

TENDER ENQUIRY DOCUMENT

FOR PURCHASE OF MEDICAL EQUIPMENT

FOR

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

**Tender Enquiry No.:
HSCC/KCGMC/Medical Equipment/2015-06/03
Dated 03/03/2016**

BY



HSCC (INDIA) LTD

(A GOVERNMENT OF INDIA ENTERPRISE)

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

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INDEX

Section	Topic	Page No.
Section I	-- Notice inviting Tender (NIT) -----	03
Section II	-- General Instructions to Tenderers (GIT) -----	10
Section III	-- Special Instructions to Tenderers (SIT) -----	28
Section IV	-- General Conditions of Contract (GCC) -----	31
Section V	-- Special Conditions of Contract (SCC) -----	47
Section VI	-- List of Requirements -----	48
Section VII	-- Technical Specifications -----	52
Section VIII	-- Quality Control Requirements -----	86
Section IX	-- Qualification Criteria-----	87
Section X	-- Tender Form -----	89
Section XI	-- Price Schedules -----	90
Section XII	-- Questionnaire -----	95
Section XIII	-- Bank Guarantee Form for EMD -----	96
Section XIV	-- Manufacturer's Authorisation Form -----	97
Section XV	-- Bank Guarantee Form for Performance Security /CMC Security -----	98
Section XVI	-- Contract Form (A & B) -----	99
Section XVII	-- Proforma of Consignee Receipt Certificate -----	103
Section XVIII	-- Proforma of Final Acceptance Certificate by the Consignee -----	104
Section XIX	-- Affidavit/Undertaking	106
Section XX	-- Check List for the Tenderers -----	107
Section XXI	-- Consignee-----	110

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

Tender Enquiry No.: HSCC/KCGMC/Medical Equipment/2015-06

Dated 19.02.2016

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.	Tender Ref No.	Available to download from
1	HSCC/KCGMC/Medical Equipment/2015-06/03	03.03.16

The bidders are required to be registered at HSCC e-tender portal www.tenderwizard.com/HSCC. Please log on to 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. Bidders may also visit www.kcgmkarnal.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 and the details on sale submission and opening of various medical equipment are made available at E-Tender portal www.tenderwizard.com/HSCC, www.hscltd.co.in, www.eprocure.gov.in from dates mentioned above. Prospective bidders are advised to regularly visit / scan through HSCC E-tender portal www.tenderwizard.com/HSCC, www.eprocure.gov.in, www.hscltd.co.in as corrigendum/modification/amendments etc, if any, shall only be notified on these portal/ website and no separate advertisement / correspondences shall be made for this.

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

SECTION- I

NOTICE INVITING TENDERS (NIT)

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

Through

HSCC (INDIA) LTD

(A GOVERNMENT OF INDIA ENTERPRISE)

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

PHONE: 0120-2540153

FAX: 0120-2542447

URL: www.hsccltd.co.in

Tender Ref No.: HSCC/KCGMC/Medical Equipment/2015-06/03

Dated 03.03.2016

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 KalpanaChawla Govt. Medical College, Karnal, Haryana:**

Item No.	Name of the Article	Qty.	DEPARTMENT	EMD (in IRs)
1.	Signoidoscope (Rigid)	6	SURGERY	54000
2.	Operation Theatre Table - Major OT	8	Various Departments	560000
3.	Suction (<i>Surgery - 22 Nos, Obs/Gyn - 14 Nos, ENT - 2 Nos, Anesthesia - 5 Nos & Pediatrics - 1 Nos</i>)	44	Various Departments	17600
4.	Autoclave (Flash)	3	SURGERY	36000
5.	Incubators/Transport incubators (<i>Surgery - 4 Nos., Paed Surgery 3 Nos&Paed Medicine - 1 No</i>)	8	Various Departments	128000
6.	Neonatal Bassinet	4	SURGERY	56000
7.	Stapling device Assorted set	2	SURGERY	40000
8.	Slow suction machine (<i>Paed Surgery - 8 Nos& Anesthesia - 5 Nos</i>)	13	Various Departments	5200
9.	Arthroscopy	1	Orthopedic	75000

10.	Conventional X-ray Unit for routine X-ray with table and IITV - 500mA with Fluoroscope & IITV	1	RADIOLOGY	100000
11.	DIRECT DIGITAL FLAT PANEL FLUOROSCOPY & RADIOGRAPHY SYSTEM	1	RADIOLOGY	500000
12.	CT (64 Slice)	1	RADIOLOGY	1200000
13.	Mammography	1	RADIOLOGY	300000
14.	MRI (1.5 Tesla)	1	RADIOLOGY	1400000

1. The bidders are required to be registered at HSCC e-tender portal www.tenderwizard.com/HSCC. Please log on to 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. Bidders may also visit 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 have been made available at E-Tender portal www.tenderwizard.com/HSCC, www.eprocure.gov.in, www.hsccltd.com (URL: www.hsccltd.co.in) for downloading from **03.03.2016 to 01.04.2016 (upto 13.30 hrs.)**. Prospective bidders are advised to regularly visit / scan through HSCC E-tender portal 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.

HSCC/KCGMC/Medical Equipment/2015-06/03

Sl. No.	Description	Schedule
i.	Dates of sale of tender enquiry documents	03.03.2016 to 01.04.2016 (upto 13.30 hrs.)
ii.	Bid Document can be downloaded from	www.tenderwizard.com/HSCC , www.eprocure.gov.in , www.hsccltd.com
iii.	Cost of the Tender Enquiry Document	INR 5,000/-
iv.	Pre Tender Meeting Date & Time	14.03.2016 , 12:00 hrs. IST
v.	Pre Tender Meeting Venue	HSCC (India) Ltd, Plot No. 6-A, Block-E, Sector-1, Noida (U.P)-201301
vi.	Closing date & time for receipt of Tender	01.04.2016 , 14:30 hrs IST
vii.	Time and date of opening of Techno – Commercial tenders	01.04.2016 , 15:00 hrs IST
viii.	Venue of Opening of Techno Commercial Tender	Same as (v)

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. *(Please submit complete details as per the requirement given in the qualification criteria. Only submitted details will be considered for the evaluation)*
- (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.
- (v) Performance statement along with required PO copies and its corresponding end user's satisfactory performance certificate as per section IX. *(Please submit complete details as per the requirement given in the qualification criteria. Only submitted details will be considered for the evaluation)*
- (vii) 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.
- (viii) 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.
- (ix) 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, www.hsccltd.com, www.eprocure.gov.in 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. Please log on to 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.
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, www.eprocure.gov.in & 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, HSCC (I) Ltd.
For & on behalf of DGMR, Panchkula.**

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

Sl. No.	Topic	Page No.
A	PREAMBLE	
1	Definitions and Abbreviations	10
2	Introduction	11
3	Availability of Funds	12
4	Language of Tender	12
5	Eligible Tenderers	12
6	Eligible Goods and Services	12
7	Tendering Expense	12
B	TENDER ENQUIRY DOCUMENTS	
8	Contents of Tender Enquiry Documents	12
9	Amendments to Tender Enquiry Documents	13
10	Clarification of Tender Enquiry Documents	13
C	PREPARATION OF TENDER	
11	Documents Comprising the Tender	13
12	Tender Currencies	15
13	Tender Prices	15
14	Indian Agent	17
15	Firm Price / Variable Price	17
16	Alternative Tenders	18
17	Documents Establishing Tenderer's Eligibility and Qualifications	18
18	Documents Establishing Good's Conformity to Tender Enquiry Document	18
19	Earnest Money Deposit (EMD)	18
20	Tender Validity	19
21	Signing and Sealing of Tender	20
D	SUBMISSION OF TENDERS	
22	Submission of Tenders	20
23	Late Tender	21

24	Alteration and Withdrawal of Tender	21
E	TENDER OPENING	
25	Opening of Tenders	21
F	SCRUTINY AND EVALUATION OF TENDERS	
26	Basic Principle	22
27	Preliminary Scrutiny of Tenders	22
28	Minor Infirmary/Irregularity/Non-Conformity	23
29	Discrepancy in Prices	23
30	Discrepancy between original and copies of Tender	24
31	Qualification Criteria	24
32	Conversion of Tender Currencies to Indian Rupees	24
33	Schedule-wise Evaluation	24
34	Comparison of Tenders	24
35	Additional Factors and Parameters for Evaluation and Ranking of Responsive Tenders	24
36	Tenderer's capability to perform the contract	25
37	Contacting the Purchaser	25
G	AWARD OF CONTRACT	
38	Purchaser's Right to Accept any Tender and to Reject any or All Tenders	25
39	Award Criteria	25
40	Variation of Quantities at the Time of Award	26
41	Notification of Award	26
42	Issue of Contract	26
43	Non-receipt of Performance Security and Contract by the Purchaser/Consignee	26
44	Return of EMD	26
45	Publication of Tender Result	26
46	Corrupt or Fraudulent Practices	27

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.
- (x) "Day" means calendar day.
- (xi) "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.
- (xii) "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, *inter alia*, 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 original 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 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 be 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 & 19.4	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 for other Schedules.

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 13.5.1 to 13.5.5 shall apply for Statutory variation only at the time of delivery.

Clause 19.4: Following must be read in line with Clause 14.9:

All BGs should be addressed to " Director General, Medical Education & Research, Govt. of Haryana, Panchkula, Haryana".

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). However, payment towards CMC shall be payable by the Purchaser / Consignee directly. Warrantee shall commence from the date successful Commissioning / Final Acceptance of the equipment.

The above Special Instructions to Tenderers shall 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

It is also requested that bidders may please contact the following officials in case of any Technical difficulties in uploading the Tender:

Sh. Harish – M/s Keonics – Mobile No. 9686115318

Sh. Divyanshu, IT Dept., HSCC – Mobile No. 8587883443

Sh. Parikshit, IT Dept., HSCC – Mobile No. 9971097957

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

SI No.	Topic	Page
1	Application	31
2	Use of contract documents and information	31
3	Patent Rights	31
4	Country of Origin	31
5	Performance Security	31
6	Technical Specifications and Standards	32
7	Packing and Marking	32
8	Inspection, Testing and Quality Control	33
9	Terms of Delivery	34
10	Transportation of Goods	34
11	Insurance	34
12	Spare parts	35
13	Incidental services	35
14	Distribution of Dispatch Documents for Clearance/Receipt of Goods	36
15	Warranty	37
16	Assignment	38
17	Sub Contracts	38
18	Modification of contract	38
19	Prices	39
20	Taxes and Duties	39
21	Terms and mode of Payment	39
22	Delay in the supplier's performance	41
23	Liquidated Damages	43
24	Termination for default	43
25	Termination for insolvency	43
26	Force Majeure	43
27	Termination for convenience	44
28	Governing language	44
29	Notices	44
30	Resolution of disputes	44
31	Applicable Law	45
32	With-holding & Lien	45
33	General/Miscellaneous Clauses	45
34	Additional Factors & Parameters for Evaluation & Ranking of Responsive Tenders	46

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 **except CT and MRI for which CMC would be for 8 (Eight) years** 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.

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- 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, inter alia 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 sub-paragraphs.

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 interalia, 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.

- (1) Reimbursement of Custom Duty:** The custom duty amount as mentioned in the price schedule section –XI (B) (convert in INR at the rate of exchange mentioned in bill of entry) will be compared with the actual total custom duty amount paid to custom department and the same will be reimbursed to the supplier as per following:
- a. If the custom duty amount as mentioned in the price schedule section –XI (B) is equal to the actual total custom duty amount levied by custom department, the actual total custom duty amount levied by custom department shall be prevailed and reimbursed to the supplier in INR accordingly.
 - b. If the custom duty amount as mentioned in the price schedule section –XI (B) is more than actual total custom duty amount levied by custom department, the actual total custom duty amount levied by custom department shall prevail and reimbursed to the supplier in INR accordingly.
 - c. If the custom duty amount as mentioned in the price schedule section –XI (B) is less than the actual total custom duty amount levied by custom department, the custom duty amount as mentioned in the price schedule section –XI (B) shall prevail and reimbursed to the supplier at rate of exchange rate mentioned on the bill of entry in INR accordingly.

**SECTION - VI
LIST OF REQUIREMENTS**

Part I

Item No.	Name of the Article	Qty.	DEPARTMENT	EMD (in IRs)
1.	Signoidoscope (Rigid)	6	SURGERY	54000
2.	Operation Theatre Table - Major OT	8	Various Departments	560000
3.	Suction (<i>Surgery - 22 Nos, Obs/Gyn - 14 Nos, ENT - 2 Nos, Anesthesia - 5 Nos & Pediatrics - 1 Nos</i>)	44	Various Departments	17600
4.	Autoclave (Flash)	3	SURGERY	36000
5.	Incubators/Transport incubators (<i>Surgery - 4 Nos., Paed Surgery 3 Nos&Paed Medicine - 1 No</i>)	8	Various Departments	128000
6.	Neonatal Bassinet	4	SURGERY	56000
7.	Stapling device Assorted set	2	SURGERY	40000
8.	Slow suction machine (<i>Paed Surgery - 8 Nos& Anesthesia - 5 Nos</i>)	13	Various Departments	5200
9.	Arthroscopy	1	Orthopedic	75000
10.	Conventional X-ray Unit for routine X-ray with table and IITV - 500mA with Fluoroscope & IITV	1	RADIOLOGY	100000
11.	DIRECT DIGITAL FLAT PANEL FLUOROSCOPY & RADIOGRAPHY SYSTEM	1	RADIOLOGY	500000
12.	CT (64 Slice)	1	RADIOLOGY	1200000
13.	Mammography	1	RADIOLOGY	300000
14.	MRI (1.5 Tesla)	1	RADIOLOGY	1400000

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

45 days from date of Notification of Award (for the item no. at 1 to 9) and 75 days from date of Notification of Award (for the item no. at 10 to 14). 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:

45 days from date of opening of L/C (for the item no. at 1 to 9) and 75 days from date of opening of L/C (for the item no. at 10 to 14). 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 (for the item no. at 1 to 9) and within 30 days of receipt of goods at site (for the item no. at 10 to 14) .

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

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 for all equipment except CT & MRI** for which CMC would **8 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 by the Purchaser/Consignee directly 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.

All Equipments to be quoted should be of Latest Model & should be brand new (not refurbished). Equipments, wherever applicable (otherwise mentioned) should be able to transmit data etc through PACS / HIMS.

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.

TECHNICAL SPECIFICATIONS**Item No. 1****RIGID SIGMOIDOSCOPE**

1. It should have possibility to magnify the view via adjustable magnifier.
2. It should have scale graduated in cm- easy to see level of insertion.
3. Autoclavable.
4. Rectoscope Tube, outer diameter 20-24 mm, working length 20-30 cm, with Obturator.
5. Illumination Head Unit, for Rectoscope Tubes, with fiber optic light transmission, LUER-Lock hub for rubber insufflation bulb, including glass window plug.
6. Glas Window Plug
7. Glass window, for sigmoidoscope.
8. Adjustable Magnifier, for Illumination Head Unit, with sealing cap, for use with 10 mm instruments, including reducer, for use with 5 mm instruments.
9. Rubber insufflation bulb, with detachable tube, with LUER-lock connector, consisting of: Rubber bulb & Rubber tube.
10. LED LIGHT SOURCE- LED , High-Performance LED Cold Light Fountain with one light outlet, power supply 100 - 240 VAC, 50/60 Hz including: 400A Mains cord.
11. Fiber optic cable- Diameter 3.5 to 4 mm with length 230cm or more

12. HAND INSTRUMENTS

- a. Micro Biopsy Forceps, rotating, with connector pin for unipolar coagulation, size 5 mm, length 33-36 cm, single action jaws, consisting of: Plastic Handle, without ratchet Outer Tube, insulated Forceps Insert.
- b. Suction Tube, working length 30-40 cm
- c. Biopsy Forceps, rotating, dismantling, insulated, with connector pin for unipolar coagulation, with LUER lock adaptor for cleaning, large jaws, single action jaws, size 5 mm, length 33-36 cm consisting of: Plastic Handle, without ratchet Outer Sheath, insulated Forceps Insert.

Item No. 2**Name of Item : Operation Theatre Table – Major OT**

	Should have following features:
1	Should be compatible with all makes of C-Arms allowing 100% radiological access of the patient,
2	It should be 5 section hydraulic (Oil Free/Oil leakage proof- Spill free) operation table with split leg section
3	The table should work on mains power supply. Additionally it is also capable of working on high storage capacity batteries with atleast 1hr. back up strength.
4	It should have standby back-up on failure of hand control or microprocessor, an override control panel, for adjustments of height up/down, Trendelenburg/reverse trendelenburg, lateral tilts.
5	The following adjustments must be electro-hydraulically operated via corded hand- control:
a	Height down : 600-750mm
b	Height up : 900-1050mm
c	Trendlenberg : 30-35 degree

d	Rev Trendlenberg : 25-30 degree
e	Lateral tilt (left) : 20-25°
f	Lateral tilt (right) : 20-25°
g	Zero position
h	Battery status to be available on table body/hand remote through color LED.
6	Should have Split Leg sections +10° to -90° and swiveling. Head and leg section detachable.
7	Should be possible to position Head +45° to -45° and Back section up-down : +80° to -40°.
8	The table should be provided with special foam mattress of atleast 50 mm thickness.
9	Should be with a strong solid base with no obstruction to the feet.
10	It should be provided with four swivel castors with Hydraulic locking and breaking device.
11	The base, column cover is made up of ABS/stainless steel which is resistant to impact, breakage and resistance to corrosion.
12	The permissible patient carrying weight to be 250 Kg or above all over the Table Area.
13	Must have table top Kidney elevator / thoracic elevation system.
14	Table top atleast 50-55 cm wide and 190 -200 cm long.
15	The following of same make (CE marked) accessories are to be supplied alongwith each table
a	Arm board with pad and clamp ; 2 Nos
b	Anesthesia screen with clamp : 1 No
c	Lithotomy Padded Leg Holders (ball socket type) : 1 pair
d	Side Lateral supports- with rectangular curved pads : 1 Pair
e	Shoulder support with rectangular pads : 1 Pair
f	X-ray cassette holder for tray
g	IV Pole with bracket : 1 no.
h	Patient restraint strap : 1 No
	Essential Optional accessories , The Bidder must quote the following essential accessories indicating individual price for each of the following essential optional accessories:
i	Uro-Pan with tube and filter : 1 No
ii	Pressure management GEL pads for Head and heels
iii	Head and Body positioner for Prone and Supine position should be offered
17	Having US-FDA or European CE certification according directive EEC93/42
18	Meeting IECEN60601-2-46 safety regulations applicable to surgical tables apart from meeting general safety electrical regulation EN60601-1.
19	All technical specifications accepted in the compliance statement must be supported by printed literature from the firm.
20	Manufacturer should be ISO 9001 : 13485 and European CE certified for quality standards.
	The following essential items must be quoted:
1	All additional essential attachments for Orthopedics Operating Table - 2 complete sets for making it fully functional as Orthopaedics Operation Table.
2	All additional essential attachments for Urology Operating Table - 1 complete set for making it fully functional as Urology Operation Table.
3	All additional essential attachments for ENT Operating Table - 1 complete set for making it fully functional as ENT Operation Table.
4	All additional essential attachments for Endoscopy Procedure Operating Table - 1 complete set for making it fully functional as Endoscopy Procedure Operation Table.

5	All additional essential attachments for General Surgery Operating Table - 3 complete set for making it fully functional as General Surgery Operating Table out of which one no. shall be used for Dental Surgery.
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Item No. 3

SUCTION MACHINE

Should have following facility. –

- Fast vacuum build up, vacuum capacity min. 40L/min, min. -700mm Hg
- Should be very quiet in operation.
- 2lt.x2lt. double suction container, PC/polysulfone, graduated with lid for overflow protection and 2 spare suction tubes.
- operated on 220-240 V/50 Hz
- Mobile caster stand on 4 antistatic castor, 2 with locking device
- European CE approved product.

Item No.4: Autoclave (Flash)

Specifications:-

1. Portable high speed, Microprocessor controlled, rapid autoclave suitable for sterilization for unwrapped instruments using moist heat technique.
2. It should be top/ front loading
3. Cabinet should be of zinc-coated stainless steel; stove enamelled for easy cleaning and should be insulated to prevent high temperature on external surfaces.
4. Chamber should have for maximum heat conductivity and door and trays should be of stainless steel.
5. It should have auto air purging facility.
 - i. It should have display of stage of Cycle, temperature and pressure
6. Should have the following safety features:-
 - Safety lock of door
 - Full safe pressure and temperature lock door.
 - Overheat protection through forced air cooling.
 - Door interlock switch.
 - Alarm indicator for error situation.
 - Pressure safety valve
7. It should be supplied with essential accessories like a set of interment trays and wire basket.
8. Other technical specifications:
 - i. Chamber capacity : 20-25 Litres.
 - ii. Load capacity : 5 kg (Approx)
 - iii. Chamber size : 18 to 22 inches (Approx.)
 - iv. Sterilization Temperature : 134 degree C. (Approx.)
9. The product should conform to IS/BS/International standards
10. It should have facility for use of regular tap water.

Item No. 5 Incubators / Transport incubators

Amended Specification
Specification of Baby Incubator
It should have double lock system with collapsible trolley. Trolley to have provision for 2 light weight cylinders with pin index mechanism. Scratch & rust proof coating.
It should have Air curtain of access port.
It should have mattress platform.
It should have Electro Static Filter (Optional).
It should have excellent visibility.
It should have active / passive humidification
It should have sanitary structure for thorough cleaning of the unit.
It should have rotary damper control for quieter operation of the admittance panel.
It should have O ₂ controller.
It should have power requirements up to 800 VA (max.). Battery back-up min. 1 hour. IV Pole stand.
It should have Air velocity 10 cm/s or below.
It should have accessories pneumoclean, dustcover, piping connecting hose 3m, oxygen sensor and skin temp probe, 5 mm O.D.
It should have snap open access ports to opened and close the doors silently.
Should be US FDA/European CE approved
Specifications:-
Power requirements : Main body: customer specified Power consumption : 600VA (Maximum)
Classification Class I, type BF
Temperature Control : Temperature & Alarms to have LED/LCD display .Alarms to be Audible and visual alarms.
<ul style="list-style-type: none"> · Skin temperature setting range: 34.0 ~37.5 0C / 93.2 ~99.5 0F (servo control) 37.6 ~38.0 0C / 99.7 ~100.4 0F (over ride). · Skin temperature display range: 30.0 ~42.0 0C / 86 ~107.6 0F. · Incubator air temperature setting range: 23.0 ~37.0 0C / 73.4 ~98.6 0F (manual control) 37.1 ~39.0 0C / 98.8 ~102.2 0F (over ride). · Incubator air temperature setting range: 23.0 ~37.0 0C / 73.4 ~98.6 0F (manual control) 37.1 ~39.0 0C / 98.8 ~102.2 0F (over ride). · Alarms: high temperature, set temperature, skin temperature probe
<ul style="list-style-type: none"> · Incubator air temperature setting range: 20.0 ~42.0 0C / 68 ~107.6 0F Heater Output: 0 ~100% (in 10 levels). · Alarms: high temperature, set temperature, skin temperature probe
Noise level Approx. 41 dB (without humidification) approx. 44dB (with humidification)
Mattress tilting range 13 degree (Optional)

Item No. 6**Name of Item : Neonatal Bassinet**

1 Should be a microprocessor controlled system with future expandability/ upgrade for additional functions and small footprint
2. Should have warmer integrated on trolley and control panel for settings and messages
3 Should have an integrated radiant warmer with Smart Swivel to keep heat always focused on the baby , even when radiant heater is moved to side for procedures. Warmer specifications should be as below:
a. Radiant power at a distance of 80 cm should not be more than 10 – 30 mw/cm ²
b. 2 infrared ceramic radiating elements

c. Should have an integrated procedure light (20 – 25 W) and a night lamp (7 – 10 W)
d. Minimum Clearance between top edge of warmer and ceiling should be ≥ 50 cm
4. Tilting should be smooth and should be from +20 Degrees to – 15 Degrees
5. Height adjustment should be through two footswitches with smooth jerk free movement
6. Control Panel should have built in self test when switched on. It should have :
a. Manual Temperature control to set temperature regardless of core temperature
b. Servo / Baby mode – warmer output automatically adjusted according to temperature difference between skin temperature and desired value
c. Alarms for deviations in temperature of ± 0.50 Cent.
d. Central Large alarm with audio for deviations in temperature e. Measurement of central and peripheral temperature
f. Continuous measurement with Large easy to read display
7 Integrated Phototherapy unit (optional) in same unit as warmer a.with halogen lamp for phototherapy
8. Physical dimensions should not be more than 150 cm (L) x 100 cm (W) x 200 cm (D)
9. Warmer should confirm to relevant EN standard for Electrical Safety and should have Euro CE and US FDA approvals
10. Standard scope of supply must include :
a. Warming Unit
b. Skin servo mode
c. Alarm facility with thermo monitoring
d. In Built scale (optional) which should be easily integrated
e. Bed tilt facility
f. Heated gel mattress / X Ray Tray
g. Integrated RS232C output
h. Temperature probes – reusable or disposable.

Item No. 7

Stapling Device Assorted Set

TENDER SL .NO.	NAME	SPECIFICATIONS	UNIT
	ENDOSCOPIC STAPLERS FOR LAPROSCOPIC SURGERY INCLUDING BARIATRIC SURGERY		
1	Endo GIA Stapler Gun	Laprosopic Linear cutter without integrated knife with 360 rotation , 0-45 degree articulation on both direction with use in cartridge size 30mm, 45mm and 60mm	1
2	Endo GIA Stapler Gun (Short Length)	Laprosopic Linear cutter without integrated knife with 360 rotation , 0-45 degree articulation on both direction with use in cartridge size 30mm, 45mm and 60mm	1

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3	ARTICULATING ENDO CUTTER WITH 360 DEGREE ROTATION SHAFT (60MM)	ARTICULATION UP TO 45 DEGREES, PRECISION MACHINED ANVIL TO DELIVER INITIAL, SYSTEM WIDE COMPRESSION, STROKE COUNT INDICATOR, KNIFE DIRECTION/REVERSE CONTROL TO DISCONTINUE THE FIRING AND RETURN THE KNIFE, PRECISION MACHINED ANVIL TO DELIVER INITIAL, SYSTEM WIDE COMPRESSION.	1 pc
4	ARTICULATING POWERED ENDO CUTTER WITH 360 DEGREE ROTATION SHAFT (60MM)	ARTICULATING UP TO 45 DEGREES, PRECISION MACHINED ANVIL TO DELIVER INITIAL, SYSTEM WIDE COMPRESSION , STROKE COUNT INDICATOR, KNIFE DIRECTION/ REVERSE CONTROL TO DISCONTINUE THE FIRING AND RETURN THE KNIFE, PRECISION MACHINED ANVIL TO DELIVER INITIAL, SYSTEM WIDE COMPRESSION.	
5	ENDOSCOPIC LINEAR CUTTETR 45 MM	ARTICULATING ENDO CUTTER WITH 360 DEGREE ROTATION SHAFT AND ONE HANDED NATURAL ARTICULATION UP TO 45 DEGREES.	1 pc
6	END TO END ANASTOMOSIS 25MM DEVICE FOR GASTRIC BYPASS	25MM ANVIL ASSEMBLY, BOTH WITH THE ANVIL HEAD SHOULD BE SECURED IN THE TILTED POSITION. THE ANVIL ASSEMBLY SHOULD BE MOUNTED ON A 90CM LONG PVC DELIVERY TUBE AND IS SECURED TO THE TUBE WITH A SUTURE	
ENDOSCOPIC STAPLERS CARTRIDGE FOR LAPROSCOPIC SURGERY INCLUDING BARIATRIC SURGERY			
7	TRISTAPLE 60MM CARTRIDGE	LAPAROSCOPIC LINEAR CUTTER RELOAD WITH KNIFE, 60MM WITH THREE ROWS DIFFERENT LEG LENGTH FOR MEDIUM TO THICK TISSUE RANGE.	
8	TRISTAPLE 60MM CARTRIDGE	LAPAROSCOPIC LINEAR CUTTER RELOAD WITH KNIFE, 60MM WITH THREE ROWS DIFFERENT LEG LENGTH FOR VASCULAR TO MEDIUM THICK TISSUE RANGE.	
9	TRISTAPLE 60MM CARTRIDGE	LAPAROSCOPIC LINEAR CUTTER RELOAD WITH KNIFE, 60MM WITH THREE ROWS DIFFERENT LEG LENGTH FOR EXTRA THICK TISSUE RANGE.	
10	TRISTAPLE 45MM CARTRIDGE	LAPAROSCOPIC LINEAR CUTTER RELOAD WITH KNIFE, 45MM WITH THREE ROWS DIFFERENT LEG LENGTH FOR MEDIUM TO THICK TISSUE RANGE.	
11	TRISTAPLE 45MM CARTRIDGE	LAPAROSCOPIC LINEAR CUTTER RELOAD WITH KNIFE, 45MM WITH THREE ROWS DIFFERENT LEG LENGTH FOR VASCULAR TO MEDIUM THICK TISSUE RANGE.	
12	TRISTAPLE 45MM CARTRIDGE	LAPAROSCOPIC LINEAR CUTTER RELOAD WITH KNIFE, 45MM WITH THREE ROWS DIFFERENT LEG LENGTH FOR EXTRA THICK TISSUE RANGE.	
13	CURVED VASCULAR MEDIUM SULU	LAPAROSCOPIC LINEAR CUTTER CURVED TIP RELOAD WITH KNIFE, 45MM , WITH THREE ROWS DIFFERENT LEG LENGTH FOR VASCULAR TO MEDIUM RANGE	
14	ENDO CARTRIDGE 60MM BLUE	LAPAROSCOPIC LINEAR CUTTER CARTRIDGES 60MM BLUE WITH FRESH INTEGRATED KNIFE.	
15	ENDO CARTRIDGE 60MM WHITE	LAPAROSCOPIC LINEAR CUTTER CARTRIDGES 60MM WHITE WITH FRESH INTEGRATED KNIFE.	
16	ENDO CARTRIDGE 60MM GREEN	LAPAROSCOPIC LINEAR CUTTER CARTRIDGES 60MM GREEN WITH FRESH INTEGRATED KNIFE.	
17	ENDO CARTRIDGE 45 MM BLUE	LAPAROSCOPIC LINEAR CUTTER CARTRIDGES 45MM BLUE WITH FRESH INTEGRATED KNIFE.	
18	ENDO CARTRIDGE 45 MM WHITE	LAPAROSCOPIC LINEAR CUTTER CARTRIDGES 45MM WHITE WITH FRESH INTEGRATED KNIFE.	
19	ENDO CARTRIDGE 45 MM GREEN	LAPAROSCOPIC LINEAR CUTTER CARTRIDGES 45MM GREEN WITH FRESH INTEGRATED KNIFE.	
20	ENDOSCOPIC LINEAR CUTTER CARTRIDGE (60MM)	60MM STAPLE LINE , GOLD CARTRIDGE HAVING CLOSED STAPLE HEIGHT 1.8MM, COMPATIBLE WITH ENDOSCOPIC LINEAR CUTTER 60MM	1 pc
21	ENDOSCOPIC LINEAR CUTTER CARTRIDGE (60MM)	60MM BLUE CARTRIDGE HAVING CLOSED STAPLE HEIGHT OF 1.5MM COMPATIBLE WITH ENDOSCOPIC LINEAR CUTTER 60MM	1 pc

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22	ENDOSCOPIC LINEAR CUTTER CARTRIDGE (60MM)	60MM STAPLE LINE , GREEN CARTRIDGE HAVING CLOSED STAPLE HEIGHT OF 2MM COMPATIBLE WITH ENDOSCOPIC LINEAR CUTTER 60MM	1 pc
23	ENDOSCOPIC LINEAR CUTTER CARTRIDGE (60MM)	60MM STAPLE LINE , BLACK CARTRIDGE HAVING CLOSES STAPLE HEIGHT 2.3MM COMPATIBLE WITH ENDOSCOPIC LINEAR CUTTER 60MM	1 pc
24	ENDOSCOPIC LINEAR CUTTER CARTRIDGE (60MM)	60MM STAPLE LINE, WHITE CARTRIDGE HAVING CLOSED STAPLE HEIGHT OF 1.0MM COMPATIBLE WITH ENDOSCOPIC LINEAR CUTTER 60MM	1 pc
25	ENDOSCOPIC LINEAR CUTTER CARTRIDGE (45MM)	45MM STAPLE LINE , GOLD CARTRIDGE HAVING CLOSED STAPLE HEIGHT 1.8MM, COMPATIBLE WITH ENDOSCOPIC LINEAR CUTTER 45MM	
26	ENDOSCOPIC LINEAR CUTTER CARTRIDGE (45MM)	45MM STAPLE LINE BLUE CARTRIDGE HAVING CLOSED STAPLE HEIGHT OF 1.5MM COMPATIBLE WITH ENDOSCOPIC LINEAR CUTTER 45MM	
27	ENDOSCOPIC LINEAR CUTTER CARTRIDGE (45MM)	45MM STAPLELINE, GREEN CARTRIDGE HAVING CLOSED STAPLE HEIGHT OF 2MM COMPATIBLE WITH ENDOSCOPIC LINEAR CUTTER 45MM	
28	ENDOSCOPIC LINEAR CUTTER CARTRIDGE (45MM)	45MM STAPLELINE, WHITE CARTRIDGE HAVING CLOSED STAPLE HEIGHT OF 1.0MM COMPATIBLE WITH ENDOSCOPIC LINEAR CUTTER 45MM	
STAPLER CARTRIDGE FOR OPEN ANTERIOR RESECTION			
29	C-SHAPED RELOAD CARTRIDGE	60MM FOR ANTERIOR RESECTION WITH 3 ROWS OF DIFFERENT STAPLE HEIGHT ON EACH SIDE WITH FACILITY TO CUT IN BETWEEN.	
30	LINEAR CUTTER FOR C SHAPED RELOAD	STAPLER WITHOUT KNIFE FOR C SHAPED RELOAD FOR ANTERIOR RESECTION	
31	CIRCULAR STAPLER 25MM	25MM CIRCULAR STAPLER WITH SLIM TILT TOP ANVIL DESIGN	
32	CIRCULAR STAPLER 28MM	28MM CIRCULAR STAPLER WITH SLIM TILT TOP ANVIL DESIGN	
33	CIRCULAR STAPLER 31MM	31MM CIRCULAR STAPLER WITH SLIM TILT TOP ANVIL DESIGN	
34	CIRCULAR STAPLER 33MM	33MM CIRCULAR STAPLER WITH SLIM TILT TOP ANVIL DESIGN	
35	PROXIMATE INTE-LUMINAL STAPLERS	CURVED SHAFT ANVIL DETACHABLE, 29MM WITH LUMEN SIZE 20.4, WITH ADJUSTABLE STAPLE HEIGHT (1.0-2.5MM) FOR CONTROLLED TISSUE COMPRESSION, LONGER STAPLE LEG 5.5MM, NON-SLIP GRIPING SURFACE	1 pc
36	PROXIMATE INTE-LUMINAL STAPLERS	CURVED SHAFT ANVIL DETACHABLE, 33MM WITH LUMEN SIZE 24.4, WITH ADJUSTABLE STAPLE HEIGHT (1.0-2.5MM) FOR CONTROLLED TISSUE COMPRESSION, LONGER STAPLE LEG 5.5MM, NON-SLIP GRIPING SURFACE	1 pc
STAPLERS FPR OPEN SURGERY			
37	UNIVERSAL GIA LINEAR CUTTER 55-60MM	LINEAR CUTTER 55/60 MM WITHOUT INTEGRATED KNIFE, REUSABLE AND AUTOCLAVABLE	
38	UNIVERSAL GIA LINEAR CUTTER 75-80MM	LINEAR CUTTER 75/80 MM WITHOUT INTEGRATED KNIFE, REUSABLE AND AUTOCLAVABLE	
39	UNIVERSAL GIA LINEAR CUTTER 100MM	LINEAR CUTTER 100MM WITHOUT INTEGRATED KNIFE, REUSABLE AND AUTOCLAVABLE	
40	SELECTABLE STAPLE HEIGHT LINEAR CUTTER 55MM	SELECTABLE STAPLE HEIGHT LINEAR CUTTER 55MM HAVING 6 ROWS OF STAPLE LINE, & INTEGRATED NEW KNIFE BLADE, & TWO SIDED FIRING, REUSABLE AND AUTOCLAVABLE	1 pc
41	SELECTABLE STAPLE HEIGHT LINEAR CUTTER 75MM	SELECTABLE STAPLE HEIGHT LINEAR CUTTER 75MM HAVING 6 ROWS OF STAPLE LINE, & INTEGRATED NEW KNIFE BLADE, & TWO SIDED FIRING, REUSABLE AND AUTOCLAVABLE	

42	CURVED CUTTER AND RELOAD	CURVED CUTTER FOR LAR COMPATIBLE WITH RELOAD BLUE AND GREEN WITH CLOSED STAPLE HEIGHT OF 1.44MM AND 2.0 MM	
43	REUSABLE LINEAR CUTTER AND RELOADS	REUSABLE LINEAR CUTTER 55MM WITH KNIFE OR NO KNIFE MODULE AND BLUE AND GREEN RELOADS	
	STAPLER CARTRIDGE FOR OPEN SURGERY		
44	LINEAR CUTTER RELOAD 55-60 MM	CARTRIDGE FOR LINEAR CUTTER 55/60 MM SIZE WITH INBUILT FRESH KNIFE BLUE/GREEN	
45	LINEAR CUTTER RELOAD 75-80 MM	CARTRIDGE FOR LINEAR CUTTER 75/80 MM SIZE WITH INBUILT FRESH KNIFE BLUE/GREEN	
46	LINEAR CUTTER RELOAD 100MM	CARTRIDGE FOR LINEAR CUTTER 100 MM SIZE WITH INBUILT FRESH KNIFE BLUE/GREEN	
47	UNIVERSAL LINEAR CUTTER CARTRIDGE 55MM	CARTRIDGE WITH OPTION OF CLOSED STAPLE HEIGHT OF 1.5MM/1.8MM/2MM COMPATIBLE WITH SELECTABLE STAPLE HEIGHT LINEAR CUTTER 55MM	
48	UNIVERSAL LINEAR CUTTER CARTRIDGE 75MM	CARTRIDGE WITH OPTION OF CLOSED STAPLE HEIGHT OF 1.5MM/1.8MM/2MM COMPATIBLE WITH SELECTABLE STAPLE HEIGHT LINEAR CUTTER 75MM	
HAEMORRHOID STAPLER			
53	HEMORRHOICAL STAPLER KIT	33 MM HEMORRHOICAL CIRCULAR STAPLER (WITH FIXED ANVIL, ADJUSTABLE CLOSED STAPLE HEIGHT FROM 0.75MM -1.5MM, STAPLE OPEN LEG LENGTH OF 5.5MM), SUTURE THREADER, CIRCULAR ANAL DILATOR, PURSE -STRING SUTURE ANOSCOPE, SUTURE FOR PURSE STRING	
SKIN STAPLER			
54	DISPOSABLE SKIN STAPLER	MULTI-DIRECTIONAL DISPOSABLE SKIN STAPLER WITH COATED RECTANGULAR STAPLES (KRYOTEX) HAVING DIMENSION OF 6.9MMX3.9MM WITH 35 NUMBERS OF STAPLES WITH ALIGNMENT INDICATOR	
55	SKIN STAPLER EXTRACTOR	SQUEEZE HANDLE STAPLE EXTRACTOR	
DISPOSABLE CLIP APPLIER FOR OPEN SURGERY			
56	PRELOADED OPEN CLIP APPLIER SMALL (24CM)	DISPOSABLE OPEN CLIP APPLIER WITH PRELOADED TITANIUM CLIPS 20(SIZE : SMALL)	
57	PRELOADED OPEN CLIP APPLIER MEDIUM (29CM)	DISPOSABLE OPEN CLIP APPLIER WITH PRELOADED TITANIUM CLIPS 30(SIZE : MEDIUM)	
58	PRELOADED OPEN CLIP APPLIER LARGE (34CM)	DISPOSABLE OPEN CLIP APPLIER WITH PRELOADED TITANIUM CLIPS 20(SIZE : LARGE)	
DISPOSABLE CLIP APPLIER FOR LAPAROSCOPIC SURGERY			
59	5MM LAPAROSCOPIC CLIP APPLIER	DISPOSABLE 5MM CLIP APPLIER WITH PRELOADED 18 TITANIUM CLIPS	

60	ENDOSCOPIC ROTATING CLIP APPLIER	15 PRELOADED TITANIUM CLIPS OF MEDIUM LARGE SIZE (LT300) WITH SHAFT LENGTH OF 33MM & CLOSED CLIP LENGTH OF 8.8MM	
61	10MM LAPAROSCOPIC CLIP APPLIER -LARGE	DISPOSABLE 10MM CLIP APPLIER WITH PRELOADED TITANIUM LARGE CLIPS	
62	10MM LAPAROSCOPIC CLIP APPLIER - MED-LARGE	DISPOSABLE 10MM CLIP APPLIER WITH PRELOADED TITANIUM MEDIUM-LARGE-CLIPS	

Item No. 8**SLOW SUCTION MACHINE (PORTABLE TYPE)**

Should have following facility. –

- Vacuum build up, vacuum capacity min. 20L/min, min. -550mm Hg
- Should be very quiet in operation.
- 1lt.x1lt. suction containers, PC/polysulfone, graduated and 2 spare suction tubes.
- operated on 220-240 V/50 Hz
- European CE approved product.

Item No. 9**Arthroscopy System**

S. No.	Tender Specification	Qty
	Specifications for Arthroscopy System: Complete Arthroscopy Set with high definition camera, HD monitor 26", Scope, General Instruments, Shaver System, Arthroscopy Pump System, hand instruments.	
	High Definition 3 chip Camera System:	01 No.
1	Resolution of 1920x1080 pixels full HD Progressive scan which displays 50-60 frames/sec 16:9 / 16:10 format. DVI & HD SDI / Another DVI Port video output. Inbuilt 16 step digital Image Enhancer on console	
2	Console	
i	Camera console 220v with universal coupler & Autoclavable/ Sterilizable camera Integrated Flexible Scope filter.	
ii	Shockproof prism mounting	
iii	Signal to Noise ratio-60 dB - 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 controls on camera head. Digital zoom & white balance on camera head	
viii	Should have optical zoom lens 16 -28mm or more, to increase and decrease the size of image which should remain in focusing zone, without readjusting the focus	
x	The camera head should have optical zoom and focus lens/rings to make it fully soakable	
3	<u>Light Source</u>	
	<u>LED Light Source 200 watts or above/ 300watts Xenon light source</u>	01 No.

i	Light intensity is dimmable from zero to 100 percent and can be controlled via the camera head.	
ii	Universal jaws for accepting any make fiber optic cable.	
iii	Adjustable light intensity from 0 to 100 percent; lamp life of minimum 25000 hours for LED light source and in case of Xenon light source extra bulbs should be quoted to match the bulb life of LED light source.	
iv	Extra long Fiber Optic Cable, fully autoclavable.	
4	High Definition Monitor 26" 01 No.	
	High Definition LED monitor, screen 26", 1080p Full HD wide view monitor with aspect ratio of 16:10/16:9 Option for wall mounting and desktop in same unit	
5	Arthroscope Sets	
	HD Telescope, Autoclavable, fiber optic light transmission	
	Wide Angle Forward Oblique, 4mm, 30 Deg, enlarged view, diameter 4 mm, length 13-15 cm or more.	01 Nos.
	High Flow arthroscopic Sheath with snap incoupling mechanism diameter 5/6.5mm, working length 13.5 cm, two stopcocks, for use with telescopes with Obturators sharp	01 Nos.
6	Shaver System	
	Console	01 No.
	• Electronic Control Unit	
	• Pre Programmed Memory	
	• Shaving RPM 7000 or more, Oscillation mode 500-3000 RPM	
	Foot Control	01 No.
	Handpiece:	
	Autoclavable, quick coupling of blades should be possible	
	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	01 Nos. Each
	Disposables	05 Nos. Each
	• Full radius resector-	
	• End cutter-	
	• Aggressive Cutter.	
	• Meniscus Cutter.	
	• Oval Burr	
	• Small joint blades	
7	ACP/PCL Reconstruction Set	01 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.	
	Note: the above mentioned three can be combined product also for Multipurpose open and closed tendon stripper for harvesting the graft	
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 femoral offset aimer 4,6mm. (for transtibial femoral preparation)	01 Each
8	Femoral offset aimer 5,7mm.	01 Each
9	Reamers 5,7	
10	Length Gauge for measuring the tunnel.	
11	Reaming Wire	
12	Curette	
13	Rasp	
14	Suture grasper	
15	Femoral target guide for outside in PCL reconstruction / PCL tibial arm compatible with ACL zig for accurate tunnel placement	
16	Femoral target guide with handle for PCL reconstruction for use through anterolateral portal 4 locking positions for drill 7, 8, 9,10mm/ PCI Femoral arm compatible with ACL zig for accurate tunnel placement	
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, diameter 1.5mm, working - length 15-18cm.	
8	Arthroscopic Pump System with Tubing:	
	Each of following:	01 No.
	• 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	
	Disposables: Arthroscopic Inflow/Outflow tubing (10-15 ft) set with connector	10 Nos
9	Modular Cart (Indian)	01 No.
	• Made of rust free material	

•	Lockable casters	
•	Arm on top to hold monitor	
•	Four equipment shelves	
•	Open back for equipment access	
10	Recording System	01 No.
•	Should be High definition recording system with disc capacity of 250GB or more	
	All components except trolley and recording system should be of same make, all components except trolley should be USFDA/European CE certified	

Item No. 10

500 mA X-Ray Fluoroscopy Unit with Table & IITV

A. Generator:

Generator should be high frequency type for constant output & Microprocessor controlled. Output 50 KW or more.

KV range 40 KV – 125 KV or more.

Output at 100 KV should be 500 mAs or more.

It should have digital display of KV & mAs. It should have over loading protection.

I.I.T.V. 9" Chain should be provided with 17" Monitor and memory system for daylight fluoroscopy system.

Spot Film Device (SFD) with capability to hold following sizes of Cassettes: 14"x14", 12"x10" & 10"x8" with sub-division in 1:3, 1:2 & 1:4. & Should be Automatic

B. X – Ray Tube, Collimator & Column Stand:

The two x-ray tube (interchangeable) should be rotating and of high speed, compatible with the generator and must have dual focus.

Focal spots of following sizes:

Large Focus: 1.2/2.0 mm or better. Small Focus: 0.6/1.0 mm or better.

Tube with anode heat storage capacity 150 KHU or more.

Tube rating for both over & under couch should be 30 / 50 KW.

Motorized collimator having additional filters (for Dose Reduction), auto shut provision for the light. Counterbalanced floor/floor to ceiling stand with rotation of both tube as well as column with electro magnetic locking system for smooth positioning.

C. X – Ray Table:

Motorised Examination Table:

1. The table should move from -12 degree Trendlenburg position to vertical with Automatic stop at Horizontal, Vertical & Trendlenburg position.

2. Automatic Spot Film Device capable of doing all routine Spot Filming (4 on 1, 2 on 1, 1 on 1) for use with 8" x 10", 10" x 12", 14" x 14" cassettes should be provided.

3. Grid Size 15" x 15" & of Ratio 6:1, 60 lines per inch should be provided.

4. Motorised Bucky of Ratio 10:1, 85 Lines/inch or more.

5. Table accessories: Stray radiation Lead Rubber Flaps, Stainless Steel Cassette Tray, Compression Band, Hand Grips and Foot Rest, Foot Steps to be provided.

D. Vertical Bucky Stand:

Vertical Bucky Stand with option of Chest Radiography without grid. It should be able to take up cassettes of different sizes up to 14"x17".

NOTE:

Unless otherwise mentioned elsewhere in the Technical Specifications, the bidder has to comply with the following:

1. The quoted Equipment should have valid AERB Type Approval of the Manufacturer for Radiological Equipments (AERB NOC will not be accepted). Manufacturing firm should be ISO approved. Vendors shall assist the Consignee in getting AERB Site Plan approval prior to installation, wherever applicable. QA Test to be performed by vendor on regular interval as per AERB norms during Warranty & CMC. Cost to be borne by the vendor.
2. The Bidders are advised to visit the Site to assess the site condition of Equipment placement and installation before quoting & obtain all necessary details as no representation shall be entertained on later date / after submission of quotation onwards.
3. The Bidder is required to carry out minor modification in terms of Civil (including trenches, railing etc, if required), Mechanical (including HVAC, if required) & Electrical to meet the AERB requirements for satisfactory working of the equipment.
4. The company shall construct the protection chamber with 80 cm x 100 cm Lead Glass Window of 2 mm thick lead equivalent or provide Stand Alone Radiation Protection Shield for all Radiological Equipments, wherever applicable/needed.
5. Bidders must take into consideration in its bid costs to be incurred for any additional work viz. Electrical cabling of suitable ratings, Electrical points of suitable ratings, water connection, water drainage, plumbing & allied requirements for the equipment etc. required for successful installation, commissioning and running of the Equipment and the "All inclusive lump sum price" should include all such costs. The Firm is required to provide / quote for both breakup cost & Total Lump sum cost towards the Turnkey works.
6. The Department shall provide only three phase power supply along with Air-conditioning Ducting outlets with de-humidifying system at a suitable position in the concerned installation area. The rest of the work will be done by the firm on "Turnkey Basis" including rails for floor to ceiling column stand etc., if required etc. Earthing to be provided by the employer as per the requirement of the firm & this should be mentioned in the bid. Minimum necessary furniture and fire extinguisher system need to be part of Turnkey.
7. "Special Compliance Note" at the end of the Technical Specifications may please be read in continuation with the above into while quoting.

Item No. 11**TECHNICAL SPECIFICATIONS OF DIRECT DIGITAL FLAT PANEL FLUOROSCOPY & RADIOGRAPHY SYSTEM**

The Unit should be US FDA approved High powered X-Ray unit with Direct digital flat panel equipped with completely integrated high-frequency generator, digital detector and Digital Image processing system. It should be capable of performing all plain and contrast enhanced radiography and fluoroscopy along-with angiography along with facility for interventional procedures. The system should have the following essential features.

Out of Fluoroscopy Table, X-ray tube, Generator & Flat panel detector at least 2 should be from the main manufacturer.

1. Table :

- 1.1 Floor mounted adjustable height table with floating table top of carbon fiber or equivalent suitable, scratch resistant surface.
- 1.2 Compact Bucky table with digital flat panel detector
- 1.3 Continuously motorized remotely controlled longitudinal and transverse and vertical movements. Please specify the range of movements
- 1.4 Motor-assisted digital detector movements synchronized with tube movements.
- 1.5 Motor driven + 90⁰/-15⁰ or more table tilt along with Digital angle display.
- 1.6 Removable grid for SID of 100cms for horizontal table applications
- 1.7 Remotely controllable compression and controllable collimator
- 1.8 Patient load 160kg or more
- 1.9 System should have well designed foot switch for releasing fluoroscopy & acquisition
- 1.10 System should have provision for collision protection
- 1.11 Injector interface.

2. Digital Detector for Fluoroscopy & Direct Radiography:

- 2.1 Single Digital flat panel Detector of size 43 x 43cm or more, made of amorphous silicon with CSI scintillator
- 2.2 Image Matrix 2800x2800 or better
- 2.3 DQE > 65% at 0lp/mm
- 2.4 Specify details of Image resolution
- 2.5 Digitization depth 14 bits or more
- 2.6 Pixel size should be 150 micron or less.
- 2.7 Three zoom levels
- 2.8 Should allow centered/de-centered collimation
- 2.9 Specify refresh cycle (time for second exposure)

3. Vertical Bucky (Wall stand)

- 3.1 Motorized, counter balanced adjustable height vertical Bucky with digital flat panel detector.
- 3.2 Should be possible to tilt the Vertical detector system (-15⁰ to + 90⁰) and should travel from 1foot to 6 ½ feet above floor level.
- 3.3 Detector movement should be synchronized with movement of the X-Ray tube.
- 3.4 Removable grid for SID of 180cms for vertical bucky applications

4. Monitors :

Four number ultra-high resolution, high-definition monochrome monitors, medical grade 19" LCD or more for high-contrast (minimum 2mega pixel), distortion free image display – separately for the live and reference images. Two monitors to be ceiling suspended in exam room and two in control console.

Post acquisition image processing, viewing, reprocessing, hard copy documentation and onward transmission should be possible while doing fluoroscopy or radiography.

5. X-Ray generator:

- 5.1 Microprocessor controlled high-frequency generator with power output of 80kW at 1000 mA or 100 kW at 800mA
- 5.2 Touch screen operation for multiprogramming. User defined programs (Vendor defined programs)
- 5.3 Radiography:
 - (i) kV Range 40- 150 kV
 - (ii) mA Range 10- 1000mA in radiography
 - (iii) minimal Exposure time 1 ms or less
 - (iv) Anatomical programmed Radiography
- 5.4 Fluoroscopy
 - (i) k v Range 40-110 kv.or better
 - (ii) m A Range: 0.5 to 5mA or better
 - (iii) Pulsed fluoroscopy should be available
- 5.5 Protection required from overload and main supply automatic compensation
- 5.6 Automatic exposure control. It should be possible to override AEC if required

6. X-Ray Tube:

- 6.1 One number ceiling suspended Dual focus X ray tube with rotating anode with 9000 rpm or more.
- 6.2 Anode heating capacity 600 kWh or more. Mention the heat dissipation rate.
- 6.3 Dual Focus Tube with small focal spot size 0.6 or less and large focal spot 1.2mm or less. X-Ray tube rating should be compatible with X-ray generator output
- 6.4 Small focal spot power rating should be in the range 30-50 kW
Large focal spot power rating should be in the range 70 to 90 kW
- 6.5 Longitudinal movement of tube across the patient must be 100 cm or more
- 6.6 Rotation of X-ray tube assembly +/- 90 degree or more.
- 6.7 Variable SID 150 cms. or more motorized adjustments
- 6.8 Should have provision of electromagnetic locks with collision protection sensors
- 6.9 Multileaf collimator having halogen lamp/bright light source and auto shut provision of the light
- 6.10 Collimator must be mounted on x-ray tube and Collimator must have an integrated Dose Area Product (DAP) meter. Output of DAP meter should be visible in software console.

7. Direct Digital imaging System for fluoroscopy

- 7.1 Field of view of at least 40cms or more
- 7.2 Collimator may be rectangular or iris type
- 7.3 System should have real-time optimization techniques to maintain constant brightness at the lowest allowable dose to the patient
- 7.4 Should have Cine loop facility and last image hold facility during fluoroscopy
- 7.5 Acquisition matrix at least 1024X1024 at 10 bit rate
- 7.6 Digital fluoro system in standard continuous fluoroscopic operating mode from single image display to serial exposures with varying frame rates .Please specify frame rate in continuous fluoroscopic operating mode and pulsed fluoroscopy mode .
- 7.7 Provision for translateral radiography

8. Control Console, Image Processing , Image display,Image storage system and Transmission

- 8.1 Latest image acquisition system
- 8.2 All system movements of table shall be controlled by the operator at the table in the examination room and also at the console.

- 8.3 The system should have fast and direct access to all series, single images, in both examination (Remote controlled and console room)
- 8.4 System should have angle/distance measurement, image labelling and patient positioning facilities.
- 8.5 System should have on line dosimeter on the console to display actual radiation dose
- 8.6 Fully loaded Digital Subtraction Angiography with all features.
- 8.7 Spatial resolution should be 3 lp/cm or more
- 8.8 Contrast should be high
- 8.9 Multiple image display of 16 images and 4 images.
- 8.10 Alphanumeric patient data input and Patient directory
- 8.11 Image processing functions: The system should have facility for edge enhancement, positive/negative image display, windowing, contrast/brightness, electronic shuttering, image/pixel shifting, vertical and horizontal image reversal, text input, roaming and zoom functions.
- 8.12 Image storage with last image hold
- 8.13 Storage of fluoroscopic images
- 8.14 Post acquisition image processing, viewing, reprocessing, hard copy documentation and onward transmission should be possible while doing fluoroscopy or radiography
- 8.15 Image stitching software
- 8.16 Footswitch for fluoroscopy and release should be available
- 8.17 Hard disk having capacity of at least 30,000 images in 1024 x 1024 matrix on the main system disk. or more including fluoro loop sequence .The systems should be capable of storage of images on compact discs/DVD .DICOM Software with fast speed DVD Combo (Reader and Writer separately).
- 8.18 The system should be DICOM 3.0 (or higher version) ready (like send, receive, print, record on CD/DVD, acknowledge etc.) for connectivity to any network, computer/PC etc. in DICOM format. A DICOM Print facility should be available to connect to a network Laser Printer
- 8.19 Vendor should connect this with existing other laser cameras already existing in the department
- 8.20 Easy integration and networking should be possible with any other existing/future networking including other modalities, HIS and RIS and PACS

9. Essential Accessories

- 9.1 Six light weight AERB approved lead aprons with steel stand, Six thyroid shields, three sets of paediatric and adult gonadal shields (All sizes both for male and female and ultralight weight and as per ICRP recommendation)
- 9.2 Voltage Stabilizer Servo Controlled 150 KVA
- 9.3 Lead Glass viewing window 100 cm x 150 cm .
- 9.4 Dry Chemistry, camera Multiport, multiple films (14"x17", 11"X 14" and 8"X 10")with resolution of 500 DPI or more, DICOM ready and online. At least three size film trays should be active. The vendor should connect this camera with other existing cameras in department of Radiodiagnosis. 500 films of size 14"x17" to be supplied with the camera.
- 9.5 Dual Head pressure injector with maximum pressure range of 300 psi having facility of injecting saline and contrast media with a variable flow rate along with set of 100 syringes (200 ml syringe) with tubings and additional 500 connecting tubings compatible with pressure injector. (to be supplied in 5 batches over a period of 2 years)
- 9.6 Hand grip
- 9.7 Foot step

- 9.8 Two sets of Patient fixing belts and compression device (for performing excretory Urography).
- 9.9 Intercom facility to communicate with patients (Cordless syetem)
- 9.10 Suitable UPS with 30 minutes of backup to be provided for digital section of machine and essential lighting.
- 9.11 Patient monitoring system: Multipara-meter monitor of reputed international make having service center in Delhi with facility of three lead ECG, SPO₂ monitor, NIBP, Defibrillator and Suction machine. Bothe adult and pediatric probes should be provided.
- 9.12 Film viewing panel with LED lamps of 4000 cd/m.sq for X Ray films – 4 in 1panel
of 17”x14” size each with varuiable intensity of illumination (Quantity No=2)
- 9.13 Fire extinguisher system to be connected to central system by vendor.
- 9.14 Necessary furniture like tables with each control , console ,workstation, and four chairs on wheels, two cupboards for storage of accessories examination stool, foot step, stand for protective aprons and gonad shields. etc.
- 9.15 Operating manuals

10 Warranty/After Sale Service

- 10.1 As per Tender terms & Conditions

11. Installation

Complete turn key project : Required civil, electrical and air conditioning, is to be borne by the firm. This work should be done in consultation with the Department of Radio-diagnosis and Head KCMCG, Karnal

12. SERVICE

Details of the service centers along with address and their telephone Nos. to be provided in the technical bid.

13. TURN KEY

The bidder to inspect the site. Turnkey work to be done as per site. Regular upkeep and maintenance of turnkey work will also be done by the successful bidder during the warranty and CMC period

- 14. All the information in the tender document must be supported by original product data sheets, without which the bid will not be considered. Photocopies of these documents or printouts of the email/web pages will not be accepted. The bidders to provide detailed compliance sheet and mark the serial number of items in product data sheet / brochure against each item.. All information asked must be provided under heading given above. Incomplete and haphazard information will not be accepted.

The equipment quoted should be latest (mention year of launch) and the main equipment of the principal manufacturer. At least two main components of the equipments like Generator, table and tube etc should be manufactured by quoting vendor themselves. The quoted model should find a place in the manufacturer’s website. The copy of the webpage showing the same

should be enclosed in the tender document. The bidder to mention its principal manufacturer's website address.

- 15. Approvals:** The bidder to provide AERB type approval, US FDA and European CE certificate of their quoted model. NOC will not be accepted. The successful bidder to provide AERB certificate of quoted model before the Tender opening of equipment. Registration of equipment with AERB and regular quality assurance test during the life time of equipment will be the responsibility of the vendor. Hospital will provide necessary documentary support. The bidder to provide any other certificate required to import the quoted model. ISO certification for service of medical devices to be submitted.

16. Upgrading requirement and Spares:

A free comprehensive software upgrade (compatible with the existing platform) during the period of warranty and CMC. Manufacturer/principal to give undertaking to provide spares for next 10 years of their quoted model.

The principal manufacturer to give undertaking that in case of failure of Indian supplier to provide services of their quoted model, the principal manufacturer will provide service/spares during the warranty period and at least for 5 years after the expiry of the warranty period

- 17. The company should visit the site for its preparation and installation of the equipment on turn key basis.*

- 18. On site application training for 6 Weeks and additionally if required by the end- user to be provided by the company to doctors and technical staff members.*

19. Instruction to the supplier

- The supplier must ensure the availability of expertise service and maintenance at New Delhi Uninterrupted availability of spare parts and repair of next ten years must be assured.
- The bidder should have at least one installation of same equipment or similar (Digital Radio Fluoro Machine) unit in India in a reputed Hospital preferably in a Government Hospital. Please submit the Satisfactory Performance Certificate from the users & Must be in the field for last 5 years from the date of tender opening

Item no. 12

CT SCAN – 64 Slice

The system should be latest state of the art, independent of at least 64 slices per rotation capable of integrating with any PACS/HIS system. The system should be **DICOM – enabled / ready** with true isotropic volume acquisition and sub millimeter resolution. The model quoted should be, AERB Type approved and US FDA and European CE certified. The essential requirements of the system are as follows:-

a) Gantry:

- Aperture: 70 cms or more
- FOV: 50 cms or more
- 3-D laser lights for positioning.

b) X-Ray Generator:

- High Frequency type.
- Power output: 70 kW or higher
- mA Range: 20-600 mA (With incremental steps of 10 mA)
- KV Range: 80-110 or more

c) X-Ray Tube:

- Tube Voltage: 80-110 kV or more
- Anode Heat Storage Capacity of at least 7.0 MHU or more direct cooling tube

d) Patient Table:

- Load carrying capacity at least of 180 Kg with positional accuracy of 1 mm or less
- Metal free scan-able range of 150 cm or more.
- Floating table top with foot pedal/hand control for positioning.

e) Spiral Acquisition:

- Scan Time should be 0.35 sec or less for full 360 degree rotation.
- Minimum slice thickness should be 0.625 mm or less.
- Pitch Factor (volume pitch): freely selectable in auto mode and also manually variable between 0.5 to 1.5 or more. Specify all possible pitch selections.
- Bolus Triggered or bolus chase spiral acquisition should be available.
- Real time x-ray dose reduction which combines both Z axis and angular tube current modulation to adjust the dose to the size and shape of individual.

f) Image Resolution:

1. High contrast resolution should be at least 15 lp/cm for axial and spiral scan at 0% MTF with full FOV.
2. Low contrast resolution – 5mm or less at 3.0 HU using 20 cm CATPHAN phantom on 10 mm slice thickness.

g) Data Acquisition System:

- Detector- Capable of acquiring 64 slices per 360 degree of rotation.
- Number of detectors to be mentioned as required with Z-axis coverage of 38 mm or more.
- Solid state or rare earth detectors of latest technology free from repeated calibration.

h) Image Reconstruction:

- High speed real time reconstruction with display matrix of 1024x1024 or more.
- Reconstructed slice thickness should be sub-millimeter to 10mm freely selectable.

i) Operator Console:

- High resolution medical grade LCD color monitors of 19" or more.
- Should perform Registration, scheduling, protocol selection, Volume rendering, volume measurements, Multi-planar Reconstruction, and standard evaluation application and all available post processing functions without the help of the satellite workstation.
- Raw Data storage with at least 500 GB Hard disc having image storing capacity of 5,00,000 or more in 512x512 format.
- Auto-voice capability with custom designed key board and mouse.
- Archiving options: CD-R, DVD, should be available. 5000 rewritable DVDs should be provided.

j) Workstation client server architecture)

1. It should be a high speed (minimum post-processing frame rate of 16 frames/sec) CPU with a speed of 3.0 GHz or better and with an independent Hard disc storage capacity of 512 GB or more, with 19 inches or more high resolution medical grade colour LCD monitors capable of simultaneously viewing and performing all post processing functions and filming independently without the help of main console.
2. Memory of the workstation should be independent of the console.
3. Two way data transfer between the operator console & the satellite workstation should be automatic and standard.
4. Post Processing Soft-wares : The two client Server in addition to Operating Main Console workstations hardware should be latest with 8GB RAM, Quadcore CPU 3Ghz, 2GB graphic card and 19 inches or more monitor. Both client workstation should perform all post processing functions and filming independently without the help of main console
 - (i) Perfusion CT for brain
 - (ii) CT Angio, VRT, MIP, MPR, 3-D Shaded Surface display, Image Fusion, Vessel segmentation, luminal view.
 - (iii) Virtual Endoscopy with facility for virtual dissection and computer aided detection of polyps.
 - (iv) Advanced cardiac package including Coronary Artery Imaging, Calcium Scoring, Myocardial Viability software, Cardiac functional analysis and advanced Vessel. Analysis including stenosis assessment. Facility for prospective and retrospective ECG gating, facility for automatic selection of rotation speed according to heart beat and step and shoot for low dose acquisition should be available.
 - (v) Automatic bone Removal facility.
 - (vi) Dental CT.
 - (vii) Lung nodule evaluation software. CAD for Lung nodule evaluation software should also be provided.
 - (viii) Liver segmentation display software in different colours, volumetry and virtual surgical plane identification.
5. Interactive & Automatic Cine display should be available.
6. Image Evaluation Tools:
 - (i) Parallel evaluation of multiple ROI in circle, irregular and Polygonal forms,
 - (ii) Statistical Evaluation for area/ volume, S.D, Mean/Max and Histograms.
 - (iii) Distance & angle measurement, freely selectable, positioning of co-ordinate system, grid and image annotation.
7. One similar independent post processing stations (workstations, total no.2) with all the software as in the main console should be available. . The necessary connectivity etc. for proper functioning should be provided by the vendor with the supply of stand alone server of atleast 10 tera byte storage capacity with expansion slot of additional tera bytes. All post processing facility and data archiving should be available independently at both the workstations. Requires two independent Workstation in addition to Main Operating Console

k) Patient communication system:

1. An integrated intercom and Automated Patient Instruction System (API) should be provided.
2. Two closed circuit TV for patient monitoring.

l) Dry Chemistry Laser Imager:

1. Resolution: 16 bits/ 500 dpi or more with minimum three ports.
2. Support Multiple Film Sizes: one of which must be 17||x14||.
3. DICOM 3.0 Compatible.

m) System Configuration Accessories, spares and consumables:

- Collapsible wheel chair with rubberized swivel wheels - 01 nos.
- Standard Patient positioning accessories and restraining devices - 02 sets.
- Gonadal shields – 5 Nos, Thyroid shields – 5 Nos and Lead goggles – 5 Nos.
- Lead Glass 100 cm x 150 cm of 2 mm Lead equivalence as per the requirement of the equipment, as per AERB guideline / recommendations.
- Online UPS of suitable rating should be supplied for the complete system including Gantry, computer system, with at least 30 minutes back up.
- Dual Head Pressure Injector with 5000 syringes of 200 ml.
- Software for Remote Diagnostics Service should be provided.
- System must be PACS, HIS/RIS interface ready without any new hardware or software.
- Centralized oxygen and suction facility (to be connected to the nearest port) in gantry and recovery room.
- A free comprehensive software upgrade guarantee for entire life of scanner must be provided.
- **Real time CT Fluoroscopy** with at least 6 to 8 frames per second with dedicated 15” color LCD monitor. Facility table side controls and foot switch for biopsy to be quoted separately.

NOTE:

Unless other mentioned elsewhere in the Technical Specifications, the bidder has to comply with the following:

1. The quoted Equipment should be **DICOM 3.0 (or higher version) enabled / ready** (like send, receive, print, record on CD/DVD, acknowledge etc.) for connectivity to any network, computer/PC etc. in DICOM format and capable of being interfaced with HIS/RIS/PACS.
2. The quoted Equipment should have AERB Type Approval of the Manufacturer for Radiological Equipments (AERB NOC will not be accepted). The Equipments should have European CE **and** US FDA certification. Manufacturing firm should be ISO approved. Vendors shall assist the Consignee in getting AERB Site Plan approval prior to installation, wherever applicable, wherever applicable.
3. The Bidders are advised to visit the Site to assess the site condition of Equipment placement and installation before quoting & obtain all necessary details as no representation shall be entertained on later date / after submission of quotation onwards.
4. The Bidder is required to carry out turnkey works in terms of Civil (including trenches, railing etc, if required), Mechanical (including HVAC, if required) & Electrical to meet the AERB requirements for satisfactory working of the equipment.
5. The company shall construct the protection chamber with 100 cm x 150 cm Lead Glass Window of 2mm thick lead equivalent for the Radiological Equipments, wherever applicable/needed.
6. Bidders must take into consideration in its bid costs to be incurred for any additional work viz. Civil Works, Electrical cabling of suitable ratings, Electrical points of suitable ratings, water connection, water drainage, plumbing & allied requirements for the equipment etc. required for successful installation, commissioning and running of the Equipment and the "All inclusive lump sum price" should include all such costs. The Firm is required to provide / quote for both breakup cost & Total Lump sum cost towards the Turnkey works.
7. The Department shall provide only three phase power supply along with Air-conditioning Ducting outlets with de-humidifying system at a suitable position in the concerned installation area. The rest of the work will be done by the firm on "**Turnkey Basis**" including rails for floor to ceiling column stand etc., if required etc. Earthing to be provided by the employer as per the requirement of the firm & this should be mentioned in the bid. Minimum necessary furniture and fire extinguisher system need to be part of Turnkey.
8. "Special Compliance Note" at the end of the Technical Specifications may please be read in continuation with the above into while quoting.

Item No. 13 Full Field Digital Mammography System

Technical Specifications of "Full field Digital Mammography System"

Brief summary of the equipment :

A state of the Art Mammography system upgradeable to Tomosynthesis (For which price to be quoted separately) for Mammography, Biopsies, needle localization etc to be quoted meeting the below mentioned specifications.

Please take note of the following points:

- A.** To quote for the complete system with Installation and commissioning requirements (Can visit our site to assess the available infrastructure before submission of your offer).
- B.** All specifications quoted should be supported by authentic data sheet.
- C.** In the Remarks column please give details about the equipment you have quoted against stated parameter.
- D.** Items which are third party supply have to be mentioned accordingly with Make, brand, model and specifications.
- E.** Installation base and user input regarding quality of image, features, ease of use and quality of service support will be taken into consideration during technical evaluation.

- F. All items as per the below mentioned specifications are to be quoted. Partial quotes/ Omissions will disqualify the bid.
- G. Demonstration of the equipment if required at our site or off site within a specified time intimated. Demonstration will be assessed by a set of criteria defined by the Technical committee.

Please quote all the models including the state of the art equipment which meets the basic minimum specifications.

Sr. No.	Description of Item	Compliance		Remarks
		Yes	No	
1	Model Name :			
2	Country of Manufacture:			
3	Model No. of the Equipment (If the equipment is a combination of more than one equipment then list down the model no. pertaining to the major components) :			
4	Year of Introduction Internationally			
5	Year of Introduction in India			
6	Description of function			
6.1	Digital Mamography System unit should be US FDA or CE approved			
7	Operational requirements			
7.1	Full field Digital Mammography System consisting of exposure stand with attached swivel system, separate console with radiation shield, automatic exposure control and mammography X-Ray Tube.			
7.2	An integrated full field - digital Flat Panel Detector .			
7.3	Acquisition Work Station (AWS): A separate workstation for image acquisition and patient demographic data is required.			
7.4	The workstation should be able to send, receive and print according to DICOM standards.			
7.5	The workstation should also be able to obtain DICOM modality, work list from connected information system and send information about performed procedure to the connected information system.			
7.6	Read and Write in CD/DVD for data Storage and review.			
	Technical Specification			
8	Mammography System			
8.1	The system should consist of a tube head and detector assembly that has isocentric rotation for every positioning.			
8.2	The isocentric movements should be motorized. The patient Compression device should have automatic multispeed variable compression system which senses the breast density and adjust the compression force.			
8.3	Specify the maximum compression force. Specify all standard compression paddles The patient table should have motorized grid movement.			

8.4	Magnification devices of ratio 1.5 or more should be offered.			
8.5	Digital display of compression force and compression thickness should be available.			
9	X-Ray Generator			
9.1	The X-ray generator should be high frequency with the following parameters:			
9.2	kW range: 5KW or more			
9.3	mAS range: please specify			
9.4	Exposure time: please specify			
9.5	Maximum mA: please specify			
9.6	Specify KV range			
10	X-Ray tube unit:			
10.1	Rotating anode tube with the following parameters:			
10.2	Focal spot size: please specify			
10.3	Anode heat storage: 150 KHU or more			
10.4	Tube heat Storage: please specify			
10.5	Anode material: please specify			
10.6	Please mention the filter material used in the tube			
11	Flat Panel Detector:			
11.1	Type of detector: Specify			
11.2	Detector size: 24cm x 29cm or more			
11.3	Pixel size : 100µ or less			
11.4	Image matrix in pixels and image size in MB: please specify			
12	Acquisition Workstation (AWS)			
12.1	3 Megapixel Grayscale Medical Grade LCD Display			
12.2	Workflow configurable per technologist			
12.3	X-ray generation and detector control functions integrated in a single operator console and controlled through the Graphical User Interface (GUI)			
12.4	Control device capable of tracking actual number of exposures by display of icon versions of acquired images			
12.5	Ability to add comments to an image			
12.6	Ability to edit views			
12.7	Special processing for implants			
12.8	Ability to perform repeat/reject analyses			
12.9	Local image storage capacity: minimum 9,000 mammography studies			
12.10	Lead barrier for console with built in lead glass window giving very good visibility. Specify dimension of the console and lead glass			
13	Reporting Workstation (RWS) company certified approved RWS			
13.1	The workstation should enable immediate image display for general survey for patient positioning. It should be able to store 8000 or more images.			

13.2	Standard hanging protocols			
13.3	Dedicated key pad for commonly used image display and functions.			
13.4	Display Monitor: High resolution dual, paired diagnostic medical grade 5/6 Megapixel LCD monitors with built in QA and QC program. Monitors should be approved for Mammography reporting. Where web QA is available; vendor to provide license for web QA.			
13.5	In case of failure of RWS Monitors, provision for swipe Monitors should be made by the vendor.			
	IMAGE PROCESSING			
14	Image display:			
14.1	Freely selectable screen layout			
14.2	- Windows settings (contrast and brightness setting)			
14.3	- Magnification, stepped and dynamic zoom Image inversion (black/white)			
15	Annotation:			
15.1	Left/right marking			
15.2	Text additions			
15.3	- Lines			
15.4	- Rectangles and circles			
16	Measurements:			
16.1	- Distance			
16.2	- Angle			
16.3	- Density			
17	Image evaluation:			
17.1	- Display of histogram			
17.2	- Length measurements			
17.3	- Before/ after comparison			
17.4	- Filter			
17.5	Compressed thickness and compression force			
17.6	Entrance skin dose and average glandular dose.			
18	2D CAD system (FDA / CE approved)			
18.1	If third party supply, provide details			
19	Volumetric Breast Density			
19.1	If third party supply, please give details			
20	Administration:			
20.1	- The demographic patient data should be retrieved directly from a HIS/RIS system.			
20.2	- Retrieval of images from CD, DVD or PACS			
20.3	- Capability to Print images on DICOM compatible printers			
20.4	The workstation should be fully DICOM compatible			

21	Biopsy:			
	Alpha numeric biopsy grid for wire localization			
22	Image transfer & Net working			
22.1	Net working should be on TCP/IP protocol. The system must be fully compatible with our existing centrlicity PACS and RIS.			
22.2	DICOM send/receive, query/retrieve, basic print, HIS/RIS work-list, storage, MPPS, storage commit should be available.			
22.3	Integration with our existing GE Centrlicity PACS system and Radiology Information System (HIS / RIS) <u>will be vendors responsibility</u>			
23	Chair cum couch trolley			
23.1	Height adjustable hydraulic chair which can be flattened to reclining & Trendlenberg position as and when required manually with sturdy lockable castors to move around.			
24	SYSTEM CONFIGURATION			
24.1	X-Ray tube Unit & tube 01			
24.2	Flat Panel Detector 01			
24.3	Image Acquisition Workstation (AWS) with Console & Lead glass 01			
24.4	Reporting Workstation (RWS) 01			
24.5	Height adjustable & Trendlenberg chair for patient 01			
24.6	Compatible UPS with batteries for the entire system 01			
25	ACCESSORIES			
25.1	Standard accessories: (Which comes along with the equipment, pricing of which is part of the equipment).			
25.2	Essential accessories: (Essential to carry out functions as per the basic specification stated above but comes at an extra cost. Prices to be quoted separately in the Financial bid)			
26	Environmental factors			
26.1	Ambient temperature and relative humidity - please specify			
26.2	Proper X-Ray shielding should be provided for the main equipment.			
26.3	Please submit space requirement and lay out plan for mammography suite including the reporting room.			
27	Power supply			
27.1	Suitable Power input to be 220-240VAC, 50Hz OR 440 V 3 PHASE, fitted with Indian plug			
27.2	Resettable overcurrent breaker shall be fitted for protection			
27.3	Spike protector of appropriate rating should be provided			
27.4	UPS/CVT of suitable rating conforming to IS-302 shall be supplied.			

28	Standards and safety			
28.1	Provide ACR phantom			
28.2	Vendor to get yearly AERB certification for the equipment			
28.3	Electrical safety conforms to standards for electrical safety IEC-60601 / IS-13450			
28.4	Safety aspects of Radiation dosage leakage should be spelt out			
28.5	Should comply with AERB Guidelines for radiation leakage			
28.6	The quoted Equipment should have AERB Type Approval of the Manufacturer for Radiological Equipments (AERB NOC will not be accepted). Vendors shall assist the Consignee in getting AERB Site Plan approval prior to installation, wherever applicable. QA Test to be performed by vendor on regular interval as per AERB norms during Warranty & CMC. Cost to be borne by the vendor.			
	CMC should cover the entire Digital Mammography system including tube, Detectors, work station, Accessories and peripherals like UPS etc.			
	CMC should cover all updates			
	Should also list out discount against non claim of major components each year and also list out such components for discount consideration			
	The bidder should have at least one installation of same equipment in India in a reputed Hospital preferably in a Government Hospital. Please submit the Satisfactory Performance Certificate from the users and must be in the field for last at least 5 years on the date of opening of tender.			

Item No. 14 MRI - 1.5 Tesla

Competitive bids are invited for installation of **1.5 Tesla MRI System** with state-of-the-art latest features commercially available at the time of supply **European CE and US FDA approved**). The system must be capable of integrating with any PACS/HIS system. The system should be **DICOM – enabled / ready** with true isotropic volume acquisition and sub millimeter resolution. The system should be cost effective, with user friendly platform, reliable and capable of providing excellent performance for clinical imaging and research. The detailed specification that follows shall be understood to be minimum requirement.

1. MAGNET

- a. Whole Body **1.5Tesla** Magnetic Resonance Imaging System optimized for higher performance in Whole Body and Vascular examinations with superconducting magnet, high performance gradients and digital Radio Frequency System.
- b. **1.5T** active shielded super conductive magnet should be short and non-claustrophobic.
- c. It should have at least 60 cm patient bore with flared opening.
- d. Magnet length should be less than 200cm.
- e. Homogeneity of magnet should be less than 3.5 ppm over 45cm DSV
- f. The magnet should be well ventilated and illuminated with built in 2 way intercom for communication with patient.
- g. It should have a built in cryo-cooler such that helium consumption does not exceed 0.03 lit/ hour.

2. SHIM SYSTEM

- a. High performance, highly stable shim system with global and localized automated shimming for high homogeneity magnetic field for imaging and spectroscopy.
- b. Auto shim should be available to shim the magnet with patient in position.

3. GRADIENT SYSTEM

- a. Actively shielded Gradient system
- b. The gradient should be actively shielded with each axis having independently a slew rate of 120 T/m/s or better and a peak amplitude of 33 mT/m.
- c. The system should have efficient and adequate Eddy current compensation
- d. Effective cooling system for gradient coil and power supply

4. RF SYSTEM

- a. A fully digital RF system capable of transmitting power of at least 15kw.
- b. It should also have at least 16 independent RF receiver channels with each having bandwidth of 1 MHz or more along with necessary hardware to support quadrature ICP array/Matrix coils. The highest receiver channels available with the vendor should be quoted.
- c. It should support Parallel acquisition techniques with a factor of up to 2 in 2D.
- d. Should allow remote selection of coils and / or coil elements.

5. PATIENT TABLE

- a. The table should be fully motorized, computer controlled table movements in vertical and horizontal directions. Dockable Patient trolley to be provided
- b. A CCTV system with colour LCD display to observe the patient should be provided: Moving table angiography should be possible.
- c. There should be a hand held alarm for patients

6. COMPUTER SYSTEM /IMAGE PROCESSOR/ OPERATOR CONSOLE

- a. The main Host computer should have a 19 inches or more high resolution LCD TFT color monitor with 1024 x 1024 matrix display
- b. The system should have image storage capacity of 100 GB for at least 2,00,000 images in 256x256 matrix.
- c. The reconstruction speed should be at least 1300 or more for full FOV 256 matrix.
- d. The main console should have facility for music system for patient in the magnet room. The system should have DVD / CD / flash drive archiving facility. Supply 5000 DVD along with the system. The system should be provided with auto DVD writer.
- e. Two way intercom system for patient communication.
- f. MRI System should be enabled and networked to RIS/HIS

7. MEASUREMENT SYSTEM

- a. Largest Field of View should be at least 45 cm in all three axis.
- b. The measurement matrix should be from 128x128 to 1024x1024.
- c. Minimum 2D slice thickness mm should be equal to or less than 0.5
- d. Minimum 3D slice thickness mm should be equal to or less than 0.1

8. COIL SYSTEM

- a. The main body coil integrated to the magnet must be Quadrature / CP. In addition to this following coils should be quoted (total **11** including body coil)
- b. Multichannel Head coils with at least 8 channel for high resolution brain imaging. (16 channel coil should be supplier whenever available to the vendor with no additional cost.)
- c. Neuro-vascular Coil with 16 or more channels or Head / Neck Coil combined, capable of high resolution neuro-vascular imaging
- d. Spine Array/Matrix Coils for thoracic and lumbar spine imaging.
- e. Body Array/Matrix coil with at least 45 cm z axis coverage for imaging of abdomen (so that it can cover the maximum part of abdomen), angiograms and heart. (The best available body coil with the vendor must be supplied)
- f. Dedicated / suitable Cardiac coil.
- g. Suitable coil for peripheral angiography application
- h. Bilateral Breast Coil with at least 7 channels. The best available coil with vendor should be supplied.
- i. Dedicated Shoulder Coil – 8 Channels.
- j. Dedicated Knee Coil – 8 Channels.

- k. General purpose flexible coils and circular coils
- l. Loop Flex Coil
- n. Coil Storage Cart
- o. The system should continuously monitor the RF coils used during scanning to detect failure modes. RF coils should not require either set up time or coil tuning; Multi coil connection for up to 2 or more coils for multaneous scanning without patient repositioning coil combination should be quoted as standard. Latest Integrated coil Technology to be quoted.

9. APPLICATION SEQUENCES

- a. The system should have basic sequences package with Spin Echo, Inversion Recovery, Turbo Spin Echo with high turbo factor of 256 or more, Gradient Echo with ETL of 255 or more, FLAIR.
- i. Single slice, multiple single slice, multiple slice, multiple stacks, radial stacks and 3D acquisitions for all applications.
- ii. Single and Multi shot EPI imaging techniques with ETL factor of 255 or more
- iii. Fat suppression for high quality images both STIR and SPIR.
- iv. The system should acquire motion artifact free images in T2 studies of brain in restless patients (Propeller, Multivane, Blade etc)
- v. Dynamic study for pre and post contrast scans and time intensity studies
- vi. MR angio Imaging: Should have 2D/3D TOF, 2D/3D PC, MTS and TONE, ceMRA, Facilities for Accelerated time resolved vascular imaging with applications like Treats/Tracks/Tricks sequences.
- vii. Fat and water excitation package. Diffusion Weighted Imaging, with at least b value of 5000 or more.
 - i. Bolus chasing with automatic and manual triggering from fluoro mode to 3D acquisition mode with moving table facility.
 - j. Non contrast enhanced peripheral angiography for arterial flow with Native/Trance/Inhance sequences
 - k. Whole body screening imaging studies for metastasis
 - l. High resolution Abdominal and Liver imaging in breathold and free breathing modes with respirator triggered volume acquisitions
 - m. The system should have basic and advanced MRCP packages including free breathing and 3D techniques.
 - n. The system should have facility for flow quantification of CSF, vessel flow and hepatobiliary system.
 - p. The system should have the Hydrogen, Single Voxel spectroscopy, Multivoxel, Multislice & Multiangle 2D, 3D Spectroscopy and Chemical shift imaging in 2D/3D. The complete processing/post-processing software including color metabolite maps should be available on main console. Complete prostate spectroscopy hardware and applications should be provided.
 - q. Advanced Cardiac Applications: VCG gating, Morphology/wall motion; Cine perfusion imaging; Myocardial viability imaging; Arrhythmia rejection techniques, Advanced Cardiac Ventricular Measurement Analysis; Cine Cardiac Tagging Techniques; Coronary artery techniques; real time interactive imaging, 2D/3D fast field echo/balanced/steady state techniques and evaluation package on workstation
 - r. Advanced Breast imaging Package.
 - s. Perfusion imaging of brain (including ASL)
 - t. Susceptibility weighted imaging (i.e.SWI)/ Venous BOLD imaging.
 - u. Multi Direction DWI and DTI with minimum of 32 directions (Complete package including quantification and tractography software). Prospective motion correction enabled software preferred.
 - v. High resolution imaging for inner ear

10. WORK STATION – 2 Nos.

- i. A workstation with preferably the same user interface as of main console is required with the availability of all necessary software including Client source based Architecture. Two Nos. Latest Client Server architecture based workstations to be provided
- ii. Basic post-processing software including MIP, MPR, surface reconstruction and volume rendering technique.
- iii. Advanced post-processing offered applications perfusion quantification, advanced diffusion and DTI, processing of 2D/3D CSI data, with color metabolite mapping, quantification of CSF flow data, vascular analysis package.
- iv. It should have at least 19 inch LCD TFT color monitor, with hard disk of at least 120 GB for at least 250,000 image storage in 256 matrix, and 4 GB RAM capacity or more, with self-playing OVO/CO archiving facility.
- v. The workstation should display cardiac cine images in movie mode with rapid avi creation.
- vi. The workstation should enable printing in laser film camera and color printers

11. SAFETY FEATURES

The System should have following safety features:

- a. The magnet system should include an Emergency Ramp Down unit (ERDU) for fast reduction of the magnetic field with Ramp Down time below 3 minutes
- b. The magnet should have .quench bands that contain the fringe fields to a specified value in the event of a magnet quench
- c. Real time SAR calculation should be performed by software to ensure that RF power levels comply with regulatory guidelines and are displayed on each image
- d. The system shall have manual override of the motor drive for quick removal of the patients from the magnet bore
- e. Temperature sensor (built in) for magnet refrigeration efficiency must be provided.

12. DOCUMENTATION

- a. DICOM compatible Dry Chemistry laser camera with integrated processor for filming from main console & workstation.
- b. Printing on films of 14" x 17", 11" x 14" and 10" x 8" sizes in a resolution of 500 or more dpi. It should be possible to connect other imaging modalities to the printer. 5000 compatible films to be provided.

13. UPS

The system should be provided with UPS system for the complete system with at least 30 minute back up.

14. SUITABLE RF ENCLOSURE

- a. RF Cabin: The system should be supplied with the imported RF cabin with RF room shielding, RF Door screen, and interiors for the same should be carried out suitably.

15. ACCESSORIES

- i. Dual Head MRI Compatible Pressure Injector of International make with 100 sets of syringes.
- ii. Water Chiller for Cold Head I Gradients.
- iii. One Non-ferromagnetic patient transfer trolley of international make should be provided.
- iv. Fire Fighting System, Detectors and 6 Fire Extinguishers.
- v. Hand held metal detectors and Stand alone Metal Detector to be installed at the entrance point.
- vi. Closed circuit CCD camera.
- vii. Phantoms for image quality audits.
- viii. MRI compatible Anaesthesia machine – detailed specification given below, **to be quoted as optional Item.**
- ix. Suction and O₂ pipeline and manifold to be provided inside the RF enclosure.

16. GUARANTEE

- a. The vendor should guarantee the service and spare support for 10 Years of the system including Helium and cold head and all accessories after warranty.
- b. Application training to be provided onsite for total of FOUR weeks.
- c. Two Radiologists to be provided training at premier govt. teaching institute within country for two weeks.

17. Warranty and CMC:

All tender responses should include the following without which the tender will be considered invalid

- The system should have warranty for two years including helium refill, all accessories and turnkey work. Helium Refill shall be the responsibility of the Bidder throughout the Warrantee Period & also during the CMC tenure.
- Comprehensive Maintenance Contract (CMC) for the whole equipment including helium refill and all accessories including turnkey for Eight years should be quoted after warranty.
- **The Warrantee & CMC shall be for all items for which the order shall be placed including Third Party Items. Repair Maintenance shall be executed through the Main Vendor / Bidder.**
- The model with 'the best and latest technical features available with the vendor should be quoted in tender response with original printed vendor data sheets.
- All product catalogues including Detailed Technical Data Sheet in original must be provided.
- A soft copy in word format in addition to a hard copy to be provided in a CD.
- When the vendor data sheet disagrees with the bid response, clarification should accompany in the form of letter/certificates from the principals in original.

- The System should be DICOM – 3MPPS enabled & should be ready to integrate with any existing PACS/HIS System.
- List of all installations of the system in the country.
- The bidder must provide Compliance Statement indicating all Tendered Specifications & must corroborated in the compliance statement the page number where it is listed in the original technical data sheet along with soft copy of the same.
- Turnkey work detail & other details are provided separately.

Technical Specifications for MRI Compatible Various Machines

(TO BE QUOTED AS OPTIONAL ITEM FOR I & II BELOW)

I. Specifications for Anesthesia Machine:

1. All the components of anesthesia machine including anesthesia ventilator, anesthesia monitor and accessories should be MRI compatible
2. The Machine should have separate indexed (pin index/ DISS/NIST) provision for connecting central pipeline gas supply of oxygen, air and nitrous oxide. It should have mounting capability of two oxygen and two nitrous oxide pin-indexed gas cylinders.
3. High pressure tubing for Oxygen, air and Nitrous Oxide for central supply connection with pipeline connectors should be supplied with machine.
4. There should be pressure indicating gauges for each gas for both cylinder as well as pipeline supply in accordance to ISO requirements.
5. **Gas Flow Management:**
 - a. Mechanical colour and touch coded flow meters: precisely calibrated cascaded tube flow meters for oxygen down the stream.
 - b. Mechanical hypoxic guard to ensure minimum concentration of 25% oxygen, across all oxygen nitrous oxide mixtures and oxygen failure alarm along with nitrous oxide cut off conforming to ISO requirements.
 - c. Machine should be able to deliver maximal flows for oxygen and nitrous oxide at least up to 8 liters per minute through flow meters.
 - d. Emergency oxygen flush that can deliver flows between 35 to 50 liters per minute. It should be protected from accidental activation as per ISO requirements.
6. **Vaporisers:**
 - a. Vaporiser shall mount to a selectate manifold of at least two vaporizers, which allows easy exchange between agents.
 - b. Vaporizer must be isolated from the gas flow in the off position and prevent the simultaneous activation of more than one vaporizer.
 - c. With each working station temperature, pressure and flow compensated anaesthetic agent specific vaporizers for Isoflurane and sevoflurane should be provided. Vaporizers should be quick loading / unloading type.
7. **Breathing system:**
 - a. Closed circle system with carbon dioxide absorbent canisters should be part of machine. There should be common gas outlet for using other type of breathing system with this machine. Breathing system shall be fully autoclavable to 134°C and natural latex free. Long coaxial breathing system tubings to meet the requirement of MRI suit.
 - b. Facility of connecting to scavenging system.
8. Anesthesia machine should be mounted on four large antistatic castor wheels with foot brake/ locking facility for at least front two wheels.
9. There should be work surface and drawers with at least one drawer with locking facility.

II. Specifications for Anesthesia Ventilator:

1. The anesthesia machine should have integrated Anesthesia Ventilator system that should have at least CMV or A/CMV mode with adjustable breath rate, tidal volume and I:E ratio.

2. Ventilator bellows should be integrally mounted to the breathing system and ascending type. Bellow assembly should be autoclavable.
3. Anesthesia ventilator should have following adjustable parameters: (The range mentioned below in adjustable parameters is minimal desirable and wider range than this will be preferred)
 - i. Tidal volume range 50ml to 1200ml
 - ii. Respiratory rate range 4 to 30 breath per minute
 - iii. I:E ratio range 1:1 to 1:3
 - iv. Inspired airway pressure range 15 to 60cm of water.
4. Anesthesia ventilator should have audiovisual alarms with temporary muting facility for power failure, breathing system disconnection, high inspiratory airway pressure

(TO BE QUOTED AS ESSENTIAL ITEMS ALONG WITH THE SYSTEM FOR III, IV & V BELOW)

III. Specifications for MRI Compatible Multi Parameter Monitor:

1. The anesthesia machine should have integrated / mounted monitoring system with memory to monitor patient parameters:
2. Five lead ECG with arrhythmia detection facility.
3. Respiratory rate measurement by impedance method.
4. SPO2 measurement with plethysmograph and saturation dependent audio tone.
5. NIBP measurement.
6. Temperature measurement.
7. It should have provision for automatic identification and measurement of anesthetic agents (Sevoflurane, isoflurane) and EtCO2

IV. Essential Accessories

Each anesthesia machine should be supplied with complete MRI compatible accessories and spares to make its all functions operational.

1. Long coaxial circle system tubings 1 set to suit MRI suit, 2L reservoir bag 1, brains breathing system
2. At least three ECG cables with MRI compatible body electrodes
3. SPO2 cable and sensor adult 1 paediatric 1
4. Temperature probe nasopharyngeal 1, skin 1
5. EtCO2 and anesthesia gas sampling lines 2
6. NIBP tubing and cuff adult range 1, medium 1, paediatric 1

V. Others

1. The Monitor should have at least 30 min battery backup.
2. Laryngoscope – adult and pediatric compatible with MRI 1.5 T (2Nos.).

NOTE:

Unless other mentioned elsewhere in the Technical Specifications, the bidder has to comply with the following:

1. The quoted Equipment should be **DICOM 3.0 (or higher version) enabled / ready** (like send, receive, print, record on CD/DVD, acknowledge etc.) for connectivity to any network, computer/PC etc. in DICOM format and capable of being interfaced with HIS/RIS/PACS.
2. The quoted Equipment should have AERB Type Approval of the Manufacturer for Radiological Equipments (AERB NOC will not be accepted). The Equipments should have European CE **and** US FDA certification. Manufacturing firm should be ISO approved. Vendors shall assist the Consignee in getting AERB Site Plan approval prior to installation, wherever applicable, wherever applicable.

3. The Bidders are advised to visit the Site to assess the site condition of Equipment placement and installation before quoting & obtain all necessary details as no representation shall be entertained on later date / after submission of quotation onwards.
4. The Bidder is required to carry out turnkey works in terms of Civil (including trenches, railing etc, if required), Mechanical (including HVAC, if required) & Electrical to meet the AERB requirements for satisfactory working of the equipment.
5. The company shall construct the protection chamber with 100 cm x 120 cm Lead Glass Window of 2mm thick lead equivalent for the Radiological Equipments, wherever applicable/needed.
6. Bidders must take into consideration in its bid costs to be incurred for any additional work viz. Civil Works, Electrical cabling of suitable ratings, Electrical points of suitable ratings, water connection, water drainage, plumbing & allied requirements for the equipment etc. required for successful installation, commissioning and running of the Equipment and the "All inclusive lump sum price" should include all such costs. The Firm is required to provide / quote for both breakup cost & Total Lump sum cost towards the Turnkey works.
7. The Department shall provide only three phase power supply along with Air-conditioning Ducting outlets with de-humidifying system at a suitable position in the concerned installation area. The rest of the work will be done by the firm on "Turnkey Basis" including rails for floor to ceiling column stand etc., if required etc. Earthing to be provided by the employer as per the requirement of the firm & this should be mentioned in the bid. Minimum necessary furniture and fire extinguisher system need to be part of Turnkey.
8. "Special Compliance Note" at the end of the Technical Specifications may please be read in continuation with the above into while quoting.

SPECIAL COMPLIANCE NOTE (For Radiology Equipments):

Unless other mentioned elsewhere in the Technical Specifications, Tender Document, Notes (mentioned against each Equipment), the bidder has to comply with the following, however, it is the responsibility of the bidders to visit the consignee site for assessing site requirements and its readiness:

A. DICOM enabled:

All Digital Imaging Equipments (1000 mA X-Ray, Ultrasound, CT Scan, MRI, C-Arm with IITV, Mammography etc) should be **DICOM enabled / ready** and capable of being interfaced with HIS/RIS/PACS.

B. Essential Accessories:

Unless otherwise mentioned, the following essential accessories to be provided with the units:

- i. Servo Voltage stabilizer of suitable Capacity with spike suppressor. The make & rating of the voltage stabilizer should be specified.
- ii. Lateral cassette holder, wherever applicable – One.
- iii. Five Nos. AERB approved Light Weight Lead-free Aprons with each Radiological Equipments to be quoted & provided.
- iv. Two nos Slim LED based Film View Box of four panel, for viewing 14" x 17" Films, to be quoted with each machine.

C. Warrantee:

- i. Warranty of 24 months from the date of Installation, of the equipments including all parts for which the order has been placed as well as accessories and auxiliary units supplied with the main equipment including x – ray tube & other accessories.
- ii. 95% uptime guarantee should be given. In case down time exceeds 5%, penalty in the form of extended warrantee, double the number of days for which the equipment goes out of service, will be applied.

- iii. The vendor must maintain a Logbook & needs to be countersigned by HOD/Authorized Departmental Person while attending the Equipments.

D. C. M. C.:

C.M.C. for 5 years (8 years in case of CT Scan & MRI) for whole equipment including labour cost, spare cost, accessories supplied with the unit like A.C. etc. and x-ray tube.

E. Third Party Inspection:

The firm should get the **third party inspection** done before dispatch of the equipment at its own cost, certifying that the equipment is brand new and as per NIT/specifications

F. QA Test Report:

- i. The company should provide lay out plan and QA Test Report for Registration in AERB, as per Law of the Land.
- ii. Vendor must perform QA Tests, every quarter of the year, on the Equipments during Warrantee & CMC Periods & quote accordingly. They must keep/maintain record for the same.

G. Turnkey Work:

Bidders are requested to visit the Site to assess the site condition of Equipment placement and installation before quoting & obtain all necessary details as no representation shall be entertained on later date / after submission of quotation onwards. Bidders must take into consideration in its bid costs to be incurred for any additional work viz. Electrical cabling of suitable ratings, Electrical points of suitable ratings, water connection, water drainage, plumbing & allied requirements for the equipment etc. required for successful installation, commissioning and running of the Equipment and the "All inclusive lump sum price" should include all such costs. The Firm is required to provide / quote for both breakup cost & Total Lump sum cost towards the Turnkey works.

The company shall construct the protection chamber with 100 cm x 150 cm Lead Glass Window of 2mm thick lead equivalent, wherever applicable.

The Department shall provide only three phase power supply along with Air-conditioning Ducting outlets with de-humidifying system at a suitable position in the concerned installation area. The rest of the work will be done by the firm on "**Turnkey Basis**" including rails for floor to ceiling column stand etc., if required etc. Earthing to be provided by the employer as per the requirement of the firm & this should be mentioned in the bid. Minimum necessary furniture and fire extinguisher system need to be part of Turnkey.

H. Instructions to the vendors/suppliers:

All companies must give product data sheets confirming the specifications along with the tender. *The compliance statement must be filled strictly in a tabulated and point wise manner clearly mentioning the page / paragraph number of original catalogue / datasheet any point.* Each specification corroborated in the compliance statement must give the page number where it is listed in the product data sheet. Incompletely filled information will not be considered.

I. Standards, safety and training:

1. The unit shall be capable of being stored continuously in ambient temperature of 0 -50 deg. C and relative humidity of 15-90%.
2. The unit shall be capable of operating in ambient temperature of 20-30 deg C and relative humidity of less than 70%.
3. Comprehensive training for lab staff and support services till familiarity with the system.
4. User/Technical/Maintenance manuals to be supplied in English.
5. Certificate of calibration and inspection.

6. List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.
7. List of important spare parts and accessories with their part number and costing.
8. Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist.
9. The job description of the hospital technician and company service engineer should be clearly spelt out.

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. Bidders should have in the past 5 years from the date of Tender Opening, satisfactorily executed for the Item offered, at least one single order of like nature of item and **quantity not less than 25% or two orders of 12.50%** of quantity of the equipment as tendered against each items subject to a minimum of one quantity. The Bidders shall furnish End User Certificate/ **Installation report** indicating end users contact details i.e. name of hospital, doctor, phone/ fax/ mobile nos. etc.

For Item No.2 tender No.HSCC/KCGMC/Medical Equipment/2015-06/01 dt 22.02.16 (General set for the main OT) Only : Two single order of like nature of item supplied in last five years should be submitted

Note

3. The tenderer shall give an affidavit as per Section-XIX of the TE document.
4. In support of 2, 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.

5. 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.
6. Tenderer shall submit audited balance sheets for the last three years. Annual Turnover statements should be certified by chartered accountant bearing their membership No. The firm should have accumulated profit in last audited financial accounts ending 31st March 2015.
7. 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, HSCC I Ltd.
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 ___ **(NOT TO MENTION ANY PRICE DURING SUBMISSION IN TECHNICAL OFFER)** _____ (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 B) PRICE SCHEDULE
PRICE SCHEDULE FOR GOODS TO BE IMPORTED FROM ABROAD**

1	2	3	4	5					6	
Schedule	Brief Description of Goods	Country of Origin	Quantity (Nos.)	Price per unit (Currency)					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)= (a) +(b)	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)		Unit Price on CIP Port of destination + Extended Insurance+ local transportation and storage at consignee site) (f) = c+d+e

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

In case Full Custom duty amount not mentioned in the above format by the tenders, it will presumed that the same is inclusive in total price and nothing will be paid extra to the supplier on this account. The custom duty will reimbursed only as per SCC clause no. 1

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 including custom clearance , payment to custom duty to custom department , insurance etc.*

Indian Agency Commission - __% of FOB/FCA

Place: _____

Date: _____

Signature of Tenderer _____

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 st	2 nd	3 rd	4 th	5 th	
			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 (**8 Years in case of CT Scan & MRI**) 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: _____

Name _____
 Business Address _____
 Signature of Tenderer _____

Date: _____

Seal of the Tenderer _____

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

Schedule No.	BRIEF TURNKEY DESCRIPTION OF GOODS	CONSIGNEE	Turnkey price

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 XI - Price Schedule for Items mentioned as – Optional or To be Quoted Separately

Sr no.	Name of Part	Part No.	Qty	Unit price inclusive of all taxes, duties, transportation, incidental cost etc. up to Consignee Site (Any currency)	Total price inclusive of all taxes, duties, transportation, incidental cost etc. up to Consignee Site (Any currency)
	S. No. & Name of Equipment –				
1					
2					
3					
4					
5					
	Total				

Total Price (In words):

Name of Tenderer _____
 Business Address _____

Place: _____
Date: _____

Signature of tenderer _____
 Seal of the tenderer _____

**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

To
HSCC I Ltd.
E-6A, Sector-1, Noida -201301

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

Chief General Manager, HSCC I Ltd.
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, HSCC I Ltd.
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 st	2 ⁿ _d	3 ^r _d	4 th	5 th	
			a	b	c	d	e	

Would be for 8 years in case of CT and MRI

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 that the 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:

SI No.	Activity	Yes/ No/ NA	Page No. in the TE document	Remarks
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?			

SI 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?			

SI 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.

(Signature with date)

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

For and on behalf of

(Name, address and stamp of the tendering firm)

Section – XXI Consignee List

Consignee	Medical Institutions	Contact Address.
	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.

END OF THIS DOCUMENT