



**ESIC PGIMSR AND MODEL HOSPITAL
EMPLOYEES' STATE INSURANCE CORPORATION
K.K. NAGAR, ASHOK PILLAR ROAD, CHENNAI-78**

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512-U-16-17-20/Hospital Equipments/P&B/14-15

Date: 11/05/2015

RE-TENDER NOTICE

Sealed and superscribed item wise tenders in Single bid and Double bid systems are re-invited from manufacturers / authorized dealers / distributors for the supply of quality Equipments / Instruments for the departments of General Surgery, Anesthesia, and O&G of ESIC Hospital, K.K. Nagar, Chennai - 78.

Detailed information regarding the items, application / tender forms, EMD, specifications, terms & conditions can be downloaded from the websites: www.esicmcpgimsrchennai.ac.in/www.esic.nic.in/www.esichennai.org/www.eprocure.gov.in
Those who have responded to the earlier tender (006/Equipment/2014-15,dated:19/03/2015) need not submit their bids afresh.

The EMD amount & application fee should be enclosed in a separate cover along with the tender documents.

Date and Time for submission of Tender:

LAST DATE FOR RECEIPT OF TENDER	DATE AND TIME FOR OPENING OF TENDER
02.06.2015 - 11.00 A.M.	02.06.2015- 11.30 A.M.

If the date of opening of tender happens to be a holiday, the tender will be opened on the next working day. Tender documents duly completed should be dropped on or before the date and time mentioned above in the tender box kept at the First floor of ESIC Hospital, K.K. Nagar, Chennai -78.

The undersigned reserves the right to accept or reject any or all the bids without assigning any reason at any stage.

MEDICAL SUPERINTENDENT

TENDER DOCUMENT

Sealed tenders are invited by Medical Superintendent, ESIC Hospital K.K. Nagar, Chennai - 78 for the supply of following items. ***Those who have responded to the earlier tender (006/Equipment/2014-15, dated: 19/03/2015) need not submit their bids afresh.***

Sl.No	Name of the Item	Qty	EMD (in Rs.)	Cost of Application (in Rs.)
GROUP - A (DOUBLE BID SYSTEM)				
DEPARTMENT OF GENERAL SURGERY				
1	Laparoscopy Trocars and Hand Instruments	1	14175	250
2	Laparoscopy Set	1	69300	250
DEPARTMENT OF ANAESTHESIA				
3	O.T.Table (Hydraulic)	2	9000	250
GROUP - B (SINGLE BID SYSTEM)				
DEPARTMENT OF O & G				
4	Laparoscopic aspiration needle-size 18	1	300	250

ANNEXURE- I

**TENDER FOR THE SUPPLY OF EQUIPMENTS
REQUIRED FOR USE IN THE ESIC HOSPITAL, K.K. NAGAR, CHENNAI, TAMIL NADU**

To

The Medical Superintendent
ESIC Hospital
KK Nagar
Chennai 78.

Sir,

Sub: Forwarding of Tender documents for Equipments -Reg.

We have pleasure in submitting our tender for

We enclose herewith a Demand Draft No. _____ Dt. _____ for
Rs. _____ drawn in favour of the Medical Superintendent ,ESIC Hospital,
K.K.Nagar,Chennai 78 towards Earnest money Deposit.

We bind ourselves to the conditions prescribed in the Tender Notification.

We agree to have the Earnest money forfeited in case of failure in full or part to
undertake the contract upon the acceptance of this tender.

OFFICE SEAL:

SIGNATURE:

DESIGNATION:

NAME & ADDRESS:

Annexure- II

TERMS AND CONDITIONS FOR THE SUPPLY OF HOSPITAL EQUIPMENTS/INSTRUMENTS TO THE MEDICAL SUPERINTENDENT, K.K.NAGAR, CHENNAI-78.

1. The sealed envelope containing the completed tender superscribed as "TENDER FOR THE SUPPLY OF" (name of the equipment) should be addressed to The Medical Superintendent, ESIC Hospital, K.K.Nagar, Chennai-78, will be received upto the date and time stipulated. For Sl.No. 3 to 18, those who have responded to the earlier tender (004/Equipment/2014-15, dated:06/01/2015) need not submit their bids afresh.

2. FOR SINGLE BID SYSTEM

The sealed envelope containing the completed tender superscribed as "SINGLE BID TENDER FOR THE SUPPLY OF EQUIPMENTS / INSTRUMENTS _____ (Name of the Equipment) for the Department of _____ (Name of the department) Due on _____ (Last date of submission)" should be addressed to The Medical Superintendent, ESIC Hospital, K.K.Nagar, Chennai - 78.

3. FOR DOUBLE BID SYSTEM:

The sealed envelope containing the completed tender superscribed as "TECHNICAL BID FOR THE SUPPLY OF EQUIPMENTS /INSTRUMENTS _____ (Name of the Equipment) for the Department of _____ (Name of the department) Due on _____ (Last date of submission) on the first envelope and

" PRICE BID FOR THE SUPPLY OF EQUIPMENTS/INSTRUMENTS _____ (Name of the Equipment) for the Department of _____ (Name of the department) Due on _____ (Last date of submission)" on the second envelope.

Both the envelopes are again to be sealed and put in a single envelope superscribing "TENDER FOR _____ (Name of the Equipment) Due on _____ (Last date of submission) should be addressed to The Medical Superintendent, ESIC Hospital, K.K.Nagar, Chennai -78.

4. Postal delays if any will not be condoned.

5. Tenders will be opened at Conference hall- Third Floor, ESIC Hospital, K.K.Nagar, Chennai-78. on the stipulated date & time in the presence of the tenderers / representatives who choose to be present.

6. The two part bids i.e. Techno-commercial(Unpriced Bid) and Price bid prepared by the Bidder shall comprise the following:

(A). Techno -commercial Bid (Unpriced Bid): This should include the following:

- Bid Security (EMD) and Cost of tender document should be furnished in accordance with instructions.
- Detailed technical specification of items quoted along with catalogue / literature, make and model of the equipments offered without indicating price.
- Statements of Deviations from tendered commercial conditions, if any.
- Statement of deviations parameter wise from tendered specifications, if any.
- Authority letter from manufacturer, in case bid is submitted by agents.
- Bidders have to indicate the name and address of the bankers.
- Documentary evidence that the goods and ancillary to be supplied by the bidder are eligible goods and services and conform to the bidding documents.

(B) Price Bid:

- The information given at Techno commercial bid should be reproduced in price bid with prices indicated. Any deviation in this regard will render the bid liable for rejection.
- Rates should be typed in words as well as in figures, free from erasing, cutting and overwriting.
- Price quoted should match with the items quoted in technical bid.
- Each and every page of the quotation should be separately numbered and duly signed.
- In case the price quoted cannot be matched with the items/quoted in technical bid, the bid shall be liable to be rejected.
- **The quoted price should be all inclusive lump sum price offered for each item including cost of the equipment, freight, Insurance, transit insurance, packing forwarding etc., and including charges for installation and commissioning with all men and material required for the same and including charges for the quoted warranty period. Rates and Sales Tax/VAT must be quoted separately.**
- **The rates quoted should be F.O.R ESIC Hospital, K.K. Nagar, Chennai - 78. No other charges in addition will be payable on any account over and above the lump sum price quoted in the price bid. The rates quoted in ambiguous terms such as "Freight on actual basis" or " Taxes as applicable extra" or "Packing forwarding extra" will render the bid liable for rejection.**
- In the two-bid system, only Techno-commercial bid (un-priced bid) will be opened first on the date mentioned in the presence of bidders who choose to be present. The price bid of the firm whose equipment is technically viable fulfilling the specifications and all other conditions alone will be considered for evaluation.
- A certificate that the quoted items have not been supplied to any other organization/institution at a rate, lower than quoted here should be enclosed.
- For imported goods, the price quoted shall not be higher than the lowest price charges by the tenderer for the goods of the same nature, class or description to a purchaser, domestic or foreign or to any organisation or department of Govt. of India.
- If it is found at any stage that the goods as stated have been supplied at a lower price, then that price, with due allowance for elapsed time will be applicable to the present case and the difference in cost would be refunded by the supplier to the purchaser, if the contract has already been concluded.

7. **Tender currencies:**

- The tenderer supplying indigenous goods shall quote only in Indian Rupees.

8. **Bid Security (EMD)**

Each tender must be accompanied by a EMD as mentioned against the equipment in the form of Demand Draft only drawn in favour of **The Medical Superintendent, ESIC Hospital, K.K.Nagar, Chennai-78, payable at Chennai**. The tenders not accompanied by EMD is liable for rejection. For EMD exemption, if any, necessary documents for exemption should be submitted, otherwise tender will be liable for rejection. Advance Stamp Receipt for the refund of EMD should be enclosed with the tender document.

9. The quotation should be type written and every correction in the tender should invariably be attested by full signature by the tenderer with date before submission of the tenders to the authorities concerned failing which the tender is liable for rejection.
10. Either the authorized Indian agent on behalf of the principal/OEM or principal/OEM himself can bid but both cannot bid simultaneously for the same item/product in the same tender.
11. If an agent submits bid on behalf of the principal/OEM, the same agent shall not submit a bid on behalf of another principal/OEM in the same tender for same item/product.
12. Copies of Purchase Order for having supplied the quoted equipment to Government Hospitals/ reputed institutions should be enclosed. The rates quoted in the purchase order should not be deleted or made illegible. A certificate duly authenticated from any other users of the equipment about satisfactory performance should also be enclosed.
13. Firms should also give a certificate that spares/ consumables/ reagents of the equipment quoted will be freely available at least for five years after warranty period.
14. The rates quoted should be valid for one year from the date of approval of the Tender and quantity mentioned is on the basis of present requirement which are to be supplied within the stipulated period mentioned in the tender. During the currency of Tender orders are to be executed by the successful Tenderer at the tender rate as per future requirements, therefore the quantity in the tender is indicative only and likely to increase.
15. Only the manufacturers or their authorized distributor/stockist would be considered for the tender..
16. Successful bidder shall not be entitled to any rate revision of price for any reason except that allowed by Government of India.
17. For the equipment where reagents, cartridge, other consumables, etc. are required the price bid must include: A) The rate list indicating the prices of the consumables prevalent on date of tendering. B) List should indicate the cost and life of consumables C) The rate for reagents, consumables etc. should remain constant for five years.
18. The equipments should be Guaranteed/ Warranted (Comprehensive) for a minimum period of three years from the date of satisfactory installation and inspection.
19. Tenderer should be able to demonstrate the product quoted by him to the Technical Evaluation Committee in Chennai within one week from the date of opening of tender.
20. The company will get only one chance for demo. In case the company fails to arrange the demo, the tender shall be liable for cancellation.
21. The date for demonstration shall be fixed with mutual consent on telephone/e-mail and the same shall be confirmed in writing or by fax. In any case not more than two weeks time shall be given to arrange for demo.
22. The successful bidder should furnish Performance Security Deposit @ 10% of the value of the contract.
23. Photocopy of latest ITR/ PAN No. should be enclosed with the completed tender.
24. Firm should undertake to enter into Annual Maintenance Contract (AMC/CAMC) for equipment as well as for accessories attached for minimum period of five years after completion of warranty period and accordingly quote the rates of AMC/CAMC for five years. The rates for AMC (Labour) should not exceed 3% and for CAMC(Comprehensive) should not exceed 10% per annum of the unit cost of the equipment. Firm should undertake to keep the equipment in running order throughout the year and in case of equipment going out of order during warranty/AMC/CAMC the fault will be attended within 24 hours and rectified within 7 days of lodging the complaint.

25. If the equipment needs calibration, the firm shall be responsible for calibration as part of CAMC/AMC.
26. The Medical Superintendent, ESIC Hospital, K.K. Nagar, Chennai-78, will be at liberty to terminate the tender proceedings without assigning any reasons thereof. The bidder will not be entitled for any compensation whatsoever in respect of such termination.
27. One copy containing terms and conditions, schedule of this tender and specification of the quoted equipment should be signed by the tenderer at the bottom of each page with the office seal duly affixed and returned along with the tender.
28. Declaration form and Company profile formats enclosed must be filled in and signed by the tenderers and enclosed along with the tender. Tenders received without the Declaration form shall not be considered.
29. No articles shall be supplied to the hospital except on requisition in writing signed by the Medical Superintendent or by an officer authorized by him/her in writing to do so.
30. The contract should not be sublet without the prior written permission of the Medical Superintendent.
31. **BIDDERS ARE FREE TO QUOTE FOR ONE OR MORE EQUIPMENTS BUT SEPARATE ENVELOPE FOR EACH EQUIPMENT SHOULD BE USED AND SEPARATE DEMAND DRAFT TOWARDS EMD FOR EACH EQUIPMENT SHOULD BE ENCLOSED, FAILING WHICH THE QUOTATION FOR THAT EQUIPMENT WILL BE TREATED AS UNRESPONSIVE AND SUMMARILY REJECTED. QUOTATIONS FOR SEPARATE EQUIPMENT BY THE SAME BIDDER SHOULD BE SUBMITTED IN SEPARATE ENVELOPE AND SHOULD NOT BE PUT IN A COMMON COVER.**
32. TENDER DOCUMENTS THAT ARE BEING SUBMITTED IN PERSON ARE TO BE DROPPED IN THE TENDER BOX KEPT IN THE FIRST FLOOR OF ESIC HOSPITAL.
33. Bidders in their own interest shall ascertain the eligibility of whatsoever concessions and exemptions are eligible and applicable to the ESIC Hospital, K.K.Nagar, Chennai and shall advise the purchaser and quote accordingly.
FOR IMPORTED ITEMS CUSTOMS DUTY EXEMPTION CERTIFICATE WILL BE ISSUED BY THE HOSPITAL AND PRICE TO BE QUOTED ACCORDINGLY. TENDERER WILL ASSIST IN OPENING OF LETTER OF CREDIT FOR AN AMOUNT OF 90% OF THE COST OF THE EQUIPMENT AND UNDERTAKE ALL THE ACTIVITIES RELATED TO RELEASE OF EQUIPMENT FROM CUSTOMS IN THE PRESENCE OF AN OFFICIAL OF ESI CORPORATION AND DELIVER THE SAME AT CENTRAL STORES ON THE SAME DAY OF RELEASE FROM CUSTOMS. ANY DEMURRAGES ON ACCOUNT OF DELAYED CLEARANCE FROM THE CUSTOMS WILL BE BORNE BY THE TENDERER. THE HOSPITAL WILL PROVIDE ALL THE DOCUMENTS NECESSARY FOR CLEARANCE FROM THE CUSTOMS AND THE SAME SHOULD BE INDICATED BY THE TENDERER.
34. **Delivery Schedule.**
Within 60 days after placement of supply order. The delivery should be at the place shown by the receiving officer within the premises of the ESIC Hospital, K.K.Nagar at the cost of the supplier. For imported items an enhanced delivery period, if required can be agreed and the same should be indicated clearly. If the successful tenderer fails to execute the supply within the stipulated period, penalty of 2 % of the value of the order will be levied for a delay of one week or part of the week subject to a maximum of up to 10%. Failure to execute the supply will lead to cancellation of supply order and the Performance security will stand forfeited.
35. The payment towards the supply is subject to receipt of inspection note/performance certificate to the effect that the items supplied are conforming to the supply order placed.

MEDICAL SUPERINTENDENT

Annexure III

COMPANY PROFILE

1. Name of the firm
2. Full Address:
3. Telegraphic Address/E-mail Id:
4. Telephone No.
5. Telex/Fax No.
6. Date of Establishment of firm:
7. Is Your Firm registered under
 1. The Indian Factories Act
 2. Companies Act
 3. Any other Act
8. Name & address of your Bankers.
Stating the name in which the
Account stands(Please give Account details)
9. Are you on the list of approved
Contractors of any other authority
(if so please give details)
10. Give details of any Govt. contract
Executed during the last 12 months
11. Are you a Manufacturer If so
Please furnish the items you
Manufacture
12. Are you a small scale industry
Registered with the appropriate
Authority.If so furnish details
13. Are your products certified by ISI?
If so furnish details
14. Any other information which you
Consider necessary to furnish

DATE

SIGNATURE:

NAME & ADDRESS:

Annexure - IV

DECLARATION FORM

Wehaving our office at.....do declare that we have carefully read all the conditions of Tender for the supply of..... and abide by all the conditions set forth therein by the Medical Superintendent, ESIC Hospital , K.K.Nagar,Chennai 78.

We further declare that wepossess valid licence bearing No.....valid upto.....

DATE:

SIGNATURE:

SEAL:

NAME & ADDRESS:

Annexure - V

From

To

The Medical Superintendent,
ESIC Hospital, K.K.Nagar,
Chennai - 600 078.

Sub: Request for refund of EMD Amount – reg.

With reference to your advertisement dated _____, we have submitted tender for _____.

In case we are not successful bidder, we request you to kindly refund the EMD amount of Rs. _____. The Cheque may be kindly be drawn in favour of _____

- Beneficiary's Name :
- Account No. :
- A/C Savings Current :
- IFSC Code No. :
- Bank Name :
- Branch Name & Address :

Yours faithfully,

(SIGNATURE & SEAL)

PRE-RECEIPT

Received on amount of Rs..... vide cheque
No..... dated..... from ESI Corporation towards refund of EMD
amount.

(SIGNATURE &SEAL)

SPECIFICATIONS FOR GROUP – A **EQUIPMENTS (DOUBLE BID SYSTEM)**

(1) SPECIFICATION FOR LAPAROSCOPY TROCARS & HAND INSTRUMENTS

(A) REUSABLE TROCARS

1. 11mm Trocar set. Should consist of a trocar with pyramidal tip and a cannula with multifunctional valve and insufflations stop-cock - 2Nos.
2. 6mm Trocar set. Should consist of a trocar with pyramidal tip and a cannula with multifunctional valve and insufflations stop-cock -2Nos.
3. 11mm Safety Trocar set. Should consist of a safety trocar and a cannula with multifunctional valve and insufflations stop-cock - 1No.
4. Reduction Sleeve Outer diameter should 11mm and inner diameter 5mm. Reusable -2Nos.
5. Veress Needle. Should be spring loaded blunt stylet with luer lock, length 10cm-1No.

(B) REUSABLE HAND INSTRUMENTS FOR LAPAROSCOPY

1. Meeryland dissecting and grasping forceps with 360 rotation, it should have connector pin for unipolar coagulation. Size 5mm and length 36cm. The complete instrument should consist of : A handle without ratchet, a insulated outer tube and a insert - 1No.
2. Reddick olsen dissecting and grasping forceps with 360 rotation, it should have connector pin for unipolar coagulation. Size 5mm and length 36cm. The complete instrument should consist of : A handle with ratchet, a insulated outer tube and a insert - 1No.
3. Grasping forceps with 360 rotation, it should have a connector pin for unipolar coagulation. Size 5mm and length 36cm. The complete instrument should consist of A handle with ratchet, a insulated outer tube and a insert - 1No.
4. Metznanbaum scissors (Blade size 12mm) curved 360 rotation and single action jaws, it should have a connector pin for unipolar coagulation. Size 5mm and length 36cm. The complete instrument should consist of A plastic handle without ratchet, a insulated outer tube and a insert - 1No.
5. Babcock's Forceps. Size 5mm and length 36cm. The complete instrument should consist of : A handle with ratchet, a insulated outer tube and a insert - 1No.
6. Suction and Irrigation cannula with lateral holes size 10mm length 36cm with two way stopcock for single hand control -1No.
7. Bipolar forceps with U-Spring handle. The complete set consisting of a inner tube, outer tube a working insert and a U-spring metal handle - 1No.
A bipolar high frequency cord for the above instrument - 1No.
8. Clip Applicator size 10mm Reusable, it should consist of a insert, metal outertube and a handle with ratchet - 1No. with Clips size Medium large for the above instrument 1 box (20 cartridges). One cartridge consisting of 6 clips.

(2) SPECIFICATION FOR LAPARASCOPE

TELESCOPE 30 DEGREE

Straightforward telescope 30° enlarged view 10mm diameter, length 31cm. Autoclavable.
Fiber optic light transmission incorporated

11mm Trocar set. Should consist of a trocar with pyramidal tip and a cannula with multifunctional valve and insufflation stop-cock **2 no's**

6mm Trocar set. Should consist of a trocar with pyramidal tip and a cannula with multifunctional valve and insufflations stop-cock **2 no's**

Reusable Endo-tip Cannula to be used without Trocar with **telescope lock** for insertion under vision size 11mm Should consist of Cannula with thread and a multifunctional valve with insufflation stopcock **1 no**

Reduction Sleeve Outer diameter should 11mm and inner diameter 5mm. Reusable- 1 No

Veress Needle. Should be spring loaded blunt stylet with luer-lock, length 10cm

REUSABLE HAND INSTRUMENTS FOR LAPARASCOPI:-

Merryland dissecting and grasping forceps with 360° rotation, it should have a connector pin for unipolar coagulation. Size 5mm and length 36cm. The complete instrument should consist of: A handle without ratchet, a insulated outer tube and a insert – 1 No

Reddick olsen dissecting and grasping forceps with 360° rotation, it should have a connector pin for unipolar coagulation. Size 5mm and length 36cm. The complete instrument should consist of: A handle with ratchet, a insulated outer tube and a insert – 1 No

Grasping forceps with 360° rotation, it should have a connector pin for unipolar coagulation. Size 5mm and length 36cm. The complete instrument should consist of A handle with ratchet, a insulated outer tube and a insert – 1 No

Metzanbaum scissors (Blade size 12mm) curved 360° rotation and single action jaws, it should have a connector pin for unipolar coagulation. Size 5mm and length 36cm. The complete instrument should consist of A plastic handle without ratchet, a insulated outertube and a insert – 1 No.

Monopolar high frequency cord - 2 No's

Dissecting cannula, L-shaped size 5mm working length 36cm – 1 No

Dissecting spatula, blunt size 5mm working length 36cm – 1 No

Suction and Irrigation cannula with lateral holes size 5mm length 36cm with two way stopcock for single hand control

360° Rotatable Bipolar Kelly Dissecting and Grasping forceps, rotating, dismantling and insulated with connector pin for bipolar coagulation. Clermont-Ferrand model. Long double action jaws, size 5mm length 36cm consisting of Ring Handle, metal outer sheath and insulated insert forceps.

Bipolar forceps with U-spring handle. The complete set consisting of a innertube, outer tube a working insert and a U-spring metal handle.

A bipolar high frequency cord for the above instrument – 1 No

Clip Applicator size 10mm Reusable, it should consist of a insert, metal outertube and a handle with ratchet - 1 No with

Clips size **Medium large** for the above instrument 1 box (20 cartridges). One cartridge consisting of 6 clips.

Fibre Optic cable 4.8mm Diameter and 250cm length.

Electronic CO 2 Insufflator

- The electronic CO2 endoflator should have a german connection with a Co2 standby empty cylinder. The power supply for the above equipment should be 100-240 VAC , 50/60 Hz.
- **The equipment should consist of :**
- Co2 equipment with mains cord, a high-pressure hose with a length of 55cm, a empty standby portable cylinder with a universal wrench. The unit must be provided with sterile disposable Co2 gas filters.
- **Special Features :-**
- The insufflation should have an excellent operational safety to the patient and the surgeon and it should be easy to use.
- The unit should be provided with clear, adjacent displays for set value and actual value easy monitoring of insuffalation process.
- It should be provided with an optical and acoustic warning signals in the event of patient over pressure with fully automatic, electronically controlled gas refill (e.g. in case of gas loss when changing instruments) and constant monitoring of the intra-abdominal pressure; any over pressure is reduced immediately.
- It should be provided with led display and digital display and the preselected patient pressure can be read either form bar indicator or from digital display. It should have the facility of increasing/decreasing the flow step by step with a maximum flow of 20 litres per minute

250 watts Halogen light source

Light source should have the following special features:

- high light intensity
- optimum light efficiency
- built in spare lamp which automatically switches on
- manual light intensity adjustment with 3 step adjustment

Light source should be easy to operate and light in weight with high light intensity and optimum light efficiency and the light intensity should be adjusted manually

Specification for Single Chip camera system.

Image sensor :	1/ 2” CCD-Chip
Picture elements :	752 (H) x 582 (V) pixels, (PAL) 768 (H) x 494 (V) pixels, (NTSC)
Resolution :	> 450 lines (horizontal)
Signal- to – noise ratio :	>50 db (PAL) >52 db (NTSC)
AGC :	+ 18 db
Min sensitivity :	3 Lux (f 1.4)
Lens :	Separate C- mount lens , f= 12 mm ,f= 25 mm, F = 30 mm, f= 38 mm.
Instrument coupling :	Coupling device for all rigid and flexible endoscopes With standard eyepiece.
Video output :	Composite signal to BNC socket, Y/C signal to S-VHS socket(2x)
Control output :	3.5 mm stereo jack plug , (ACC 1 ,ACC 2)
Camera head:	Dimensions:28mm-43mm,length 51mm. Weight: 80g
Camera cable:	length 300cm

The camera system should have a high horizontal image resolution of more than 450 lines. It should have Automatic exposure control (1 / 60s-1 / 10000s PAL)
It should be provided with automatic white balance with memory function.
The composite video must be compatible with S-VHS and this camera system should be provided with world power supply.
The camera system should be provided with 2 programmable function keys on the camera head for control of camera functions, video printer/recorder.
The camera system should have **image freeze** control from the camera head.

22” LED TV (Indian Make)

Laparoscopy Trolley with individual electrical connections (Indian Make)

***All the instruments and equipments quoted should be manufactured by the same company excluding Trolley.**

(3) O.T. TABLE SPECIFICATIONS - HYDRAULIC

OT Table should have

1. 4Sections
2. Head and Leg - pieces should be detachable easily.
3. Leg end should have split.
4. Table top should have minimum height of 765mm or less.
5. Should have vertical stroke of 250mm.
6. Sealed hydraulic mechanism.
7. Atleast 25 degree Trenlenberg and Reverse Trendlenberg, 20 degree Lateral tilt, and 80 degree back of movement with gas spring mechanism.
8. Head section should have Up and down movements.
9. Leg section 90 degree down and move sideways minimum.
- 10.90 degree Kidney bridge movement.
- 11.Heavy sturdy base.
- 12.Mounted on heavy duty casters.
- 13.Single lever foot operated brake pedal.
- 14.Minimum weight bearing of 120 Kg.
- 15.Base made of cast iron and other parts of accessories made of 304 grade stainless steel.
16. Gas spring and hydraulic system made of non rusting metal.

Accessories:

- Mattress in Sections.
- Arm board with pads and fixing clamps.(Pair)
- Pair of shoulder support with clamps.
- Padded lateral support with clamps.
- Leg crutches paddings with clamp pads.
- Anesthetic screen frame with clamps.
- Patient restraint straps.

SPECIFICATIONS FOR GROUP – B EQUIPMENTS (SINGLE BID SYSTEM)

(4) SPECIFICATIONS FOR LAPAROSCOPIC ASPIRATION NEEDLE

- Laparoscopic aspiration needle - Size 18