlets should be double lock quick connect and gas specific for the services indicated (viz. O₂ N₂o, MA 4, MA 7, AGSS & Vacuum) and to accept only compatible quick connect Geometric Index type steel adapters. The outlet shall be meet EN 737, BS 6834, HTM 2022, BS 5682: 1984 standards. The rough in assembly shall be of modular design and include a gas specific 16 swg steel mounting plate design to permit onsite ganging of multiple outlet, in any order, on 5"center line spacing. A machine brass outlet block shall b permanently attached to the mounting plate in such a manner so as to permit the 18" long, 3/8" OD inlet copper tube to be swiveled 360 degrees for the attachment to the piping system. Gas service identification shall be affixed to the inlet tube and face of the mounting plate.

A secondary valve shall be installed in the outlet block assembly for pressure testing and to prevent gas flow when the latch valve assembly is removed for service. A 1/2" high metal flange around the outlet block seal opening shall provide a plaster barrier. A temporary, transparent cover shall be provided to keep debris out of the outlet during installation while permitting labels to be viewed for outlet service identity. A temporary, transparent cover shall be provided to keep debris out of the outlet during installation while permitting label to be viewed for outlet service identity. The rough in assembly shall contain a double seal to prevent gas leakage between the rough and the latch valve after the walls are finished.

The latch valve assembly shall include an "O" ring seal primary valve and be gas specific for the labeled service and accept only corresponding compatible hose and apparatus adaptors. The latch valve assembly shall be indexed to the corresponding rough in assembly to avoid accidental cross fitting and shall telescope upto 3/4" to allow for variation in finished wall thickness from 1/2" to 1-1/4", A metal trim plate with permanent, color coded marking of service identification shall be included as part of the latch valve assembly.

For each recessed outlets-a die cast, epoxy powder coated cove plate shall be provided to trim each outlet and to fill the space between adjacent outlets. Cover plate design shall allow latch valves individually removed for servicing.

The latch/locking release mechanism should be incorporated on to the gas outlet with geometrical key indexing on specific adapter (probe) and should also have a parking facility.

11. Accessories:

a. Ward Vacuum Unit Wall Mounted Type

Should be ISO 9000 certified and complies HTM-2002, B.S. Standard. Ward Suction Unit must be a full quality assurance system medical device consists of :

- Suction regulator should be supplied with a safety jar, including an anti overflow safety device.
- Should have continuous suction controller with reliability & fine adjustment. Should have plastic body and cover, preventing risk of corrosion.
- Should have vacuum gauge, on/off knob allowing for the quick restoration of a vacuum level.
- Must have central adjustment knob with a color-coded, polycarbonate, autoclavable, unbreakable, fitted with an anti overflow safety device.
- Collection jar should be unbreakable and autoclavable, Polycarbonate jars, Jar capacities must be between 1000-1500ml.

b. Operation theatre vacuum unit:

- Unit will be consisting minimum of two reusable 2000-3000 ml shatter resistance bottle, including an anti overflow safety device, each made up of autoclavable polycarbonate jars.
- A vacuum regulator with instant ON/OFF switch and a three way selector switch with an option to operate either-Left-right-both.
- All above items will be mounted on a trolley having free moving castor wheels.

c. Flow meter with humidifier:

Back pressure compensated flow meter will be of accurate gas measurement with following features:

- Flow control with in range of 0-15 l/min.
- Flow tube should have large and expanded 0-5 liters/min ranges for improved reliability.

Turnkey :

1. Building required for keeping the gas cylinders, foundation, fencing, etc. will be constructed by the Vendor.
2. Making holes in the slab, walls, Removing false ceiling & placing back, if any, etc. will be the responsibility of the vendor and the same will be made good by him. Related malba will be removed by the contractor and will be disposed in the dumping yard as decided by the Engineer In-charge.
3. Other related electric work, if any, for making the manifold functional will be executed by the vendor.
4. All civil/electrical work will be carried out as per CPWD specifications.

TC-397-GT/Anaesth/2006-07/FSCIMPORTANT DATES REGARDING TENDER .

1. The Last date for the Sale of Tender Document : On or before 12.01.2007 upto 4.30 p.m.
2. Submission of Sealed bids : On or before 19.01.2007 upto 12.30 p.m.
3. Date of opening of Techno-commercial bids : 20.01.2007 at 10.30 a.m.

Contact Address: Stores Officer (TC)
All India Institute of Medical Sciences,
Ansari Nagar, New Delhi -29.
Tel: 91-11 26594476
91 11 26594302
Fax: 91-11-26588663, 26588641

INVITATION TO BID

1. Instruction to Bidders

- 1.1 Bids are invited, for and on behalf of Director AIIMS, from established, reputed and experienced manufacturers or their authorized representatives for the Supply, Installation & Commissioning of Gas Pipe Line and Manifold System (including operation for 10 yrs.) as per the enclosed Technical Specifications (Annexure-I).
- 1.2 Bidders are invited to study the tender document and terms & conditions carefully. Submission of tender shall be deemed to have been done after careful study and examination of the tender document with full understanding of its implications.
- 1.3 The scope of work shall include Supply, Installation, Commissioning, & Satisfactory Demonstration. This will also include testing, packing, transportation, scheduling of transportation, transit insurance, delivery at sites, unloading, storage, job site storage, insurance, installation any other services associated with the delivery of the equipment and materials providing warranty of services and operation and maintenance of other related equipment / items required for complete installation. The successful bidder will assume full responsibility of the complete system until final acceptance.
- 1.4 It will be imperative on each bidder to fully acquaint himself with all the local conditions and factors which would have any effect on the performance of the System. No request for the change of price, or time, schedule of delivery of stores shall be entertained after the purchaser on account of any local condition or factor accepts the offer.
- 1.5 The bidders are required to have a survey including a site visit before furnishing the quotations. They have to apply for permission in this regard to the Director, AIIMS. The Director, AIIMS, will give such permission in writing, but the expenses, in connection with the visit and surveys, shall be borne by the bidders themselves.

2. Schedule of Tender

- 2.1 The non-transferable Tender Document will be sold on payment of tender fee of Rs.2000/- (Rupees Two Thousand only - non-refundable) through demand draft/pay order payable at New Delhi drawn in favour of the Director, AIIMS, New Delhi.
- 2.2 The non-transferable tender document can be obtained from the Office of Stores Officer (TC), AIIMS as the case may be on or before 12.01.2007 working days viz. Monday to Friday from 14.00 to 16.30 hrs. and Saturday from 11.00 to 12.30 hrs.
- 2.3 The sealed bids will be accepted upto 19.01.2007 till 12.30 p.m. in the office of the Stores Officer(TC), AIIMS.
- 2.4 The Techno-Commercial Bids will be opened on 20.01.2007 at 10.30 a.m. in the office of the Stores Officer (TC), AIIMS. The bidders or their authorized representatives may be present if they so desire.
- 2.5 After evaluation of the Techno-Commercial Bids and the technical presentation, the short listed bidders will be intimated later.
- 2.6 The Commercial bids of the short listed bidders will be opened at the Office of the Stores Officer(TC), AIIMS as the case may be in the presence of their authorized representatives, if any. (The date of opening of commercial bids will be communicated to the technically successful bidders).
- 2.7 All the correspondences shall be addressed to the Stores Officer(TC), AIIMS, Ansari Nagar, New Delhi-110029, India.

3. **On site functional assessment of the similar installation and equipment of the short listed Bidders will be undertaken, if necessary, by the Committee duly constituted by the AIIMS.**

4. Purchaser's Right to Vary Quantities at the time of Award

The Purchaser reserves the right to vary the quantities and/or services and/ or split the order among the selected Bidders.

5. Purchaser's Right to accept any Bid and to reject any or all bids

The Purchaser reserves the right to accept any bid, and to annul the tender process and reject all bids at any time, without assigning any reason. Prior to award of Contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for the Purchaser's action.

6. Bidder Qualification

The "Bidder" as used in the tender documents shall mean one who has signed the Bid Form. The Bidder may be either the manufacturer of the equipment/ material for which prices are quoted on the Price Schedule or his duly authorized representative, in which case he shall submit a certificate of authority as per Annexure- D All certificates and documents received hereby, shall, as far as possible, be furnished by the manufacturer/ representative of the firm.

7. Bid Security/Earnest Money

- 7.1 Bid Security amount should be enclosed alongwith the Techno-Commercial Bid for an amount of Rs.2,00,000/- in the form of Bank Guarantee from any Indian Scheduled Bank valid for one year from the date of opening the tender or by way of Demand Draft drawn in favor of Director, AIIMS, New Delhi, failing which the tenders will be out rightly rejected. Bid Security/EMD, if already deposited against other tenders, shall not be adjusted against this tender.
- 7.2 The "Bid Security/Earnest Money Demand Draft", in case of unsuccessful Bidders, shall be retained by the Purchaser, upto a maximum period of One year from the date of opening of the Bids or till the finalization of the tender, whichever is later. The Bid security shall be refunded to the unsuccessful tenderers on written request alongwith Original Cash Deposit Receipt issued by the institute. No interest will be payable by the Purchaser on the Bid Security/EMD.
- 7.3 The Bid Security/Earnest Money shall be forfeited :
- a) If a Bidder withdraws his bid during the period of bid validity specified by the Bidder in the Bid; or
 - b) In the case of the finally selected Bidder, if the Bidder fails;
 - i) to sign the Contract in accordance with Clause 17; or
 - ii) to furnish Performance Guarantee in accordance with Clause 11.3 or
 - iii) if, at any stage, any of the information/declaration is found false
- 7.4 Bid security/Earnest Money in respect of the finally selected Bidder(s) will be discharged upon the Bidder(s) executing the Contract, and furnishing the Performance Guarantee, pursuant to Clause-11.3.

8. Period of Validity of Bids

Bids shall remain valid for One year from the date of bid opening prescribed by the Purchaser. The Purchaser may reject a bid valid for a shorter period as non-response

9. THE FORWARDING LETTER/UNDERTAKING (SCHEDULE'A') ALONGWITH CHECKLIST FOR TERMS & CONDITIONS DULY SIGNED SHOULD INVARIABLY BE RETURNED ALONGWITH QUOTATIONS FURNISHED, FAILING WHICH THE TENDER SHALL BE REJECTED.

10. Terms and Conditions of Tendering Firms

- 10.1 Printed terms and conditions of the Bidder will not be considered as forming part of their Bids. In case terms and conditions of the contract applicable to this invitation of tender are not acceptable to any Bidder, he should clearly specify deviation in his Bid.

11. Bid Requirements

- 11.1 The Bidder must quote for the equipment with all items and quantities as listed under the Schedule for Requirements.

- 11.2 Arithmetical errors will be rectified on the following basis: If there is a discrepancy between the unit price and the total unit price as declared in the Price Schedule the unit price shall prevail and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words will prevail. If the supplier does not accept the correction of the errors, its bid will be rejected.
- 11.3 The finally selected Bidder(s) will be required to furnish Contract Performance Bank Guarantee for 10% of the Contract Price, on award of Contract as per the prescribed Proforma, from any Scheduled Indian Bank (As per the list enclosed), which shall be valid till warranty period. The performance bank guarantee (B/G) should be submitted to the purchaser within two weeks from the date of acceptance of the tender. Failure to furnish performance B/G, in time, would entail forfeiture of EMD.
- 11.4 The Bid Documents are not transferable and the cost of the documents is not refundable under any circumstances.
- 11.5 Bids from Bidders who have not purchased the Bid document or Bids not accompanied by Bid Security or Bids from representatives without letter of Authority from the manufacturers will be summarily rejected.
- 11.6 Telex/Fax bids and incomplete bids will be summarily rejected.
- 11.7 Bidders should enclose, alongwith the Techno-Commercial Bid of their offers, the full details including proposed configuration of offers with full documentation, descriptive literature/leaflets supplementing the description and point out any special feature of their system. All documentation is required to be in English.
- 11.8 The bid shall contain no interlineation, erasures or overwriting except as necessary to correct errors made by the Bidder, in which case such corrections shall be initialed by the person or persons signing the bid.
- 11.9 All pages of the Bid being submitted must be signed and sequentially numbered by the Bidder.
- 11.10 All information in the offer must be in English. Information in any other language must be accompanied by its authenticated translation in English. Failure to comply with this may render the offer liable to be rejected. In the event of any discrepancy between the offer in a language other than English and its English translation, the English translation will prevail.

12. Bid Prices

- 12.1 IN CASE OF IMPORT, THE TENDERERS ARE REQUIRED TO QUOTE FOB & CIF VALUE SEPARATELY DULY MENTIONING THE BREAKUP DETAILS FOR FREIGHT & INSURANCE. THIS CONDITION SHOULD BE STRICTLY ADHERED TO FAILING WHICH THEIR TENDER WILL BE SUMMERLY REJECTED.
- 12.2 The bidder shall indicate on the Price Schedule attached to these documents the Unit Prices and the total Unit Prices of the goods it proposes to supply under the Contract in the following manner :
- i) Unit FOB & CIF price separately for each item (excluding customs duty) giving breakup of freight & Insurance charges.
 - ii) Customs duty on per unit CIF price
 - iii) Local levies, if any, on per unit price
 - iv) Other incidental charges, if any, on per unit price
 - v) Unit price, for destination
 - vi) Total unit price, for destination. Excise duties, sales tax if included should be explicitly specified.
- 12.3 It should be noted that payment by the Purchaser towards customs duty and local levies, if any would be made on actual. The purchaser would provide appropriate forms applicable to purchases made on behalf of Govt. of India.

- 12.4 The prices quoted by the Bidder and accepted by the sub-committee duly constituted by AIIMS shall hold good till the completion of the works and no additional claims will be admissible on account of any price variation or fluctuation in market rates.
- 12.5 Payments made consequent to any notified change in custom duties, excise duties and sales tax (both increase and decrease) shall be to the Purchaser's account. For such claims of variation, the Bidder shall produce the Government notification as documentary evidence. Price variation due to any other cause shall be on Bidder's account.
- 12.6 The finally selected Bidder will have to apply to the proper Government Authority for grant of requisite Licence /foreign exchange for such items as required and the purchaser will only tender such assistance, as considered necessary.
- 12.7 The firm has to provide the breakup expenditure of different quoted items as well as total expenditure clearly for the system.

13. Contents of Bid

The Bid prepared by the Bidder shall comprise of the following two components:

- a) Techno-Commercial Bid comprising of the following and to be filled on the format sheets provided in the tender document. This is mandatory:-
 - i) Bidders particulars (Annexure-A)
 - ii) Bid Form (Annexure -B)
 - iii) Bidder profile (Annexure -C)
 - iv) Manufacturers' Authorisation Form (Annexure -D)
 - v) Proforma of Guarantee for supply of spares during the post warranty period (Annexure - E)
- b) Financial Bid / Price bid to be submitted in the company's letter head duly signed & sealed by their authorized signatory / ies.

14. Procedure for Submission of Bids

- 14.1 It is proposed to have a Two Cover System for this tender
- a) Techno-Commercial Bid (2 copies) in one cover
 - b) Financial Bid (2 copies) in one cover
- 14.2 Each copy of Techno-Commercial Bid of the Tender should be covered in a separate sealed cover super-scribing the wordings "Techno-Commercial Bid". Each copy should also be marked as "Original" & "Duplicate ". Both the copies should be put in a single sealed cover super-scribing the wordings "Techno-Commercial Bid". In the event of any discrepancy between them, the original shall govern.

PLEASE NOTE THAT PRICES SHOULD NOT BE INDICATED IN THE TECHNO-COMMERCIAL BID. TENDERS SUBMITTED WITHOUT FOLLOWING THE TWO BID SYSTEM PROCEDURE WILL BE SUMMARILY REJECTED.

- 14.3 Each copy of Commercial Bid of the tender should be covered in a separate sealed cover super-scribing the wordings "Commercial Bid". Each copy should also be marked as "Original" & "Duplicate". Both the copies should be put in a single sealed cover super-scribing the wordings "Commercial Bid". In the event of any discrepancy between them, the original shall govern.
- 14.4 Both the Techno-Commercial Bid cover and Commercial Bid cover prepared as above are to be kept in a single sealed cover superscribed with Tender Number.
- 14.5 The cover thus prepared should also indicate clearly the name and address of the Bidder.
- 14.6 Each copy of the tender should be a complete document and should be bound as a volume. Different copies must be bound separately.

- 14.7 The sealed cover as mentioned at Clause 14.4 above shall be deposited with the Stores Officer (DO) AIIMS etc. as the case may be.

15. Opening of Bids by Purchaser

- 15.1 The bids will be opened in the presence of Bidders/representatives who choose to attend on the date and time as mentioned. The Bidders/ representatives who are present shall sign a register evidencing their attendance. The Bidder's representatives shall furnish letter of authority from their principal to attend the bid opening. Financial bids of Bidders whose bids are found technically suitable (after the presentation, if any,) only will be opened. The decision of the sub-committee on technical suitability shall be final and shall not be opened for discussion.

16. Award of Contract

Prior to the expiry of the period of bid validity, the Purchaser will notify the finally selected Bidder(s) in writing by registered letter or by cable or telex or fax, to be confirmed in writing by registered letter or by Hand in person, that its bid has been accepted. If a need for extension of the bid validity period arises, it should be extended by mutual agreement. The notification of award will constitute the formation of the Contract.

17. Signing of Contract

- 17.1 At the same time as the Purchaser notifies the finally selected Bidder(s) that its bid has been accepted, the finally selected Bidder(s) shall collect the supply order Contract Form from the office of the Store Officer concerned.
- 17.2 Within 7 (seven) days of the receipt of the Contract Form, the finally selected Bidder(s) shall sign the Contract with the purchaser at the purchaser's location mentioned at Clause 2.7. The finally selected bidder shall bring, along with him, the power of attorney, the contract performance bank guarantee as mentioned at Clause 11.3 and common seal etc. for signing the contract.
- 17.3 Without prejudice to any legal remedy, failure of the finally selected Bidder(s) to comply with the requirement of Clause 7.3 (a) or Clause 7.3 (b) shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the Purchaser may make the award to the next lowest evaluated Bidder or call for new bids.

18. Inspection and Tests

The Purchaser shall have the right to inspect and/or test the equipment for conformity to the Contract Specifications.

- 18.1 In case any inspected or tested equipments fail to conform to the specifications, the Purchaser may reject them and the supplier shall either replace the rejected equipments or make all alterations necessary to meet specification requirements free of cost to the Purchaser.
- 18.2 The supplier shall provide installation and standard tests for the individual equipment before the delivery of the system at site.
- 18.3 The supplier shall test each individual equipment and the complete system after installation at site and prepare a test report. This shall be compared with the factory test report to ensure that there is no deterioration in the equipment parameters during storage, transportation and installation.
- 18.4 Leaflets and literature should invariably be attached for ready references alongwith complete documentation of all the measurements conducted during installation period which shall be submitted by the supplier for future reference.
- 18.5 The technical problems faced during installation, testing and commissioning period and their solutions shall be submitted by the supplier at the time of handing over the completed works.

- 18.6 For the purpose of taking over the equipment/system supplied pursuant to this contract, an acceptance test shall be carried out at the Purchaser/Consignees destination site. The equipment which meets the acceptance test shall only be accepted by the Purchaser.
- 18.7 (a) Acceptance Test at site shall be conducted of individual equipment and complete system to ensure that individual equipment and complete system meets the technical specifications and other operational and technical requirements of tender.
- (b) The Purchaser shall have the right to reject any individual equipment or complete system, if in its opinion the same does not meet technical specifications, operational or technical requirements. The decision of the purchaser in this regard shall be final.
- (c) The delivery, installation or commissioning shall not be deemed to have been completed unless all the equipments and systems are accepted by the purchaser.
- 18.8 Before the equipment is taken over by the Purchaser/Consignee, the Supplier shall provide manuals of the equipment/systems. This shall include the following:
- i) System Interface Drawings, Wiring diagrams
 - ii) System Interconnection and Block diagrams
 - iii) User Operation Manuals
 - iv) Equipment Maintenance Manuals

19. Spare Parts

- 19.1 The Bidder will undertake that supplies of necessary maintenance equipment and spare parts will be made available for all items/equipments and the complete system for at least ten years on a continuing basis. However, this does not relieve the supplier of any warranty obligations under the Contract.
- 19.2 The Bidder shall include in his tender, the details of essential spares, their quantity and unit prices as per schedule of requirements. Detailed explanation to confirm that quantity of spares quoted as per requirement of this clause shall be given.
- 19.3 In addition to the essential spares, Bidder shall indicate additional recommended quantities of spares for efficient maintenance of the equipment and the systems for a period of 5 years, after the completion of warranty period, to ensure that the quality and reliability objective is achieved. The details on which unit price and the total cost or recommended spares is based shall be included in the tender as an option. However, the cost of such recommended spares shall not be considered for tender evaluation

20. Warranty

- 20.1 Complete system including should have comprehensive (labour & spares) onsite warranty for five years; commencing from the date of issue of installation certificate by the institute. Post guarantee annual comprehensive maintenance contract (CMC) to cover main equipment including all accessories supplied with the unit should be quoted separately for additional five years with year wise break up. The warranty charges shall not be quoted separately otherwise the offer shall be summarily rejected. The price comparison shall be made taking into account on basic price and post warranty CMC.
- 20.2 Incremental Cost (if any) for, upgradation, if required, should form part of the contract for the Warranty and Post Warranty period.
- 20.3 The Supplier (manufacturer) shall set-up a maintenance base to provide maintenance service, of the entire system being offered, at short notice during the warranty and post warranty period. The technical maintenance personnel of the supplier responsible for supervision and maintenance shall be available to reach the site(s) within 1 hour's notice.
- 20.4 If the performance of any individual equipment or system is not satisfactory, the same shall be replaced by the supplier free of cost.

- 20.5 If it is found that to meet the performance criteria, any extra equipment is required the same will be provided free of cost by the supplier.
- 20.6 All faults appearing and their rectification shall be periodically advised to the hospital, the period being not more than a month.
- 20.7 Any lacuna or lacunae noticed in the functioning of the installation as a result of any design feature shall be rectified by the supplier free of cost.
- 20.8 The Supplier shall fully associate the engineers and technicians of the Institute during installation, testing, commissioning, operation and maintenance period.

21. After Sales Services and Comprehensive Maintenance Contract (Post Warranty CMC)

After sales services will be provided by the supplier during and after guarantee period of the equipment. Details alongwith the yearly comprehensive maintenance charges for five year after warranty shall be forwarded provided.

22. Previous Installations

The names and address of the institutions/hospitals where the supplier has already installed/supplied the equipment indicating the dates of installations may be given (in India and abroad).

23. Delivery, Installation and Commissioning

- 23.1 Delivery of the goods at the Institute premises shall be completed by the Supplier within 6-8 weeks from the date of Supply Order.
- 23.2 The installation, testing and commissioning of the proposed system shall be completed within one month from the date of receipt of the items, failing which necessary action as deemed fit under rules, will be taken against the defaulter.

24. Experience of Vendors / Bidders

- 24.1 THE VENDORS/BIDDERS SHALL HAVE THE EXPERIENCE OF HAVING SUCCESSFULLY COMPLETED SIMILAR WORKS DURING LAST 7 YEARS ENDING LAST DAY OF MONTH PREVIOUS TO THE ONE IN WHICH APPLICATIONS ARE INVITED SHOULD BE ONE SIMILAR COMPLETED WORK COSTING NOT LESS THAN THE AMOUNT EQUAL TO 80% OF THE ESTIMATED COST OF RS.3 CRORES (i.e. Rs.2..40 Crores).
- 24.2 THE "SIMILAR WORK" IS HEREBY CLEARLY DEFINED AS "SUPPLY, INSTALLATION & COMMISSIONING OF THE CENTRALIZED MANIFOLD GAS PIPELINE SYSTEM."

25. Incidental Services

- 25.1 The supplier is required to provide Hardware and Software up gradation from time to time, at mutually agreed terms. During warranty all Software updated version / up gradations are expected to be provided at free of cost to Purchaser .
- 25.2 Further, any bugs/shortcomings detected by the purchaser/user as well as the supplier himself shall be rectified at free of cost to purchaser beyond warranty period

26. Site Preparation

- 26.1 The site for installation of the equipment shall be provided by the purchaser as per the required specification and environmental conditions before the installation of System.
- 26.2 Site Plan and System layout plan including civil/electrical work or other related works shall be prepared by the supplier.
- 26.3 Earthling arrangements for all the equipment shall be completed as per standard practice

27. Termination for default

The purchaser may without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, terminate the contract in whole or in part.

- i) If the supplier fails to deliver or install system within the time period(s) specified in the contract.
- OR
- ii) If the supplier fails to perform any other obligation(s) under the contract.

28. Use of Contract Document & Information

The supplier shall not, without the Purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample of information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the supplier in the Performance of the contract

29. Property Rights

The Supplier shall indemnify the Purchaser against all third party claims of infringement of patent, copyright, trademark, license of industrial design rights, software piracy arising from use of the goods or any part thereof in the Purchaser's country.

30. Payment

Letter of Credit will be opened on FOB/CIF Value, as the case may be, for full amount after deducting the Agency Commission/Technical Service Charges. 100% payment shall be released against presentation of shipping documents against a performance Bank Guarantee valid for the warranty period of five years for 10 % value from any Scheduled Indian Bank.

The Institute shall make all reasonable and due efforts to pay the Indian Agency Commission at the earliest possible after 3 months of satisfactory installation/commissioning and handing over of the system in good working condition and meeting any other requirements for payment of the Agency commission. The rate of exchange applicable for converting agency commission into equivalent Indian Rupees shall be the T.T. selling rate prevalent on the date of releasing the documents by the Bankers. The Indian Agency Commission will be paid in Indian Currency (Rupees) to the Indian Agents.

Payment (in case of Rupees) shall be made through cheque or Electronic Clearing System. In case of cheque, the same will be dispatched through /Registered Post and postal charges shall be deducted from the bill.

31. Packing and Marketing

Best trade packing suitable for safe Rail/Road/Air/Sea transit shall be used subject to packing and marking being acceptable to the Inspecting Authority.

- (a) The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the contract. The packing shall be sufficient to withstand without limitation, rough handling during transit and exposure to extreme temperature, salt and precipitation during transit and open storage. Packing case, size and weights shall take into consideration, where appropriate, the remoteness of the Goods final destination and absence of heavy handling facilities at all points in transit.
- (b) The packing marking shall show the description of quantity of contents, the name of the consignee and address, the gross weight and distinctive number of mark sufficient for purpose of identification. Each package shall contain:
 - i) A packing note quoting the name of the purchaser.
 - ii) The number and date of order
 - iii) Nomenclature of the goods
 - iv) Schedule of parts of each complete equipment giving part number with reference to assembly.

Notwithstanding anything stated in this clause, the supplier shall be entirely responsible for loss, damage, deterioration, depreciation of the goods due to faulty packing.

32. THE GOODS MUST BE SHIPPED THROUGH OUR NOMINATED FREIGHT FORWARDER INDICATED IN LETTER OF CREDIT AND SUPPLY ORDER.

33. PREPARATION AND DELIVERY OF TENDER

Tender documents must be signed by the tenderers in full along with their stamp.

34. Arbitration

If, at any time, any question, dispute or difference whatever shall arise between the two parties (AIIMS on the one hand and vendor on the other hand) in relation to the purchase either of the parties may give to the other notice in writing of the existence of such a question, dispute or difference and the same

shall be referred to two arbitrators, one to be nominated by the Director, AIIMS, and the other to be nominated by the firm. Such a notice of the existence of any question, dispute or difference in connection with this purchase shall be served by either party within 30 days of the beginning of such dispute failing which all rights and claims shall be deemed to have been forfeited and absolutely barred.

Before proceeding with the reference the arbitrators shall appoint/nominate an Umpire. In the event of the arbitrators not agreeing in their award the Umpire appointed by them shall enter upon the reference and his award shall be binding on the parties. The venue of the arbitrator shall be at AIIMS. The provision of the Indian Arbitration and Reconciliation Act 1996 and of rules framed if under and any statutory modification thereof shall be deemed to apply and be incorporated for the supply, installation and commissioning etc.

Upon every or any such reference, the cost of any incidents to the reference and award(s) respectively shall be at the discretion of the arbitrators or in the event of their not agreeing, of the Umpire appointed by them who may determine the amount thereof or direct the same to be fixed as between solicitors and client or as between parties and shall direct by whom and in what manners the same shall be borne and paid.

35. Jurisdiction

The courts at Delhi will have the jurisdiction to try any matter, dispute or reference between the parties arising out of the contract. It is specifically agreed that no court outside and other than Court shall have jurisdiction in the matter.

36. Force Majeure

Any failure of omission or commission to carry out the provision of the contract by the supplier shall not give rise to any claim by any party, one against the other, if such failure of omission or commission arises from an act of God, which shall include all acts of natural calamities such as fire, flood, earthquake, hurricane or any pestilence or from civil strikes, compliance with any statute and/or regulation of the Government, lockouts and strikes, riots, embargo or from any political or other reasons beyond the supplier's control including war (Whether declared or not) civil war or state or insurrection, provided that notice of the occurrence of any event by either party to the other shall be given within two weeks from the date of occurrence of such an event which could be attributed to Force Majeure conditions.

The Institute reserves the right to accept or reject in whole or in part any or all the quotations received without assigning any reasons thereof.

37. Termination for Insolvency

The purchaser may at any time terminate the contract by giving written notice to the supplier, without compensation to the suppliers, if the supplier becomes bankrupt or otherwise insolvent (which events shall of themselves be a breach of the contract on the part of the supplier), provided such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the purchaser.

38. Termination for Convenience

The purchaser, may by written notice sent to the supplier terminate the contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of work under the contract is terminated becomes effective.

The goods that are complete and ready for shipment within 30 days after the supplier's receipt of notice of termination shall be purchased by the purchaser at the contract terms and prices. For remaining goods the purchaser may elect.

- a) To have any portion completed and delivered at the contract terms and prices; and/or
- b) To cancel the remainder

39. Government Language

The contract shall be written in the language of the Bid (English Language) as specified by the Purchaser. All correspondence and other documents pertaining to the contract shall be in English.

40. Operation

The firm should be responsible for running the system for at least one year or till such time our staff is trained to handle the system. Training of the staff will be responsibility of the firm at the expense of the firm.

41. Operation:

The firm should provide uptime guarantee of 95%.

42. Downtime penalty Clause

42.1 During the comprehensive warranty period, the guarantee uptime of 95% of 365 days will be ensured. In case the down time exceeds the 5% limit penalty of extension of guaranty period by two days for each additional day of down time will be enforced. The vendor must undertake to supply all spares for optimal upkeep of the equipment for at least FIVE YEARS after handing over the unit to the Institute. If accessories/other attachment of the system are procured from the third party, then the vendor must produce cost of accessory/other attachment and the AMC from the third party separately along with the main offer and the third party will have to sign the AMC with the Institute if required.

42.2 The principals or their agents are required to submit a certificate that they have satisfactory service arrangements and fully trained staff available to support the uptime guarantee.

SPECIAL TERMS AND CONDITIONS FOR TENDER SUBMISSION

1. The tenderer should have been in this business for a period of at least two years in the country in relation to the type of equipment/drugs for which the quotations/tenders are being submitted.
2. A proof of ownership/partnership etc. shall be submitted along with verification of address, telephone & fax numbers.
3. The attested copies of latest Income tax clearance certificate and sales tax certificate, if applicable, should be submitted in absence of which tender shall be rejected.
4. The tenderer should submit statement of financial standing from their bankers. The name of the bank along with full address is to be furnished.
5. The supplier should submit a statement of overall turnover for the previous three years. If applicable a copy of the applicants annual report and accounts for each of the last three years should also be submitted.
6. The tenderer is also required to submit performance report from other similar organizations where the firm is registered for supply and erection of similar projects of hospital equipments/System. He will also submit list of organizations where the System has been Installed by the firm in the last two years.
7. The tenderer has to give a certificate that the firm has not been blacklisted in the past by any Institution - Government/Private.
8. The tenderer is also requested to submit authority letter from manufacturers/principals of supplying equipment /drugs without which tender will not be considered.
9. The tenderer/supplier has to give an affidavit on a non-judicial stamp paper that there is no vigilance/CBI case pending against the firm/supplier.
10. If the tenderer gives a false statement on any of the above information the firm/supplier will not be considered and their quotation/tender shall be rejected and the security deposited shall be forfeited.
11. The Institute will have the right to reject any tender without assigning any reason.
12. The manufacturer should submit all the quotations directly or through their authorized distributor provided the manufacturer accepts responsibility for any lapse on the part of distributor and authorization certificate must be enclosed.
13. Quality assurance certification like ISO 9000 series should be enclosed wherever applicable.

To be enclosed with Techno-Commercial BidANNEXURE-ABIDDER PARTICULARS

Bidder Serial Number Allotted on Tender Document:_____

1. Name of the Bidder :
2. Address of the Bidder :
3. Name of the Manufacturer (s) :
2. Address(es) of the Manufacturer :
2. Name and address of the person :

To whom all references shall be
Made regarding this tender inquiry.

Telephone :

Telex :

Fax :

e-mail address :

Witness :

Signature

Name

Address

Date

Signature

Name

Designation

Company

Date

Company Seal

To be enclosed with Techno-Commercial Bid

ANNEXURE-B

BID FORM

Dated:

To,

Sir,

Having examined the Bidding Documents of Tender No. _____ undersigned offer to supply, install, commission, operate maintain _____ and we undertake, if our bid is accepted, to complete delivery of all the items specified in the contract within _____ weeks calculated from the date of receipt of your Notification of Award and to complete the installation, testing commissioning.....

Signature and Seal

.....

(In the capacity of)

Only Authorized to sign bid for and on behalf of.....

To be enclosed with Techno-Commercial Bid

ANNEXURE-C

BIDDER PROFILE

A. General Information:

- (i) Location of Corporate Headquarters :
 (ii) Date and Country of Incorporation :
 (iii) Manufacturing Facility (S)
 Location
 Size
 Capacity
 (IV) No. of Service Facility(S) in India
 Location
 Strength
 Area Covered
 (V) Average yearly turnover for last three years:
 (VI) Geographical Distribution of the Supplier :
 No. of Offices
 Locations
 Staff strength
 (VII) Total No. of installations of the system offered.
 (VIII) No. of Employees
 Total No. Manufacturing R&D (If any)
 Hardware Maintenance
 Software

B. Reference of Major installation with similar products (attach documents in support, if available)

			S. No.
Customer Name, Address	Product Description		
Telephone Fax Number	(No. of	Machines	installation year wise)
<hr/>			
 <hr/>			

Date.....

Signature and seal of bidder

To be enclosed with Techno-Commercial Bid

ANNEXURE-D

PROFORMA FOR AUTHORITY FROM MANUFACTURERS

No.....

Dated.....

To,

Dear Sir,

Sub: Tender No.....

We..... An established and reputed manufacturers of having factories at.....and office at M/s.....

(Name and Address of the Authorized representative) to represent us, to tender, negotiate and conclude the contract on our behalf with; you against Tender no.....

No company/firm or individual other than M/s..... are authorized to represent us in regard to this business against this specific tender.

Yours faithfully,

Signature and seal

Name.....

For & on behalf of M/s

.....
(Name of Manufacturers)

Note: This letter of authority should be on the letter head of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the manufacturers.

To be enclosed with Techno-Commercial BidANNEXURE-EPROFORMA OF GUARANTEE FOR SUPPLY OF SPARES DURING POST WARRANTY PERIOD

To

Dear Sir,

In consideration of the (hereinafter referred to as "Purchaser" which expression shall unless repugnant to the context or meaning thereof include its successors, administrators and assignees) having awarded to M/s..... with its Registered/Head office at (hereinafter referred to as the "Supplier" which expression shall unless repugnant to the context or meaning thereof, include its successors, administrators, executors and assignees), a contract by issue of the Purchaser's letter of Award no..... dated entering into a formal contract to that effect with the Purchaser on vide agreement dated..... (hereinafter referred to as the contract).

We the supplier hereby give a guarantee for the supply of all necessary spares demanded for the routine and emergency maintenance of being supplied by us to for a period of not less than 5 years after the warranty period of 5 years and life time spares thereafter in case asked for by the purchaser.

We further clarify that for the first 5 years i.e. warranty period of 5 years, we are covered by the warranty clause as mentioned. For the remaining period of 5 Years and thereafter for the life time, a detailed list of spares will be supplied to the purchaser for the purpose of enabling him to decide spares needed for routine and emergency maintenance.

Dated..... day of.....20.....

Witness :

(Name of manufacturers)

Signature and Seal

(Signature)

Name :

For & on behalf of M/s

SECTION – XV
LIST OF SCHEDULED BANKS

a. Nationalized Banks

1. Allahabad Bank
2. Andhra Bank
3. Bank of Baroda
4. Bank of India
5. Bank of Maharashtra
6. Canara Bank
7. Central Bank of India
8. Corporation Bank
9. Dena Bank
10. Indian Bank
11. Indian Overseas Bank
12. New bank of India
13. Oriental Bank of Commerce
14. Punjab National Bank
15. Punjab & Sindh Bank
16. Syndicate Bank
17. Union Bank
18. UCO Bank
19. United Bank of India
20. Vijaya Bank

b. State Bank of India and its Associated Banks

21. State Bank of India
22. State Bank of Bikaner & Jaipur
23. State Bank of Hyderabad
24. State Bank of Indore
25. State Bank of Mysore
26. State Bank of Patiala
27. State Bank of Saurashtra
28. State Bank of Travancore

c. Private Sector Banks

29. Bank of Madura Ltd., Madurai
30. Bank of Rajasthan Ltd., Udaipur
31. Bareilly Corporation Bank Ltd., Bareilly
32. Banares State Bank Ltd., Banares
33. Bharat overseas Bank Ltd., Madras
34. Catholic Syrian Bank Ltd., Trichur
35. Dhanalakshmi Bank Ltd., Alwaye
36. Jammu & Kashmir Bank Ltd., Srinagar
37. Federal Bank Ltd., Alwaye
38. Karnataka Bank Ltd., Mangalore
39. Karur Vysya Bank Ltd.,

40. City Union Bank Ltd.,
41. Lakshmi Vikas Bank Ltd.,
42. Lord Krishna Bank Ltd., Kodangallur
43. Nainital Bank Ltd., Nainital
44. Nedungadi Bank Ltd.,
45. Punjab Co-operative Bank Ltd., Amritsar
46. Ratnakar Bank Ltd.,
47. Sangli Bank Ltd.,
48. South Indian Bank Ltd., Trichur
49. Tamilnadu mercantile Bank Ltd.
50. United Western Bank Ltd.,
51. Vysya Bank Ltd., Bangalore

d. Foreign Banks

52. ABN Amro Bank N.V.
53. American Express Bank Ltd.,
54. Bank of American National Trust
55. Banque Nationale de Paris
56. Bank of Tokyo Ltd.
57. British Bank of the Middle East
58. Standard Chartered bank
59. Citi Bank N.A.
60. ANZ Grindlays Bank Ltd.,
61. The Sakura Bank Ltd.,
62. Sonali Bank
63. Deutscha bank A.G.
64. Bank of Oman Ltd.,
65. Abu Dhabi Commercial Bank Ltd.,
66. Banque Indosuez
67. Bank of Nova Scotia, Toronto
68. Societe General, Paris
69. Oman International Bank, S.A.G.O.
70. Bank of Baharain and Kuwait (B.S.C.)
71. Hongkong & Shanghai Banking Corporation Ltd.
72. Credit
73. Barelays Bank P/c.
74. Sanwa Bank, Tokyo

e. Non-Scheduled Bank

75. Kashi Nath Seth Bank Ltd.
76. Bari Poab Bank Ltd.
77. General Bank of Kurudwad Ltd.

The list of banks is subject to change as and when Reserve Bank of India notifies any change in the list.