

# **NATIONAL TENDER ENQUIRY DOCUMENT**

**FOR PURCHASE OF MEDICAL EQUIPMENT**

**FOR**

**KALPANA CHAWLA GOVT. MEDICAL  
COLLEGE, KARNAL**

**Tender Enquiry No.:  
HSCC/KCGMC/Medical Equipment/2015-01  
Dated 11/05/2015**

**BY**



**HSCC (INDIA) LTD**

**(A GOVERNMENT OF INDIA ENTERPRISE)**

**Plot No. 6-A, Block-E, Sector-1, NOIDA (U.P.) - 201 301**

**PHONE: 0120-2540153**

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**KALPANA CHAWLA GOVT. MEDICAL COLLEGE,  
KARNAL, HARYANA  
GOVT OF HARYANA**

Tender Enquiry No.: HSCC/KCGMC/Medical Equipment/2015-01

Dated 11.05.2015

**NOTICE INVITING TENDERS (NIT) - On E-TENDER BASIS**

HSCC (India) Ltd. for and on behalf of Director General, Medical Education & Research, Panchkula, Govt. of Haryana invites **On-line bids** from eligible bidders, in single stage two bid system for Supply, Installation, Testing, Commissioning & Handing-over of various **Medical Equipments for Hospital & OPD Block at Kalpana Chawla Govt. Medical College, Karnal, Haryana:**

S. No.	Medical Equipment & Department
1.	Medical Equipment for ENT Department
2.	Medical Equipment for Ophthalmology Department
3.	Medical Equipment for Orthopaedics Department

The bidders are required to be registered at HSCC e-tender portal [www.tenderwizard.com/HSCC](http://www.tenderwizard.com/HSCC). Please log on to [www.tenderwizard.com/HSCC](http://www.tenderwizard.com/HSCC) only for downloading bid document and for participation through **E-tendering basis**. For submission and other details please refer HSCC e-tender portal [www.tenderwizard.com/HSCC](http://www.tenderwizard.com/HSCC). Bidders may also visit [www.kcgmckarnal.org](http://www.kcgmckarnal.org) for viewing the Tender Document only. For submission of the bids, the bidders are required to have Digital Signature Certificate (DSC) from the authorized Certifying Authorities.

Complete set of Bid Documents has been made available at E-Tender portal [www.tenderwizard.com/HSCC](http://www.tenderwizard.com/HSCC), [www.hsccltd.com](http://www.hsccltd.com) (URL: [www.hsccltd.co.in](http://www.hsccltd.co.in)) for downloading from **11.05.2015 to 03.06.2015**. Prospective bidders are advised to regularly visit / scan through HSCC E-tender portal [www.tenderwizard.com/HSCC](http://www.tenderwizard.com/HSCC), as corrigendum/modification/amendments etc, if any, shall only be notified on this portal and no separate advertisement / correspondences shall be made for this.

**CHIEF GENERAL MANAGER (Projects), HSCC (I) Ltd.  
For & on behalf of DGMER, Panchkula.**

**SECTION- I**

**NOTICE INVITING TENDERS (NIT)**  
 For NATIONAL TENDER ENQUIRY DOCUMENT  
**HSCC (INDIA) LTD**  
 (A GOVERNMENT OF INDIA ENTERPRISE)  
 Plot No. 6-A, Block-E, Sector-1, NOIDA (U.P.) – 201 301

**PHONE: 0120-2540153**

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**KALPANA CHAWLA GOVT. MEDICAL COLLEGE,  
 KARNAL, HARYANA  
 GOVT OF HARYANA**

**Tender Enquiry No.: HSCC/KCGMC/Medical Equipment/2015-01**

**Dated 11.05.2015**

**NOTICE INVITING TENDERS (NIT) - DETAILED - On E-TENDER BASIS**

HSCC (India) Ltd. for and on behalf of Director General, Medical Education & Research, Panchkula, Govt. of Haryana invites **On-line bids** from eligible bidders, in single stage two bid system for Supply, Installation, Testing, Commissioning & Handing-over of various **Medical Equipments for Hospital & OPD Block at Kalpana Chawla Govt. Medical College, Karnal, Haryana:**

S. No.	Medical Equipment & Department
1.	Medical Equipment for ENT Department
2.	Medical Equipment for Ophthalmology Department
3.	Medical Equipment for Orthopaedics Department

**DEPARTMENT OF ORTHOPAEDICS**

Schedule No.	Sl. No.	Name of the Article	QTY	EMD (in IRs)
1	1	Basic Instrumentation set for Fracture	2 sets	25,000/-
2	2	Small Fraqment	1	20,000/-
3	3	Large Fraqment	1	20,000/-
4	4	External Fixator	3	50,000/-
5	5	Arthroscope	1	75,000/-
6	6	Plaster room equipment (sets) with Plaster table.	2	30,000/-

## DEPARTMENT OF OPHTHALMOLOGY

Schedule No.	Sl. No.	Name of the Article	QTY	EMD (In Rs.)
		<b>(i) O.P.D</b>		
1	1	Snellen Chart / Snellen drum with or without remote control	5	20,000/-
	2	Trial set with trial frame both for adult		
	3	and children	5	
	4	Bjerrurn Screen	3	
	5	Perimeter	3	
	6	Colour vision chart	4	
	7	Near vision chart with different language	8	
	8	3 cell torch	13	
	9	Ophthalmoscope and Retinoscope	6	
		<b>COMMON EQUIPMENT - OPD</b>		
2	10	Slit lamp	3	40,000/-
3	11	Applanation tonometer	1	12,000/-
4	12	Keratometer	1	7,500/-
5	13	Indirect Ophthalmoscope	2	1,000/-
6	14	Synoptophore	1	5,000/-
7	15	Maddox Rod	1	1,000/-
	16	Maddox Winq	1	
	17	Diplopia goggles	1	
	18	Gonioscope	1	
	19	Placido disc	1	
	20	Prism Bar	1	
	21	Schoutz tonometer	3	
		<b>(ii) Major Operation theatre</b>		
8	22	<i>Operating microscope with TV} unit with camera</i>	2	1,25,000/-
9	23	Cryo Unit	2	1,000/-
10	24	Cataract Set	7	5,000/-
11	25	Glaucoma set	2	5,000/-
12	26	DCR set	2	1,000/-
13	27	Entropian set	2	15,000/-
	28	Eucleation set	2	
	29	Evisceration set	2	
14	30	Squint set	2	5,000/-
15	31	Operation Theatre Table Hydraulic	2	75,000/-

## DEPARTMENT OF ENT

Schedule No.	Sl. No.	Name of the Article	QTY	EMD (in IRs)
1	1	Nasal speculum	4	2,500/-
	2	Tonque depressor	4	
	3	Laryngeal mirrors	4	
	4	Nasopharyngeal mirrors	4	
	5	Aural speculum	4	
	6	Ear suction	2	
	7	Nasal suction	2	
	8	Suction apparatus	1	
	9	Sigeles speculum	1	
	10	Tuning fork (512 Hz)	1	
	11	Otoscope	2	
	12	Bayonet forceps	1	
	13	Bull lamp	1	
	14	Head lamp	1	
	15	Jobson Horne probe	1	
	16	Sterilizer (Electric)	2	
	17	BP apparatus	1	
	18	Stethoscope	1	
2		ENT examination chair unit	1	25,000/-
	<b>(ii) Major Operation theatre</b>			
3		Tonsillectomy and adenoidectomy	1	5,000/-
4		Set for nasal bone fracture consisting of		2,000/-
5		Septoplasty set	1	4,000/-
6		Caldwel luc set		1,000/-
7		Antrostomy set	1	2,000/-
8		<b>FESS set Consisting of</b>	2	30,000/-
9		<b>Direct laryngoscopy set</b>	1	10,000/-
10		<b>Microlaryngoscopy set</b>	1	15,000/-
11		Tyrnpanoplasty set	1	7,000/-
12		Mastoidectomy set	2	10,000/-
		Incl. Electric drill (motor, handpiece and burrs)	2	
13		Stapedectomy set	1	7,000/-
14		Oesophagoscopy set	1	5,000/-
15		Bronchoscopy set	1	5,000/-
16		Tracheostomy set	2	4,000/-
	<b>(iii) Minor Operation Theatre</b>			
17	1	I(a) Antral wash set		1,000/-
	2	Trocar	2	
	3	Canula	2	
	4	Higginsons syringe	2	

18		<b>(b) Direct laryngoscope set</b>	<b>1</b>	10,000/-
	1	laryngoscope - Anterior commissure	1	
	2	Negus	1	
	3	Lighting system	1	
	4	Biospv forceps	1	
	5	Foreign body removal forceps	1	
19	7	aural syringe	1	3,000/-
	8	Tracheostomy set	1	
	9	Intubation set	1	
	10	Cricothyrotomy set	1	
	11	Quinsy forceps	1	
	12	Laryngeal forceps	1	
	13	Aural snare	1	
	14	Aural cup forceps	1	
<b>(V) MISCELLANEOUS EQUIPMENTS</b>				
20	1	Operating microscope for Minor & major O.T.	2	1,00,000/-
21	2	Puretone audiometer	1	7,500/-
22	3	Impedance audiometer	1	5,000/-
23	4	Brainstem evoked response audiometer	1	17,000/-

1. The bidders are required to be registered at HSCC e-tender portal [www.tenderwizard.com/HSCC](http://www.tenderwizard.com/HSCC). Please log on to [www.tenderwizard.com/HSCC](http://www.tenderwizard.com/HSCC) only for downloading bid document and for participation through **E-tendering basis**. For submission and other details please refer HSCC e-tender portal [www.tenderwizard.com/HSCC](http://www.tenderwizard.com/HSCC). Bidders may also visit [www.kcgmckarnal.org](http://www.kcgmckarnal.org) for viewing the Tender Document only. For submission of the bids, the bidders are required to have Digital Signature Certificate (DSC) from the authorized Certifying Authorities.

Complete set of Bid Documents has been made available at E-Tender portal [www.tenderwizard.com/HSCC](http://www.tenderwizard.com/HSCC), [www.hsccltd.com](http://www.hsccltd.com) (URL: [www.hsccltd.co.in](http://www.hsccltd.co.in)) for downloading from **11.05.2015 to 03.06.2015**. Prospective bidders are advised to regularly visit / scan through HSCC E-tender portal [www.tenderwizard.com/HSCC](http://www.tenderwizard.com/HSCC), as corrigendum/modification/amendments etc, if any, shall only be notified on this portal and no separate advertisement / correspondences shall be made for this.

**Tender No.: HSCC/KCGMC/Medical Equipment/2015-01 Dated: 11.05.2015**

Sl. No.	Description	Schedule
i.	Dates of sale of tender enquiry documents	<b>11.05.2015 to 03.06.2015, 10:00 hrs to 14:00 hrs IST</b>
ii.	Place of sale of Tender Enquiry Documents	HSCC (India) Ltd, Plot No. 6-A, Block-E, Sector-1, Noida (U.P)- 201301
iii.	Cost of the Tender Enquiry Document	INR 5, 000/-

Sl. No.	Description	Schedule
iv.	Pre Tender Meeting Date & Time	<b>21.05.2015</b> , 14:00 hrs. IST
v.	Pre Tender Meeting Venue	Same as 2 (ii) above
Vi	Reply of pre-bid queries	<b>26.05.2015</b>
vii.	Closing date & time for receipt of Tender	<b>03.06.2015</b> , 14:30 hrs IST
viii.	Time and date of opening of Techno – Commercial tenders	<b>03.06.2015</b> , 15:00 hrs IST
Ix	Venue of Opening of Techno Commercial Tender	Same as 2 (ii)

2. Interested tenderers may obtain further information about this requirement from this office inviting the tenders.
3. The prospective bidders who have not registered can register with E-procurement system of NIC by paying necessary registration charges. The bidders may prepare a banker cheque/Draft in favour of HSCC (India) Ltd. Office at Noida, payable at Noida/Delhi and deposit it. In order to submit the bids electronically bidders are required to have type-II Digital Signature Certificate. Digital Signature can be obtained from any of the certifying agency.

The tender shall be submitted, all the necessary documents and in physical form (with respect to few documents as mentioned in the SIT) in parts/covers as mentioned below:

**A. In Original Offline & Copy Online ( In separate Envelope : Part-I)**

- (i) Tender Fee and EMD.
- (ii) Affidavit as per Section XIX.
- (iii) Performance statement along with required PO copies and its corresponding end user's satisfactory performance certificate as per section IX.
- (iv) Technical compliance for the quoted goods vis-à-vis the Technical specifications with all related brochures/catalogues in the tender enquiry

**B. Online (Part-II)**

- (i) Tender Fee and EMD.
- (ii) Power of Attorney.
- (iii) Tender Form as per section X.
- (iv) Manufacturers Authorization Form.
- (v) Affidavit as per Section XIX.
- (vi) Proforma A.
- (vii) Performance statement along with required PO copies and its corresponding end user's satisfactory performance certificate as per section IX.
- (viii) Name, address and details of account with respect to bidder and/or beneficiary of L/C. Copy of PAN. Certificate of Incorporation/Declaration being a proprietary firm.



- (ix) Audited Annual report of last 3 completed financial years (Balance sheet and Profit & Loss Account). Certificate of Regn. Issued by Directorate of Industries/NSIC, if SSI unit.
- (x) Quality Control Requirements as per Section VIII

**C. Offline (Part-III)**

- (i) Technical compliance for the quoted goods vis-à-vis the Technical specifications with all related brochures/catalogues in the tender enquiry, technical bid.

**D. Price Bid (Only online).**

- (i) Price Schedule.
- (ii) CMC Price Schedule.
- (iii) Turnkey Price Schedule

- 4. All prospective tenderers may attend the Pre Tender meeting. For all the above tender IDs, Pre-bid meeting shall be held at the address as mentioned above.
- 5. To participate in the submission against the tender, it is mandatory for the Applicants to get digital signature and get themselves registered with e-tendering system.
- 6. Complete set of Bid Documents has been made available at E-Tender portal [www.tenderwizard.com/HSCC](http://www.tenderwizard.com/HSCC), [www.hsccltd.com](http://www.hsccltd.com) for downloading. The cost the Tender Enquiry Document is **INR 5000/ which is payable in the form of Cash/Demand Draft** drawn on a scheduled bank in India in favour of **HSCC (India) Ltd.** payable at Delhi/Noida.. Tenderer may download the tender enquiry documents from the website and submit its tender online after logging in to their user ID. The bidders are required to be registered at HSCC e-tender portal [www.tenderwizard.com/HSCC](http://www.tenderwizard.com/HSCC). Please log on to [www.tenderwizard.com/HSCC](http://www.tenderwizard.com/HSCC) only for uploading its tender on-line for participation through **E-Tendering basis**. For submission and other details, please refer HSCC e-tender portal [www.tenderwizard.com/HSCC](http://www.tenderwizard.com/HSCC).
- 7. Purchaser/HSCC reserves the right to accept or reject part or fully the Tender without assigning any reasons.
- 8. Tenderers shall ensure that their tenders, complete in all respects, are submitted online and desired hard copies in original dropped in the Tender Box located at HSCC (India) Ltd., E-6A, Sector-1, Noida, U.P.-201301 on or before the closing date and time indicated above, failing which the tenders will be treated as late and rejected.
- 9. In the event of any of the above mentioned dates being declared as a holiday /closed day for the purchase organisation, the physical form of tenders will be received/opened on the next working day at the appointed time. Bidders are requested to regularly visit website [www.tenderwizard.com/HSCC](http://www.tenderwizard.com/HSCC) & [www.hsccltd.com](http://www.hsccltd.com) for corrigendum/amendments/reply to pre-bid queries etc., if any, as there shall be no separate advertisement / correspondence for the same.

**CHIEF GENERAL MANAGER (Projects), HSCC (I) Ltd.  
For & on behalf of DGMER, Panchkula.**

**SECTION - II****GENERAL INSTRUCTIONS TO TENDERERS (GIT)  
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## GENERAL INSTRUCTIONS TO TENDERERS (GIT)

### A. PREAMBLE

#### 1. Definitions and Abbreviations

1.1 The following definitions and abbreviations, which have been used in these documents shall have the meanings as indicated below:

#### 1.2. Definitions:

- (i) "Purchaser" means the organization purchasing goods and services as incorporated in the Tender Enquiry document, i.e. DGMER, Govt. Of Haryana.
- (ii) "Tender" means Bids / Quotation / Tender received from a Firm / Tenderer / Bidder.
- (iii) "Tenderer/Supplier" means Bidder/ the Individual or Firm submitting Bids / Quotation / Tender supplying the goods and services as incorporated in the contract.
- (iv) "Goods" means the instruments, machinery, equipment, medical equipment, etc. which the supplier is required to supply to the purchaser under the contract.
- (v) "Services" means services allied and incidental to the supply of goods, such as transportation, installation, commissioning, provision of technical assistance, training, after sales service, maintenance service and other such obligations of the supplier covered under the contract.
- (vi) "Earnest Money Deposit" (EMD) means Bid Security/ monetary or financial guarantee to be furnished by a tenderer along with its tender.
- (vii) "Contract" means the written agreement entered into between the purchaser and/or consignee and the supplier, together with all the documents mentioned therein and including all attachments, annexure etc. therein.
- (viii) "Performance Security" means monetary or financial guarantee to be furnished by the successful tenderer for due performance of the contract placed on it. Performance Security is also known as Security Deposit.
- (ix) "Consignee" means Director, Kalpana Chawla Govt. Medical College, Karnal/or his authorised person to whom the goods are required to be delivered as specified in the Contract. If the goods are required to be delivered to a person as an interim consignee for the purpose of despatch to another person as provided in the Contract then that "another" authorised person is the consignee, also known as ultimate consignee.
- (x) "Specification" means the document/standard that prescribes the requirement with which goods or service has to conform.
- (xi) "Inspection" means activities such as measuring, examining, testing, gauging one or more characteristics of the product or service and comparing the same with the specified requirement to determine conformity.
- (xi) "Day" means calendar day.
- (xii) "HSCC" shall mean HSCC (I) Ltd. having its corporate office at E-6(A), Sector-I, NOIDA-201301 appointed by DGMER, Panchkula as a Consultant for the Project.
- (xiii) "HPHC" (Haryana Police Housing Corporation) having its office at C-10, Sector 6, Panchkula, Haryana shall mean the third consultant appointed by client for various quantity & quality control as well as supervision of the Project on behalf of client to safeguard the interests of the client in respect of the Project.

### 1.3 Abbreviations:

- (i) "TE Document" means Tender Enquiry Document
- (ii) "NIT" means Notice Inviting Tenders.
- (iii) "GIT" means General Instructions to Tenderers
- (iv) "SIT" means Special Instructions to Tenderers
- (v) "GCC" means General Conditions of Contract
- (vi) "SCC" means Special Conditions of Contract
- (vii) "DGS&D" means Directorate General of Supplies and Disposals
- (viii) "NSIC" means National Small Industries Corporation
- (ix) "PSU" means Public Sector Undertaking
- (x) "CPSU" means Central Public Sector Undertaking
- (xi) "LSI" means Large Scale Industry
- (xii) "SSI" means Small Scale Industry
- (xiii) "LC" means Letter of Credit
- (xiv) "DP" means Delivery Period
- (xv) "BG" means Bank Guarantee
- (xvi) "ED" means Excise Duty
- (xvii) "CD" means Custom Duty
- (xviii) "VAT" means Value Added Tax
- (xix) "CENVAT" means Central Value Added Tax
- (xx) "CST" means Central Sales Tax
- (xxi) "RR" means Railway Receipt
- (xxii) "BL" means Bill of Lading
- (xxiii) "FOB" means Free on Board
- (xxiv) "FCA" means Free Carrier
- (xxv) "FOR" means Free On Rail
- (xxvi) "CIF" means Cost, Insurance and Freight
- (xxvii) "CIP (Destinations)" means Carriage and Insurance Paid up to named port of destination. Additionally the Insurance (local transportation and storage) would be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery.
- (xxviii) "DDP" means Delivery Duty Paid named place of destination (consignee site)
- (xxix) "INCOTERMS" means International Commercial Terms as on the date of Tender Opening
- (xxx) "CMC" means Comprehensive maintenance Contract (labour, spare and preventive maintenance)
- (xxxi) "RT" means Re-Tender.

## 2. Introduction

- 2.1 The Purchaser has issued these TE documents for purchase of goods and related services as mentioned in Section – VI – "List of Requirements", which also indicates, *interalia*, the required delivery schedule, terms and place of delivery.
- 2.2 This section (Section II - "General Instruction Tenderers") provides the relevant information as well as instructions to assist the prospective tenderers in preparation and submission of tenders. It also includes the mode and procedure to be adopted by the purchaser for receipt and opening as well as scrutiny and evaluation of tenders and subsequent placement of contract.
- 2.3 The tenderers shall also read the Special Instructions to Tenderers (SIT) related to this purchase, as contained in Section III of these documents and follow the same

accordingly. Whenever there is a conflict between the GIT and the SIT, the provisions contained in the SIT shall prevail over those in the GIT.

- 2.4 Before formulating the tender and submitting the same to the purchaser, the tenderer should read and examine all the terms, conditions, instructions, checklist etc. contained in the TE documents. Failure to provide and/or comply with the required information, instructions etc. incorporated in these TE documents may result in rejection of its tender.

### **3. Availability of Funds**

- 3.1 Expenditure to be incurred for the proposed purchase will be met from the funds available with the purchaser/consignee.

### **4. Language of Tender**

- 4.1 The tender submitted by the tenderer and all subsequent correspondence and documents relating to the tender exchanged between the tenderer and the purchaser, shall be written in the English language, unless otherwise specified in the Tender Enquiry. However, the language of any printed literature furnished by the tenderer in connection with its tender may be written in any other language provided the same is accompanied by an English translation and, for purposes of interpretation of the tender, the English translation shall prevail.

- 4.2 The tender submitted by the tenderer and all subsequent correspondence and documents relating to the tender exchanged between the tenderer and the purchaser, may also be written in the Hindi language, provided that the same are accompanied by English translation, in which case, for purpose of interpretation of the tender etc, the English translations shall prevail.

### **5. Eligible Tenderers**

- 5.1 This invitation for tenders is open to all suppliers who fulfil the eligibility criteria specified in these documents.

### **6. Eligible Goods and Services**

- 6.1 All goods and related services to be supplied under the contract shall have their origin in India or any other country with which India has not banned trade relations. The term "origin" used in this clause means the place where the goods are mined, grown, produced, or manufactured or from where the related services are arranged and supplied.

### **7. Tendering Expense**

- 7.1 The tenderer shall bear all costs and expenditure incurred and/or to be incurred by it in connection with its tender including preparation, mailing and submission of its tender and for subsequent processing the same. The purchaser will, in no case be responsible or liable for any such cost, expenditure etc regardless of the conduct or outcome of the tendering process.

## **B. TENDER ENQUIRY DOCUMENTS**

### **8. Content of Tender Enquiry Documents**

- 8.1 In addition to Section I – "Notice inviting Tender" (NIT), the TE documents include:

- 8.1 In addition to Section I – "Notice inviting Tender" (NIT), the TE documents include:

- Section II – General Instructions to Tenderers (GIT)
- Section III – Special Instructions to Tenderers (SIT)

- Section IV – General Conditions of Contract (GCC)
- Section V – Special Conditions of Contract (SCC)
- Section VI – List of Requirements
- Section VII – Technical Specifications
- Section VIII – Quality Control Requirements
- Section IX – Qualification Criteria
- Section X – Tender Form
- Section XI – Price Schedules
- Section XII – Questionnaire
- Section XIII – Bank Guarantee Form for EMD
- Section XIV – Manufacturer's Authorisation Form
- Section XV – Bank Guarantee Form for Performance Security/CMC Security
- Section XVI – Contract Forms A & B
- Section XVII – Proforma of Consignee Receipt Certificate
- Section XVIII – Proforma of Final Acceptance Certificate by the consignee
- Section XIX – Affidavit
- Section XX – Check List
- Section XXI – Consignee

8.2 The relevant details of the required goods and services, the terms, conditions and procedure for tendering, tender evaluation, placement of contract, the applicable contract terms and, also, the standard formats to be used for this purpose are incorporated in the above-mentioned documents. The interested tenderers are expected to examine all such details etc to proceed further.

## **9. Amendments to TE documents**

- 9.1 At any time prior to the deadline for submission of tenders, the purchaser may, for any reason deemed fit by it, modify the TE documents by issuing suitable amendment(s) to it.
- 9.2 Such an amendment will be notified in the referred website only.
- 9.3 In order to provide reasonable time to the prospective tenderers to take necessary action in preparing their tenders as per the amendment, the purchaser may, at its discretion extend the deadline for the submission of tenders and other allied time frames, which are linked with that deadline.

## **10. Clarification of TE documents**

- 10.1 A tenderer requiring any clarification or elucidation on any issue of the TE documents may take up the same with the purchaser in writing on or before the due date of pre-bid meeting. No queries will be entertained later on. The purchaser will respond in writing to such request as per the schedule.

## **C. PREPARATION OF TENDERS**

### **11. Documents Comprising the Tender**

- 11.1 The bids shall be submitted online and in physical form in three parts/covers as mentioned below:
- (i) Tender Fee, EMD, Pre-qualification as per Tender Terms and referred in checklist at section XX and as mentioned in para A below.
  - (ii) Technical Bid

(iii) Price Bid (Only online).

Tenderers are requested not to submit the hard copy of Price Bid along with the physical form of tender. In case the hard copy of price bid is submitted in physical form, the tender shall be straightway rejected. Also, uploading of the price bid in prequalification bid or technical bid will result in rejection of the tender.

**A) Techno – Commercial Tender (Un priced Tender)**

- i) Earnest money furnished in accordance with GIT clause 19.1 alternatively, documentary evidence as per GIT clause 19.2 for claiming exemption from payment of earnest money.
- ii) Tender Form as per Section X (without indicating any prices).
- iii) Documentary evidence, as necessary in terms of clauses 5 and 17 establishing that the tenderer is eligible to submit the tender and, also, qualified to perform the contract if its tender is accepted.
- iv) Tenderer/Agent who quotes for goods manufactured by other manufacturer shall furnish Manufacturer's Authorisation Form.
- v) Power of Attorney in favour of signatory of TE documents.
- vi) Documents and relevant details to establish in accordance with GIT clause 18 that the goods and the allied services to be supplied by the tenderer conform to the requirement of the TE documents.
- vii) Performance Statement as per section IX along with relevant copies of orders and end users' satisfaction certificate/Installation Reports.
- viii) Certificate of Incorporation in the country of origin.

**B) Price Tender:**

1. Prices are to be quoted in the attached Price Bid format online as per the directions on the official website.
2. The price should be quoted for the accounting unit indicated on the website.

The bidder shall not submit hard copy of financial bid otherwise his tender shall be straightway rejected. Also, uploading the price bid in prequalification bid or technical bid will result in rejection of the tender.

**Note:**

It is the responsibility of tenderer to go through the TE document to ensure furnishing all required documents in addition to above, if any.

- 11.2 A person signing (manually or digitally) the tender form or any documents forming part of the contract on behalf of another shall be deemed to warrantee that he has authority to bind such other persons and if, on enquiry, it appears that the persons so signing had no authority to do so, the purchaser may, without prejudice to other civil and criminal remedies, cancel the contract and hold the signatory liable for all cost and damages
- 11.3 A tender, which does not fulfil any of the above requirements and/or gives evasive information/reply against any such requirement, shall be liable to be ignored and rejected.
- 11.4 Tender sent by fax/telex/cable/electronically shall be ignored.



**12. Tender currencies**

- 12.1 The tenderer supplying indigenous goods or already imported goods shall quote only in Indian Rupees.
- 12.2 For imported goods if supplied directly from abroad, prices shall be quoted in any freely convertible currency say US Dollar, Euro, GBP or Yen. As regards price(s) for allied services, if any required with the goods, the same shall be quoted in Indian Rupees only if such services are to be performed /undertaken in India. Commission for Indian Agent, if any and if payable shall be indicated in the space provided for in the price schedule and will be payable in Indian Rupees only.
- 12.3 Tenders, where prices are quoted in any other way shall be treated as non -responsive and rejected.

**13 Tender Prices**

- 13.1 The Tenderer shall indicate on the Price Schedule provided under Section XI all the specified components of prices shown therein including the unit prices and total tender prices of the goods and services it proposes to supply against the requirement. All the columns shown in the price schedule should be filled up as required. If any column does not apply to a tenderer, same should be clarified as "NA" by the tenderer.
- 13.2 If there is more than one schedule in the List of Requirements, the tenderer has the option to submit its quotation for any one or more schedules and, also, to offer special discount for combined schedules. However, while quoting for a schedule, the tenderer shall quote for the complete requirement of goods and services as specified in that particular schedule.
- 13.3 The quoted prices for goods offered from within India and that for goods offered from abroad are to be indicated separately in the applicable Price Schedules attached under Section XI. Bidders must quote the prevailing taxes and duties as applicable.
- 13.4 While filling up the columns of the Price Schedule, the following aspects should be noted for compliance:
- 13.4.1 For domestic goods or goods of foreign origin located within India, the prices in the corresponding price schedule shall be entered separately in the following manner:
- a) the price of the goods, quoted ex-factory/ ex-showroom/ ex-warehouse/ off-the-shelf, as applicable, including all taxes and duties like sales tax, CST VAT, CENVAT, Custom Duty, Excise Duty etc. already paid or payable on the components and raw material used in the manufacture or assembly of the goods quoted ex-factory etc. or on the previously imported goods of foreign origin quoted ex-showroom etc;
  - b) any sales or other taxes and any duties including excise duty, which will be payable on the goods in India if the contract is awarded;
  - c) charges towards Packing & Forwarding, Inland Transportation, Insurance (local transportation and storage) would be borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery, Loading/Unloading and other local costs incidental to delivery of the goods to their final destination as specified in the List of Requirements and Price Schedule;
  - d) the price of Incidental Services, as mentioned in List of Requirements and Price Schedule;
  - e) the prices of Turnkey ( if any), as mentioned in List of Requirements, Technical Specification and Price Schedule; and
  - f) the price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.

- 13.4.2 For goods offered from abroad, the prices in the corresponding price schedule shall be entered separately in the following manner:
- a) The price of goods quoted FOB/FCA port of shipment, as indicated in the List of Requirements and Price Schedule;
  - b) the price of goods quoted CIP (name port of destination) in India as indicated in the List of Requirements, Price Schedule and Consignee List;
  - c) the charges for Insurance (local transportation and storage) would be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery. Other local costs and Incidental costs, as specified in the List of Requirements and Price Schedule;
  - d) the charges for Incidental Services, as in the List of Requirements and Price Schedule;
  - e) the prices of Turnkey ( if any), as mentioned in List of Requirements, Technical Specification and Price Schedule; and
  - f) the Total tender price of goods quoted DDP basis at consignee site in India as indicated in the List of Requirements, Price Schedule and Consignee List
  - g) the price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.

13.5 Additional information and instruction on Duties and Taxes:

13.5.1 If the Tenderer desires to ask for excise duty, sales tax/ VAT, Service Tax, Works Contract Tax etc. to be paid extra, the same must be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such duties and taxes and no claim for the same will be entertained later.

13.5.2 Excise Duty:

- a) If reimbursement of excise duty is intended as extra over the quoted prices, the supplier must specifically say so also indicating the rate, quantum and nature of the duty applicable. In the absence of any such stipulation it will be presumed that the prices quoted are firm and final and no claim on account of excise duty will be entertained after the opening of tenders.
- b) If a Tenderer chooses to quote a price inclusive of excise duty and also desires to be reimbursed for variation, if any, in the excise duty during the time of supply, the tenderer must clearly mention the same and also indicate the rate and quantum of excise duty included in its price. Failure to indicate all such details in clear terms may result in rejection of that tender.
- c) Subject to sub clauses 13.5.2 (a) & (b) above, any change in excise duty upward/downward as a result of any statutory variation in excise duty taking place within contract terms shall be allowed to the extent of actual quantum of excise duty paid by the supplier. In case of downward revision in excise duty, the actual quantum of reduction of excise duty shall be reimbursed to the purchaser by the supplier. All such adjustments shall include all reliefs, exemptions, rebates, concession etc. if any obtained by the supplier.

13.5.3 Sales Tax:

If a tenderer asks for sales tax/ VAT, Service Tax and Works Contract Tax to be paid extra, the rate and nature of sales tax applicable should be shown separately. The sales tax / VAT, Service Tax and Works Contract Tax will be paid as per the rate at which it is liable to be assessed or has actually been assessed provided the transaction of sale is legally liable to sales tax / VAT, Service Tax and Works Contract Tax and is payable as per the terms of the contract. If any refund of Tax is received at a later date, the Supplier must return the amount forth-with to the purchaser.

#### 13.5.4 Octroi Duty and Local Duties & Taxes:

Normally, goods to be supplied to government departments against government contracts are exempted from levy of town duty, Octroi duty, terminal tax and other levies of local bodies. However, on some occasions, the local bodies (like town body, municipal body etc.) as per their regulations allow such exemptions only on production of certificate to this effect from the concerned government department. Keeping this in view, the supplier shall ensure that the stores to be supplied by the supplier against the contract placed by the purchaser are exempted from levy of any such duty or tax and, wherever necessary, obtain the exemption certificate from the purchaser.

However, if a local body still insists upon payment of such local duties and taxes, the same should be paid by the supplier to the local body to avoid delay in supplies and possible demurrage charges and obtain a receipt for the same. The supplier should forward the receipt obtained for such payment to the purchaser to enable the purchaser reimburse the supplier and take other necessary action in the matter.

#### 13.5.5 Customs Duty:

The Purchaser will reimburse the Customs duty wherever applicable. Supplier shall be responsible for customs clearances of the consignments.

13.6 For transportation of imported goods offered from abroad, relevant instructions as incorporated under GCC Clause 10 shall be followed.

13.7 For insurance of goods to be supplied, relevant instructions as provided under GCC Clause 11 shall be followed.

13.8 Unless otherwise specifically indicated in this TE document, the terms FCA, FOB, FAS, CIF, CIP, DDP etc. for imported goods offered from abroad, shall be governed by the rules & regulations prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, Paris

13.9 The need for indication of all such price components by the tenderers, as required in this clause (viz., GIT clause 13) is for the purpose of comparison of the tenders by the purchaser and will no way restrict the purchaser's right to award the contract on the selected tenderer on any of the terms offered.

### 14. Indian Agent

14.1 If a foreign tenderer has engaged an agent in India in connection with its tender, the foreign tenderer, in addition to indicating Indian agent's commission, if any, in a manner described under GIT sub clause 12.2 above, shall also furnish the following information:

- a) The complete name and address of the Indian Agent and its permanent income tax account number as allotted by the Indian Income Tax authority.
- b) The details of the services to be rendered by the agent for the subject requirement.
- c) Details of Service outlets in India, nearest to the consignee(s), to render services during Warranty and CMC period.
- d) Copy of the agreement between Indian Agent & their principal detailing the scope of work/services during warranty & after sales periods.

### 15. Firm Price

- 15.1 Unless otherwise specified in the SIT, prices quoted by the tenderer shall remain firm and fixed during the currency of the contract and not subject to variation on any account.
- 15.2 However, as regards taxes and duties, if any, chargeable on the goods and payable, the conditions stipulated in GIT clause 13 will apply.

**16. Alternative Tenders**

- 16.1 Alternative Tenders are not permitted.
- 16.2 However the Tenderers can quote alternate models meeting the tender specifications of same manufacturer with single EMD.

**17 Documents Establishing Tenderer's Eligibility and Qualifications**

- 17.1 Pursuant to GIT clause 11, the tenderer shall furnish, as part of its tender, relevant details and documents establishing its eligibility to quote and its qualifications to perform the contract if its tender is accepted.
- 17.2 The documentary evidence needed to establish the tenderer's qualifications shall fulfil the following requirements:
- a) in case the tenderer offers to supply goods, which are manufactured by some other firm, the tenderer has been duly authorised by the goods manufacturer to quote for and supply the goods to the purchaser. The tenderer shall submit the manufacturer's authorization letter to this effect as per the standard form provided under Section XIV in this document.
  - b) the tenderer has the required financial, technical and production capability necessary to perform the contract and, further, it meets the qualification criteria incorporated in the Section IX in these documents.
  - c) in case the tenderer is not doing business in India, it is duly represented by an agent stationed in India fully equipped and able to carry out the required contractual functions and duties of the supplier including after sale service, maintenance & repair etc. of the goods in question, stocking of spare parts and fast moving components and other obligations, if any, specified in the conditions of contract and/or technical specifications.

**18. Documents establishing Good's Conformity to TE document.**

- 18.1 The tenderer shall provide in its tender the required as well as the relevant documents like technical data, literature, drawings etc. to establish that the goods and services offered in the tender fully conform to the goods and services specified by the purchaser in the TE documents. For this purpose the tenderer shall also provide a clause-by-clause commentary on the technical specifications and other technical details incorporated by the purchaser in the TE documents to establish technical responsiveness of the goods and services offered in its tender.
- 18.2 In case there is any variation and/or deviation between the goods & services prescribed by the purchaser and that offered by the tenderer, the tenderer shall list out the same in a chart form without ambiguity and provide the same along with its tender.
- 18.3 If a tenderer furnishes wrong and/or misleading data, statement(s) etc. about technical acceptability of the goods and services offered by it, its tender will be liable to be ignored and rejected in addition to other remedies available to the purchaser in this regard.

**19. Earnest Money Deposit (EMD)**

- 19.1 Pursuant to GIT clauses 8.1 and 11.1 the tenderer shall furnish along with its tender, earnest money for amount as shown in the List of Requirements. The earnest money is required to protect the purchaser against the risk of the tenderer's unwarranted conduct as amplified under sub-clause 19.7 below.
- 19.2 The tenderers who are currently registered and, also, will continue to remain registered during the tender validity period with Directorate General of Supplies & Disposals or with National Small Industries Corporation, New Delhi for the specific goods as per tender enquiry specification shall be eligible for exemption from EMD. Vague stipulations in the Registration Certificate such as "to customers' specification" etc. will not be acceptable for exemption from furnishing of earnest money. In case the tenderer falls in these categories, it should furnish copy of its valid registration details (with DGS&D or NSIC, as the case may be)
- 19.3 The earnest money shall be denominated in Indian Rupees as per GIT clause 12.2. The earnest money shall be furnished in one of the following forms:
- i) Account Payee Demand Draft
  - ii) Banker's cheque and
  - iii) Bank Guarantee
- 19.4 The demand draft or banker's cheque shall be drawn on any commercial bank in India or country of the tenderer, in favour of the "HSCC (India) Ltd" payable at New Delhi/Noida. In case of bank guarantee, the same is to be provided from any commercial bank in India or country of the tenderer as per the format specified under Section XIII in these documents.
- 19.5 The earnest money shall be valid for a period of forty-five (45) days beyond the validity period of the tender. As validity period of Tender as per Clause 20 of GIT is 120 days, the EMD shall be valid for 165 days from Techno – Commercial Tender opening date.
- 19.6 Unsuccessful tenderers' earnest money will be returned to them without any interest, after expiry of the tender validity period, but not later than thirty days after conclusion of the resultant contract. Successful tenderer's earnest money will be returned without any interest, after receipt of performance security from that tenderer.
- 19.7 Earnest Money is required to protect the purchaser against the risk of the Tenderer's conduct, which would warrant the forfeiture of the EMD. Earnest money of a tenderer will be forfeited, if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender or if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged without prejudice to other rights of the purchaser. The successful tenderer's earnest money will be forfeited without prejudice to other rights of Purchaser if it fails to furnish the required performance security within the specified period.
- 19.8 In the case of Bank Guarantee furnished from banks outside India (i.e. foreign Banks), it should be authenticated and countersigned by any nationalised bank in India by way of back-to-back counter guarantee.

## **20. Tender Validity**

- 20.1 If not mentioned otherwise in the SIT, the tenders shall remain valid for acceptance for a period of 120 days (One hundred and twenty days) after the date of tender opening prescribed in the TE document. Any tender valid for a shorter period shall be treated as unresponsive and rejected.
- 20.2 In exceptional cases, the tenderers may be requested by the purchaser to extend the validity of their tenders up to a specified period. Such request(s) and responses thereto

shall be conveyed by surface mail or by fax/ telex/cable followed by surface mail. The tenderers, who agree to extend the tender validity, are to extend the same without any change or modification of their original tender and they are also to extend the validity period of the EMD accordingly. A tenderer, however, may not agree to extend its tender validity without forfeiting its EMD.

- 20.3 In case the day up to which the tenders are to remain valid falls on/ subsequently declared a holiday or closed day for the purchaser, the tender validity shall automatically be extended up to the next working day.

## **21. Signing and Sealing of Tender**

- 21.1 The tenderers shall submit their tenders as per the instructions contained in GIT Clause 11.
- 21.2 The original and other copies of the tender shall either be typed or written in indelible ink and the same shall be signed by the tenderer or by a person(s) who has been duly authorized to bind the tenderer to the contract. The letter of authorization shall be by a written power of attorney, which shall also be furnished along with the tender.
- 21.3 The tender shall be duly signed at the appropriate places as indicated in the TE documents and all other pages of the tender including printed literature, if any shall be initialled by the same person(s) signing the tender. The tender shall not contain any erasure or overwriting, except as necessary to correct any error made by the tenderer and, if there is any such correction; the same shall be initialled by the person(s) signing the tender.

## **D. SUBMISSION OF TENDERS**

### **22. Submission of Tenders**

- 22.1 The tender shall be submitted online and in physical form (except price bid) in three parts/covers as mentioned below:
- (i) Tender Fee and EMD (Both online and physical)
  - (ii) Pre-qualification and Technical compliance as per following documents (Online submissions for all the documents and physical submission only for affidavit as per point i) below and original Technical brochures/catalogues against point j):
    - a) Manufacturer's authorization in case bid is submitted by an Indian agent (A declaration must be attached here in case directly quoted by a manufacturer or a document establishing the relation of the Indian office with the manufacturer in case quoted by Indian office of the manufacturer).
    - b) b) Tender Form as per section X.
    - c) c) Copy of PAN.
    - d) Certificate of Incorporation/Declaration being a proprietary firm.
    - e) Annual report of last 3 years (Balance sheet and Profit & Loss Account)
    - f) Name, address and details of account with respect to bidder and/or beneficiary of L/C.
    - g) Quality Control Requirements as per Section VIII
    - h) Performance statement along with required PO copies and its corresponding end user's satisfactory performance certificate as per section IX.
    - i) Affidavit as per Section XIX

- j) Technical Bid along with clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications in the tender enquiry (Both online and physical)

(iii) Price Bid (Only online).

Bidders are requested not to submit the hard copy of Price Bid along with the physical form of tender. Uploading of the price bid in prequalification bid or technical bid will result in rejection of the tender.

Unless otherwise specified, the tenderers are to submit its tender online and deposit the physical form of tenders in the tender box kept for this purpose at HSCC (India) Ltd., E-6A, Sector-1, Noida-201301, ((UP).

- 22.2 The tenderers must ensure that they deposit their tenders not later than the closing time and date specified for submission of tenders. It is the responsibility of the tenderer to ensure that their Tenders whether sent by post or by courier or by person, are dropped in the Tender Box by the specified clearing date and time. In the event of the specified date for physical submission of tender falls on /is subsequently declared a holiday or closed day for the purchaser, the tenders will be received up to the appointed time on the next working day.

### **23. Late Tender**

- 23.1 A tender, which is received after the specified date and time for receipt of tenders will be treated as "late" tender and will be ignored.

### **24. Alteration and Withdrawal of Tender**

- 24.1 The tenderer, after submitting its tender, is permitted to alter / modify its tender so long as such alterations / modifications are received duly signed, sealed and marked like the original tender, within the deadline for submission of tenders. Alterations / modifications to tenders received after the prescribed deadline will not be considered.
- 24.2 No tender should be withdrawn after the deadline for submission of tender and before expiry of the tender validity period. If a tenderer withdraws the tender during this period, it will result in forfeiture of the earnest money furnished by the tenderer in its tender.

## **E. TENDER OPENING**

### **25. Opening of Tenders**

- 25.1 The purchaser will open the tenders at the specified date and time and at the specified place as indicated in the NIT.

In case the specified date of tender opening falls on / is subsequently declared a holiday or closed day for the purchaser, the tenders will be opened at the appointed time and place on the next working day.

- 25.2 Authorized representatives of the tenderers, who have submitted tenders on time may attend the tender opening provided they bring with them letters of authority from the corresponding tenderers.

The tender opening official(s) will prepare a list of the representatives attending the tender opening. The list will contain the representatives' names & signatures and corresponding tenderers' names and addresses.

- 25.3 The **Techno - Commercial Tenders** are to be opened in the first instance, at the prescribed time and date as indicated in NIT. These Tenders shall be scrutinized and evaluated by the competent committee/ authority with reference to parameters prescribed in the TE document. During the Techno - Commercial Tender opening, the tender opening official(s) will read the salient features of the tenders like brief description of the goods offered, delivery period, Earnest Money Deposit and any other special features of the tenders, as deemed fit by the tender opening official(s). Thereafter, in the second stage, the Price Tenders of only the Techno - Commercially acceptable offers (as decided in the first stage) shall be opened for further scrutiny and evaluation on a date notified after the evaluation of the Techno - Commercial tender. The prices, special discount if any of the goods offered etc., as deemed fit by tender opening official(s) will be read out.

## **F. SCRUTINY AND EVALUATION OF TENDERS**

### **26. Basic Principle**

- 26.1 Tenders will be evaluated on the basis of the terms & conditions already incorporated in the TE document, based on which tenders have been received and the terms, conditions etc. mentioned by the tenderers in their tenders. No new condition will be brought in while scrutinizing and evaluating the tenders.

### **27. Scrutiny of Tenders**

- 27.1 The Purchaser will examine the Tenders to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed stamped and whether the Tenders are generally in order.
- 27.2 Purchaser will determine the responsiveness of each Tender to the TE Document without recourse to extrinsic evidence.
- 27.3 The tenders will be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions etc. as prescribed in the TE document. The tenders, which do not meet the basic requirements, are liable to be treated as non - responsive and will be summarily ignored.
- 27.4 The following are some of the important aspects, for which a tender shall be declared non - responsive and will be summarily ignored;
- (i) Tender form as per Section X (signed and stamped) not enclosed
  - (ii) Tender is unsigned.
  - (iii) Tender validity is shorter than the required period.
  - (iv) Required EMD (Amount, validity etc.)/ exemption documents have not been provided.
  - (v) Tenderer has quoted for goods manufactured by other manufacturer(s) without the required Manufacturer's Authorisation Form as per Section XIV.
  - (vi) Tenderer has not agreed to give the required performance security.
  - (vii) Goods offered are not meeting the tender enquiry specification.
  - (viii) Tenderer has not agreed to other essential condition(s) specially incorporated in the tender enquiry like terms of payment, liquidated damages clause, warranty clause, dispute resolution mechanism applicable law.



- (ix) Poor/ unsatisfactory past performance.
- (x) Tenderers who stand deregistered/banned/blacklisted by any Govt. Authorities.
- (xi) Tenderer is not eligible as per GIT Clauses 5.1 & 17.1.
- (xii) Tenderer has not quoted for the entire quantity as specified in the List of Requirements in the quoted schedule.

27.5 The following are some of the important aspects, for which a tender shall be declared nonresponsive during the evaluation and will be ignored;

- (i) The bidder has submitted hard copy of financial bid (only online submission price bids are allowed).
- (ii) Tender validity is shorter than the required period.
- (iii) Required EMD (Amount, validity etc.)/ exemption documents have not been provided.
- (iv) Tenderer has quoted for goods manufactured by other manufacturer(s) without the required Manufacturer's Authorisation Form as per Section XIV.
- (v) Tenderer has not agreed to give the required performance security of required amount in an acceptable form in terms of GCC clause 5, read with modification, if any, in Section - V - "Special Conditions of Contract", for due performance of the contract.
- (vi) Tenderer has not agreed to other essential condition(s) specially incorporated in the tender enquiry like terms of payment, liquidated damages clause, warranty clause, dispute resolution mechanism applicable law.
- (vii) Poor/ unsatisfactory past performance.
- (viii) Tenderers who stand deregistered/banned/blacklisted by any Govt. Authorities.
- (ix) Tenderer is not eligible as per GIT Clauses 5& 17.1.
- (x) Tenderer has not quoted for the entire quantity as specified in the List of Requirements in the quoted schedule.
- (xi) Tenderer has not agreed for the delivery terms and delivery schedule.

## **28. Minor Infirmary/Irregularity/Non-Conformity**

28.1 If during the preliminary examination, the purchaser find any minor informality and/or irregularity and/or non-conformity in a tender, the purchaser will convey its observation on such 'minor' issues to the tenderer by registered/speed post etc. asking the tenderer to respond by a specified date. If the tenderer does not reply by the specified date or gives evasive reply without clarifying the point at issue in clear terms, that tender will be liable to be ignored.

## **29 Discrepancies in Prices**

29.1 If, in the price structure quoted by a tenderer, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless the purchaser feels that the tenderer has made a mistake in placing the decimal point in the unit price, in which case the total price as quoted shall prevail over the unit price and the unit price corrected accordingly.

29.2 If there is an error in a total price, which has been worked out through addition and/or subtraction of subtotals, the subtotals shall prevail and the total corrected; and

29.3 If there is a discrepancy between the amount expressed in words and figures, the amount in words shall prevail, subject to sub clause 29.1 and 29.2 above.

29.4 If, as per the judgement of the purchaser, there is any such arithmetical discrepancy in a tender, the same will be suitably conveyed to the tenderer by registered / speed post. If

the tenderer does not agree to the observation of the purchaser, the tender is liable to be ignored.

**30. Discrepancy between original and copies of Tender**

30.1 In case any discrepancy is observed between the text etc. of the original copy and that in the other copies of the same tender set, the text etc. of the original copy shall prevail. Here also, the purchaser will convey its observation suitably to the tenderer by register / speed post and, if the tenderer does not accept the purchaser's observation, that tender will be liable to be ignored.

**31. Qualification Criteria**

31.1 Tenders of the tenderers, who do not meet the required Qualification Criteria prescribed in Section IX, will be treated as non - responsive and will not be considered further.

**32. Conversion of tender currencies to Indian Rupees**

32.1 In case the TE document permits the tenderers to quote their prices in different currencies, all such quoted prices of the responsive tenderers will be converted to a single currency viz., Indian Rupees for the purpose of equitable comparison and evaluation, as per the exchange rates established by the Reserve Bank of India for similar transactions, as on the date of 'Price Tender' opening.

**33. Schedule-wise Evaluation**

33.1 The tenders will be evaluated and compared separately for each schedule. The tender for a schedule will not be considered if the complete requirements prescribed in that schedule are not included in the tender.

**34. Comparison of Tenders**

34.1 Unless mentioned otherwise in Section – III – Special Instructions to Tenderers and Section – VI – List of Requirements, the comparison of the responsive tenders shall be carried out on Delivery on DDP basis at Consignee site basis, inclusive of applicable taxes, duties, incidental services. The quoted turnkey prices and CMC prices will also be added for comparison/ranking purpose for evaluation.

**35. Additional Factors and Parameters for Evaluation & Ranking of Responsive Tenders**

35.1 Further to GIT Clause 34 above, the purchaser's evaluation of a tender will include and take into account the following:

- i) In the case of goods manufactured in India or goods of foreign origin already located in India, sales tax & other similar taxes and excise duty & other similar duties, Customs Duties, Service Tax, Works Contract Tax etc which will be contractually payable (to the tenderer), on the goods if a contract is awarded on the tenderer; and
- ii) in the case of goods of foreign origin offered from abroad, customs duty and other similar import duties/taxes, which will be contractually payable (to the tenderer) on the goods if the contract is awarded on the tenderer.

- 35.2 The purchaser's evaluation of tender will also take into account the additional factors, if any, incorporated in SIT in the manner and to the extent indicated therein.
- 35.3 The Purchaser reserves the right to give the price preference to small-scale sectors etc. and purchase preference to central public sector undertakings as per the instruction in vogue while evaluating, comparing and ranking the responsive tenders.

**36. Tenderer's capability to perform the contract**

- 36.1 The purchaser, through the above process of tender scrutiny and tender evaluation will determine to its satisfaction whether the tenderer, whose tender has been determined as the lowest evaluated responsive tender is eligible, qualified and capable in all respects to perform the contract satisfactorily. If, there is more than one schedule in the List of Requirements, then, such determination will be made separately for each schedule.
- 36.2 The above-mentioned determination will, inter alia, take into account the tenderer's financial, technical and production capabilities for satisfying all the requirements of the purchaser as incorporated in the TE document. Such determination will be based upon scrutiny and examination of all relevant data and details submitted by the tenderer in its tender as well as such other allied information as deemed appropriate by the purchaser.

**37. Contacting the Purchaser**

- 37.1 From the time of submission of tender to the time of awarding the contract, if a tenderer needs to contact the purchaser for any reason relating to this tender enquiry and / or its tender, it should do so only in writing.
- 37.2 In case a tenderer attempts to influence the purchaser in the purchaser's decision on scrutiny, comparison & evaluation of tenders and awarding the contract, the tender of the tenderer shall be liable for rejection in addition to appropriate administrative actions being taken against that tenderer, as deemed fit by the purchaser.

**G. AWARD OF CONTRACT**

**38. Purchaser's Right to accept any tender and to reject any or all tenders**

- 38.1 The purchaser reserves the right to accept in part or in full any tender or reject any or more tender(s) without assigning any reason or to cancel the tendering process and reject all tenders at any time prior to award of contract, without incurring any liability, whatsoever to the affected tenderer or tenderers.

**39. Award Criteria**

- 39.1 Subject to GIT clause 38 above, the contract will be awarded to the lowest evaluated responsive tenderer decided by the purchaser in terms of GIT Clause 36.

**40. Variation of Quantities at the Time of Award/ Currency of Contract**

- 40.1 At the time of awarding the contract, the purchaser reserves the right to increase or decrease by up to fifty (50) per cent, the quantity of goods and services mentioned in the schedule (s) in the "List of Requirements" (rounded off to next whole number) without any change in the unit price and other terms & conditions quoted by the tenderer.

40.2 If the quantity has not been increased at the time of the awarding the contract, the purchaser reserves the right to increase by up to twenty five (25) per cent, the quantity of goods and services mentioned in the contract (rounded of to next whole number) without any change in the unit price and other terms & conditions mentioned in the contract, during the currency of the contract after one year from the Date of Notification of Award.

Further, Purchaser reserves the rights to delete any of the tendered items without assigning any reason whatsoever. Purchaser as deemed fit, out of the total tendered quantity for the tendered items may place Notification of Award for the quantity as per the requirements and may defer the balance quantity of the item(s) to be supplied later.

#### **41. Notification of Award**

41.1 Before expiry of the tender validity period, the purchaser will notify the successful tenderer(s) in writing, by registered/speed post/by fax/ telex/cable (to be confirmed by registered / speed post) that its tender for goods & services, which have been selected by the purchaser, has been accepted, also briefly indicating therein the essential details like description, specification and quantity of the goods & services and corresponding prices accepted. The successful tenderer must furnish to the purchaser the required performance security within thirty days from the date of dispatch of this notification, failing which the EMD will forfeited and the award will be cancelled. Relevant details about the performance security have been provided under GCC Clause 5 under Section IV.

41.2 The Notification of Award shall constitute the conclusion of the Contract.

#### **42. Issue of Contract**

42.1 Promptly after notification of award, the Purchaser/Consignee will mail the contract form (as per Section XV) duly completed and signed, in duplicate, to the successful tenderer by registered / speed post.

42.2 Within twenty one days from the date of the contract, the successful tenderer shall return the original copy of the contract, duly signed and dated, to the Purchaser/Consignee by registered / speed post.

42.3 The Purchaser/Consignee reserves the right to issue the Notification of Award consignee wise.

#### **43. Non-receipt of Performance Security and Contract by the Purchaser/Consignee**

43.1 Failure of the successful tenderer in providing performance security and / or returning contract copy duly signed in terms of GIT clauses 41 and 42 above shall make the tenderer liable for forfeiture of its EMD and, also, for further actions by the Purchaser/Consignee against it as per the clause 24 of GCC – Termination of default.

#### **44. Return of E M D**

44.1 The earnest money of the successful tenderer and the unsuccessful tenderers will be returned to them without any interest, whatsoever, in terms of GIT Clause 19.6.

#### **45. Publication of Tender Result**

45.1 The name and address of the successful tenderer(s) receiving the contract(s) will be mentioned in the notice board/bulletin/web site of the purchaser.

**46. Corrupt or Fraudulent Practices**

- 46.1 It is required by all concerned namely the Consignee/Tenderers/Suppliers etc to observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the Purchaser: -
- (a) defines, for the purposes of this provision, the terms set forth below as follows:
    - (i) “corrupt practice” means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution; and
    - (ii) “fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition;
  - (b) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
  - (c) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract by the purchaser if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing the contract.

**SECTION - III**  
**SPECIAL INSTRUCTIONS TO TENDERERS**  
**(SIT)**

Sl. No.	GIT Clause No.	Topic	SIT Provision	Page No.
A	1 to 7	Preamble	No Change	30
B	8 to 10	TE documents	No Change	30
C	11 to 21	Preparation of Tenders	Change in 13.2 & 15	30
D	22 to 24	Submission of Tenders	No Change	30
E	25	Tender Opening	No Change	30
F	26 to 37	Scrutiny and Evaluation of Tenders	Change in 26.1 & 34.1	30
G	38 to 46	Award of Contract	No Change	30

**Clause 13.2:** Following must be read in line with Clause 13.2:

In case any of the Schedule is Techno-Commercially found non-responsive then the discount quoted shall not be taken into consideration for evaluation & ranking.

**Clause 13 & 15:** Following must be read in line with Clause 13 & 15:

Price quoted shall be Total Lump-sum firm price inclusive of all taxes, duties etc indicated in the Price Schedule for evaluation purpose. However, Clause 13 shall apply for Statutory variation at the time of delivery.

**Clause 26.1:** Following must be read in line with Clause 26.1:

Every effort has been taken to put forth general specifications in this bid documents. If inadvertently, any of the specification drawn happens to match with the specifications of any one particular firm's product only, in respect of critical parameters, than it will not automatically mean that this particular firm's offer is only technically suitable. In general, the specifications offered by other firms will be assessed in their own entirety to ascertain whether or not the broad functions in general expected of the equipment are available with reasonable tolerance on the desired requirements of the purchaser and accordingly the offers would be considered based on prudent assessment of the purchaser.

**Clause 34.1:** Following must be read in line with Clause 34.1:

The Bids shall be evaluated on the total Lump-sum price quoted as per Section XI having 2 years warrantee & 5 Years CMC and Turnkey cost (if applicable).

The following Special Instructions to Tenderers will apply for this purchase. These special instructions will modify/substitute/supplement the corresponding General Instructions to Tenderers (GIT) incorporated in Section II. The corresponding GIT clause numbers have also been indicated in the text below: In case of any conflict between the provision in the GIT and that in the SIT, the provision contained in the SIT shall prevail.

### Submission of Tenders

(i) All the necessary documents as prescribed in the NIT shall be prepared and scanned in different files (in PDF or JPEG format as prescribed) and uploaded for on-line submission of Proposal. However, physical documents as per NIT to be submitted in “**ORIGINAL**” to HSCC (India) Ltd. before the prescribed date & time for submission of physical tender restricted to the following documents only.

- a) Demand Draft towards Tender Fee in favour of HSCC (India) Ltd.
- b) EMD in the prescribed format in favour of HSCC (India) Ltd.
- c) Technical Data Sheet and original technical literature/ Brochure (if any)
- d) Affidavit as per Section XIX

(ii) All document(s)/ information(s) other than above including the Financial Proposal (i.e. **FORMAT FOR SUBMISSION OF PRICE BID/FINANCIAL PROPOSAL**) should be **uploaded online only** in the prescribed format given in the website. No other mode of submission shall be acceptable.

(iii) The prospective bidders may scan the documents in low resolution (**75 to 100 DPI**) instead of 200 DPI. The documents may be scanned for further lower resolution (if possible). This would reduce the size of the Cover and would be uploaded faster.

(iv) The prospective bidders may upload Drawing files, if any, in “**.dwf**” format so that the size of document is less. This is a generic format and all software supports this format.

(v) At the time of cover content creation, the prospective bidders would have to define the document type as “**.rar**” format.

(vi) The prospective bidders should be asked to zip all the .dwf files to a .rar file & upload it

**SECTION - IV**  
**GENERAL CONDITIONS OF CONTRACT (GCC)**  
**TABLE OF CLAUSES**

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## **GENERAL CONDITIONS OF CONTRACT (GCC)**

### **1. Application**

1.1 The General Conditions of Contract incorporated in this section shall be applicable for this purchase to the extent the same are not superseded by the Special Conditions of Contract prescribed under Section V, List of requirements under Section VI and Technical Specification under Section VII of this document.

All documents submitted physically or uploaded as scanned copies must be self-attested, legible and numbered.

### **2. Use of contract documents and information**

2.1 The supplier shall not, without the purchaser's prior written consent, disclose the contract or any provision thereof including any specification, drawing, sample or any information furnished by or on behalf of the purchaser in connection therewith, to any person other than the person(s) employed by the supplier in the performance of the contract emanating from this TE document. Further, any such disclosure to any such employed person shall be made in confidence and only so far as necessary for the purposes of such performance for this contract.

2.2 Further, the supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC sub-clause 2.1 above except for the sole purpose of performing this contract.

2.3 Except the contract issued to the supplier, each and every other document mentioned in GCC sub-clause 2.1 above shall remain the property of the purchaser and, if advised by the purchaser, all copies of all such documents shall be returned to the purchaser on completion of the supplier's performance and obligations under this contract.

### **3. Patent Rights**

3.1 The supplier shall, at all times, indemnify and keep indemnified the purchaser, free of cost, against all claims which may arise in respect of goods & services to be provided by the supplier under the contract for infringement of any intellectual property rights or any other right protected by patent, registration of designs or trademarks. In the event of any such claim in respect of alleged breach of patent, registered designs, trade marks etc. being made against the purchaser, the purchaser shall notify the supplier of the same and the supplier shall, at his own expenses take care of the same for settlement without any liability to the purchaser.

### **4. Country of Origin**

4.1 All goods and services to be supplied and provided for the contract shall have the origin in India or in the countries with which the Government of India has trade relations.

4.2 The word "origin" incorporated in this clause means the place from where the goods are mined, cultivated, grown, manufactured, produced or processed or from where the services are arranged.

4.3 The country of origin may be specified in the Price Schedule

### **5. Performance Security**

5.1 Within fifteen (15) days from date of the issue of notification of award by the Purchaser/Consignee, the supplier, shall furnish performance security to the Purchaser/Consignee for an amount equal to ten percent (10%) of the total value of the contract, valid up to sixty (60) days after the date of completion of all contractual obligations by the supplier, including the warranty obligations, initially valid for a period of minimum 24 months (as applicable warranty period of 2 years) from the date of Notification of Award.

- 5.2 The Performance security shall be denominated in Indian Rupees or in the currency of the contract as detailed below:
- a) It shall be in any one of the forms namely Account Payee Demand Draft or Fixed Deposit Receipt drawn from any Scheduled bank in India or Bank Guarantee issued by a Scheduled bank in India, in the prescribed form as provided in section XV of this document in favour of the Purchaser/Consignee. The validity of the Fixed Deposit receipt or Bank Guarantee will be for a period up to sixty (60) days beyond Warranty Period.
- 5.3 In the event of any failure /default of the supplier with or without any quantifiable loss to the government including furnishing of consignee wise Bank Guarantee for CMC security as per Proforma in Section XV, the amount of the performance security is liable to be forfeited. The Administration Department may do the needful to cover any failure/default of the supplier with or without any quantifiable loss to the Government.
- 5.4 In the event of any amendment issued to the contract, the supplier shall, within twenty-one (21) days of issue of the amendment, furnish the corresponding amendment to the Performance Security (as necessary), rendering the same valid in all respects in terms of the contract, as amended.
- 5.5 The supplier shall enter into Annual Comprehensive Maintenance Contract as per the 'Contract Form - B' in Section XVI with respective consignees, 3 (three) months prior to the completion of Warranty Period. The CMC will commence from the date of expiry of the Warranty Period.
- 5.6 Subject to GCC sub - clause 5.3 above, the Purchaser/Consignee will release the Performance Security without any interest to the supplier on completion of the supplier's all contractual obligations including the warranty obligations & after receipt of Consignee wise bank guarantee for CMC security in favour of Head of the Hospital/ Institute/ Medical College of the consignee as per the format in Section XV.

## **6. Technical Specifications and Standards**

- 6.1 The Goods & Services to be provided by the supplier under this contract shall conform to the technical specifications and quality control parameters mentioned in 'Technical Specification' and 'Quality Control Requirements' under Sections VII and VIII of this document.

For Radiology, the equipment viz. CT Scan, MRI, Digital Radiography, Digital Radio Fluoroscopy, Ultrasound, X-Ray Machines etc. Should be DICOM 3.0 enabled & complied with HL7 (Health Level 7) Standards. DICOM 3.0 provides reliable protocols for integration of image data between imaging, non-imaging modalities, devices & systems.

For Laboratory Equipment, equipment should be ASTM (American Society for Testing & Materials) compliant for integration of System Software with Lab. Records & Database.

Above standards are required for interfacing of equipment with PACS (Picture Archiving & Communication System) & HMIS (Hospital Management & Information System) during the computerization of the Hospital.

## **7. Packing and Marking**

- 7.1 The packing for the goods to be provided by the supplier should be strong and durable enough to withstand, without limitation, the entire journey during transit including transshipment (if any), rough handling, open storage etc. without any damage, deterioration

etc. As and if necessary, the size, weights and volumes of the packing cases shall also take into consideration, the remoteness of the final destination of the goods and availability or otherwise of transport and handling facilities at all points during transit up to final destination as per the contract.

- 7.2 The quality of packing, the manner of marking within & outside the packages and provision of accompanying documentation shall strictly comply with the requirements as provided in Technical Specifications and Quality Control Requirements under Sections VII and VIII and in SCC under Section V. In case the packing requirements are amended due to issue of any amendment to the contract, the same shall also be taken care of by the supplier accordingly.
- 7.3 Packing instructions:

Unless otherwise mentioned in the Technical Specification and Quality Control Requirements under Sections VII and VIII and in SCC under Section V, the supplier shall make separate packages for each consignee (in case there is more than one consignee mentioned in the contract) and mark each package on three sides with the following-g with indelible paint of proper quality:

- a. contract number and date
- b. brief description of goods including quantity
- c. packing list reference number
- d. country of origin of goods
- e. consignee's name and full address and
- f. supplier's name and address

## **8. Inspection, Testing and Quality Control**

- 8.1 The purchaser and/or its nominated representative(s) will, without any extra cost to the purchaser, inspect and/or test the ordered goods and the related services to confirm their conformity to the contract specifications and other quality control details incorporated in the contract. The purchaser shall inform the supplier in advance, in writing, the purchaser's programme for such pre-dispatch inspections, inspections and, also the identity of the officials to be deputed for this purpose. The cost towards the transportation, boarding & lodging will be borne by the purchaser and/or its nominated representative(s).
- 8.2 The Technical Specification and Quality Control Requirements incorporated in the contract shall specify what inspections and tests are to be carried out and, also, where and how they are to be conducted. If such inspections and tests are conducted in the premises of the supplier or its subcontractor(s), all reasonable facilities and assistance, including access to relevant drawings, design details and production data, shall be furnished by the supplier to the purchaser's inspector at no charge to the purchaser.
- 8.3 If during such inspections and tests the contracted goods fail to conform to the required specifications and standards, the purchaser's inspector may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet the specifications and standards, as required, free of cost to the purchaser and resubmit the same to the purchaser's inspector for conducting the inspections and tests again.
- 8.4 In case the contract stipulates pre-despatch inspection of the ordered goods at supplier's premises, the supplier shall put up the goods for such inspection to the purchaser's inspector well ahead of the contractual delivery period, so that the purchaser's inspector is able to complete the inspection within the contractual delivery period.
- 8.5 If the supplier tenders the goods to the purchaser's inspector for inspection at the last moment without providing reasonable time to the inspector for completing the inspection within the contractual delivery period, the inspector may carry out the inspection and complete the formality beyond the contractual delivery period at the risk and expense of

the supplier. The fact that the goods have been inspected after the contractual delivery period will not have the effect of keeping the contract alive and this will be without any prejudice to the legal rights and remedies available to the purchaser under the terms & conditions of the contract.

- 8.6 The purchaser's/consignee's contractual right to inspect, test and, if necessary, reject the goods after the goods' arrival at the final destination shall have no bearing of the fact that the goods have previously been inspected and cleared by purchaser's inspector during pre-despatch inspection mentioned above.
- 8.7 Goods accepted by the purchaser/consignee and/or its inspector at initial inspection and in final inspection in terms of the contract shall in no way dilute purchaser's/consignee's right to reject the same later, if found deficient in terms of the warranty clause of the contract, as incorporated under GCC Clause 15.
- 8.8 Principal/ Foreign supplier shall also have the equipment inspected by recognised/ reputed agency like SGS, Lloyd, Bureau Veritas, TUV prior to despatch at the supplier's cost and furnish necessary certificate from the said agency in support of their claim.

## **9. Terms of Delivery**

- 9.1 Goods shall be delivered by the supplier in accordance with the terms of delivery specified in the contract.

## **10. Transportation of Goods**

- 10.1 Instructions for transportation of imported goods offered from abroad:

The supplier shall not arrange part-shipments and/or transshipment without the express/prior written consent of the purchaser. The supplier is required under the contract to deliver the goods under CIP (Named port of destination) terms; the shipment shall be made by Indian flag vessel or by vessels belonging to the conference lines in which India is a member country through India's forwarding agents/coordinators. In case the forwarding agent/coordinators are unable to provide timely adequate space in Indian flag vessel or by vessels belonging to the conference lines, the supplier shall arrange shipment through any available vessel to adhere to the delivery schedule given in the contract.

In case of airlifting of imported goods offered from abroad, the same will be done only through the National Carrier i.e. Air India wherever applicable. In case the National Carrier is not available, any other airlines available for early delivery may be arranged.

- 10.2 Instructions for transportation of domestic goods including goods already imported by the supplier under its own arrangement:

In case no instruction is provided in this regard in the SCC, the supplier will arrange transportation of the ordered goods as per its own procedure.

## **11. Insurance:**

- 11.1 Unless otherwise instructed in the SCC, the supplier shall make arrangements for insuring the goods against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the following manner:

- i) in case of supply of domestic goods on Consignee site basis, the supplier shall be responsible till the entire stores contracted for arrival in good condition at destination. The transit risk in this respect shall be covered by the Supplier by getting the stores duly insured for an amount equal to 110% of the value of the goods from ware house to ware house (consignee site) on all risk basis.

The insurance cover shall be obtained by the Supplier and should be valid till 3 months after the receipt of goods by the Consignee.

- ii) in case of supply of the imported goods on CIP Named port of Destination Basis, the additional extended Insurance (local transportation and storage) would be borne by the Supplier from the port of entry to the consignee site for a period including 3 months beyond date of delivery for an amount equal to 110% of the overall expenditure to be incurred by the purchaser from ware house to ware house (consignee site) on all risk basis.

If the equipment is not commissioned and handed over to the consignee within 3 months, the insurance will be got extended by the supplier at their cost till the successful installation, testing, commissioning and handing over of the goods to the consignee. In case the delay in the installation and commissioning is due to handing over of the site to the supplier by the consignee, such extensions of the insurance will still be done by the supplier, but the insurance extension charges at actuals will be reimbursed.

## **12. Spare parts**

12.1 If specified in the List of Requirements and in the resultant contract, the supplier shall supply/provide any or all of the following materials, information etc. pertaining to spare parts manufactured and/or supplied by the supplier:

- a) The spare parts as selected by the Purchaser/Consignee to be purchased from the supplier, subject to the condition that such purchase of the spare parts shall not relieve the supplier of any contractual obligation including warranty obligations; and
- b) In case the production of the spare parts is discontinued:
  - i) Sufficient advance notice to the Purchaser/Consignee before such discontinuation to provide adequate time to the purchaser to purchase the required spare parts etc., and
  - ii) Immediately following such discontinuation, providing the Purchaser/Consignee, free of cost, the designs, drawings, layouts and specifications of the spare parts, as and if requested by the Purchaser/Consignee.

12.2 Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the goods so that the same are supplied to the Purchaser/Consignee promptly on receipt of order from the Purchaser/Consignee.

## **13. Incidental services**

13.1 Subject to the stipulation, if any, in the SCC (Section – V), List of Requirements (Section – VI) and the Technical Specification (Section – VII), the supplier shall be required to perform the following services.

- i) Installation & commissioning, Supervision and Demonstration of the goods
- ii) Providing required jigs and tools for assembly, minor civil works required for the completion of the installation.
- iii) Training of Consignee's Doctors, Staff, operators etc. for operating and maintaining the goods
- iv) Supplying required number of operation & maintenance manual for the goods

**14. Distribution of Dispatch Documents for Clearance/Receipt of Goods**

The supplier shall send all the relevant despatch documents well in time to the Purchaser/Consignee to enable the Purchaser/Consignee clear or receive (as the case may be) the goods in terms of the contract.

Unless otherwise specified in the SCC, the usual documents involved and the drill to be followed in general for this purpose are as follows.

A) For Domestic Goods, including goods already imported by the supplier under its own arrangement

Within 24 hours of despatch, the supplier shall notify the purchaser, consignee, and others concerned if mentioned in the contract, the complete details of despatch and also supply the following documents to them by registered post / speed post (or as instructed in the contract):

- (i) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
- (ii) Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of the consignee;
- (iii) Two copies of packing list identifying contents of each package;
- (iv) Inspection certificate issued by the nominated Inspection agency, if any.
- (v) Certificate of origin;
- (vi) Insurance Certificate as per GCC Clause 11.
- (vii) Manufacturers/Supplier's warranty certificate & In-house inspection certificate.

B) For goods imported from abroad

Within 24 hours of despatch, the supplier shall notify the purchaser, consignee, and others concerned if mentioned in the contract, the complete details of despatch and also supply the following documents to them by registered post / speed post (or as instructed in the contract). Any delay or demurrage occurred during the customs clearance on account of the non-availability of technical support/ clarifications /documents from the supplier shall be borne by the supplier:

- (i) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
- (ii) Original and four copies of the negotiable clean, on-board Bill of Lading/Airway bill, marked freight pre paid and four copies of non-negotiable Bill of Lading/Airway bill;
- (iii) Four Copies of packing list identifying contents of each package;
- (iv) Insurance Certificate as per GCC Clause 11.
- (v) Manufacturer's/Supplier's warranty certificate;
- (vi) Inspection Certificate for the despatched equipments issued by recognized/ reputed agency like SGS, Lloyd, Beaureu Veritas, TUV prior to despatch
- (vii) Manufacturer's own factory inspection report;
- (viii) Certificate of origin
- (ix) Port of Loading;
- (x) Port of Discharge and
- (xi) Expected date of arrival.

## 15. Warranty

- 15.1 The supplier warrants comprehensively that the goods supplied under the contract is new, unused and incorporate all recent improvements in design and materials unless prescribed otherwise by the purchaser in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials (*except when the design adopted and / or the material used are as per the Purchaser's/Consignee's specifications*) or workmanship or from any act or omission of the supplier, that may develop under normal use of the supplied goods under the conditions prevailing in India.
- 15.2 The **warranty** shall remain valid for **24 months** from the date of installation & commissioning followed by a **CMC for a period of 5 (Five) Years** for all the equipments after the goods or any portion thereof as the case may be, have been delivered to the final destination and installed and commissioned at the final destination and accepted by the purchaser/CONSIGNEE in terms of the contract, unless specified otherwise in the SCC.
- a. No conditional warranty will be acceptable.
  - b. Warranty as well as Comprehensive Maintenance contract will be inclusive of all accessories and Turnkey work and it will also cover the following:-
    - X-ray and CT tubes and high-tension cables.
    - Helium replacement
    - Any kind of motor.
    - Plastic & Glass Parts against any manufacturing defects.
    - All kind of sensors including oxygen sensors.
    - All kind of coils, probes and transducers
    - All kind of flat panel sensors and cassettes for DR & CR systems and patients handling trolleys etc
    - Printers and imagers including laser and thermal printers with all parts.
    - UPS including the replacement of batteries.
    - Air-conditioners
  - c. Replacement and repair will be under taken for the defective goods.
  - d. Proper marking has to be made for all spares for identification like printing of installation and repair dates.
- 15.3 In case of any claim arising out of this warranty, the Purchaser/Consignee shall promptly notify the same in writing to the supplier. The period of the warranty will be as per G.C.C clause number 15.2 above irrespective of any other period mentioned elsewhere in the bidding documents.
- 15.4 Upon receipt of such notice, the supplier shall, within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis respond to take action to repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/goods after providing their replacements and no claim, whatsoever shall lie on the purchaser for such replaced parts/goods thereafter. The penalty clause for non rectification will be applicable as per tender conditions
- 15.5 In the event of any rectification of a defect or replacement of any defective goods during the warranty period, the warranty for the rectified/replaced goods shall be extended to a

further period of twenty four (24) months from the date such rectified / replaced goods starts functioning to the satisfaction of the purchaser.

- 15.6 If the supplier, having been notified, fails to respond to take action to repair or replace the defect(s) within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis, the purchaser may proceed to take such remedial action(s) as deemed fit by the purchaser, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which the purchaser may have against the supplier.
- 15.7 During Warranty period, the supplier is required to visit at each consignee's site at least once in 3 months commencing from the date of the installation for preventive maintenance of the goods
- 15.8 The Purchaser/Consignee reserve the rights to enter into Annual Comprehensive Maintenance Contract between Consignee and the Supplier for the period as mentioned in Section VII, Technical Specifications after the completion of warranty period.
- 15.9 The supplier along with its Indian Agent and the CMC provider shall ensure continued supply of the spare parts for the machines and equipments supplied by them to the purchaser for 10 years from the date of installation and handing over.
- 15.10 The Supplier along with its Indian Agent and the CMC Provider shall always accord most favoured client status to the Purchaser vis-à-vis its other Clients/Purchasers of its equipments/machines/goods etc. and shall always give the most competitive price for its machines/equipments supplied to the Purchaser/Consignee.

## **16. Assignment**

- 16.1 The Supplier shall not assign, either in whole or in part, its contractual duties, responsibilities and obligations to perform the contract, except with the Purchaser's prior written permission.

## **17. Sub Contracts**

- 17.1 The Supplier shall notify the Purchaser in writing of all sub contracts awarded under the contract if not already specified in its tender. Such notification, in its original tender or later, shall not relieve the Supplier from any of its liability or obligation under the terms and conditions of the contract.
- 17.2 Sub contract shall be only for bought out items and sub-assemblies.
- 17.3 Sub contracts shall also comply with the provisions of GCC Clause 4 ("Country of Origin").

## **18. Modification of contract**

- 18.1 If necessary, the purchaser may, by a written order given to the supplier at any time during the currency of the contract, amend the contract by making alterations and modifications within the general scope of contract in any one or more of the following:
- a) Specifications, drawings, designs etc. where goods to be supplied under the contract are to be specially manufactured for the purchaser,
  - b) Mode of packing,
  - c) Incidental services to be provided by the supplier
  - d) Mode of despatch,
  - e) Place of delivery, and
  - f) Any other area(s) of the contract, as felt necessary by the purchaser depending on the merits of the case.
- 18.2 In the event of any such modification/alteration causing increase or decrease in the cost of goods and services to be supplied and provided, or in the time required by the supplier to perform any obligation under the contract, an equitable adjustment shall be made in the contract price and/or contract delivery schedule, as the case may be, and the contract



amended accordingly. If the supplier doesn't agree to the adjustment made by the Purchaser/Consignee, the supplier shall convey its views to the Purchaser/Consignee within twenty-one days from the date of the supplier's receipt of the Purchaser's/Consignee's amendment / modification of the contract.

## **19. Prices**

19.1 Prices to be charged by the supplier for supply of goods and provision of services in terms of the contract shall not vary from the corresponding prices quoted by the supplier in its tender and incorporated in the contract except for any price adjustment authorised in the SCC.

## **20. Taxes and Duties**

20.1 Supplier shall be entirely responsible for all taxes, duties, fees, levies etc. incurred until final acceptance of the contracted goods to the purchaser. However, for goods directly imported shall be guided by the INCOTERM.

20.2 Further instruction, if any, shall be as provided in the SCC.

## **21. Terms and Mode of Payment**

### **21.1 Payment Terms**

Payment shall be made subject to recoveries, if any, by way of liquidated damages or any other charges as per terms & conditions of contract in the following manner.

#### **A) Payment for Domestic Goods Or Foreign Origin Located Within India.**

Payment shall be made in Indian Rupees as specified in the contract in the following manner:

##### **a) On delivery:**

80% payment of the contract price shall be paid on receipt of goods in good condition and upon the submission of the following documents:

- (i) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
- (ii) Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of the consignee;
- (iii) Two copies of packing list identifying contents of each package;
- (iv) Inspection certificate issued by the nominated Inspection agency, if any.
- (v) Insurance Certificate as per GCC Clause 11 and documents also to be submitted for payment of LC confirming that dispatch documents has already been sent to all concerned as per the contract within 24 hours;
- (vi) Certificate of origin.

##### **b) On Acceptance:**

Balance 20% payment would be made against 'Final Acceptance Certificate' as per Section XVIII of goods to be issued by the consignees subject to recoveries, if any, either on account of non-rectification of defects/deficiencies not attended by the Supplier or otherwise. Final acceptance certificate will be released by the consignee on completion of installation, commissioning, training, successful running of equipment (at least 2-3 weeks) and handing over the equipment to the consignee.

**B) Payment for Imported Goods:**

Payment for foreign currency portion shall be made in the currency as specified in the contract in the following manner:

**a) On Shipment:**

80% of the net CIP price (CIP price less Indian Agency commission) of the goods shipped shall be paid through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the supplier in a bank in his country and upon submission of documents specified hereunder:

- (i) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
- (ii) Original and four copies of the negotiable clean, on-board Bill of Lading/ Airway bill , marked freight pre paid and four copies of non-negotiable Bill of Lading/Airway bill;
- (iii) Four Copies of packing list identifying contents of each package;
- (iv) Insurance Certificate as per GCC Clause 11 and documents also to be submitted for payment of LC confirming that dispatch documents has already been sent to all concerned as per the contract within 24 hours;
- (v) Manufacturer's/Supplier's warranty certificate;
- (vi) Inspection certificate issued by the nominated inspection agency, if applicable as per contract;
- (vii) Manufacturer's own factory inspection report and
- (viii) Certificate of origin by the chamber of commerce of the concerned country;
- (ix) Inspection Certificate for the despatched equipments issued by recognized/ reputed agency like SGS, Lloyd, TUV & Beauru Varitus, prior to despatch.

**b) On Acceptance:**

Balance payment of 20% of net CIP price of goods would be made against 'Final Acceptance Certificate' as per Section XVIII to be issued by the consignees through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the Foreign Principal in a bank in his country, subject to recoveries, if any. Final acceptance certificate will be released by the consignee on completion of installation, commissioning, training, successful running of equipment (at least 2-3 weeks) and handing over the equipment to the consignee.

- c) **Payment of Incidental Costs** till consignee site & Incidental Services (including Installation & Commissioning, Supervision, Demonstration and Training) will be paid in Indian Rupees to the Indian Agent on proof of final installation, commission and acceptance of equipment by the consignee.
- d) **Payment of Indian Agency Commission:** Indian Agency commission will be paid to the manufacturer's agent in the local currency for an amount in Indian rupees indicated in the relevant Price Schedule (as per prevailing rate of exchange ruling on the date of Contract) and shall not be subject to further escalation / exchange variation.

**C) Payment of Turnkey, if any:**

Turnkey payment will be made to the manufacturer's agent in Indian rupees indicated in the relevant Price Schedule (as per prevailing rate of exchange ruling on the date of Contract) and shall not be subject to further escalation / exchange variation.

**D) Payment for Annual Comprehensive Maintenance Contract Charges:**

The consignee will enter into CMC with the supplier at the rates as stipulated in the contract. The payment of CMC will be made on six monthly basis after satisfactory completion of said period, duly certified by the consignee on receipt of bank guarantee for an amount equivalent to 2.5 % of the cost of the equipment as per contract in the prescribed format given in Section XV valid till 2 months after expiry of entire CMC period.

- 21.2 The supplier shall not claim any interest on payments under the contract.
- 21.3 Where there is a statutory requirement for tax deduction at source, such deduction towards income tax and other tax as applicable will be made from the bills payable to the Supplier at rates as notified from time to time.
- 21.4 Irrevocable & non – transferable LC shall be opened by the respective consignees. However, if the supplier requests specifically to open confirmed LC, the extra charges would be borne by the supplier. If LC is required to be extended and/or amended for reasons not attributable to the purchaser/consignee, the charges thereof shall be borne by the supplier.
- 21.5 The payment shall be made in the currency / currencies authorised in the contract.
- 21.6 The supplier shall send its claim for payment in writing, when contractually due, along with relevant documents etc., duly signed with date, to respective consignees.
- 21.7 While claiming payment, the supplier is also to certify in the bill that the payment being claimed is strictly in terms of the contract and all the obligations on the part of the supplier for claiming that payment has been fulfilled as required under the contract.
- 21.8 While claiming reimbursement of duties, taxes etc. (like sales tax, excise duty, custom duty) from the Purchaser/Consignee, as and if permitted under the contract, the supplier shall also certify that, in case it gets any refund out of such taxes and duties from the concerned authorities at a later date, it (the supplier) shall refund to the Purchaser/Consignee forthwith.
- 21.9 In case where the supplier is not in a position to submit its bill for the balance payment for want of receipted copies of Inspection Note from the consignee and the consignee has not complained about the non-receipt, shortage, or defects in the supplies made, balance amount will be paid by the paying authority without consignee's receipt certificate after three months from the date of the preceding part payment for the goods in question, subject to the following conditions:
- (a) The supplier will make good any defect or deficiency that the consignee (s) may report within six months from the date of despatch of goods.
  - (b) Delay in supplies, if any, has been regularized.
  - (c) The contract price where it is subject to variation has been finalized.
  - (d) The supplier furnishes the following undertakings:

"I/We, \_\_\_\_\_ certify that I/We have not received back the Inspection Note duly receipted by the consignee or any communication from the purchaser or the consignee about non-receipt, shortage or defects in the goods supplied. I/We \_\_\_\_\_ agree to make good any defect or deficiency that the consignee may report within three months from the date of receipt of this balance payment.

**22. Delivery/Delay in the supplier's performance**

- 22.1 The supplier shall deliver of the goods and perform the services under the contract within the time schedule specified by the Purchaser/Consignee in the List of Requirements and as incorporated in the contract. The time for and the date of delivery of the goods stipulated in the schedule shall be deemed to be of the essence of the contract and the delivery must be completed not later than the date (s) as specified in the contract.
- 22.2 Subject to the provision under GCC clause 26, any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions:
- (i) imposition of liquidated damages,
  - (ii) forfeiture of its performance security and
  - (iii) termination of the contract for default.
- 22.3 If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform the Purchaser/Consignee in writing about the same and its likely duration and make a request to the Purchaser/Consignee for extension of the delivery schedule accordingly. On receiving the supplier's communication, the Purchaser/Consignee shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.
- 22.4 When the period of delivery is extended due to unexcused delay by the supplier, the amendment letter extending the delivery period shall, interalia contain the following conditions:
- (a) The Purchaser/Consignee shall recover from the supplier, under the provisions of the clause 23 of the General Conditions of Contract, liquidated damages on the goods and services, which the Supplier has failed to deliver within the delivery period stipulated in the contract.
  - (b) That no increase in price on account of any ground, whatsoever, including any stipulation in the contract for increase in price on any other ground and, also including statutory increase in or fresh imposition of customs duty, excise duty, sales tax/ VAT, Service Tax and Works Contract Tax or on account of any other tax or duty which may be levied in respect of the goods and services specified in the contract, which takes place after the date of delivery stipulated in the contract shall be admissible on such of the said goods and services as are delivered and performed after the date of the delivery stipulated in the contract.
  - (c) But nevertheless, the Purchaser/Consignee shall be entitled to the benefit of any decrease in price on account of reduction in or remission of customs duty, excise duty, sales tax/ VAT, Service Tax and Works Contract Tax or any other duty or tax or levy or on account of any other grounds, which takes place after the expiry of the date of delivery stipulated in the contract.
- 22.5 The supplier shall not dispatch the goods after expiry of the delivery period. The supplier is required to apply to the Purchaser/Consignee for extension of delivery period and obtain the same before despatch. In case the supplier dispatches the goods without obtaining an extension, it would be doing so at its own risk and no claim for payment for such supply and / or any other expense related to such supply shall lie against the purchaser.
- 22.6 Passing of Property:
- 22.6.1 The property in the goods shall not pass to the purchaser unless and until the goods have been delivered to the consignee in accordance with the conditions of the contract.

22.6.2 Where there is a contract for sale of specific goods and the supplier is bound to do something to the goods for the purpose of putting them into a deliverable state the property does not pass until such thing is done.

22.6.3 Unless otherwise agreed, the goods remain at the supplier's risk until the property therein is transferred to the purchaser.

### **23. Liquidated damages**

23.1 Subject to GCC clause 26, if the supplier fails to deliver any or all of the goods or fails to perform the services within the time frame(s) incorporated in the contract, the Purchaser/Consignee shall, without prejudice to other rights and remedies available to the Purchaser/Consignee under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.5% per week of delay or part thereof on delayed supply of goods and/or services until actual delivery or performance subject to a maximum of 10% of the contract price. Once the maximum is reached Purchaser/Consignee may consider termination of the contract as per GCC 24.

During the above-mentioned delayed period of supply and / or performance, the conditions incorporated under GCC sub-clause 22.4 above shall also apply.

### **24. Termination for default**

24.1 The Purchaser/Consignee, without prejudice to any other contractual rights and remedies available to it (the Purchaser/Consignee), may, by written notice of default sent to the supplier, terminate the contract in whole or in part, if the supplier fails to deliver any or all of the goods or fails to perform any other contractual obligation(s) within the time period specified in the contract, or within any extension thereof granted by the Purchaser/Consignee pursuant to GCC sub-clauses 22.3 and 22.4.

24.2 In the event of the Purchaser/Consignee terminates the contract in whole or in part, pursuant to GCC sub-clause 24.1 above, the Purchaser/Consignee may procure goods and/or services similar to those cancelled, with such terms and conditions and in such manner as it deems fit and the supplier shall be liable to the Purchaser/Consignee for the extra expenditure, if any, incurred by the Purchaser/Consignee for arranging such procurement.

24.3 Unless otherwise instructed by the Purchaser/Consignee, the supplier shall continue to perform the contract to the extent not terminated.

### **25. Termination for insolvency**

25.1 If the supplier becomes bankrupt or otherwise insolvent, the purchaser reserves the right to terminate the contract at any time, by serving written notice to the supplier without any compensation, whatsoever, to the supplier, subject to further condition that such termination will not prejudice or affect the rights and remedies which have accrued and / or will accrue thereafter to the Purchaser/Consignee.

### **26. Force Majeure**

26.1 Notwithstanding the provisions contained in GCC clauses 22, 23 and 24, the supplier shall not be liable for imposition of any such sanction so long the delay and/or failure of the supplier in fulfilling its obligations under the contract is the result of an event of Force Majeure.

26.2 For purposes of this clause, Force Majeure means an event beyond the control of the supplier and not involving the supplier's fault or negligence and which is not foreseeable and not brought about at the instance of, the party claiming to be affected by such event and which has caused the non-performance or delay in performance. Such events may

include, but are not restricted to, acts of the Purchaser/Consignee either in its sovereign or contractual capacity, wars or revolutions, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes excluding by its employees, lockouts excluding by its management, and freight embargoes.

- 26.3 If a Force Majeure situation arises, the supplier shall promptly notify the Purchaser/Consignee in writing of such conditions and the cause thereof within twenty one days of occurrence of such event. Unless otherwise directed by the Purchaser/Consignee in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- 26.4 If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of Force Majeure for a period exceeding sixty days, either party may at its option terminate the contract without any financial repercussion on either side.
- 26.5 In case due to a Force Majeure event the Purchaser/Consignee is unable to fulfil its contractual commitment and responsibility, the Purchaser/Consignee will notify the supplier accordingly and subsequent actions taken on similar lines described in above subparagraphs.

## **27. Termination for convenience**

- 27.1 The Purchaser/Consignee reserves the right to terminate the contract, in whole or in part for its (Purchaser's/Consignee's) convenience, by serving written notice on the supplier at any time during the currency of the contract. The notice shall specify that the termination is for the convenience of the Purchaser/Consignee. The notice shall also indicate inter alia, the extent to which the supplier's performance under the contract is terminated, and the date with effect from which such termination will become effective.
- 27.2 The goods and services which are complete and ready in terms of the contract for delivery and performance within thirty days after the supplier's receipt of the notice of termination shall be accepted by the Purchaser/Consignee following the contract terms, conditions and prices. For the remaining goods and services, the Purchaser/Consignee may decide:
- a) To get any portion of the balance completed and delivered at the contract terms, conditions and prices; and / or
  - b) To cancel the remaining portion of the goods and services and compensate the supplier by paying an agreed amount for the cost incurred by the supplier towards the remaining portion of the goods and services.

## **28. Governing language**

- 28.1 The contract shall be written in English language following the provision as contained in GIT clause 4. All correspondence and other documents pertaining to the contract, which the parties exchange, shall also be written accordingly in that language.

## **29. Notices**

- 29.1 Notice, if any, relating to the contract given by one party to the other, shall be sent in writing or by cable or telex or facsimile and confirmed in writing. The procedure will also provide the sender of the notice, the proof of receipt of the notice by the receiver. The addresses of the parties for exchanging such notices will be the addresses as incorporated in the contract.
- 29.2 The effective date of a notice shall be either the date when delivered to the recipient or the effective date specifically mentioned in the notice, whichever is later.

## **30. Resolution of disputes**

- 30.1 If dispute or difference of any kind shall arise between the Purchaser/Consignee and the supplier in connection with or relating to the contract, the parties shall make every effort to resolve the same amicably by mutual consultations.
- 30.2 If the parties fail to resolve their dispute or difference by such mutual consultation within twenty-one days of its occurrence, then, unless otherwise provided in the SCC, either the Purchaser/Consignee or the supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided the applicable arbitration procedure will be as per the Arbitration and Conciliation Act, 1996 of India. In the case of a dispute or difference arising between the Purchaser/Consignee and a domestic Supplier relating to any matter arising out of or connected with the contract, such dispute or difference shall be referred to the sole arbitration of an officer in the Ministry of Law and Justice, appointed to be the arbitrator by **Director General Medical Education and Research, Govt. Of Haryana, Panchkula**. The award of the arbitrator shall be final and binding on the parties to the contract subject to the provision that the Arbitrator shall give reasoned award in case the value of claim in reference exceeds Rupees One lakhs (Rs. 1,00,000/-)
- 30.3 Venue of Arbitration: The venue of arbitration shall be the place from where the contract has been issued, i.e., New Delhi, India.
- 30.4 Jurisdiction of the court will be from the place where the tender enquiry document has been issued, i.e., New Delhi, India

### 31. **Applicable Law**

The contract shall be governed by and interpreted in accordance with the laws of India for the time being in force.

### 32. **Withholding and Lien in respect of sums claimed**

Whenever any claim for payment arises under the contract against the supplier the purchaser shall be entitled to withhold and also have a lien to retain such sum from the security deposit or sum of money arising out of under any other contract made by the supplier with the purchaser, pending finalization or adjudication of any such claim. It is an agreed term of the contract that the sum of money so withheld or retained under the lien referred to above, by the purchaser, will be kept withheld or retained till the claim arising about of or under the contract is determined by the Arbitrator or by the competent court as the case may be, and the supplier will have no claim for interest or damages whatsoever on any account in respect of such withholding or retention.

### 33. **General/ Miscellaneous Clauses**

- 33.1 Nothing contained in this Contract shall be constructed as establishing or creating between the parties, i.e. the Supplier/its Indian Agent/CMC Provider on the one side and the Purchaser on the other side, a relationship of master and servant or principal and agent.
- 33.2 Any failure on the part of any Party to exercise right or power under this Contract shall not operate as waiver thereof.
- 33.3 The Supplier shall notify the Purchaser/Consignee /the Government of India of any material change would impact on performance of its obligations under this Contract.
- 33.4 Each member/constituent of the Supplier/its Indian Agent/CMC Provider, in case of consortium shall be **jointly and severally liable** to and responsible for all obligations towards the Purchaser/Consignee/Government for performance of contract/services including that of its Associates/Sub Contractors under the Contract.
- 33.5 The Supplier/its Indian Agent/CMC Provider shall at all times, indemnify and keep indemnified the Purchaser/Government of India against all claims/damages etc. for any

infringement of any Intellectual Property Rights (IPR) while providing its services under CMC or the Contract.

- 33.6 The Supplier/its Agent/CMC Provider shall, at all times, indemnify and keep indemnified the Purchaser/Consignee/Government of India against any claims in respect of any damages or compensation payable in consequences of any accident or injury sustained or suffered by its employees or agents or by any other third party resulting from or by any action, omission or operation conducted by or on behalf of the supplier/its associate/affiliate etc.
- 33.7 All claims regarding indemnity shall survive the termination or expiry of the contract.

**34. Additional Factors and Parameters for Evaluation and Ranking of Responsive Tenders**

- 34.1 Further to GIT Clause 34 above, the purchaser's evaluation of a tender will include and take into account the following:
- i) In the case of goods manufactured in India or goods of foreign origin already located in India, sales tax & other similar taxes and excise duty & other similar duties, Customs Duties, Service Tax, Works Contract Tax etc which will be contractually payable (to the tenderer), on the goods if a contract is awarded on the tenderer; and
  - ii) in the case of goods of foreign origin offered from abroad, customs duty and other similar import duties/taxes, which will be contractually payable (to the tenderer) on the goods if the contract is awarded on the tenderer.
- 34.2 The purchaser's evaluation of tender will also take into account the additional factors, if any, incorporated in SIT in the manner and to the extent indicated therein.
- 34.3 i. In exercise of powers conferred in section 11 of the Micro, Small and Medium Enterprises Development (MSMED) Act 2006, the Government has notified a new Public Procurement Policy for Micro & Small enterprises effective from 1st April 2012. The policy mandates that 20% of procurement of annual requirement of goods and services by all Central Ministries/Public Sector Undertakings will be from the micro and small enterprises. The Government has also earmarked a sub-target of 4% procurement of goods & services from MSEs owned by SC/ST entrepreneurs out of above said 20% quantity.
- i. In accordance with the above said notification, the participating Micro and Small Enterprises (MSEs) in a tender, quoting price within the band of L 1+15% would also be allowed to supply a portion of the requirement by bringing down their price to the L1 price, in a situation where L1 price is from someone other than on MSE. Such MSEs would be allowed to supply up to 20% of the total tendered value. In case there are more than one such eligible MSE, the 20% supply will be shared equally. Out of 20% of the quantity earmarked for supply from MSEs, 4% quantity is earmarked for procurement from MSEs owned by SC/ST entrepreneurs. However, in the event of failure of such MSEs to participate in the tender process or meet the tender requirements and the L1 price, the 4% quantity earmarked for MSEs owned by SC/ST entrepreneurs will be met from other participating MSEs.
  - ii. The MSEs fulfilling the prescribed eligibility criteria and participating in the tender shall enclose with their tender a copy of their valid registration certificate with District Industries Centres or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir board or national Small Industries Corporation or any other body specified by Ministry of Micro and Small enterprises in support of their being on MSE, failing which their tender will be liable to be ignored.



**SECTION - V**

**SPECIAL CONDITIONS OF CONTRACT (SCC)**

The following Special Conditions of Contract (SCC) will apply for this purchase. The corresponding clauses of General Conditions of Contract (GCC) relating to the SCC stipulations have also been incorporated below.

These Special Conditions will modify/substitute/supplement the corresponding (GCC) clauses. Whenever there is any conflict between the provision in the GCC and that in the SCC, the provision contained in the SCC shall prevail.

**SECTION - VI**  
**LIST OF REQUIREMENTS**

**Part I****DEPARTMENT OF ORTHOPAEDICS**

Schedule No.	Sl. No.	Name of the Article	QTY	EMD (in IRs)
1	1	Basic Instrumentation set for Fracture	2 sets	25,000/-
2	2	Small Fragment	1	20,000/-
3	3	Large Fragment	1	20,000/-
4	4	External Fixator	3	50,000/-
5	5	Arthroscope	1	75,000/-
6	6	Plaster room equipment (sets) with Plaster table.	2	30,000/-

**DEPARTMENT OF OPHTHALMOLOGY**

Schedule No.	Sl. No.	Name of the Article	QTY	EMD (In Rs.)
		<b>(i) O.P.D</b>		
1	1	Snellen Chart / Snellen drum with or without remote control	5	20,000/-
	2	Trial set with trial frame both for adult		
	3	and children	5	
	4	Bjerrum Screen	3	
	5	Perimeter	3	
	6	Colour vision chart	4	
	7	Near vision chart with different language	8	
	8	3 cell torch	13	
	9	Ophthalmoscope and Retinoscope	6	
		<b>COMMON EQUIPMENT - OPD</b>		
2	10	Slit lamp	3	40,000/-
3	11	Applanation tonometer	1	12,000/-
4	12	Keratometer	1	7,500/-
5	13	Indirect Ophthalmoscope	2	1,000/-
6	14	Synoptophore	1	5,000/-
7	15	Maddox Rod	1	1,000/-
	16	Maddox Wing	1	
	17	Diplopia goggles	1	
	18	Gonioscope	1	

	19	Placido disc	1	
	20	Prism Bar	1	
	21	Schoutz tonometer	3	
		<b>(ii) Major Operation theatre</b>		
8	22	<i>Operating microscope with TV} unit with camera</i>	2	1,25,000/-
9	23	Cryo Unit	2	1,000/-
10	24	Cataract Set	7	5,000/-
11	25	Glaucoma set	2	5,000/-
12	26	DCR set	2	1,000/-
13	27	Entropian set	2	15,000/-
	28	Enucleation set	2	
	29	Evisceration set	2	
14	30	Squint set	2	5,000/-
15	31	Operation Theatre Table Hydraulic	2	75,000/-

**DEPARTMENT OF ENT**

Schedule No.	Sl. No.	Name of the Article	QTY	EMD (in IRs)
1	1	Nasal speculum	4	2,500/-
	2	Tonque depressor	4	
	3	Laryngeal mirrors	4	
	4	Nasopharyngeal mirrors	4	
	5	Aural speculum	4	
	6	Ear suction	2	
	7	Nasal suction	2	
	8	Suction apparatus	1	
	9	Sigeles speculum	1	
	10	Tuning fork (512 Hz)	1	
	11	Otoscope	2	
	12	Bayonet forceps	1	
	13	Bull lamp	1	
	14	Head lamp	1	
	15	Jobson Horne probe	1	
	16	Sterilizer (Electric)	2	
	17	BP apparatus	1	
	18	Stethoscope	1	
2		ENT examination chair unit	1	25,000/-
		<b>(ii) Major Operation theatre</b>		
3		Tonsillectomy and adenoidectomy	1	5,000/-
4		Set for nasal bone fracture consisting of		2,000/-
5		Septoplasty set	1	4,000/-
6		Caldwel luc set		1,000/-
7		Antrostomy set	1	2,000/-
8		<b>FESS set Consisting of</b>	2	30,000/-

9		<b>Direct laryngoscopy set</b>	1	10,000/-
10		<b>Microlaryngoscopy set</b>	1	15,000/-
11		Tyrnpanoplasty set	1	7,000/-
12		Mastoidectomy set	2	10,000/-
		Incl. Electric drill (motor, handpiece and burrs)	2	
13		Stapedectomy set	1	7,000/-
14		Oesophagoscopy set	1	5,000/-
15		Bronchoscopy set	1	5,000/-
16		Tracheostomy set	2	4,000/-
		<b>(iii) Minor Operation Theatre</b>		
17	1	I(a) Antral wash set		1,000/-
	2	Trocar	2	
	3	Canula	2	
	4	Higginsons syringe	2	
18		<b>(b) Direct laryngoscope set</b>	<b>1</b>	10,000/-
	1	laryngoscope - Anterior commissure	1	
	2	Negus	1	
	3	Lighting system	1	
	4	Biospv forceps	1	
	5	Foreign body removal forceps	1	
19	7	aural syringe	1	3,000/-
	8	Tracheostomy set	1	
	9	Intubation set	1	
	10	Cricothyrotomy set	1	
	11	Quinsy forceps	1	
	12	Laryngeal forceps	1	
	13	Aural snare	1	
	14	Aural cup forceps	1	
		<b>(V) MISCELLANEOUS EQUIPMENTS</b>		
20	1	Operating microscope for Minor & major O.T.	2	1,00,000/-
21	2	Puretone audiometer	1	7,500/-
22	3	Impedance audiometer	1	5,000/-
23	4	Brainstem evoked response audiometer	1	17,000/-

**Part II: Required Delivery Schedule:****a) For Indigenous goods or for imported goods if supplied from India:**

60 days from date of Notification of Award except for MRI, CT Scan, DR System, DRF System, DSA, Gamma Knife, Gamma Camera, PET CT, Cath Lab. for which the delivery period will be 90 days from date of Notification of Award. The date of delivery will be the date of delivery at consignee site (Tenderers may quote earliest delivery period).

**b) For Imported goods directly from foreign:**

60 days from date of opening of L/C except for MRI, CT Scan, DR System, DRF System, DSA, Gamma Knife, Gamma Camera, PET CT, Cath Lab. for which the delivery period will be 90 days

from date of opening of L/C. The date of delivery will be the date of Bill of Lading/Airway Bill. (Tenderers may quote earliest delivery period).

**c)** Installation & commissioning within 15 days of receipt of goods at site except for MRI, CT Scan, DR System, DRF System, DSA, Gamma Knife, Gamma Camera, PET CT, Cath Lab. for which installation & commissioning to be done within 30 days of receipt of goods at site.

Note: Indigenous goods or imported goods if supplied from India (offered in INR) which are linked with supply of directly imported goods are to be supplied within the contractual delivery period as stated in para b) above.

For delayed delivery and/ or installation and commissioning liquidated damages will get applied as per GCC clause 23.

**Part III: Scope of Incidental Services:**

Installation & Commissioning, Supervision, Demonstration, Trial run and Training etc. as specified in GCC Clause 13

**Part IV:**

Turnkey (if any) as per details in Technical Specification.

**Part V:**

Warranty & Comprehensive Maintenance Contract (CMC) as per bid document.

**Part VI:**

**Required Terms of Delivery and Destination.**

**a) For Indigenous goods or for imported goods if supplied from India:**

At Consignee Site – Specified in the List of Requirements

Insurance (local transportation and storage) would be borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery

**b) For Imported goods directly from abroad:**

The foreign tenderers are required to quote their rates on CIP Named Port of Destination Basis giving break up of the price as per the Proforma prescribed in the Price Schedule. Purchaser will place the order on DDP Consignee basis. The shipping arrangements shall be made by the supplier accordingly.

Insurance (local transportation and storage) would be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery.

Consignee/destination details as mentioned in Section-XXI.

**NOTE:**

The bidder are advised to ship / deliver the equipments / items, only after obtaining “Permission to Ship” from HSCC in writing. If the bidder ship the equipments / items without obtaining permission, then the cost towards demurrage, warehouse charges etc has to be borne by the bidder only.

**Section – VII**  
**Technical Specifications**

**DETAILED TECHNICAL SPECIFICATIONS ARE  
PROVIDED AT THE END OF THIS DOCUMENT  
STARTING AT PAGE 83**

## **SECTION-VII**

### **GENERAL TECHNICAL SPECIFICATIONS**

#### **GENERAL POINTS:**

1. Warranty:

- a) Two years Comprehensive Warranty as per Conditions of Contract of the TE document for complete equipment (including X ray tubes, Helium for MRI, Batteries for UPS, other vacuumatic parts wherever applicable) and Turnkey Work from the date of satisfactory installation, commissioning, trial run & handing over of equipment to Hospital/Institution/Medical College.
- b) 98% up time Warranty of complete equipment with extension of Warranty period by double the downtime period on 24 (hrs) X 7 (days) X 365 (days) basis.
- c) All software updates should be provided free of cost during Warranty period.

2. After Sales Service:

After sales service centre should be available at the city of Hospital/Institution/Medical College on 24 (hrs) X 7 (days) X 365 (days) basis. Complaints should be attended properly, maximum within 8 hrs. The service should be provided directly by Tenderer/Indian Agent. Undertaking by the Principals that the spares for the equipment shall be available for at least 10 years from the date of supply.

3. Training:

On Site training to Doctors/ Technicians/ staff is to be provided by Principal/ Indian Agents (if they have the requisite know-how) for operation and maintenance of the equipment to the satisfaction of the consignee.

4. Annual Comprehensive Maintenance Contract (CMC) of subject equipment with Turnkey:

- a) The cost of Comprehensive Maintenance Contract (CMC) which includes preventive maintenance including testing & calibration as per technical/ service /operational manual of the manufacturer, labour and spares, after satisfactory completion of Warranty period may be quoted for next **5 years** on yearly basis for complete equipment (including X ray tubes, Helium for MRI, Batteries for UPS, other vacuumatic parts wherever applicable) and Turnkey (if any). The supplier shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, but at least once in six months during the CMC period
- b) The cost of CMC may be quoted along with taxes applicable on the date of Tender Opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
- c) Cost of 5 years CMC will be added for Ranking/Evaluation purpose.
- d) CMC shall commence after successful completion of the warrantee period/ obligations.



- e) The payment of CMC will be made on six monthly basis after satisfactory completion of said period, duly certified by end user on receipt of bank guarantee for 2.5 % of the cost of the equipment as per Section XV valid till 2 months after expiry of entire CMC period.
- f) There will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.
- g) During CMC period, the supplier is required to visit at each consignee's site at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.
- h) All software updates should be provided free of cost during CMC.
- i) Failure of the above [4. e) to 4. g)] by the supplier, may lead to the forfeiture of the Bank Guarantee for Annual CMC.
- j) The payment of CMC will be made as stipulated in GCC Clause 21.

### ***Turnkey Works:***

The Tenderer shall examine the existing site where the equipment is to be installed to assess the site condition for Equipment placement and installation. Whether the scope of Turnkey Works is mentioned in the Technical Specifications or not, the bidder's offer should be on a "Turn Key" basis including all costs associated with the supply, installation and commissioning of the equipment.

For equipment, the major Turnkey work to be carried out are given at the end of Technical Specification. The Tenderer to quote prices indicating break-up of prices of the Machine and Turnkey Job of Hospital/Institution/Medical College. The Turnkey costs to be quoted in Indian Rupee will be added for Ranking Purpose. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such duties and taxes and no claim for the same will be entertained later. The Turnkey Work should completely comply with AERB requirement, if any.

Bidders must take into consideration in its bid, the costs to be incurred for any additional work pertaining to civil, Electrical, Plumbing, sanitary, Radiation protection as per Govt. regulation, furniture, servo stabilizers, U.P.S. etc. required for successful installation testing and commissioning of the Medical Equipment and the "All inclusive lump sum price" should include all such costs, each **schedule/package** is to be considered a package in itself and suppliers to execute the order package on a "turn key basis" including all civil, electrical, air – conditioning & allied requirement for the equipment, at the site.

For X-Ray and related equipment, bidders who have Type Approval/NOC of AERB/BARC shall only be considered with documentary evidence. It shall be bidder's responsibility to get the equipment installed and commissioned as per AERB / BARC guidelines and installed and commission on "Turn Key basis". Bidders must take into consideration in its bid the costs to be incurred for any additional work viz. Electrical cabling, plugs of suitable ratings from the source, Electrical points of suitable ratings, water connection, water drainage, plumbing, air-conditioning, Radiation protection/shielding, mechanical & allied requirement for the equipment etc. required for successful installation, commissioning and running of the Equipment and the quoted "All inclusive lump sum price" should include all such costs.

## **Section – VIII**

### **Quality Control Requirements**

(Proforma for equipment and quality control employed by the manufacturer(s))

Tender Reference No.

Date of opening

Time

Name and address of the Tenderer:

Note: All the following details shall relate to the manufacturer(s) for the goods quoted for.

01 Name of the manufacturer

- a. full postal address
- b. full address of the premises
- c. telegraphic address
- d. telex number
- e. telephone number
- f. fax number

02 Plant and machinery details

03 Manufacturing process details

04 Monthly (single shift) production capacity of goods quoted for

- a. normal
- b. maximum

05 Total annual turn-over (value in Rupees)

06 Quality control arrangement details

- a. for incoming materials and bought-out components
- b. for process control
- c. for final product evaluation

07 Test certificate held

- a . type test
- b . BIS/ISO certification
- c . any other

08 Details of staff

- a. technical
- b. b skilled
- c. c unskilled

Signature and seal of the Tenderer

## **Section – IX Qualification Criteria**

1. The tenderer must be a manufacturer or it's authorized Indian Agent. They may authorise their agent as per proforma of Manufacturer authorization form as given in the tender enquiry document to quote and enter into a contractual obligation.
  
2. A) The Manufacturer should have supplied and installed in last Five years from the date of Tender Opening, at least 50% of the quoted quantity of the similar equipment meeting major parameters of technical specification which is functioning satisfactorily in Government Hospitals / Private Hospitals / PSU Hospital/ UN Agencies. Tenders shall submit Performance Certificate / Installation reports & order copies in respect of the above.  
  
B) The Tenderers quoting as authorized representative of the manufacturer meeting the above criteria 2 (a) should have executed at least one contract in the last five years from the date of tender opening of similar equipment meeting major parameters of technical specification which is functioning satisfactorily, anywhere in India. Tenders shall submit Performance Certificate / Installation reports & order copies in respect of the above.
  
3. **For small & low value items / instruments only**, Bidder / Manufacturer shall submit documents supplied and installed in last Five years from the date of Tender Opening, at least 50% of the quoted quantity of the similar equipment meeting major parameters of technical specification which is functioning satisfactorily in Government Hospitals / Private Hospitals / PSU Hospital/ UN Agencies. Tenders shall submit Performance Certificate / Installation reports & order copies in respect of the above. For these items bidder may submit documents establishing of other manufacturer for similar items.

### **Note**

4. The tenderer shall give an affidavit as per Section-XIX of the TE document.
  
5. In support of 2(a) & 2(b), the Tenderer shall furnish Performance statement in the enclosed Proforma 'A'.

The manufacturer/Indian Agent as Tenderer shall furnish Satisfactory Performance Certificate/Installation Reports in respect of above, duly notarized in the country of origin, along with the tender.

The Tenderer shall furnish a brief write-up, packed with adequate data explaining and establishing his available capacity/capability (both technical and financial) to perform the Contract (if awarded) within the stipulated time period, after meeting all its current/present commitments. The Tenderer shall also furnish details of Equipment and Quality Control in the enclosed Section VIII.

6. Notwithstanding anything stated above, the Purchaser reserves the right to assess the Tenderer's capability and capacity to perform the contract satisfactorily before deciding on award of Contract, should circumstances warrant such an assessment in the overall interest of the Purchaser.
7. Tender shall submit audited balance sheets for the last three years. Annual Turnover statements should be certified by chartered accountant bearing their membership No.
8. The Purchaser reserves the right to ask for a free demonstration of the quoted equipment at a pre determined place acceptable to the purchaser for technical acceptability as per the tender specifications, before the opening of the Price Tender.

**PROFORMA 'A'**  
**PROFORMA FOR PERFORMANCE STATEMENT**

(For the period of last five years)

Tender Reference No. : \_\_\_\_\_

Date of opening : \_\_\_\_\_

Time : \_\_\_\_\_

Name and address of the Tenderer : \_\_\_\_\_

Name and address of the manufacturer : \_\_\_\_\_

Order placed by (full address of Purchaser /Consignee)	Order number and date	Description and quantity of ordered goods and services	Value of order (Rs.)	Date of completion of Contract		Remarks indicating reasons for delay if any	Have the goods been functioning Satisfactorily (attach documentary proof)**
				As per contract	Actual		
1	2	3	4	5	6	7	8

We hereby certify that if at any time, information furnished by us is proved to be false or incorrect, we are liable for any action as deemed fit by the purchaser in addition to forfeiture of the earnest money.

**Signature and seal of the Tenderer**

**\*\* The documentary proof will be a certificate from the consignee/end user with cross-reference of order no. and date in the certificate along with a notarized certification authenticating the correctness of the information furnished.**

**Section – X**  
**TENDER FORM**

Date\_\_\_\_\_

To

---

Chief General Manager (Projects),  
For & on Behalf of Director General Medical Education & Research (DGMER),  
Govt. Of Haryana,  
Panchkula

Ref. Your TE document No. \_\_\_\_\_ dated \_\_\_\_\_

We, the undersigned have examined the above mentioned TE document, including amendment/corrigendum No. \_\_\_\_\_, dated \_\_\_\_\_ (if any), the receipt of which is hereby confirmed. We now offer to supply and deliver\_\_\_\_\_ (Description of goods and services) in conformity with your above referred document for the sum of \_\_\_\_\_ (total tender amount in figures and words), as shown in the price schedule(s), attached herewith and made part of this tender.

If our tender is accepted, we undertake to supply the goods and perform the services as mentioned above, in accordance with the delivery schedule specified in the List of Requirements. We further confirm that, if our tender is accepted, we shall provide you with a performance security of required amount in an acceptable form in terms of GCC clause 5, read with modification, if any, in Section - V – “Special Conditions of Contract”, for due performance of the contract.

We agree to keep our tender valid for acceptance as required in the GIT clause 20, read with modification, if any in Section - III – “Special Instructions to Tenderers” or for subsequently extended period, if any, agreed to by us. We also accordingly confirm to abide by this tender up to the aforesaid period and this tender may be accepted any time before the expiry of the aforesaid period. We further confirm that, until a formal contract is executed, this tender read with your written acceptance thereof within the aforesaid period shall constitute a binding contract between us.

We further understand that you are not bound to accept the lowest or any tender you may receive against your above-referred tender enquiry.

We confirm that we do not stand deregistered/banned/blacklisted by any Govt. Authorities.

We confirm that we fully agree to the terms and conditions specified in above mentioned TE document, including amendment/ corrigendum if any

---

**(Signature with date)**

---

**(Name and designation) Duly authorised to sign tender for and on behalf of**

**SECTION - XI PRICE SCHEDULE****A) PRICE SCHEDULE FOR DOMESTIC GOODS OR GOODS OF FOREIGN ORIGIN LOCATED WITHIN INDIA**

1 Schedule	2 Brief Description of Goods	3 Country of Origin	4 Quantity (Nos.)	5 Price per unit (Rs.)							6 Total Price (at Consignee Site) basis (Rs.)  4 x 5(g)
				Ex - factory/ Ex - warehouse /Ex-showroom /Off - the shelf (a)	Excise Duty (if any) [%age & value] (b)	Sales Tax/VAT(if any) [%age & value] (c)	Packing and Forwarding charges (d)	Inland Transportation, Insurance for a period including 3 months beyond date of delivery, loading/unloading and Incidental costs till consignee's site (e)	Incidental Services (including Installation & Commissioning, Supervision, Demonstration and Training) at the Consignee's site (f)	Unit Price (at Consignee Site) basis (Rs.) (g) =a+b+c+d+e+f	

Total Tender price in Rupees: \_\_\_\_\_

In words: \_\_\_\_\_

**Note: -**

1. If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail.
2. The charges for Annual CMC after warranty shall be quoted separately as per Section - XI - Price Schedule C

Name \_\_\_\_\_

Business Address \_\_\_\_\_

Place: \_\_\_\_\_

Signature of Tenderer \_\_\_\_\_

Date: \_\_\_\_\_

Seal of the Tenderer \_\_\_\_\_

**SECTION – XI PRICE SCHEDULE**  
**B) PRICE SCHEDULE FOR GOODS TO BE IMPORTED FROM ABROAD**

1 Schedule	2 Brief Description of Goods	3 Country of Origin	4 Quantity (Nos.)	5 Price per unit (Currency)					6 Total price on CIP Port of destination + Extended Insurance+ local transportation and storage at consignee site)  4X 5 (f)
				FOB/FCA price at port/ airport of Lading  (a)	Carriage & Insurance (port of loading to port of destination) and other Incidental costs (b)	CIP Price (name place/port of destination in India (c)	Loading & unloading at name place/port of entry in India + local transportation and storage to the consignee site + Extended Insurance for a period including 3 months beyond date of delivery** (d)	Incidental Services (including Installation & Commissioning, Supervision, Demonstration and Training) at the Consignee's site ** (e)	

\*\* To be paid in Indian Currency (Rs.)

Total Tender price in foreign currency: \_\_\_\_\_

In words: \_\_\_\_\_

**Note: -**

1. If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail.
2. The charges for Annual CMC after warranty shall be quoted separately as per Section – XI – Price Schedule C
3. *The Tenderer will be fully responsible for the safe arrival of the goods at destination (consignee site) in good condition as per terms of DDP at Consignee's site as per INCOTERMS, if applicable*

Custom Duty @ 11.76% & Custom Clearance Charges @ 2% will be added to CIP charges to arrive at DDP Price at consignee site for evaluation purpose.

**Indian Agency Commission - \_\_% of FOB/FCA**

**Signature of Tenderer** \_\_\_\_\_

**Place:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Name** \_\_\_\_\_

**Business Address** \_\_\_\_\_

**Signature of Tenderer** \_\_\_\_\_

**Seal of the Tenderer** \_\_\_\_\_



**SECTION - XI PRICE SCHEDULE****C) PRICE SCHEDULE FOR ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT AFTER WARRANTY PERIOD**

1	2	3	4					5
Schedule No.	BRIEF DESCRIPTION OF GOODS	QUANTITY. (Nos.)	Annual Comprehensive Maintenance Contract Cost for Each Unit year wise*.					Total Annual Comprehensive Maintenance Contract Cost for 5 Years [3 x (4a+4b+4c+4d+4e)]
			1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	
			a	B	c	d	e	

\* After completion of Warranty period

**NOTE:-**

1. In case of discrepancy between unit price and total prices, THE UNIT PRICE shall prevail.
2. The cost of Comprehensive Maintenance Contract (CMC) which includes preventive maintenance including testing & calibration as per technical/ service /operational manual, labour and spares, after satisfactory completion of Warranty period may be quoted for next 5 years on yearly basis for complete equipment and Turnkey (if any).
3. The cost of CMC may be quoted along with taxes applicable on the date of Tender Opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
4. Cost of CMC will be added for Ranking/Evaluation purpose.
5. The payment of CMC will be made as per clause GCC clause 21.1 (D).
6. The uptime warranty will be 98 % on 24 (hrs) X 7 (days) X 365 (days) basis or as stated in Technical Specification of the TE document.
7. All software updates should be provided free of cost during CMC period.
8. The stipulations in Technical Specification will supersede above provisions
9. The supplier shall keep sufficient stock of spares required during Annual Comprehensive Maintenance Contract period. In case the spares are required to be imported, it would be the responsibility of the supplier to import and get them custom cleared and pay all necessary duties.

Place: \_\_\_\_\_

Date: \_\_\_\_\_

Name \_\_\_\_\_

Business Address \_\_\_\_\_

Signature of Tenderer \_\_\_\_\_

Seal of the Tenderer \_\_\_\_\_

**SECTION XI- PRICE SCHEDULE  
D) PRICE SCHEDULE FOR TURNKEY**

<b>Schedule No.</b>	<b>BRIEF TURNKEY DESCRIPTION OF GOODS</b>	<b>CONSIGNEE</b>	<b>Turnkey price</b>

**Note: -**

1. The cost of Turnkey as per Technical Specification (Section VII) may be quoted on lump sum along with taxes applicable on the date of Tender Opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
2. Cost of Turnkey will be added for Ranking/Evaluation purpose.
3. The payment of Turnkey will be made as per clause GCC clause 21.1 (c).
4. The stipulations in Technical Specification will supersede above provisions

Name \_\_\_\_\_

Business Address \_\_\_\_\_

Signature of Tenderer \_\_\_\_\_

Seal of the Tenderer \_\_\_\_\_

Place: \_\_\_\_\_

Date: \_\_\_\_\_

**SECTION - XII  
QUESTIONNAIRE**

**Fill up the Section XX – Check List for Tenderers and enclose with the Tender**

1. The tenderer should furnish specific answers to all the questions/issues mentioned in the Checklist. In case a question/issue does not apply to a tenderer, the same should be answered with the remark “not applicable”.
2. Wherever necessary and applicable, the tenderer shall enclose certified copy as documentary proof/ evidence to substantiate the corresponding statement.
3. In case a tenderer furnishes a wrong or evasive answer against any of the question/issues mentioned in the Checklist, its tender will be liable to be ignored.

**SECTION – XIII**  
**BANK GUARANTEE FORM FOR EMD**

Whereas \_\_\_\_\_ (hereinafter called the “Tenderer”) has submitted its quotation dated \_\_\_\_\_ for the supply of \_\_\_\_\_ (hereinafter called the “tender”) against the purchaser’s tender enquiry No. \_\_\_\_\_ Know all persons by these presents that we \_\_\_\_\_ of \_\_\_\_\_ (Hereinafter called the “Bank”) having our registered office at \_\_\_\_\_ are bound unto \_\_\_\_\_ (hereinafter called the “Purchaser) in the sum of \_\_\_\_\_ for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this \_\_\_\_\_ day of \_\_\_\_ 20\_\_.

- The conditions of this obligation are:
- (1) If the Tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
  - (2) If the Tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity:-

a) fails or refuses to furnish the performance security for the due performance of the contract.

or

b) fails or refuses to accept/execute the contract.

or

c) if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged

We undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition(s).

This guarantee will remain in force for a period of forty-five days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above date.

\_\_\_\_\_  
(Signature of the authorised officer of the Bank)

\_\_\_\_\_  
Name and designation of the officer

\_\_\_\_\_  
Seal, name & address of the Bank and address of the Branch

**SECTION - XIV**  
**MANUFACTURER'S AUTHORISATION FORM**

To

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Chief General Manager (Projects),  
For & on Behalf of Director General Medical Education & Research (DGMER),  
Govt. Of Haryana,  
Panchkula

Dear Sirs,

Ref. Your TE document No \_\_\_\_\_, dated \_\_\_\_\_

We, \_\_\_\_\_ who are proven and reputable manufacturers of \_\_\_\_\_ (*name and description of the goods offered in the tender*) having factories at \_\_\_\_\_, hereby authorise Messrs \_\_\_\_\_ (*name and address of the agent*) to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We further confirm that no supplier or firm or individual other than Messrs. \_\_\_\_\_ (*name and address of the above agent*) is authorised to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We also hereby extend our full warranty, CMC as applicable as per clause 15 of the General Conditions of Contract, read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the above firm against this TE document.

Yours faithfully,

---

[Signature with date, name and designation]  
for and on behalf of Messrs \_\_\_\_\_

[Name & address of the manufacturers]

*Note: 1. This letter of authorisation should be on the letter head of the manufacturing firm and should be signed by a person competent to legally bind the manufacturer.*

*2. Original letter may be sent.*

**SECTION - XV**

**BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC\* SECURITY**

To  
Chief General Manager (Projects),  
For & on Behalf of Director General Medical Education & Research (DGMER),  
Govt. Of Haryana,  
Panchkula

WHEREAS \_\_\_\_\_ (Name and address of the supplier) (Hereinafter called "the supplier") has undertaken, in pursuance of contract no \_\_\_\_\_ dated \_\_\_\_\_ to supply (description of goods and services) (herein after called "the contract").  
AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognised by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;  
AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of \_\_\_\_\_ (Amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid up to 30/66 months from the date of Notification of Award i.e. up to ----- (indicate date)

\* **For CMC the BG shall be addressed to the Consignee**

.....  
(Signature with date of the authorised officer of the Bank)

.....  
Name and designation of the officer

.....  
Seal, name & address of the Bank and address of the Branch

**SECTION - XVI  
CONTRACT FORM - A**

**CONTRACT FORM FOR SUPPLY, INSTALLATION, COMMISSIONING, HANDING OVER, TRIAL RUN, TRAINING OF OPERATORS & WARRANTY OF GOODS**

(Address of the Purchaser's/Consignee's office issuing the contract)

Contract No \_\_\_\_\_ dated \_\_\_\_\_

**This is in continuation to this office's Notification of Award No \_\_\_\_\_ dated \_\_\_\_\_**

1. Name & address of the Supplier: \_\_\_\_\_
2. Purchaser's TE document No \_\_\_\_\_ dated \_\_\_\_\_ and subsequent Amendment No \_\_\_\_\_, dated \_\_\_\_\_ (if any), issued by the purchaser
3. Supplier's Tender No \_\_\_\_\_ dated \_\_\_\_\_ and subsequent communication(s) No \_\_\_\_\_ dated \_\_\_\_\_ (if any), exchanged between the supplier and the purchaser in connection with this tender.
4. In addition to this Contract Form, the following documents etc, which are included in the documents mentioned under paragraphs 2 and 3 above, shall also be deemed to form and be read and construed as integral part of this contract:

- (i) General Conditions of Contract;
- (ii) Special Conditions of Contract;
- (iii) List of Requirements;
- (iv) Technical Specifications;
- (v) Quality Control Requirements;
- (vi) Tender Form furnished by the supplier;
- (vii) Price Schedule(s) furnished by the supplier in its tender;
- (viii) Manufacturers' Authorisation Form (if applicable for this tender);
- (ix) Purchaser's Notification of Award

Note: The words and expressions used in this contract shall have the same meanings as are respectively assigned to them in the conditions of contract referred to above. Further, the definitions and abbreviations incorporated under clause 1 of Section II – 'General Instructions to Tenderers' of the Purchaser's TE document shall also apply to this contract.

5. Some terms, conditions, stipulations etc. out of the above-referred documents are reproduced below for ready reference:

- (i) Brief particulars of the goods and services which shall be supplied/ provided by the supplier are as under:

Schedule No.	Brief description of goods/services	Accounting unit	Quantity to be supplied	Unit Price	Total price	Terms of delivery

Any other additional services (if applicable) and cost thereof: \_\_\_\_\_

Total value (in figure) \_\_\_\_\_ (In words) \_\_\_\_\_

2. Delivery schedule

(iii) Details of Performance Security

(iv) Quality Control

(a) Mode(s), stage(s) and place(s) of conducting inspections and tests.

(b) Designation and address of purchaser's inspecting officer

(v) Destination and despatch instructions

(vi) Consignee, including port consignee, if any

3. Warranty clause

4. Payment terms

5. Paying authority

\_\_\_\_\_  
**(Signature, name and address  
of the Purchaser's/Consignee's authorised official)  
For and on behalf of \_\_\_\_\_**

Received and accepted this contract

\_\_\_\_\_  
(Signature, name and address of the supplier's executive  
duly authorised to sign on behalf of the supplier)

For and on behalf of \_\_\_\_\_

(Name and address of the supplier)

\_\_\_\_\_  
(Seal of the supplier)

Date: \_\_\_\_\_

Place: \_\_\_\_\_



**SECTION - XVI**  
**CONTRACT FORM - B**  
**CONTRACT FORM FOR ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT**

Annual CM Contract No. \_\_\_\_\_ dated \_\_\_\_\_  
 Between \_\_\_\_\_

(Address of Head of Hospital/Institute/Medical College)  
 And \_\_\_\_\_

(Name & Address of the Supplier)

**Ref: Contract No \_\_\_\_\_ dated \_\_\_\_\_ (Contract No. & date of Contract for supply, installation, commissioning, handing over, Trial run, Training of operators & warranty of goods)**

In continuation to the above referred contract

6. The Contract of Annual Comprehensive Maintenance is hereby concluded as under: -

1	2	3	4					5
Schedule No.	BRIEF DESCRIPTION OF GOODS	QUANTITY. (Nos.)	Annual Comprehensive Maintenance Contract Cost for Each Unit year wise*.					Total Annual Comprehensive Maintenance Contract Cost for 5 Years [3 x (4a+4b+4c+4d+4e)]
			1 <sup>st</sup>	2 <sup>n</sup> <sub>d</sub>	3 <sup>r</sup> <sub>d</sub>	4 <sup>th</sup>	5 <sup>th</sup>	
			a	b	c	d	e	

Total value (in figure) \_\_\_\_\_ (In words) \_\_\_\_\_

- b) The CMC commence from the date of expiry of all obligations under Warranty i.e. from \_\_\_\_\_ (date of expiry of Warranty) and will expire on \_\_\_\_\_ (date of expiry of CMC)
- c) The cost of Annual Comprehensive Maintenance Contract (CMC) which includes preventive maintenance, labour and spares, after satisfactory completion of Warranty period may be quoted for next 5 years as contained in the above referred contract on yearly basis for complete equipment (including X ray tubes, Helium for MRI, Batteries for UPS, other vacuumatic parts, \_\_\_ & \_\_\_) and Turnkey (if any).
- d) There will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.
- e) During CMC period, the supplier shall visit at each consignee's site for preventive maintenance including testing and calibration as per the manufacturer's service/ technical/ operational manual. The supplier shall visit each consignee site as recommended in the manufacturer's manual, but at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.
- f) All software updates should be provided free of cost during CMC.

- g) The bank guarantee valid till \_\_\_\_\_ [(fill the date) 2 months after expiry of entire CMC period] for an amount of Rs. \_\_\_\_\_ [(fill amount) equivalent to 2.5 % of the cost of the equipment as per contract] shall be furnished in the prescribed format given in Section XV of the TE document, along with the signed copy of Annual CMC within a period of 21 (twenty one) days of issue of Annual CMC failing which the proceeds of Performance Security shall be payable to the Purchaser/Consignee.
- h) If there is any lapse in the performance of the CMC as per contract, the proceeds Annual CMC bank guarantee for an amount of Rs. \_\_\_\_\_ (equivalent to 2.5 % of the cost of the equipment as per contract) shall be payable to the Consignee.
- i) **Payment terms:** The payment of Annual CMC will be made against the bills raised to the consignee by the supplier on six monthly basis after satisfactory completion of said period, duly certified by the HOD concerned. The payment will be made in Indian Rupees.
- j) **Paying authority:** \_\_\_\_\_ (name of the consignee i.e. Hospital/ Institute /Medical College's authorised official)

\_\_\_\_\_  
**(Signature, name and address  
of Hospital/Institute/Medical College's authorised official)  
For and on behalf of \_\_\_\_\_**

Received and accepted this contract

---

(Signature, name and address of the supplier's executive  
duly authorised to sign on behalf of the supplier)

For and on behalf of \_\_\_\_\_

(Name and address of the supplier)

---

(Seal of the supplier)

Date: \_\_\_\_\_

Place: \_\_\_\_\_

**SECTION - XVII**  
**CONSIGNEE RECEIPT CERTIFICATE**  
**(To be given by consignee's authorized representative)**

The following store (s) has/have been received in good condition:

- 1) Contract No. & date : \_\_\_\_\_
- 2) Supplier's Name : \_\_\_\_\_
- 3) Consignee's Name & Address with  
telephone No. & Fax No. : \_\_\_\_\_
- 4) Name of the item supplied : \_\_\_\_\_
- 5) Quantity Supplied : \_\_\_\_\_
- 6) Date of Receipt by the Consignee : \_\_\_\_\_
- 7) Name and designation of  
Authorized Representative of  
Consignee : \_\_\_\_\_
- 8) Signature of Authorized  
Representative of Consignee with  
date : \_\_\_\_\_
- 9) Seal of the Consignee : \_\_\_\_\_

**SECTION - XVIII**  
**Proforma of Final Acceptance Certificate by the Consignee**

No \_\_\_\_\_

Date \_\_\_\_\_

**To**

M/s \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Subject:** Certificate of commissioning of equipment/plant.

**This is to certify that the equipment(s)/plant(s) as detailed below has/have been received in good conditions along with all the standard and special accessories and a set of spares (subject to remarks in Para no.02) in accordance with the contract/technical specifications. The same has been installed and commissioned.**

(a) Contract No \_\_\_\_\_ dated \_\_\_\_\_

(b) Description of the equipment(s)/plants: \_\_\_\_\_

(c) Equipment(s)/ plant(s) nos.: \_\_\_\_\_

(d) Quantity: \_\_\_\_\_

(e) Bill of Loading/Air Way Bill/Railway  
Receipt/ Goods Consignment Note no \_\_\_\_\_ dated \_\_\_\_\_

(f) Name of the vessel/Transporters: \_\_\_\_\_

(g) Name of the Consignee: \_\_\_\_\_

(h) Date of commissioning and proving test: \_\_\_\_\_

**Details of accessories/spares not yet supplied and recoveries to be made on that account.**

Sl. No.	Description of Item	Quantity	Amount to be recovered No.
---------	---------------------	----------	----------------------------

The proving test has been done to our entire satisfaction and operators have been trained to operate the equipment(s)/plant(s).

The supplier has fulfilled its contractual obligations satisfactorily ## or

The supplier has failed to fulfil its contractual obligations with regard to the following:

He has not adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to 'Technical Specifications'.

He has not supervised the commissioning of the equipment(s)/plant(s) in time, i.e. within the

period specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment(s)/plant(s).

The supplier as specified in the contract has not done training of personnel.

The extent of delay for each of the activities to be performed by the supplier in terms of the contract is

The amount of recovery on account of non-supply of accessories and spares is given under Para no.02.

The amount of recovery on account of failure of the supplier to meet his contractual obligations is\_\_\_\_\_ (here indicate the amount).

Signature

Name

Designation with stamp

**## Explanatory notes for filling up the certificate:**

i.He has adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to 'Technical Specification'.

ii.He has supervised the commissioning of the equipment(s)/plant(s) in time, i.e. within the time specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment(s)/plant(s).

iii.Training of personnel has been done by the supplier as specified in the contract

iv.In the event of documents/drawings having not been supplied or installation and commissioning of the equipment(s)/plant(s) having been delayed on account of the supplier, the extent of delay should always be mentioned in clear terms.

**SECTION - XIX**  
**AFFIDAVIT/UNDERTAKING**

I/ We have read and understood the instructions and the terms and conditions contained in the document. I/We accordingly accept all terms and conditions of the tender enquiry document including the essential conditions specially incorporated in the tender enquiry like terms of terms of payment, liquidated damages clause, warranty clause, dispute resolution mechanism applicable law. I/ We confirm that we do not stand deregistered/banned/blacklisted by any Govt. Authorities. I/ We do hereby declare that the information furnished/ uploaded is correct to the best of my/our knowledge and belief.I/ We hereby certify thatthe prices offered by us in this tender is not higher than the prices we had offered to any other Govt. of India Organisation(s)/PSU(s) during the last one year and shall provide the justification for reasonableness of our offered price whenever asked during evaluation of our submitted bid. I/ We also hereby certify that if at any time, information furnished by us is proved to be false or incorrect; I/ We are liable for any action as deemed fit by the purchaser in addition to forfeiture of the earnest money.

Date:

(Signature of the bidder)  
NAME & ADDRESS OF THE BIDDER

NOTE: To be submitted on non-judicial stamp paper of Rs. 10/- duly certified by Public Notary

**SECTION - XX**  
**CHECKLIST**

**Name of Tenderer:**  
**Name of Manufacturer:**

<b>Sl No.</b>	<b>Activity</b>	<b>Yes/ No/ NA</b>	<b>Page No. in the TE document</b>	<b>Remarks</b>
1. a.	Have you enclosed EMD of required amount for the quoted schedules?			
b.	In case EMD is furnished in the form of Bank Guarantee, has it been furnished as per Section XIII?			
c.	In case Bank Guarantee is furnished, have you kept its validity of 165 days from Techno Commercial Tender Opening date as per clause 19 of GIT?			
2. a.	Have you enclosed duly filled Tender Form as per format in Section X?			
b.	Have you enclosed Power of Attorney in favour of the signatory?			
3.	Are you a SSI unit, if yes have you enclosed certificate of registration issued by Directorate of Industries/NSIC			
4. a.	Have you enclosed clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications?			
b.	In case of Technical deviations in the compliance statement, have you identified and marked the deviations?			

Sl No.	Activity	Yes/ No/ NA	Page No. in the TE document	Remarks
5. a.	Have you submitted satisfactory performance certificate/ Installation Reports as per the Proforma for performance statement in Sec. IX of TE document in respect of all orders?			
b.	Have you submitted copy of the order(s) and end user certificate/ Installation Reports?			
6.	Have you submitted manufacturer's authorization as per Section XIV?			
7.	Have you submitted prices of goods, turnkey (if any), CMC etc. in the Price Schedule as per Section XI?			
8.	Have you kept validity of 120 days from the Techno Commercial Tender Opening date as per the TE document?			
9. a.	In case of Indian Tenderer, have you furnished Income Tax Account No. as allotted by the Income Tax Department of Government of India?			
b.	In case of Foreign Tenderer, have you furnished Income Tax Account No. of your Indian Agent as allotted by the Income Tax Department of Government of India?			
10.	Have you intimated the name and full address of your Banker (s) along with your Account Number			
11.	Have you fully accepted payment terms as per TE document?			
12.	Have you fully accepted delivery period as per TE document?			



Sl No.	Activity	Yes/ No/ NA	Page No. in the TE document	Remarks
13.	Have you submitted the certificate of incorporation?			
14.	Have you accepted the warranty as per TE document?			
15.	Have you accepted terms and conditions of TE document?			
16.	Have you furnished documents establishing your eligibility & qualification criteria as per TE documents?			
17.	Have you furnished Annual Report (Balance Sheet and Profit & Loss Account) for last three years prior to the date of Tender opening duly certified by chartered accountant bearing their membership no.?			
18.	Have you enclosed the Affidavit as per Section XIX of the TE Document?			

N.B.

1. All pages of the Tender should be page numbered and indexed.
2. The Tenderer may go through the checklist and ensure that all the documents/confirmations listed above are enclosed in the tender and no column is left blank. If any column is not applicable, it may be filled up as NA.
2. It is the responsibility of tendered to go through the TE document to ensure furnishing all required documents in addition to above, if any.

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**(Signature with date)**

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**(Full name, designation & address of the person duly authorised sign on behalf of the Tenderer)**

**For and on behalf of**

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**(Name, address and stamp of the tendering firm)**

**Section - XXI**  
**Consignee List**

<b>Consignee</b>	<b>Medical Institutions</b>	<b>Contact Address.</b>
	Director, Kalapana Chawla Govt. Medical College, Model Town, Karnal.	Director, Kalapana Chawla Govt. Medical College, Model Town, Karnal.

**NB:** The Purchaser/consignee will ensure timely issue of CDEC, Octroi Exemption Certificates, Road Permits & Entry Tax Exemption Certificates, wherever applicable, to the suppliers.

## TECHNICAL SPECIFICATIONS

### TECHNICAL SPECIFICATIONS FOR ORTHOPAEDICS DEPARTMENT

#### SCHEDULE 1

#### 1. Basic Instrument Sets for Fractures – Qty per Set motioned against each item

##### A. Instruments – International Standards - 2 Sets

Specifications: Following items manufactured to international standards (equivalent to AO Specification) by reputed multinational firms:

S.No.	DESCRIPTION	QTY.
1.	DHS/DCS Triple Reamer	2
2.	Quick coupling for DHS, DCS triple reamer	2
3.	Key for Jacob's reamer chuck AO 510.190	10
4.	Seating chisel for condylar blade plate	2
5.	Router for quick coupling for condylar blade plate	2
6.	Screw driver for 3.5 mm screws	10
7.	Screw driver for 4.5 mm screws	10
8.	Templates for 3.5 mm DCP plates	10
9.	Templates for 4.5 nun DCP plates	10
10.	Bending Plier for 3.5mm plates	4
11.	Bending Press for 4.5mm Plates	4
12.	Tap for DHS Lag Screw	2

##### B. Plaster Cutting Saw – - 2 Sets

SPECIFICATIONS:

- (i) Heavy duty, Light weight with aspirator.
- (ii) Ball Bearing mounted well ventilated motor for use on A.C. or D.C. supplies, with switch housed in a shockproof, insulated casing, Having input wattage of 90W.
- (iii) Saw Hand piece should be of light weight, with Gears Permanently Lubricated insulated from motor.
- (iv) Should be with Blades to cut normal and Synthetic Plasters.
- (v) Spare Blades -10

##### C. General Orthopaedic Instruments –

Specifications: Instrument Set containing following items made of good quality stainless steel

S. No.	DESCRIPTION	QTY
1.	Langenback Retractors i. Mini Langenback Retractor 10mm X 6mm ii. Mini Langenback Retractor 22mm X 8mm iii. Kocher Langenback Retractor 40 X 11mm X 21cm iv. Langenback Retractor 30 X 11	10 Sets
2.	Hohmann's Retractors i. 8mm Blade ii. 10mm Blade	6 Sets

	iii. 17mm Blade	
	iv. 43mm Blade	
	v. 13/25mm Blade	
3.	Hip Retractor set with quadrilateral frame and six spare blades	2 Nos
4.	Jacob's drill (open type/closed type)	30 Nos
5.	BP knife handles	20 Sets
	No 3 size	
	No 4 size	
	No 5 size	
6.	Bone levers	20 Sets
	Small size	
	Medium size	
	Large size	
7.	Hammer - 12	
	i. Collin Mallet 10 Nos.	
	ii. Gerzog Mallet - 10 Nos.	
	iii. Nylon Faced Hammer - 20 Nos	
8.	Bone Holding Reduction Forceps with locking device	
	Small for forearm bones - 6 pairs	
	Medium - 6 pairs	
	Large for leg bones - 6 pairs	
9.	Bone Holding Forceps	18 Sets
	Lane's- Small, Medium, Large size 6 each.	
	Ferguson's- Small, Medium, Large size	
	Hey Grove's- Small, Medium, Large size	
	Burn's – Small, Medium, Large size	
10.	Bone forceps with Wire Passer (two blunt blades with hole for Passing K wire to fix phalanx fractures)	10 Nos
11.	Bone Reduction forceps with radiolucent attachment to pass Wire to fix the fractures	20 Nos.
12.	Forearm clamps with provision for passing plates without Removing the clamp	20 Nos
13.	Wire holding forceps	20 Nos
14.	Wire holding pliers	10 Sets
	Small	
	Large	
15.	Wire bending pliers – 5 each of blunt tip and sharp tip	10 Nos
16.	Wire tensioner	20 Nos
17.	Wire passer	20 Nos
18.	Bending Irons for 3.5 mm plates	20 Nos
19.	Bending Irons for 4.5 mm plates	20 Nos

20.	Bending Irons for reconstruction plates	20 Nos
21.	K Wire Traction Set Complete	10 Sets
	a) Each set should contain	
	i. Kirschner Stirrup for wire extension- 5 Nos.	
	ii. K – Wire double ended 200mm - 50 Nos.	
	b) Each Set Should Contain	
	i. Gissane Stirrup for wire extension – 5 Nos.	
	ii. K- Wire double ended 200mm - 50 Nos.	
22.	Bohler"s Stirrups of Assorted Sizes	200 Nos
23.	Bernhard Towel Forceps 6 ½	100 Nos each
	Backhaus Towel Forceps 5"	100 Nos each
24.	Sims Maier Sponge Holding 11"	50 Nos
25.	Probe Nelaton 16cm	10 Nos
26.	Skin Hooks	20 Nos
	Gillies of size 1 & 3	10 Nos
27.	Amputation Saw (Charriere Type)	10 Nos
28.	Bone Curette	5 Sets
	i. Volkman All Size	
	ii. Maartini Curettes All Size	
29.	Patella Holding Forceps, 4 prong/3 prong	4 Sets
30.	Pointed reduction Clamp (AO type, small, medium, large)	6 pairs each
31.	AO type self centric Forceps, (AO type, small, medium, large)	6 pairs each
32.	Low Man clamp, small, medium, large	4 nos each
33.	Depth Gauge for miniscrews	5 Sets of each of following:
	1.5 mm to 2 mm screw	
	2.0 mm to 2.5 mm screw	
	2.7 mm to 4.0 mm screw	
	4.5 mm screw	
34.	Tap Sleeve for	10 Sets
	4.5 mm tap	
	3.5 mm tap	
35.	Drill Sleeve for	10 Sets
	3.2 mm drill bit	
	2.5 mm drill bit	
36.	Autoclavable storage box for AO screws	5 Nos
37.	Autoclavable storage box with trays for AO plating instrument set	5 Nos
38.	Long handled Bone curette	10 Sets
	i. - Non serrated edge	
	ii. - Serrated edge	
39.	Gigli Saw Instrument set	5 Sets
	Each set should contain	

- I. Gigli Saw Handle - 1 pair  
II. Gigli Saw Wires - 100 Nos.

40.	Patella reduction clamp	10 Nos
41.	Patella wire passer	4 Nos
42.	Ring Cutter	10 Nos

#### D. General Instruments For Orthopaedic Surgery (Long Lasting Imported)

Specifications: Following items manufactured to international standards by reputed multinational firms

<u>S.NO</u>	<u>SPECIFICATIONS</u>	<u>QTY.</u>
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##### 1 SCISSORS

STANDARD SURGICAL SCISSOR BLUNT/BLUNT, STRAIGHT LENGTH 13 CM - 10  
STANDARD SURGICAL SCISSOR BLUNT/BLUNT, STRAIGHT LENGTH 18.5 CM - 10  
STANDARD SURGICAL SCISSOR BLUNT/BLUNT, CURVED LENGTH 13 CM - 10  
STANDARD SURGICAL SCISSOR BLUNT/BLUNT, CURVED LENGTH 18.5 CM - 10  
STANDARD SURGICAL SCISSOR SHARP/BLUNT STRAIGHT LENGTH 13 CM - 10  
STANDARD SURGICAL SCISSOR SHARP/BLUNT STRAIGHT LENGTH 18.5 CM -10  
STANDARD SURGICAL SCISSOR SHARP/BLUNT, CURVED LENGTH 13 CM - 10  
STANDARD SURGICAL SCISSOR SHARP/BLUNT, CURVED LENGTH 18.5 CM - 10  
MAYO DISSECTING SCISSOR STRAIGHT LENGTH 14.5 CM - 10  
MAYO DISSECTING SCISSOR STRAIGHT LENGTH 20 CM - 10  
MAYO DISSECTING SCISSOR CURVED LENGTH 14.5 CM - 10  
MAYO DISSECTING SCISSOR CURVED LENGTH 20 CM - 10  
METZENBAUM DISSECTING SCISSOR BLUNT/BLUNT, STRAIGHT LENGTH 18 CM - 10  
METZENBAUM DISSECTING SCISSOR BLUNT/BLUNT, STRAIGHT LENGTH 25 CM - 10  
METZENBAUM DISSECTING SCISSOR BLUNT/BLUNT, CURVED LENGTH 18 CM - 10  
METZENBAUM DISSECTING SCISSOR BLUNT/BLUNT, CURVED LENGTH 25 CM - 10  
BEEBEE WIRE CUTTING SCISSOR BLUNT/BLUNT, STRAIGHT LENGTH 12 CM - 10  
BEEBEE WIRE CUTTING SCISSOR BLUNT/BLUNT, CURVED LENGTH 12 CM - 10  
LISTER BANDAGE AND PLASTER SHEAR SCISSOR LENGTH 20 CM - 10  
BERGMANN BANDAGE AND PLASTER SHEAR. SCISSOR LENGTH 23 CM - 10  
IRIS SCISSORS 11.5 CM STRAIGHT - 10  
IRIS SCISSORS 11.5 CM CURVED - 10

##### 2. FORCEPS

USA STANDARD DRESSING FORCEPS LENGTH 14.5 CM - 10  
USA STANDARD DRESSING FORCEPS LENGTH 20 CM - 10  
ADSON DRESSING FORCEPS LENGTH 12 CM -10  
ADSON DRESSING FORCEPS LENGTH 15 CM - 10  
TAYLOR DRESSING FORCEPS WITH DISSECTOR END LENGTH 17.5 CM - 10  
TAYLOR DRESSING FORCEPS WITH DISSECTOR END LENGTH 18.5 CM - 10  
BROPHY DRESSING FORCEPS STRAIGHT LENGTH 20 CM - 10  
STANDARD TISSUE FORCEPS 1 X 2 TEETH LENGTH 14.5 CM - 10  
STANDARD TISSUE FORCEPS 1 X 2 TEETH LENGTH 20 CM - 10  
STANDARD TISSUE FORCEPS 1 X 2 TEETH MEDIUM WIDE LENGTH 14.5 CM - 10  
STANDARD TISSUE FORCEPS 1 X 2 TEETH MEDIUM WIDE LENGTH 20 CM - 10  
STANDARD TISSUE FORCEPS FINE 1 X2 TEETH LENGTH 14.5 CM - 10  
STANDARD TISSUE FORCEPS FINE 1 X 2 TEETH LENGTH 20 CM - 10  
USA STANDARD TISSUE FORCEPS 1 X 2 TEETH LENGTH 14.5 CM - 10  
USA STANDARD TISSUE FORCEPS 1 X 2 TEETH LENGTH 20 CM - 10  
DEBAKEY ATRAUMATIC DISSECTING FORCEPS 1.5 MM STRAIGHT LENGTH 16 CM - 10  
DEBAKEY ATRAUMATIC DISSECTING FORCEPS 1.5 MM STRAIGHT LENGTH 20 CM - 10  
DEBAKEY ATRAUMATIC DISSECTING FORCEPS 2.7 MM STRAIGHT LENGTH 16 CM - 10  
DEBAKEY ATRAUMATIC DISSECTING FORCEPS 2.7 MM STRAIGHT LENGTH 20 CM - 10

HALSTEAD - MOSQUITO FORCEPS STRAIGHT LENGTH 14 CM - 100  
 HALSTEAD - MOSQUITO FORCEPS CURVED LENGTH 14 CM - 100  
 HALSTEAD FORCEPS STRAIGHT LENGTH 21 CM - 100  
 HALSTEAD FORCEPS CURVED LENGTH 21 CM - 100  
 RANKIN - KELLY FORCEPS STRAIGHT LENGTH 16 CM - 100  
 RANKIN - KELLY FORCEPS CURVED LENGTH 16 CM - 100  
 NEGUS FORCEPS CURVED LENGTH 19 CM - 100  
 KOCHER (ROCHESTER- OCHSNER) FORCEPS 1 X 2 TEETH STRAIGHT LENGTH 18 CM - 50  
 KOCHER (ROCHESTER- OCHSNER) FORCEPS 1 X 2 TEETH STRAIGHT LENGTH 20 CM - 50  
 KOCHER (ROCHESTER- OCHSNER) FORCEPS 1 X 2 TEETH CURVED LENGTH 18 CM - 50  
 KOCHER (ROCHESTER- OCHSNER) FORCEPS 1 X 2 TEETH CURVED LENGTH 20 CM - 50

### 3. NEEDLE HOLDERS

CRILE-WOOD NEEDLE HOLDER SERRATED P04, LENGTH 15 CM - 20  
 CRILE-WOOD NEEDLE HOLDER SERRATED P04, LENGTH 20 CM - 20  
 STRATTE NEEDLE HOLDER SERRATED P05, LENGTH 23 CM - 20

### E. General Instruments For Orthopaedic Surgery

Following items manufactured to international standards by reputed multinational firms

<u>S. No.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
---------------	--------------------	-------------

- |     |   |  |
|-----|---|--|
| 1.  | Bone Rongeur – Double Action<br>Small size - 18 cm<br>Medium Size 23 cm - 10<br>Large Size 27cm - 10<br>Sergent Bone Rongeur - 4<br>Duckbill Bone Rongeur - 4<br>Lacksell Bone Rongeur - 4  |  |
| 2.  | Bone cutter – Double Action straight & curved<br>Small Size 18cm - 10<br>Medium Size 23 cm - 10<br>Large Size 27cm, - 10<br>Tudur Edward - 4  |  |
| 3.  | K- Wire Cutter (Capacity 4 mm) with replaceable tungsten carbide<br>Blades with rubber Jaws Set - 10 Sets.<br>Should consist of:<br>i. K- wire cutter 28cm<br>ii. Spare Blades 4 pairs with Screws<br>iii. Spare Rubber Jaws 4 Pairs with Screws<br>iv. Allen keys 4 sets |  |
| 4.  | Stienmann Pin Cutter cutting capacity up to 6mm - 10  |  |
| 5.  | Bone Curette Double Ended Round/Oval<br>Small 13 cm - 20<br>Medium 16 cm - 20<br>Large 20 cm - 20   |  |
| 6.  | Loute wire tightener cum wire cutter - 10   |  |
| 7.  | Wire Bending cum cutter plier length 15 cm - 10   |  |
| 8.  | Osteotomes, straight with tufnol handle, 10 each of sizes 7,10,15, 20 mm width - 40   |  |
| 9.  | Osteotomes, curved with tufnol handle, 10 each of sizes 7,10,15, 20 mm width - 40   |  |
| 10. | Osteotomes, straight with tufnol handle, 10 each of sizes 4, 6, 8, 10, 12 mm - 50   |  |
| 11. | Chisel Straight with tufnol handle 10 of each sizes 7,10,15,20 mm - 40  |  |
| 12. | Retractors<br>Wullstein-Weitlaner Self-Retaining Retractor 3 X 3 Teeth Blunt Length 13 Cm 20  |  |

- Weitlaner Self-Retaining Retractor 3 X 4 Teeth Blunt Length 163 Cm 20
- Weitlaner Self-Retaining Retractor 3 X 4 Teeth Blunt Length 26 Cm 20
- Adson Self-Retaining Retractor 3 X 4 Teeth Blunt Length 26 Cm 20
- Gelpi Self-Retaining Retractor With Balls, Blunt Length 18 Cm 20
- 13. Elevators
  - Farabeuf Periosteal Elevator, Straight 13 Mm Length 15 Cm - 20
  - Farabeuf Periosteal Elevator, Curved 13 Mm Length 15 Cm - 20
  - Lambotte Periosteal Raspatory and Elevator, Curved 10mm Length 21 Cm - 20
  - Mc Donald Elevator Double Ended Curved 6/6 Length 19 Cm - 15
  - Cobbs Elevator Medium 13mm with Long Handle - 10
  - Cobbs Elevator Large 19mm With Long Handle - 10
  - Bristows - 10
- 14. Bolt Cutter
  - Bolt Cutter Maximum Capacity Dia 6mm Length 56 cm - 10
- 15. Lead hands
  - Lead Hands for Adults - 10
- 16. Jacobs Chuck with Handle
  - Jacobs Drill Three Jaw Chuck With Key, Max Dia 6.35mm Length 14 cm - 30
- 17. Awls
  - With T-Handle Length 14 cm - 20
  - With Round Handle Length 14 cm - 20
- 18. Skin Grafting Handle with Blades - 10

**F. Broken screw removal set -**

**- 2 Sets**

- Aluminium Case, perforated - 1
- Hollow Reamer for 3.5/4.0mm Screws - 1
- Spare Reamer Tube - 1
- Extraction Bolt for 3.5/4.0mm Screws - 1
- Extraction Screw, conical, for 2.7mm, 3.5mm and 4.0mm Screws - 1
- Hollow Reamer for 4.5mm Screws - 1
- Spare Reamer Tube - 1
- Extraction Bolt for 4.5mm Screws - 1
- Extraction Screw, conical, for 4.5/6.5mm Screws - 1
- Hollow Reamer for 5.0/6.0/6.5/7.0mm Screws - 1
- Spare Reamer Tube - 1
- Extraction Bolt, for 5.0/6.0/6.5/7.0mm Screws - 1
- Aluminium Plate, anodized - 1
- Sharp Hook, approx. L 155mm - 1
- Forceps for Screw Removal, approx. L 205mm - 1
- Gouge, 10mm wide, approx. L 205mm - 1
- T-Handle with quick coupling, approx. L 80mm - 1

**G. Nail Removal Set**

**- 2 Sets**

- Connector for Extract-Hook Connector with thread, for Extraction Hook - 1
- Extract-Hook approx. L 480 for Nails 9mm to be used with connector -1
- Extract-Hook long for Nails 9-11mm to be used with connector - 1
- Extract-Hook long for Nails 11-14mm to be used with connector - 1

**H. Wire Instrument set**

**- 2 Sets**

- Aluminium Case, perforated - 1
- Drill Bit, 2.0mm dia., approx. L 102/75mm for quick coupling - 4
- Triple Drill Guide 2.0 with 3 holes, opposite side 1 hole - 3
- Wire Passer, 45mm bending diameter - 3
- Wire Passer, 70mm bending diameter - 3
- Wire Tightener with handle and two pegs - 4



Holding Forceps for Cerclage Wires - 4  
 Wire Bending Pliers - 4  
 Parallel Pliers, flat nosed, approx. L 160mm - 4  
 Wire Cutter, large, approx. L 200mm - 4  
 Wire Cutter, short, approx. L 175mm - 4  
 Bending Iron, for Kirschner Wires 1.25 to 2.5mm dia. - 1  
 Cerclage Wire, 1.0mm dia., with approx. eye L 280mm - 2  
 Cerclage Wire, 1.25mm dia., with approx. eye L 280mm - 2  
 Wire Mount – 4

**I. 4.5 / 4.0 mm Cannulated set**

**- 2 Sets**

Drill Bit 1.5mm, approx. L110/85 2flute - 1  
 Drill Bit 3.2/1.75 cann approx. L170/140 4flute - 2  
 Countersink-cann 4.5 mm - 1  
 T-Handle w/Quick-Coupling - 1  
 Double Drill Guide 4.5/3.2 mm - 1  
 Parallel-Guide for Guide-Wires 1.6 mm adjust -1  
 Trocar 1.6 /4.5 mm - 1  
 Drill Sleeve 3.2/1.6 /4.5mm - 1  
 Drill Sleeve 7/3.2 /4.5 mm - 1  
 Protect-Sleeve 9.5/7 /4.5 mm - 1  
 Screw Driver-hex-cann 4.5mm - 1  
 Holding-Sleeve - 1  
 Direct Measuring-Device 4.5mm -1  
 Clean-Stylet 1.6mm - 1  
 Hold-Clip for Washers - 1  
 Screw Forceps self-hold approx. L85mm - 1  
 Guide Wire 1.6mm, with thread-tip with trocar approx.L15mm -10  
 Aluminium Case, perforated - 1  
 Screwdriver Shaft, hexagonal, large, approx. L 100mm - 1  
 Screwdriver hexagonal, large 3.5 mm with groove approx. L280 mm -1

**NOTE:** The Instrument should be usable for 4.5 as well as 4.0 mm cannulated screws.

**J. Hemi Replacement Instrument Set**

**– 2 Sets**

The following instruments are made of good quality of stainless steel

<b>S. No.</b>	<b>DESCRIPTION</b>	<b>QTY.</b>
a)	Hemire placement Instrument Set Complete With trial A.M. Prosthesis one each of sizes From 39mm to 54mm	2 sets

**K. Manual Plaster Removal Set Complete**

**- 2 sets**

Each Set Should Contain the following instruments are made of good quality of stainless steel

<b>S. No.</b>	<b>DESCRIPTION</b>	<b>QTY.</b>
i.	Cast Spreader Beeson 30cm:	1No.
ii.	Model U.S.A.:	1No.
iii.	Engle Plaster Swa:	5Nos.
iv.	Stille Plaster Shear 37 cm:	1No

**L. Rigid Reamers set for intramedullary reaming –complete set – 2 Sets**

- a) Each Set Should Contain the instruments made of good quality of stainless steel
- b) Can ream intramedullary canal with ease (Large Bones & Small Bones) with ease.
- c) Set should come along with variable Reamer diameters.

**M. Flexible Reamers set for intramedullary reaming –complete set – 2 Sets**

Each Set Should Contain the following instruments are made of good quality of stainless steel

<b>S. No.</b>	<b>DESCRIPTION</b>	<b>QTY.</b>
i)	The reaming system intended for reaming large bones and small bones should be able to provide secure reduction.	
ii)	The system should facilitate reduced pressure and minimal heat builds up during its application in surgery.	
iii)	The system should have easy handling and should provide optimal cleaning.	
iv)	The system should comprise of suitable size reamer heads with the NITINOL (super elastic) shaft.	
v)	The system should be capable of reaming both clockwise and anticlockwise.	
vi)	The system should come along with reamer diameters of 8.5-13.5mm.	
vii)	<b>The starting reamer of 8.5mm must be equipped with front cutting edges</b>	
viii)	The reaming rod should not be less than 950mm and not more than 1150mm with diameter not more than 2.5mm.	
ix)	The shaft should be compatible with the feature of non-manual insertion of the reamer head directly from the tray.	
x)	The system should come along with the reduction head for fragment reduction with curved and straight tip the displacement of which should not be more than 2.5mm.	
xi)	The reaming system should be made available with the appropriate T-Handle which should be compatible to hold the shaft manually without the power drive.	
xii)	The system should come along with appropriate size of guide wire for reaming of the large bones and should carry a tissue protector.	
xiii)	The system should have a Tissue Protector with a length of 140mm	
xiv)	The system should have a T-Handle with quick coupling with a length of 85mm	
xv)	Removing Tool for Ream should be available for removing reamer heads from the reaming shaft	
xvi)	One hand reamer should be available with a diameter of 8mm for predrilling in pseudarthroses	
xvii)	The system should have a reaming rod of 2.5mm diameter and length of 950mm and an olive tip of 3.5mm	
xviii)	7mm diameter flexible shaft should be available which gives a reaming depth to 470mm	
xix)	Cleaning Brush for 3.6mm Flexible Shaft of 600mm should be available in the set	
xx)	Straight reduction head should be available in the set	
xxi)	Reduction Head for displacement 2.5mm should be available in the set	
xxii)	Reamer Heads starting from 8.5 to 13.5 in increments of 8.5 should be available with 8mm reamer being front cutting.	

**SCHEDULE 2****2. Small Fragment sets – Qty per Set****- 1 Set**

Aluminium Case, perforated - 1  
 Drill Bit, 2.5mm dia. approx. L 110/85mm for quick coupling - 2  
 Drill Bit, 3.5mm dia. approx. L 110/85mm, for quick coupling - 2  
 Countersink Shaft 3.5, approx. L 72mm - 1  
 Tap for 3.5mm Cortex Screws - 2  
 Tap for 4.0mm Cancellous Bone Screws - 2

T-Handle with quick coupling, approx. L 80mm - 2  
Double Drill Sleeve - 3.5/2.5 1  
Insert Drill Sleeve 3.5/2.5, approx. L 42mm Drill Bit 2.5mm dia. - 1  
Screwdriver, hexagonal, small, with Holding Sleeve - 1  
Screwdriver Shaft, hexagonal, small, approx. L 100mm, for quick coupling - 1  
Screwdriver, hexagonal, small, with groove, approx. L 200mm -1  
Holding Sleeve approx. L 80mm -1  
Depth Gauge for 2.7mm to 4.0mm Screws -1  
Sharp Hook, approx. L 155mm - 1  
Holding Clip 4.5 - 7.0mm - 2  
Screw Forceps, self-retaining, approx. L 85mm - 1  
DCP Drill Sleeve 3.5 for neutral and load position - 1  
Bending Iron, slit widths 4.5/2.5mm, approx. L 150mm, for Plates 2.7 and 3.5 - 1  
Bending Iron, slit widths 2.5/4.5mm, approx. L 150mm, for Plates 2.7 and 3.5 - 1  
Bending Pliers for Plates 2.4 to 4.0mm - 1  
Bending Template for DCP 3.5 and LC-DCP 3.5 approx. L 80mm - 1  
Bending Template for DCP 3.5 and LC-DCP 3.5 approx. L 110mm - 1  
Wire Bending Pliers, approx. L 150mm - 1  
Bending Iron, for Kirschner Wires 1.25 to 2.5mm dia., approx. L 120mm – 1

The instrumentation should allow for drilling, tapping, compression, neutralization, buttressing and fixation of 3.5 mm cortical screws and 4 mm cancellous screws

### **SCHEDULE 3**

#### **3. Large Fragment sets – Qty per Set**

**- 1 Sets**

Aluminium Case, perforated - 1  
Drill Bit, 3.2mm dia. approx. L 145/120mm for quick coupling - 2  
Drill Bit, 4.5mm dia., approx. L 147/120mm for quick coupling - 2  
Countersink, large, approx. L 180mm - 1  
T-Handle with quick coupling, approx. L 80mm - 2  
Tap for 4.5mm Cortex Screws - 2  
Tap for 6.5mm Cancellous Bone Screws - 1  
Double Drill Sleeve 4.5/3.2 - 1  
Double Drill Sleeve 6.5/3.2 - 1  
Screwdriver Shaft, hexagonal, large approx. L 100mm - 1  
Screwdriver, hexagonal, large, with groove, approx. L 240mm - 1  
Holding Sleeve, large, approx. L 120mm - 1  
Depth Gauge for 4.5 to 6.5mm Screws - 1  
Sharp Hook, approx. L 155mm - 1  
DCP Drill Sleeve 4.5 - 1  
Universal Drill Sleeve 4.5 - 1  
LC-DCP Drill Sleeve 4.5 - 1  
Bending Template for DCP 4.5 and LC-DCP 4.5 approx. L 210mm - 1  
Bending Template for DCP 4.5 and LC-DCP 4.5 approx. L 120mm - 1  
Bending Template for DCP 4.5 and LC-DCP 4.5 approx. L 155mm - 1

The instrumentation should allow for drilling, tapping, compression, neutralization, buttressing and fixation of 4.5 mm cortical screws and 6.5 mm cancellous screws.

### **SCHEDULE 4**

#### **4. External Fixator – Qty per Set**

**- 3 Sets**

##### **i) Instruments – Made of Medical Grade Stainless Steel**

The following instruments are made of good quality of stainless steel

<b>S. No.</b>	<b>DESCRIPTION</b>	<b>QTY.</b>
a)	Ilizarov Instrument Set Complete Each set should contain: i. Half Rings 140, 160, 180, 200 & 220 - 10 Nos. Each ii. 5/8 Rings as above 1 Each iii. Wire Fixation Bolt Cannulated 200 iv. wire fixation bolt slotted 200 v. Connection Bolts 100 vi. Nuts 500 vii. Threaded Rod 100mm 125, 150, 200, 50, 300 - 10Nos. Each viii. Male Post & Female Posts 2,3 & 4 hole: 10 Nos. Each ix. Washers 200 x. Twisted Plates 2, 3, 4 hole: - 10 Nos. Each xi. K-Wires 1.8mm with trocar. 100 xii. K-wires 1.8mm with Bayonet 100	3 sets
b)	External Fixator Instrument Set Complete Each Set Should Contain i. Universal Clamps for 10 sets ii. Tibia and Femur 100 No. iii. Tubular Rod assorted size 20,30 cm 10 Nos. Each iv. Schanz Pin 4.5 & 5mm 100 v. Tranverse Clamps 10 Nos vi. Tube to Tube Clamp 10 Nos vii. Delta Clamps 10 Nos viii. Mini Clamp 2.5mm 50 ix. Mini Clamp 3.5mm 50 x. Schanz Pin 2.5mm 50 xi. Schanz Pin 3.5mm 50 xii. Connecting Rods 15cm 5 xiii. Connection Rods 20cm 5 xiv. Spanner Stainless Steel 11mm 5 xv. Spanner Stainless Steel 8mm 5	6 sets
c)	Skull Traction Instrument Set Complete Each Set Should Contain 10sets i. Crutchfield Tongs 25 Nos ii. Bur 1 No	6 Sets
d)	Staple Inserter, Extractor Set Complete With 50 Assorted Sizes Stapleg 4	6 Sets

**Technical Specifications for all Instrument Sets:**

1. Company should have relevant experience in successful execution of similar work at least in five Institutes of national importance and Central Government Institutes.
2. **Company should be at least in its 5 years of operations at the date of submission of tender.**
3. Bidder must enclose original literatures & technical data sheet in the support of the technical bid.
4. Complete set of Instruments should be quoted otherwise the bids shall be summarily rejected and Sample for Physical demo is to be produced for evaluation as & when demanded.
3. Instruments quality should meet the international standard.
4. Company should have **European CE certificates and USFDA certificates** of International Standard.
5. Company should provide material certificates.
6. Material – Medical Grade Stainless Steel
7. Grade- ISO 5832-1
8. Wherever applicable, the instruments should contain the above for proper insertion, handling, cutting, bending, holding, and tightening of Cerclage, Kirschner wires.

## **SCHEDULE 5**

### **5. Arthroscope**

**- 1 Set**

Specifications for Arthroscopy System: Complete Arthroscopy Set with high definition camera, HD monitor 26", Scope, General Instruments, Shaver System, ACL/PCL Reconstruction Set, Arthroscopy Pump System

#### **High Definition 3 chip Camera System:**

1. Resolution of 1920X1080 pixels full HD progressive scan which displays 50-60 frames/sec 16:9/16:10 format. DVI-D, RGB, S-VHS video output. Inbuilt 16 step digital Image Enhancer on console – **1 No.**
2. Console – **2 Nos.**
  - i. Camera console 220 v with universal coupler & Autoclavable camera Integrated Flexible Scope filter
  - ii. Shockproof prism mounting
  - iii. Signal to Noise ratio-70 db
  - iv. 1080P Progressive scan technology both on camera head & console
  - v. Aperture Control on console
  - vi. Brightness Control on console & camera head
  - vii. Two peripheral control on camera head. Digital zoom & white balance on camera head
  - viii. Should have integrated optical zoom lens 14 -30mm, to increase and decrease the size of image which should remain in focusing zone, without readjusting the focus
  - ix. Should have USB/Image Capture Module interface for direct storage of still & video sequences and to print the still images or complete external video recording of medical grade should be provided.
  - x. The camera head should have integrated zoom and focus lens/rings to make it fully soakable

#### **LED Light Source - 1 No.**

- i. Light intensity is dimmable from zero to 100 percent and can be controlled via the camera head.
- ii. Universal jaw for accepting any make fiber optic cable.
- iii. Adjustable light intensity from 0 to 100 percent; lamp life of >20000 hours.
- iv Extra long Fiber Optic Cable, fully autoclavable.

#### **High Definition Monitor 26" – 1 No.**

High Definition monitor, screen 26", 1080p Full HD wide view monitor with aspect ratio of 16:10  
Option for wall mounting and desktop in same unit

#### **Arthroscope Sets**

##### **HD Telescope, Autoclavable, fiber optic light transmission**

Wide Angle Forward Oblique, 4mm, 30 Deg, enlarged view, diameter 4 mm, length 16-18 cm – **2 Nos.**

Wide Angle lateral, 4mm, 70 Deg, enlarged view, diameter 4 mm, length 16-18 cm – **1 No.**

Forward oblique Telescope 30°, diameter 2.7mm, length 11 cm – **1 No.**

High Flow arthroscopic Sheath with snap incoupling mechanism diameter 6.5mm, working length 13.5 cm, two stopcocks, for use with telescopes 0°, 30°, 70° with Obturators sharp and blunt (Two each) – **2 Nos.**

High flow arthroscopy sheath with snap in coupling mechanism, diameter 3.5mm, working length 6.5cm, two stopcocks, rotating, for use with 30° Telescope – **1 No.**

#### **Shaver System**

Console – **1 No.**

- Electronic Control Unit
- Pre Programmed Memory
- Shaving RPM 1000-12000, Oscillation mode 500-3000 RPM

Foot Control – **2 Nos.**

Handpiece: Autoclavable, quick coupling of blades should be possible – **2 Nos.**

Should be provided with a Small joint shaver handpiece – **1 No.**

Should be provided with multifunction hand pieces, with Jacobs chuck (keyless) upto a diameter of 6.5mm, sagittal saw with attachment with blades, pin driver and synthes driver – **2 Nos each.**

Disposables – **30 Nos each.**

- Full radius resector-
- End cutter-
- Aggressive Cutter.
- Meniscus Cutter.
- Oval Burr

**ACP/PCL Reconstruction Set - 1 No. Each.**

1. Tendon stripper, graduated, closed 5.5mm length 30 cm.
2. Tendon stripper, graduated, closed 7mm length 30 cm.
3. Tendon stripper, graduated, open 7.5 mm length 30 cm.
4. Tendon hook
5. Thickness Tester for checking thickness of tendon 7-12 mm in intervals of 0.5mm.
6. Tibial Guide for ACL reconstruction
7. Femoral Offset Guide, offset 3mm, 4mm, 5.5mm (for transtibial femoral prepatation) - one each
8. Femoral Offset Guide for anteromedial portal preparation, 7,8,9,10mm offset-one each
9. Reamers 4,5,6,7,8,9,10
10. Length Guage for measuring the tunnel.
11. Reaming Wire
12. Currette
13. Rasp
14. Suture grasper
15. Femoral target guide for outside in PCL reconstruction
16. Femoral target guide with handle for PCL reconstruction for use through anterolateral portal 4 locking positions for drill 7, 8, 9,10mm.
17. Tibial target guide for PCL, Straight, curved to left, curved to right-one each.
18. Thread catcher for PCL reconstruction.
19. PCL awl.
20. Raspatory for PCL reconstruction.
21. Cannulated screw driver for Titanium and bioabsorbable interference screws – one each
22. Notcher with fin like blade to assist in inserting interference screws.
23. Hook Probe: graduated, length of hook 3mm, diameter1.5mm, working - length 18cm.

**Graft Preparation board – 2 Nos.**

- Graft board with gliding sliders for easy and single handed operations
- Suitable for single bundle, double bundled and bone tendon bone BTB repairs
- Compatible with endobutton type fixation devices
- Built in sizers for the graft (both soft tissue and bone)
- Provisions for specific graft tensions
- Graft clamp teeth for secuing graft for tensioning during preparations

**Arthroscopic Pump System with Tubing:**

**1 No.** each of following:

- Should be able to control the inflow and outflow of the fluid in the joint
- Should be able to maintain constant higher pressures when required

- Should give ripple free fluid flow.
- Pole mount or stand alone system
- Digital display of pressure
- Pole mount/stand alone console with autoclavable remote control
- Maximum flow rate of 2000ml/minute with maximum pressure upto 150mmHg
- The tubing should have a back flow restrictor
- Should be operable on mains and battery both with rechargeable battery
- Automatic Battery back-up should be provided in case of power failure

Disposables: Arthroscopic Inflow/Outflow tubing (10-15 ft) set with connector – **30 Nos.**

**High Definition Recording System – 1 No.**

- Real time, MPEG 2 HD, 1 or 2 compression engine with full IBP encoding
- Video inputs minimum 2 nos. S-Video, 2 nos. Composite, 1 XGA (1024 X 768) and 1 High-Definition (1280 x 1024)
- Video outputs S-Video, Composite, DVI & XGA (1024 X 768, 1280 X 1024, and 1600 X 1200)
- Capable of Progressive scan image capture: Analog (640 x 480), Hi-Res (1024 x 768), and
- Stereo audio Input.
- Disc Capacity of 500GB
- Touch screen (min 10”) control panel interface
- Multi session disc recording capability Supports file formats for images: Bitmap (BMP), JPEG, JPEG2K

**Modular Cart - 1 No.**

- Made of rust free material, of same manufacturer as the rest of arthroscopy system
- Front-locking casters
- Lipped top holds monitor
- Four equipment shelves
- Open back for equipments access
- Power bar with 8 AC outlets and 14.5 foot power cord

**Floor suction pump - 1 No.**

1. A re-usable floor suction plate which can be connected to standard suction machine in the Operating room.
2. Should have a detachable telescoping handle and connector.
3. Should have arrangement for removal of excess irrigation fluid to avoid flooding.
4. Should be easy to clean and user friendly.

**Arthroscopic leg holder** with all round padding, 360 swivel and rotating, height adjustable with appropriate clamp to fit into the side rail of table – **1 No.**

Bidder will be responsible for installation and commissioning of complete high definition arthroscopy system in modular theatres.

System has to be supplied with boom and stands required for integration of high definition arthroscopy system with modular theatres.

All components should be USFDA/European CE certified.

The following Hand instruments must be provided with the system:

All hand instruments should have one piece out shaft with excellent control over the cutting process	
<b>Punches</b>	
All purpose, low profile not more than 3 mm enables access to structures in narrow joint areas with large aperture angle allows efficient resection. Should have and ergonomic handle for controlled, measured and non tiring cutting.	
<b>Punches cutting width 2.5-2.7mm Qty-1 each</b>	

Straight cutting width 2.7 mm, shaft diameter 3.5 mm Working length 13 cm	1
Upturned 15 deg Cutting width 2.7 mm, shaft diameter 3.5 mm, working length 13cm	1
Jaws curved 30 deg left Cutting width 2.7 mm, shaft diameter 3.5 mm, working length 13cm	1
Jaws curved 30 deg right Cutting width 2.7 mm, shaft diameter 3.5 mm, working length 13cm	1
Jaws curved 90 deg right Cutting width 2.7 mm, shaft diameter 3.5 mm, working length 13cm	1
Jaws curved 90 deg right Cutting width 2.7 mm, shaft diameter 3.5 mm, working length 13cm	1
<b>Punches cutting width 3.3-3.5mm Qty-1 each</b>	
Straight Cutting width 3.4 mm, shaft diameter 3.5 mm, working length 13 cm.	1
Upturned 15 deg Cutting width 3.4 mm, shaft diameter 3.5 mm, working length 13 cm.	1
Jaws curved 30 deg left Cutting width 3.4 mm, shaft diameter 3.5 mm, working length 13 cm.	1
Jaws curved 30 deg right Cutting width 3.4 mm, shaft diameter 3.5 mm, working length 13 cm	1
Jaws curved 90 deg right Cutting width 3.4 mm, shaft diameter 3.5mm, working length 13 cm	1
Jaws curved 90 deg right Cutting width 3.4mm, shaft diameter 3.5 mm, working length 13 cm.	1
<b>Scissor Punch, Qty-1 each</b>	
Straight Cutting width 1.5 mm, shaft diameter 3.5mm, working length 23 cm;	1
Shaft curved left Straight Cutting width 1.5 mm, shaft diameter 3.5mm, working length 23cm;	1
Shaft curved right Straight Cutting width 1.5mm, shaft diameter 3.5mm, working length 23 cm	
<b>Grasper Qty-1 each</b>	
Straight spoon shaped jaws Shaft diameter 3.5 mm, Working length 13cm	1
Aggressive foreign body grasper Shaft diameter 3.5mm, Working length 13cm;	1
30 deg upturned spoon shaped Shaft diameter 3.5 mm, Working length 13cm	1
Rasp and Curette	1
Oval curette curved 10 deg, length 13 cm	1
Oval curette curved 30 deg, length 13cm	1
Rasp straight, narrow, fine working length 13 cm	1
Rasp narrow curved, Working length 13 cm	1
<b>Instruments for meniscus repair</b>	
inside techniques of meniscus repair for posterior horn area of lateral and medial meniscus. Suture material used with the set should be mono filmant 2-0 to 2	1
Handle for suture attachments	1
Wheel attachment to roll suture	1
Suture attachment straight, hook shaped, length 13 cm	1
Suture attachment angled 180 deg right, length 13 cm	1
Suture attachment angled 180 deg left, length 13 cm	1
Suture attachment angled 360 deg right, length 13 cm	1
Suture attachment angled 20 deg upward, length 13 cm	1
Suture attachment angled 20 deg upward, length 14 cm	1
Cannula to use with suture attachment	1
Obturator Cannula	1
Knot pusher	1
Suture curette, for retinaculum suture with handle	1
Thread grasping forceps	1

## **SCHEDULE 6**

### **6. Plaster Room Equipment Set with Plaster Table 2 Nos.**

***Plaster Room Equipment Sets have been described at Schedule Item No. 1 B & 1 K above. 2 Nos. of Plaster Tables is required to be provided.***

#### **PLASTER TABLE:**



Should be double articulation and to its low and wide frame. The plaster table should be very sturdy for utilisation together with the optional stand.

The dorsal part and the legs should be individually adjusted in every position. The leg parts should be adjustable separately till a down angle of 90°.

The plaster table should be adjustable in height by electrical or hydraulic actuator with foot or hand control.

The plaster table should be equipped with castors and with a central locking which allows the castors to brake simultaneously.

**Specifications of the plaster table:**

- Dimensions: Appox 185 x 60cm (without stand), 205 x 60cm (with stand).
- Adjustable height: Appox 65 - 115cm.
- Capacity: Appox 175kg.
- The frame should be epoxy painted.
- Should require very little maintenance on the articulations and the mobile parts.

**Accessories with plaster table:**

- Monkey pole
- Stuffed knee support with adjustable horizontal tubes
- Ⓞ – line upholstery
- Barswitch system Plaster E
- Extrawide/special width (70 cm)
- Pedal switch system + T plug
- Hand switch system + T plug

**TECHNICAL SPECIFICATIONS FOR OPHTHALMOLOGY DEPARTMENT**

**SCHEDULE 1:**

**1a. Digital Vision Chart with remote control**

1. Should be LCD type with TFT LCD full HD display(preferably 22")
2. Testing distance: 6 to 25 feet with 0.25 feet increment
3. Resolution: Minimum 1920× 1080 pixels
4. Luminance: Min. 220cd/m<sup>2</sup>
5. Remote control: Infrared
6. Menu driven functions
7. Multimedia Access
8. Built in videos and pictures
9. Red and green overlay
10. Random sequence
11. Facility for individual line projection and single letter projection
12. Worth four dot test and duochrome testing facility
13. Facility for English, Hindi, E-chart and picture chart
14. Low contrast vision testing facility
15. 32 or more test types
16. Wall mount and table top options
17. Connections: USB and Audio out
18. Warranty for 2 years and CAMC for 5 years

### **1b. Vision Testing Drum**

1. To measure visual acuity for distance vision
2. Tungsten light lamps fitted in the instrument
3. Test type charts for English and Hindi alphabets, E-chart and picture chart
4. Worth Four dot facility
5. Duochrome testing facility
6. Non motorised  
Warranty for 2 years and CAMC for 5 years

### **2. & 3. Trial lens set with trial frame for adults and children**

1. Lenses should be of standard size in aluminium frame, anodized red for minus and black for plus. The sphere lenses with handle and cylinder without handle.
2. Trial lenses of good quality, case made of melamine polished wood, sturdy and attractive finish.
3. Lenses – Spheres 128 pieces and cylinders 80 pieces
  - a. Concave and convex 0.12
  - b. 0.25 to 4.0 in 0.25 steps
  - c. 4.5 to 6.0 in 0.5 steps
  - d. 7.0 to 14.0 in 1.0 steps
  - e. 16.0 to 20.0 in 2.0 steps
  - f. Cylinders 0.25 to 3.5 in 0.25 steps
  - g. 4.0 to 6.0 in 0.5 steps
  - h. Prisms(10)- ½,1,2,3,4,5,6,8,10,12.
4. Accessories: Trial frames – one adult size and one for children, adjustable with Four slots
  - a. Red glass.
  - b. Green glass.
  - c. Pin hole.
  - d. Slit.
  - e. Two blank discs.
  - f. Two occluders.
  - g. Cross cylinder +/-0.25 and +/-0.5
5. Illuminated carrying case

### **4. BJERRUM'S SCREEN**

Wall mounted 2m/ 1m standard screen with sets of white and colored targets of various sizes with foldable pointers.

### **5. Automated visual field analyser**

- High quality Gold standard automated perimeter with bowl size 30cm.
- Maximum intensity 10,000Asb, Bowl illumination 31.5 asb.
- C.D. and U.S.B. drive, internal hard disk with Magneto optical disk drive.
- Stimulation duration 200ms, stimulus wavelength broad band visible light.
- Stimulus/Background colour White on White, Blue on yellow (SWAP).

- Maximum temporal range 90Deg.Suitable for central 30 as well as full field testing.
- Central field test patterns 30-2,24-2,10-2,
- Peripheral field test pattern 60-4,Nasal Step.
- Threshold test strategies full threshold, Fast Pac, SITA or equivalent.
- Guided progression analysis .
- Screening field test P-60, FF-80,FF-120,FF-240,Nasal Step for periphery .
- Screening test strategies Two zone, Three Zone and Quantify Defects
- Kinetic Testing, Custom Test, Automatic Pupil measurement
- Stimulus Size I-V as per Goldman standards
- Glaucoma hemi field test, Hail –Krakau blind spot monitor
- Video eye monitoring, Trial Lens Holder, Gaze tracking System
- Head tracking, Vertex Monitoring, Touch screen on CRT, Keyboard
- Motorized chinrest, Original Manufacturer Motorized table with latest Laser Jet Printer.
- 2 years warranty and 5 years CAMC
- Preferably European CE & US FDA approved.

## **6 Colour vision chart**

1. Original Ishihara's Pseudoisochromatic Colour vision chart with good quality prints.
2. Complete edition(38 plates)

## **7 Near vision chart**

1. Jaeger's near vision chart or equivalent
2. Should be in different Indian languages and for testing near vision for both adults and children; literate and illiterate.

## **8. Torch**

Having high durable 3 cell batteries.

## **9a. Direct Ophthalmoscope**

1. Halogen light source for bright white light, 3.5Volts.
2. Very good optical system with co-axial optics.
3. Maintenance free optics.
4. Should have 6 different kinds of apertures and red free filter.
5. Lens range: +1D to +36D, -1D to -36D.
6. Handle with rechargeable battery of large size (should not be pocket model).  
Illumination control on handle.
7. Original carrying case.
8. 2 spare bulbs.
9. Warranty for 2 years and CAMC for 5 years

## **9b. Streak Retinoscope**

1. Hand held streak Retinoscope with XL 3.5 Volt Halogen lamp
2. Rechargeable handle for direct plug in to AC supply for recharging
3. Simple one hand operation for streak focus and 360 degree rotation
4. Holder for hanging and fixing the fixation card into position for dynamic retinoscopy
5. Bayonet fitting for fast and secure attachment to the handle
6. External focussing sleeve which is easy to grip and manipulate
7. Interchangeable to plane mirror and concave mirror by sleeve movement
8. Dust proof and multi coated optics
9. Accessories:
  - a. Original manufacturer hard plastic case.
  - b. Original rechargeable battery.
  - c. Two Fixation cards for dynamic retinoscopy.
  - d. Ten original spare bulbs
10. 2 years warranty and 5 years CAMC.

## **SCHEDULE 2:**

### **10a Slit Lamp Biomicroscope (Two Nos.)**

#### Biomicroscope

Magnification changer: Galilean, 5step/continuous

Ocular magnification: 10× or more

Range of adjusting oculars: +6 to -6 Dioptres or more

Reticle : Right ocular

Inter-pupillary distance range: 52-78mm

#### Slit Lamp Illuminator

Slit height: 1-8 mm or more

Slit width: 0-8 mm or more

Spotlight: 0.2, 1, 2, 3, 5,8mm diameter

Horizontal Arc:  $\pm 90^\circ$

Vertical Arc:  $5^\circ, 10^\circ, 15^\circ, 20^\circ$

Filters: Blue,green(red free), N.D.10%

Movement ranges:

- a. Longitudinal ( in/out )110mm
- b. Lateral (left/right) 90mm
- c. Vertical(up/down) 29mm
- d. Chinrest range 55mm

Slit Beam Diffuser: Yes

Light source illumination device: 6V; 20W

Slit decentration: 4 horizontal

Slit rotation:  $\pm 180$

Light source background illumination: Halogen/LED, with continuous or step adjustment

Objective tube focal length: 170mm

Assistant co-observer tube with focus control

Applanation Tonometer  
Original hydraulic/electric motorized table  
2years warranty and thereafter 5 years CAMC

**10b Slit Lamp Biomicroscope with video attachment (One No.)**

1. Slit lamp should have illumination from top with the help of tungsten/halogen bulb capable to give illumination of 500000 lux or more, or LED powered, lifetime usage, with tilt facility
2. Illumination column should be tiltable upto 20 degrees
3. Fibre optic background illumination
4. It should have grey, red free, blue and heat absorption filters
5. Should have applanation tonometer
6. Beam splitter and mirror housing with monocular tube for camera integration.
7. Should have an integrated imaging system including
  - a. Slit lamp camera – Minimum 12.2 mega pixel with large 3.0 inch LCD display
  - b. PC digital system with 21.5 high definition LCD and colour printer
  - c. 8GB SD/SDHC memory card and power cable
8. Should have integrated flash tube, synchronized to slit background illumination and shutter release
9. Software for photo management
10. Facility for viewing into microscope at 20 degree to horizontal to enable examiner to keep his head in fatigue free position
11. 5 step magnification (6.3X, 10X, 16X, 25X, 40X)
12. Slit width to change continuously from 0-14 mm
13. Slit height to change continuously from 1-14mm
14. Test mark fixation star to be present
15. Eyepiece magnification 12.5X
16. Range for adjusting eye- pieces: +8 to -8
17. IPD adjustment 52-80 mm
18. Focus attachment preferable to refocus the slit on the fundus by adjusting mirror position
19. Microscope must have 13 degree stereo angle with stereo variator facility
20. Six extra bulbs and fuses
21. Original motorized table with accessories
22. Should be preferably USFDA and European CE approved product
23. Comprehensive Guarantee/Warranty for 2 years and there after comprehensive AMC (including all spares and labour) for 5 years

**SCHEDULE 3:**

**11 Applanation Tonometer**

1. Should be applanation type, based on Goldmann Tonometry principle.
2. Should have a measuring range from 0 to 80 mmHg in steps of 2 mmHg.
3. Should have an accuracy of  $\pm 0.5$ mmHg.
4. Should be supplied with calibration bar, prism and tonometer mount base to fix with optics.
5. Should be compatible with all models of slit lamps.
6. Controls should be visible and clearly defined.

7. Labels and markings should be clear and visible.
8. Should be supplied with one spare prism.

#### **SCHEDULE 4:**

##### **12 Manual Keratometer**

1. Bausch and Lomb Model
2. 15X wide angled adjustable eye piece-5 to +5 D
3. Two way adjustable head and chin rests
4. Dual eye level sighting system
5. Vertical and horizontal knobs to coincide with vertical and horizontal mirrors
6. Measuring range :Radius of curvature 5.5 to 12mm in 0.05 steps
7. Refractive power 28-60 D in 0.25D steps Axis of corneal astigmatism 0 to 180 minimum reading 1 .
6. 2 +spare bulbs, dust cover, chin rest paper(10 rolls)
7. Original Motorized table
8. Comprehensive Guarantee/Warranty for 2 years and thereafter CAMC (Including all spares and labor) for 5 years
9. Should be preferably USFDA and European CE approved.

#### **SCHEDULE 5:**

##### **13 Indirect Ophthalmoscope**

11. Should have small pupil feature.
12. Halogen illumination.
13. Stereo optical system.
14. Cobalt blue and green filters.
15. Compact and light weight instrument.
16. Controls for adjusting the headband.
17. Inter pupillary distance adjustment: 50- 75 mm.
18. Should be wireless.
19. Preferably European CE & US FDA approved.
20. 2 year warranty and 5 years CAMC

##### Accessories:

- a. Fundus chart - 50 sheets.
- b. Scleral Depressor.
- c. Transformer with power cord.
- d. Pencils : 3.
- e. Carrying case.
- f. 2 spare halogen bulbs

#### **SCHEDULE 6:**

## **14 Synoptophore**

1. Movement of optical tubes
  - i. Horizontal Adduction +50 degrees- Abduction of -40 degrees
  - ii.. Vertical Hyperphoria 30 degrees – hyperphoria 30 degrees
  - iii.. Torsional Incyclophoria 20 degrees – Excyclophoria 20 degrees
2. Slide Illumination- Rheostat controlled 6-12 V lamp for each slide and high intensity 12 V lamps for after image illumination. Five mode of slide illumination namely normal flashing right, flashing left, flashing right + left and auto flashing (auto flashing either simultaneous or alternate in rapid and variable modes)
3. Pupil adjusting distance 48-80mm
4. Chinrest height adjustment 60-130 mm
5. A set of slides containing 9 pairs at least  
Including slides for
  - i. Simultaneous macular/parafoveal/foveal perception
  - ii. Fusion
  - iii. Stereopsis
  - iv. After image test
  - v. For angle kappa
6. 2 spare bulbs
7. Haidinger brushes
8. Original Motorized table
9. Should be preferably USFDA and European CE approved
10. Comprehensive Guarantee/Warranty for 2 years and there after CAMC (including all spares and labor) for 5 years

## **SCHEDULE 7:**

### **15 Maddox Rod**

Red Maddox rod with red lens and handle

### **16 Maddox Wing**

1. For measuring heterophoria
2. Should be light weight and made of cast iron with septum

### **17 Diplopia goggle**

Red green diplopia charting adjustable goggles with adjustable strap

### **18 Gonioscope/Goldmann 3-mirror lens**

1. 3 mirror optics angled at 60, 66 and 76 degrees.
2. Laser/AR coated and bonded protective glass cover
3. Image magnification- 1.06×

4. Contact Diameter- 15 mm
5. Light weight with solid plastic design
6. Advanced no fluid contact design for methylcellulose free use

**19 Placido disc**

- Standard placido disc for detecting astigmatism
- Preferably of ebonised wood, light weight (100-125gms)
- Approximate size 180×180×32 mm

**20 Prism Bar with loose prisms**

**CLEMENT CLARKE PRISM BARS WITH LOOSE PRISMS**

1. Horizontal prism bar
2. Vertical prism bar
3. Loose prism of 20 pd
4. Warranty for 2 years and there after CAMC for 5 years

**21 Schiotz Tonometer**

1. Original and imported Schiotz Tonometer with 3 weights(5.5gm, 7.5gm and 10gm) and a conversion table.
2. High quality bearings and stainless steel parts

**SCHEDULE 8:**

**22 Ophthalmic Operating Microscope with T.V. Unit With Camera**

- 1 Compact microscope body with high quality apochromatic Optics with 1:6 zoom ratio, Retina Protection Device and contrast enhancement aperture. Magnification factor 0.4 to 2.4.
- 2 Inclinable 180 Deg. Binocular tube with 10X/ 12.5X magnification eye pieces.
- 3 Objective with 200mm focal length for convenient working distance.
- 4 Stereo coaxial illumination and Retro illumination. Auto illumination off facility, when microscope not required during surgery, illumination gets off when microscope is moved in upward direction without touching foot control. Auto re-centering facility of XY, Focus, Illumination & Zoom when microscope is moved back in down-ward direction in the surgical field.
- 5 Integrated slit illumination system with horizontal and vertical moving facility.
- 6 Integrated Depth of Focus mechanism for improved depth of focus during surgery.
- 7 Motorized foot controlled X-Y coupling with automatic re-centering and X-Y inversion facility.



- 8 Motorized foot controlled Zoom and Focus with centering of focusing position through foot control.
- 9 High quality programmable floor stand with magnetic breaks and clutches for easy positioning through handles and suspension arm.
- 10 Stand should have programming facility for setting the speed of XY, Zoom and focus with storage facility of initial setting for multiple users.
- 11 Superlux xenon/halogen illumination.
- 12 Stereo co observation attachment with 360 deg. Rotation.
- 13 3CCD/HD camera attachment and digital video recording facility, video trolley with transformer.
- 14 36/42" LED display unit.
- 15 Should have Provision for attachment of wide angled non-contact viewing system (autoclavable) with aspheric lens 60D at a later a date, if required.
- 16 Preferably US FDA and European CE certifications.
- 17 2 year warranty and 5 years CAMC

### **SCHEDULE 9:**

#### **23 Cryotherapy unit**

1. Console diameter width 5.0 inches(13.3cm)
2. Height 6.5 inches(16.5cm)
3. Depth 11.0 inches(27.9cm)
4. Approximate weight 7-7.5 Kg
5. Front panel gauge indicates incoming cylinder gas pressure
6. Temperature selection -25 degree, -55 degree, -85 degree(tolerance  $\pm 5$ degree)
7. Front panel on/off switch should turn console on/off
8. Foot switch should control freezing operation(depress to freeze and release to defrost)
9. Should work on Carbon dioxide/Nitrous oxide gas(No electricity required)
10. Freezing and thawing should be instant
11. Durable stainless steel probe handles
12. Tips should have protective cover
13. Dual switchover valve should remain at comfortable temperatures on two cylinders allowing continuous operation of cryo while empty cylinder is removed for refill
14. Cryo tube should have enhanced flexibility, 9 feet long, reduced coil memory
15. Probes should include
  - a. Curved retinal probe: 2.8 mm dia  $\times$  17.3mm length
  - b. Curved glaucoma probe: 3.4 mm dia.  $\times$  19mm length
  - c. Vitreous probe: 1.5mm dia.  $\times$  27 mm length
16. 2 years warranty and 5 years CAMC

### **SCHEDULE 10:**

#### **24a INSTRUMENTS SETS FOR CATARACT SURGERY (ECCE)**

- 1 . Barraquer wire speculum -( titanium ) - small standard wire 15 mm blades 1

- 2 . Kelman McPherson IOL forceps-(titanium)- 1
- 3 . McPherson tying forceps-(titanium)- 1
- 4 . Barraquer colibri forceps-(titanium)-1x2 teeth, 0.12mm tip, total length 75mm 1
- 5 . Lims forceps-(titanium)- o.12mm tip,1x2 teeth , length 93 mm 1
6. Sinsky hook-(titanium)- angled 1
- 7 . castroviejo corneal scissors-(titanium)- universal 1
- 8 . McPherson Westcott scissors-(titanium)- 3 3/8' angled,11mm blades, sharp tip 1
- 9 . Gills Vanas scissors-(titanium)-curved, 10 mm blades ,sharp tips 1
- 10 . Barraquer iris scissors-(steel)- 1
- 11 . Barraquer needle holder-(titanium)-5 1/4' gently curved,9 mmjaw without lock 1
- 12 . Dastoor superior rectus forceps-(steel)- serrated shaft 1
- 13 . Eye dressing forceps-(steel)- 1
- 14 . Castroviejo calliper-(steel)- straight, measures 0-20 mm 1
- 15 . cyclodialysis spatula-(steel)- double end 1
- 16 . serrafine clamps-(steel)- 1
- 17 . Iris repositor-(steel)- double ended 1
- 18 . wire vectis -(steel)- angled , serrated 1
- 19 . Smith lens expressor vectis-(steel)- double ended 1
- 20 . Irrigating vectis -(titanium)- serrated 1
- 21 . Simcoe I/A canula-( steel )- direct 23 G 1
- 22 . Air injection canula-(steel)- 23 G 1
- 23 . A.C. wash canula-(steel)-16 G 1
- 24 . Pearce hydrodissection canula -(steel)- 25G ,flattened tip 1
- 25 . sterilization case (steel) 8x12x 0.75 “ 1

#### **24b INSTRUMENT SET FOR CATARACT SURGERY (PHACOEMULSIFICATION/SICS SET)**

##### **QTY**

- 1 Kratz Barraquer wire speculum-(titanium)- standard wire15 mm blades 1
- 2 Tenant tying forceps-(titanium)- 4" straight,6mm platform,extradelite 1 smooth jaw.
- 3 . Tenant tying forceps-(titanium)-3 1/8" curved,6 mm platform, extra delicate 1 smooth jaw
- 4 . Barraquer colibri forceps-(titanium)-2 7/8" delicate, 0.12mm,1x2 teeth, 5.5 mm 1 tying platform
- 5 . phaco chopper - (titanium)- 1mm cutting edge sharp 1
- 6 . nucleus spatula-(steel) 1
7. Gills capsulotomy scissors (titanium)- straight ,7.5 mm blade s, sharpl tip 1
8. Vanas Micro scissors angled (titanium)-extra thin 10mm blade sharp tip 1
9. Westcott scissors (steel)-4 3/4" slightly curved,21mm blade 1
10. Iris scissors (steel) 1
11. Dastoor superior rectus forcep(steel)-115mm,3 hole handle 1
12. Lens folding forceps (titanium) 1
13. Lens holding forceps (titanium) 1
14. Utrata capsularhexis forceps(titanium)-3 1/4" angled 12mm shaft,fine serrated sharp tips,flat serrated handle 1
15. Air injection Cannula(steel)-30 G,5mm angled 45 degree tip 1
16. A.C wash cannula(steel) 1

17. Nichman Hydro dissection cannula(steel)- 25 G,13mm bend tip 1
18. Chang Hydro dissection cannula(steel)- 27G,standard 1.25mm tip 1
19. Sinsky II hook-lens manipulating hook (titanium),4 1/2" straight,0.2mm diameter 1 blunt tip,flat handle
20. sterilization case (steel) with silicon matt,8x12x0.75" silicon finger matt. 1
21. Aruga's capsule forcep(steel) 1
22. A.C maintainer with tubing 1
23. Kansas Nucleus bisector(steel) 1
24. Kansas Nucleus removal forceps(steel) 1
25. Shapiro posterior capsule polisher(titanium) 1
26. Salz nucleus splitter(titanium) 1
27. Fixation ring (steel)- 5 1/4" c shaped, 13 mm diameter 1

### **SCHEDULE 11:**

#### **25 Instruments set for Glaucoma surgery**

1. castroviejo forceps-(titanium)- 0.12 mm tip 1
2. Bishop Harmon tissue forceps -(titanium)- fine 1.8 mm tip , 1x2 teeth 1
- 3 . Eye dressing forceps (steel)- 1
- 4 . Jaffe tying forceps (titanium)- curved 1
- 5 . . Jaffe tying forceps (titanium)- straight 1
- 6 . Fechtner conjunctival forceps (titanium)- 7 mm sharp tip 1
- 7 . vannas scissors straight (titanium) -7mm blades sharp tip 1
- 8 . vannas scissors angled (titanium) -5" fine curved, 11 mm Blade. 1
- 9 . Barraquer needle holder (titanium) -4 1/8" straight 8 mm extra fine jaw 1
- 10 . westcott tenotomy scissors (titanium) -4 1/2" curved,19 mm blades,blunt tip 1
- 11 . kelly descmet memb.punch (steel)-5 1/8 produces 0.75 mm squeez -action handle 1
- 12 . McPherson/harms trabecular probe right (steel) -0.28 mm,80 mm length 1
- 12 . McPherson/harms trabecular probe left (steel) -0.28 mm,80 mm length 1
- 13 . castroviejo anterior synechia spatula (steel) 1
- 14 . willium/barraquer speculum (titanium)-standard wire 10 mm blades 1
- 15 . A.C. wash canula (steel) 1
- 16 . air injection canula (steel) 27 G 1
- 17 . goniotomy knife (titanium) -straight 2mm blade,115 mm length 1
- 18 . iris spatula (steel) straight,1.7 mmblade,117 mm length 1
- 19 . sterilization case (steel) 10x12 x0.75" with 2 mats 1

### **SCHEDULE 12:**

#### **26 Instruments for DCR set**

##### **Qty.**

1. Kerrison bone punch(steel) 1
2. Bowman's lacrimal probe set (steel) (set of 4) 1 set
3. Nettleship punctum dilator (steel) 1

4. Citelli's punch(steel) (different sizes-set of 4) 1 set
5. Lacrimal dilator infant (steel) -delicate taper 22mm length 1
6. Lacrimal cannulas set (steel) 23G straight & curved 1 each  
24G straight & curved 1 each

**SCHEDULE 13:**

**27, 28, 29 Instruments set for lid surgery (including entropion), evisceration/enucleation & other minor surgery**

**QTY**

- 1 . snellen entropion clamp right (steel) 1
- 2 . snellen entropion clamp left (steel) 1
- 3 . Berke ptosis clamp (steel) 1
- 4 . stallard ptosis plate (steel) 1
- 5 . jager's lid plate (steel) 1
- 6 . Beer cilia forceps (steel) 1
- 7 . lins forceps (titanium) 0.12 mm tip, 1
- 8 . Harms tying forceps straight (titanium) 1
- 9 . Harms tying forceps curved (titanium) 1
- 10 . eye dressing forceps (steel) 1
- 11 . barraquer needle holder (titanium) -5 1/4" straight 9mm jaw 1
- 12 . westcott tenotomy scissors (steel) sharp tip 1
- 13 . conjunctival scissors (steel) curved 1
- 14 . Mule evisceration spoon (steel) 1
- 15 . wells enucleation spoon (steel) 1
- 16 . steven's tenotomy hook (steel) 1
- 17 . Helvesten tissue retractor (steel) 1
- 18 . Pierse forceps straight (steel) 1
- 19 . stevens tenotomy scissors (steel) blunt tip 1
- 20 . enucleation scissos (steel) curved 1
- 21 . chalazion forceps 8mm & 12 mm 1 each
- 22 . Meyer hoffer chalazion currete(steel)- size 1-4 1set
- 23 . copper ball cautery 1
- 24 . iris scissors (steel) 1

**SCHEDULE 14:**

**30 Instruments set for squint surgery**

**QTY**

- 1 . Prince/worth muscle forceps right (steel) 1
- 2 . Prince/worth muscle forceps left (steel) 1
- 3 . bishop harmon forceps (steel) 1
- 4 . Lins forceps (titanium) -0.12 mm tip ,93 mm length 1

- 5 . serrefine clamp curved (steel) 1
- 6 . serrefine clamps straight (steel) 1
- 7 . westcott scissors (steel) -blunt tip 1
- 8 . stevens tenotomy scissors (steel) 1
- 9 . Barraquer needle holder (titanium) -curved, 5 1/4" tapered 9 mmjaw with lock 1
- 10 . strabismus scissors (steel)- curved,5 3/8", 10 mm tapered jaw without lock 1
11. barraquer needle holder (titanium)- curved, without lock,12 mm jaw 1
12. weiss speculum (titanium) 1
- 13 . wright/lancaster speculum (titanium) 1
- 14 . Desmarres lid retractor(titanium)- all 4 sizes- 0,1,2,3 1 each
- 15 . Grafe muscle hook (steel) 2
- 16 . Jammeson muscle hook (steel) 2
- 17 . wash canula (steel) 16 G 1
- 18 . sterilization box with silicon matt(steel) 8"x12"x0.75" 1

#### **SPECIFICATION FOR TITANIUM INSTRUMENTS:**

1. All instruments should be of international quality and made from surgical grade titanium.
2. The "Hinges" should be rust proof.
3. The instruments should be guaranteed against metal fatigue and rust for at least 02 years. Further repair should be available for next 5 years.
4. The instruments surface should be non-reflective.
5. The brand name along with catalogue number should be etched on the instruments.
6. Satisfactory Performance Certificate from a Central Government Hospital is mandatory.
7. Prior demonstration of instruments for approval if needed . It is the sole discretion of the department to approve or disapprove the quality.
- 8 .Preferably Europeon CE & US FDA approved.

#### **SPECIFICATIONS FOR STAINLESS INSTRUMENT**

- 1 . All instruments should be imported and made from surgical grade stain less steel.  
Documentary evidence required for grade of material.
- 2 . The hinges should be rust proof.
- 3 . The instruments should be guaranteed against metal fatigue and rust for 2years.
- 4 . The instruments surface should be non reflective.
- 5 . The brand name along with catalogue number should be etched on instruments.
6. The instruments should be preferably European CE & US FDA approved.
- 7 . Prior demonstration of instruments for approval if needed .It is the sole discretion of the department to approve or disapprove the quality.

**SCHEDULE 15:**

**31 Ophthalmic Operating Table**

Motorized with foot control

- Spring control levelling for tilting position.
- Electronic movement : up and down
- Dimensions: Length 188±2 cm, Width 69±2 cm
- Maximum Height : Approximately 90 cm or more
- Minimum Height: Approximately 60 cm or less
- Width: Approximately 50cm -60cm
- Width of table top: 50cm
- Trendelenburg: -30 degree to +30 degree
- Forward and reverse tilting should be available
- Foot and hand held control for changing positions
- Complete Ophthalmic Accessories which must include adjustable cushioned head rest, adjustable wrist support, side tray and provision for IV infusion pole
- Compatible power supply (220V; 50 Hz)
- Weight capacity minimum 100 kg.
- Accessories
- One Mattress Set with minimum thickness 50mm
- Body Strap (1 pair)
- CE approved; 2years warranty and 5 years CAMC

**TECHNICAL SPECIFICATIONS FOR ENT DEPARTMENT**

**SCHEDULE 1:**

**Following OPD Quantity List are against each items for each Consultant & there shall be Four Consultants:**

1. **Nasal speculum:** thudicum 7 cm, small, medium, large – (one set each)
2. **Tongue depressors:**–(4 each).
3. **Laryngeal mirrors:** with handle Size: 1/2/3/4/5 – (one set each).
4. **Nasopharyngeal mirrors:** with handle Size: 1/2/3 - (one set each).
5. **Aural speculum Hartmann:**Size: 3/4/5/6/mm black- (one set each).
6. **Aural suction:** microsuction cannula varhoeven of different sizes -(2 sets each).

**7. Nasal suction:** suction cannula Size 2.5mm/3mm Lumen circumference diameter 15 cm- (2 sets each).

**8. Suction Apparatus:** - (2 Nos.)

**9. Siegels pneumatic speculum:** - (1 No.).

**10. Tuning forks:** (256 hz,512 hz,1024hz) : Gardiner brown with base – (one set each).

**11. Otoscope :** 3.5V, halogen bulb with charger–(One each).

**12. Bayonet forceps:** (One each).

**13. Bulls lamp:** Halogen light – (one each).

**14. Head Lamp:** (One Each).

**15. Jobson horne probe–** (One Each).

**16. Sterilizer:-** (Two Nos.- One for OPD & One for Minor OT)

1. Automatic adjustable working pressure system.
2. Double walled.
3. Inside boiler made of stainless steel & outside mild steel finished in cream enamel.
4. Radial locking system lid.
5. The panel is provided with on/off switch, pressure gauge, steam release valve & indicators to show the working of mains & pressure control system.
6. Electrically operated on 220V A/C with stainless steel basket.
7. Digital Temperature controller with inbuilt timer that will cut off the heaters automatically after lapse of pre set time at the pre set temperature.
8. Microprocessor based PID controller.
9. Size 12” x 8” x 6”
10. Should be FDA or CE or BIS approved product

**17. BP Apparatus:** (Four Nos)

1. Mercury type, a compact portable instrument for measuring blood pressure with mercury, bandage type cuff and compressor.
2. Should be ISI marked

**18. Stethoscope:** (Four Nos.)

## **SCHEDULE 2:**

**ENT Treatment Unit (Quantity: 1 No.)**

ENT treatment unit made of high quality steel casing of entire unit with polyurethane covering two or three storied large instrument surface with aluminium trays with unbreakable glass dust cover and built in waste container. Condensation discharge and liquid bottles should be easily accessible.

ENT Treatment unit consisting of:

- **Light source for endoscopy and head light**
  1. 80-150 watt
  2. Cold light with 2 outlets
  3. Intensity settings
  4. Halogen bulb with backup halogen
  5. Integrated in the main unit
  
- **Suction machine**
  1. Integrated in the main unit
  2. High vacuum pressure
  3. Noiseless
  4. Automatic on/off switch for vacuum function
  5. One set (04 of each) of suction tips of different caliber
  6. Bacterial filter with double over flow
  7. Liquid container with two bottles of minimum one litre capacity.
  
- **Compressor system**
  1. Integrated in main unit
  2. Oil free and noise less
  3. Fine regulation handle
  4. Minimum of 03 spray bottles
  5. Two sets of politzer olives and cannulas (straight and curved), chrome plated and adjustable
  6. Continuously adjustable pressure upto minimum of 2,5 bar
  
- **Endoscopy center**
  1. Disinfection and warming tanks for endoscopes
  2. Minimum of two quivers for endoscopes : one for rigid and one for flexible
  3. Automatic on/off system
  
- **Fibreoptic head light**
  1. Adjustable and comfortable head band
  2. Vertical and side to side adjustment
  3. App 180 cm fibreoptic cord
  4. Focal length 20-30cm
  5. Variable light spot
  6. Compatible in the light source housed in main unit
  
- **Patient examination chair**
  1. Motorized
  2. Reclinable chair with rotation facility of 360 degrees



3. Should have adjustable head rest, arm rest fixed foot rest
  4. Adjustable mode for height control
  5. Foot pedal and hand switch
  6. Chair should be suitable for examination as well as minor surgery
  7. Upholstery of the seat should be fully synthetic leather and easy to clean.
- **Doctor chair**
    1. Made of chrome plated steel
    2. Adjustable height
    3. Revolving
    4. Comfortable seating
    5. Upholstery of the seat should be fully synthetic leather and easy to clean
  - **Diagnostic Microscope**
    1. Integrated with unit for fiberoptic light transmission
    2. High quality lens. eye piece 10 x objective, f=200-300mm
    3. Magnification changer with 20-30cm focal length
    4. Binocular vision
    5. 3 step magnification changer
  - **Electro surgical unit**
    - High frequency type
    - Maximum 50 watts
    - Integrated with main unit
    - Monopolar accessories
    - Set of cautery probes

### **SCHEDULE 3:**

#### **Tonsillectomy & adenoidectomy set (1 set)**

- Bipod stands
- Boyles davis mouth gag with blade
- Tonsil holding forceps: dennis brown large 20 cm /8”
- Tonsil dissector and retractor: blunt edge broad ,20cm/8”
- Tonsil snare
- Burkitt artery forcep
- Negus artery forcep
- Tonsil scissors: 18cm/7”
- Adenotome
- Adenoid curette
- Yaunker suction
- Fiberoptic head light
  - Adjustable and comfortable head band
  - Vertical and side to side adjustment
  - App 180 cm fiberoptic cord

Focal length 20-30cm  
Variable light spot

- Light source

#### **SCHEDULE 4:**

##### **Nasal bone fracture (1 Set)**

- Asch forceps
- Walsham forceps

#### **SCHEDULE 5:**

##### **Septoplasty set (1 set)**

- Bayonets forceps
- Thudicum nasal speculum
- Killian's nasal speculum
- Freer elevator
- Suction elevator
- Nasal suction
- Ballenger's swivel knife
- Takahashi forceps
- Nasal gouge and mallet
- Tilley's Nasal packing forceps
- Toothed forceps
- Needle holder

#### **SCHEDULE 6:**

##### **Caldwell luc set (1Set)**

- Nasal gouge
- Mallet
- Ribbon retractor
- Cheek retractor

#### **SCHEDULE 7:**

##### **Antrostomy set (1 Set)**

- Antral retrograde gouge
- Antral rasp

## **SCHEDULE 8:**

### **FESS INSTRUMENTS (2 Sets)**

- Septum needle, angular, with luer- lock
- Sickle knife, pointed, 19cm long
- Endoscopic scissors
- Nasal suction straight
- Nasal suction curved
- Freer elevator should be double ended, semi sharp and blunt, 20cm long
- Small size oblong shaped Antrum curette, straight, 19cm
- KUHN Bolger sinus curette 90deg and 55 deg curved
- Back biting forceps Antrum curette forward cutting small size, 19cm length
- Double ended maxillary sinus ostium seeker, ball shaped ends diameter 1.2 and 2mm, length 19cm
- Cottle elevator double ended, semi sharp and blunt, graduated, length 20cm
- Conical suction tube should be malleable, with finger grip plate, luerlock, Outer diameter 2.5cm, working length 13cm
- Suction tube, with mandrel and cut-off hole, with distance marking 5- 9cm, 9Fr., working length 10cm
- Antrum cannula, Luer-lock, with cut-off hole, short curved, outer diameter 3mm & 4 mm, length 12.5cm
- Bipolar coagulation forceps, insulated, angular, blunt, with integrated suction channel, with cut-off hole, length 19cm, to be supplied with Bipolar High frequency cord
- Stammberger Bipolar Suction forceps, 15 deg upturned, with suction channel, working length 12.5cm, to be supplied with Bipolar High frequency cord
- Stamberger Antrum punch for Left & Right side downward and forward cutting, working length 10cm
- Nasal cutting forceps, working length 13cm
- Stammberger Rhinoforce Antrum Punch, right and left side backward cutting, working length 10cm
- Antrum grasping forceps for maxillary sinus, jaws curved to right, fixed jaw curved 90 deg, opening 120 deg, movable jaw backward, length 10cm
- Blakesley nasal forceps, straight with working length 13cm
- Blakesley-wilde nasal forceps, Upturned 45deg & 90deg with working length 13cm
- Nasal scissors, Straight, working length 13cm
- Giraffe forceps 65deg upturn, cup jaws diameter 3mm with horizontal & vertical opening, length 12cm Biopsy & Grasping forceps, vertical opening, malleable sheath end, cupped jaws diameter 4mm, working length 18cm
- Stammberger Punch, circular cutting circular punch, dia 4.5mm, working length 18cm
- Stammberger Punch, 65 deg upturned, circular cutting, dia 3.5mm,

### **Full HD Digital Camera**

- The system should be truly Digital Full HDTV Endoscopic video camera.
- The system should qualify all the essential criteria for full HDTV system :
- · Maximum Resolution of 1920 X 1080 pixels,

- Progressive scan .
- Consistent use of 16: 9 format for Input & Output to guarantee genuine HDTV.

**The system should have following Features:**

- CCD sensing chip should optimizes image quality & Digital Source Sampling for maximizing hi-fidelity image transmission.
- Optimizes to Any Size: The system should have integrated Optical Zoom (f= 14- 30 mm, 2X) to enhance the quality of Image size & cross specialty standardization of the camera system, regardless of the telescope used.
- The system should automatically optimize all settings. The system should be ready- to- use as soon as it is connected to the camera control unit.
- The system should have the facility to use a single camera control unit for all camera heads (either single chip or three chip) thus minimizing preparation & maximizes interspeciality standardization.
- The system should be Menu driven , thus allowing the surgeon to program the camera head functions as per the surgical needs & requirement.
- The system should be capable of controlling the light control function from the camera head buttons without any additional requirement of hardware & software.
- Camera system should be compatible with Communication Bus system for remote controlled operation of the various features of the camera along with other equipment. .

**Technical Specifications:**

- Image sensor: 3X1/3'' CCD-Chip.
- Pixels 1920 x 1080
- AGC: Microprocessor controlled Lens: Integrated Parfocal Zoom Lens, f=14mm-30mm.

**HDTV widescreen Monitor** The monitor should have :

- HDTV display in original 16: 10 HDTV format.
- 1080 p/ 50 & 1080 p/60 displays possible.
- LCD crystal display.
- Max. Resolution of 1920X1200 pixels.
- Screen diagonal – 23''.
- Desk top with pedestal.

**Xenon Light Source And Light Cable**

Specifications : High intensity Xenon light source with spare Xenon lamp Special features :

- High light intensity with 300watt Xenon Lamp.
- High colour temperature – more than 6000 K corresponds to brightness of sunlight resulting in high visual and photographic clarity for colour redention.
- Monitoring of lamp function. Unit should be compatible with Communication Bus system for remote controlled operation of the various features along with other equipment. .

Technical specifications :

- Lamp type Xenon lamp, 300 watt
- Colour temperature approx. 6000 K

- Light outlets 1 Light intensity adjustment continuously adjustable from 0 to 100% either manually or Automatically by the camera video-output signal.

#### **Fiber Optic Light Cable**

- Specifications : Size 4.8 mm, length 250 cm
- **Endoscopes**
- 0 degree, 4mm, 18cm wide angle straight forward telescope, autoclavable
- 30 degree, 4mm, 18cm wide angle straight forward telescope, autoclavable
- 45 degree, 4mm 18cm wide angle straight forward telescope, autoclavable
- 70 degree, 4mm, 18cm wide angle straight forward telescope, autoclavable
- 0 degree, 2.7mm, 18cm straight forward telescope, autoclavable
- 45 degree, 2.7mm, 18cm straight forward telescope, autoclavable

### **SCHEDULE 9:**

#### **Direct laryngoscopy set (1 Set)**

- **Anterior Commissure Laryngoscope** : length 17 cm medium, universal size, triangular spatula shaped, lateral outer channels for fibre optic light carrier and suction, with FO light carrier for laryngoscope
- **Laryngoscope Holder and Chest Support**, : consisting of: Laryngoscope Holder with adjustment wheel Support Rod, movable, with metal diameter 9 cm, length 34 cm
- **Negus Laryngoscope** : operating laryngoscope for children, 15 cm with FO light carrier for distal illumination and suction tube to remove vapour
- **Biopsy Forceps** : Forceps, straight, with 2 mm cupped jaws, sheath conically reinforced from distal to proximal end, working length 23cm
- **Foreign Body Removal Forceps** : Foreign body grasping forceps, Alligator Grasping Forceps, heavy model, single action jaws, working length 23 cm
- **Laryngeal Suctions** 2mm, 4mm, 6mm, 23 cm

### **SCHEDULE 10:**

#### **Microlaryngoscopy set (1 Set)**

- Kleinsassers Laryngoscope Adult, 18cm large or medium,
- Fibre Optic light system
- Microlaryngeal **cup** Forceps 23 cm, **serrated right and left turned**
- Microlaryngeal Scissors Straight, 23cm
- Suspension system

### **SCHEDULE 11:**

#### **Tympanoplasty set (1 Set)**

**[Drill – 2 Nos.- One for Major OT & One for Temporal Bone Lab]**

Hartmann aural speculum – 4

Ear curette

Rosen round knife: 45 degree Angle 2.5mm tip, shaft 160cm

Rosen ground knife : 45 degrees 2.0 mm tip ,shaft 160 cm

Micro ear suction

Micro raspatory 160mm length

Plester flag knife 165 mm length

Plester sickle knife 165 mm length

Freer elevator 200 mm

Plester retractor: 2x2 prongs 130mm length

Wullstein postaural retractor: 3x3 sharp prongs 110 mm length

Wullstein needle: straight, sharp 165 mm length

Wullstein needle : gentle curve , sharp 165 mm length

Wullstein needle ; strong curve , sharp 165 mm length

Belluci micro ear scissors: straight 4mm blade 80mm length

Belluci micro ear scissors: straight 8mm blade 80 mm length

Dieter malleus nipper 80 mm up biting

Crocodile forcep

Micro ear oval cupped straight : 80mm shaft 1.5mm thick

Fisch micro ear forcep curetted : 0.6 x4mm 80mm length shaft 1.5mm

House currett double ended , sharp curved : round cup 1.2mm 170mm

House currett double ended , sharp curved : oval cup 1.8mm 170 mm

House currett double ended , sharp curved : oval cup 2.2 mm 170mm

Antral seeker

**High speed electrical drill**

The High Speed electric Drill must consists of the following:

- Universal high speed electrical drill system with variable speed setting from 10,000 – 60,000 rpm
- Should have touch screen display panel
- Should display various information like motor type, maximum rpm and current rpm level
- Console to allow visible display and setting of maximum speed limit
- Should have customizable settings like acceleration and stopping characteristics for individual motors
- Should be less than 78mm in length and 20 mm in thickness. It should not weigh more than 85 grams
- Should have a torque more than 2.5Ncm
- Single pedal foot control for varying the speed
- Integerated irrigation pump
- **System should be with following attachments and accessories**
- Electrical touch screen control unit with irrigation pump
- Pedal foot control
- Motor cable 3 m length
- High speed motor with cable
- Straight handpiece of working length of 40mm
- Angled handpiece of working length of 40mm

- Reusable rosen (cutting) burr 1.8mm,3mm,5mm,6mm,8mm,0.8mm (2 sets of each sizes).
- Reusable diamond burr 1mm,3mm,6mm,8mm,1.8mm,0.8mm (2 sets of each sizes).

### **SCHEDULE 12:**

#### **Mastoidectomy Set (Two Sets)**

- Mallet – 1
- Gouge – 4
- Endaural retractor / post aural retractor – 2.
- Electric Drill (Motor Handpiece & burr) – 1
- Mastoid Seeker – 1
- Aditus seeker 1.
- Malleus Head nipper - 1

### **SCHEDULE 13:**

#### **Stapedectomy set (One Set)**

Micro pick 90 degrees angled : 165 mm length 0.2mm  
Micro pick 90 degrees angled : 165 mm length 0.2mm  
Micro pick straight  
Fisch perforator 160 mm length diameter 0.3mm  
Fisch perforator 160 mm length diameter 0.5mm  
Stapes piston Measuring rod  
Prosthesis crimper 80mm  
Fisch crurotomy scissor curved to right  
Fisch crurotomy scissor curved to left

### **SCHEDULE 14:**

#### **Oesophagoscopy set (One Set)**

##### **Oesophoscopes**

50cm 12x16cm robert jesberg oval tube

30cm 10x12

27cm, 8x12

**Biopsy Forceps** broncho- oesophagoscope forceps single action jaws, sheath diameter 2.5 mm, width 3.5 mm, working length 55 cm

**Foreign Body Removal Forceps** Forceps, alligator, spoon-shaped, single action jaws, semi-flexible, sheath diam 1 mm, length 35 cm

**Suction Long** suction L- 20, 25cm, 40cm, 2mm diameter

Oesophageal Dilators 1 set

### **SCHEDULE 15:**

#### **Bronchoscopy Set (One Set)**

**Bronchoscopes** with light carrier 27.5cm, 3.5mm; 35/30, 7mm ; 45/40cm, lumen 9mm negus broyle  
3

**Biopsy Forceps** forceps alligator sheath diam 1mm, length 40 cm, semi flexible

**Foreign Body Removal Forceps** sheath diam 2.5mm, width 4mm, length 50 cm 1

**Suction** 40 cm,30 cm, 25 cm for brochoscopes diameter 2.5mm, 2mm

### **SCHEDULE 16:**

#### **Tracheostomy set (Two Set)**

- Needle holder
- Bard parker knife handle
- Right angled retractor
- Curved artery
- Straight artery
- Cricoid hook
- Tracheal dilator

### **SCHEDULE 17:**

#### **Antral wash set – (One Set)**

1. Trocar
2. Cannula
3. Higgison's syringe

### **SCHEDULE 18:**

#### **Direct laryngoscopy set (One Set)**

1. Anterior commissure laryngoscope
2. Negus
3. Fibre optic lighting system with light source
4. Foreign body removal forceps

### **SCHEDULE 19:**

- a) Aural syringe – One no.



- b) Aural snare – One no.
- c) Aural cup forceps – One no
- d) Laryngeal forceps– One no
- e) Intubation set – One no
- f) Cricothyrotomy set – One no
- g) Quinsy forcep – One no

## **SCHEDULE 20:**

### **1. ENT Surgical Zooming Operating Microscope Specifications**

**Quantity: Two nos. – 1 for Major OT, 1 for Minor OT**

#### **FLOOR STAND**

1. Rollable floor stand on base with lockable castors, carrier and swivel arms with large reach of 1.30 m or higher, Weight carrying capacity at least 18 Kg. Should have free float magnetic system with Six magnetic brakes Three brakes for Microscope body & three for Microscope Stand with, release of magnetic brakes by handgrips.
2. Manipulation to any position with locking for trouble free operation
3. Suitably Placed LCD display of function and parameters, individual programming for different Surgeons.

#### **MICROSCOPE BODY**

1. Motorized Zoom Magnification system with advanced apochromatic optics. Zoom magnification factors 0.4x to 2.4x activation by handgrip and foot control panel.
2. Total Magnification range 2 X to 18 X or better activated by hand grip and foot control without exchange of objective lens. Integrated continuously variable illumination field from 60mm-15mm or less.
3. Internal Motorized fine focusing system activated by hand grip and foot control continuously.
4. Adjustable working distance from 200-225 mm to 500- 525 mm or more without exchange of objective lens, integrated continuously variable illumination field spot size
5. Integrated 50:50 beam splitter with two additional output inbuilt for connection of co- observation device and video.
6. Binocular Stereo co observation system movable in all axis for assistant surgeon/ teaching purpose Future up gradation to XY module. Frequency range between 50-60 Hz. Automatic Circuit Breaker Adjustable friction of all joints Microscope should be movable on an inclined coupling for positioning in lateral direction. The maximum stretching length of the horizontal arm to be not less than 1000mm. The swivel angles of the carrier arm not less than 300 degree. Balanced microscope with integrated technology to manoeuvre the microscope in all directions with minimal force.

#### **BINOCULAR TUBE**

1. 180 Degree or more tilt able binocular tube with focal length  $f= 200$  mm or more
2. Graduated knob for continuous adjustment of inter- ITender - Supply, Installation and Commissioning of Equipment required in ENT Department AIIMS-Jodhpur Page 9 pupillary distance from 55 mm to 75 mm.

#### **EYE PIECE**

1. Pair of wide field push in eye piece 10X with magnetic locks
2. Diopter setting from -8 D to +5 D, also suitable for spectacles wearers

#### **ILLUMINATION SYSTEM**

1. Coaxial xenon illumination minimum 300 Watt with a back up quick easy lamp changer Xenon bulb **HANDGRIPS**

1. Easily adjustable handgrips with keys for zoom and focus, illumination and magnetic brakes
2. Programming for magnetic brake for control of stand and microscope body brakes Fine Easy auto-balance function with touch of a button/touch screen panel.

**FOOT CONTROL PANEL** Full function foot control panel with Control keys for zoom, focus, movements and light intensity

#### **INTEGRATED DIGITAL VIDEO CAMERA SYSTEM:**

Advanced digital 3CCD full HD Video camera should be Integrated in the microscope body, suitable for connection to PC, colour monitor.

**USER PROGRAMMING:** Programming for starting illumination, Magnification, working distance, Zoom speed & Focus speed for at least 8 - 9 different users.

**VIDEO/ IMAGE DATA MANAGEMENT SYSTEM:** should have fully integrated digital video recording system & still photo with direct recording on USB hard drive & Pen Drive & optional networking facility. **VIDEO MONITOR:** Medical grade Full HD 17" or more display should be mounted on Microscope stand. **UPS & CVT:** Suitable UPS with One hour backup time with SMF Batteries & Stand. Should be able to work on wide input range between 160-270 VAC at 9frequency between 50Hz  $\pm$  2Hz, Should use PWM technology with power conversion with single transformer arrangements with an output of 220VAC  $\pm$  5%, protection of overload, short circuit and low battery. Should have indication on front panel for mains load/battery load/ battery overload-low and MCB protection in case of short circuit. ISI/CE approved good quality Indian make. Compatible CVT should be supplied for protection from voltage fluctuation.

### **SCHEDULE 21:**

#### **Pure Tone Audiometer (1 No)**

Advanced Two Channel Clinical Audiometer with High Frequency upto 20 KHz

1. Air, Bone and Speech
2. Free Field, Speech and Pure Tone
3. 2 Channel Binaural Speech
4. Automatic Threshold (Hughson Westlake)
5. Bekesy test
6. Automatic Speech Scoring
7. 2 Channel Master Hearing Aid
8. Tones : Pure, Warble and Pulsed Tones
9. Masking : WN, NB and SN Masking

**Special Test:** , SISI Free Field (Option) Stenger and ABLB Test Loudness Balancing: 250 Hz, 500 Hz, 2kHz, 4kHz, 6kHz NB noise with direct comparison to standard curves.

Ttdecay: Masking Limen Difference (MLD): Monaural Loudness Balanceing (MLB):  
Number of Channels : Two Independent Oscillators Frequency Range : 125 Hz – 20kHz Intensity  
Range : - 10dB – 120dB (Air Conduction) -10dB – 80dB (Bone Conduction) 5dB and 1 dB  
Attenuators Frequency Resolution: Multi frequency, Medical CE

## **SCHEDULE 22:**

### **Impedance Audiometer / Tympanometer (1 No)**

The Audiometer impedance with contra ear testing facilities

- Multifrequency
- Probe Frequency- 226Hz, 678Hz,800Hz,1000Hz
- Pressure Range- +200 to – 400 dapa
- Volume Range - 0.1 ml to 6.0 ml
- Accuracy -  $\pm 5\%$  to  $\pm 10$  dapa
- Test Time- < 3 Seconds
- Reflex Mode
- Test Frequencies- 500, 1000, 2000, 4000 Hz  $\pm 2\%$
- Test Method- IPSI Lateral, Contralateral
- Noise (Band) - WN/HP/LP · Intensities IPSI Lateral-70 to 110 dbHz
- Intensities Contra Lateral- 70 to 120 dbHz (with TDH 39 )
- Intensity Setting- Automatic or Manual
- Eustachian Tube Function - Intact and Perforated mode
- ETF Pressure Range-+ 300 to – 400 dapa
- Test -IPSI Lateral Reflex Test with AGC, Reflex Delay
- Test Programme- Reflex Test selectable · Memory- Test Result of both ears
- Probe - Light weight, adjustable, Hand Held , With Built in control light & switch
- Printer- Silent Thermal Printer , (with paper printer facility)
- Display-Graphic LCD with adjustable contrast
- Power Supply- Mains 100-240 Volts, 50/60 Hz 25 VA
- PC Interface- USB Cable
- Automatic self calibration

## **SCHEDULE 23:**

### **Brainstem Evoked Response Audiometer with ASSR**

**Quantity – 1 No.**

- 2 channels.
- Windows based.
- Bone Conduction.
- Integrated database.
- Pre-programmed auto tests.
- Waveform reproducibility indication.
- Split left/right recordings.
- Simultaneous recording of condensation rarefaction stimuli.

- Normative data indication.
- Soft attenuator.
- Wave editing during testing
- Digital filter application (during and after test).
- Add, subtract curves
- Low noise amplifier

**Upgraded with OAE, ASSR and VNG, NCT**

- Medical CE-mark
- Easy portability
- EcochG recordings with markers
- Middle Latency
- Late Latency (P300, MMN etc.)
- Cochlear Implant Stimulator Control

**ASSR:**

- PreAmplifier
- 2 channels
- Gain 80 dB
- Frequency Response upto 8000Hz
- Noise 6.0 nV Hz
- CMR Ratio > 115 dB at any frequency between 0.1Hz & 10Hz.
- Input Impedance > 10M
- Accepted electrode offset > 300mV.
- Power from main unit.
- Impedance Check
- Measuring Current 25uA.
- Ranges 0.5k – 25k.

**END OF DOCUMENT**