NATIONAL TENDER ENQUIRY DOCUMENT

FOR PURCHASE OF MEDICAL EQUIPMENT

FOR & ON BEHALF OF

Safderjung Hospital, New Delhi

On E-Tender Basis

HSCC/SJH/Medical Equipment/2015/3 Dated 15/05/2015

BY

HSCC (INDIA) LTD

(A GOVERNMENT OF INDIA ENTERPRISE)
Plot No. 6-A, Block-E, Sector-1, NOIDA (U.P.) – 201 301
PHONE: 0120-2540153
FAX: 0120-2542447
URL: www.hsccltd.com

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SECTION- I

NOTICE INVITING TENDERS (NIT)

For NATIONAL TENDER ENQUIRY DOCUMENT

HSCC (INDIA) LTD

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

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SAFDERJUNG HOSPITAL & VMMC, NEW DELHI

GOVT OF INDIA
MINISTRY OF HEALTH & FAMILY WELFARE

Tender Enquiry No.: HSCC/SJH/Medical Equipment/2015/3 **Dated 15.05.2015**

NOTICE INVITING TENDERS (NIT) - <u>On E-TENDER BASIS</u>

Medical Superintendent, Safdarjung Hospital & VMMC, New Delhi under Ministry of Health & Family Welfare, Govt. of India through their Consultants HSCC (India) Ltd. invites **On-line bids** from eligible bidders, in single stage two bid system for supply, installation, testing, commissioning & handing-over of various **Medical Equipment for New Emergency Block & Super-Specialty Block at Safderjung Hospital & VMMC, New Delhi**:

S. No.	Equipment Details	Qty./ Requirements	EMD (Rs.)
	For Neurology		
1	Digital EEG System 64-Channels with Simulator with Central Reading Station	For Super-Specialty Block = 1 no.	20,000.00
2	Portable EEG System	For Super-Specialty Block = 1 no.	6,000.00
3	EMG/NCV/EP System	For Super-Specialty Block = 2 no.	40,000.00
4	Polysomnography Equipment	For Super-Specialty Block = 1 no.	40,000.00
	For Nephrology		
5	Hemodialysis Machine with SLED	For Super-Specialty Block = 2 no.	52,000.00
6	Hemodialysis Machine (Regular)	For Super-Specialty Block = 8 no.	1,60,000.00
7	RO Plant for Hemodialysis Machine	For Super-Specialty Block = 1no.	60,000.00

	For Nuclear Medicine		
8	Positron Emission Tomography/Computed Tomography (PET/CT)	For Super-Specialty Block = 1no.	21,00,000.00
	For Biochemistry Lab.		
9	Fully Automated Clinical Chemistry Analyzer	1 no. for Biochemistry Lab. of Emergency Block	4,000.00
10	Bio-chemistry Auto Analyzer 16 Channels	1 no. for Biochemistry Lab. of Emergency Block	32,000.00
11	ABG & Electrolyte Analyzer	1 no. for Biochemistry Lab. of Emergency Block + 1 No. for Cardiology + 3 no. for CTVS + 2 no. for Pulmonary Medicine & Sleep Lab.= 7nos.	96,000.00
12	Automated Urine Analyzer	1 no. for Biochemistry Lab. of Emergency Block	6000.00
13	Fully Automated Chemiluminescence Immunoassay Analyzer	1 no. for Biochemistry Lab. of Emergency Block	50,000.00

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. For submission of the bids, the bidders are required to have Digital Signature Certificate (DSC) from the authorized Certifying Authorities.

Complete set of Bid Documents has been made available at E-Tender portal www.tenderwizard.com/HSCC, www.hsccltd.com for downloading from **16.05.2015 to 05.06.2015**. Prospective bidders are advised to regularly scan through HSCC E-tender portal www.tenderwizard.com/HSCC, as corrigendum/modification/amendments, if any, will be notified on this portal only and no separate advertisement will be made for this.

(2) **Tender No.: HSCC/SJH/Medical Equipment/2015/3** **Dated 15.05.2015**

Sl. No.	Description	Schedule
i.	Dates of sale of tender enquiry documents	**16.05.2015 to 05.06.2015, 10.00 hrs to 1400 hrs IST**
ii.	Place of sale of Tender Enquiry Documents	HSCC (India) Ltd, Plot No. 6-A, Block-E, Sector-1, Noida (U.P)-201301
iii.	Cost of the Tender Enquiry Document	INR 3, 000/-
iv.	Pre Tender Meeting Date & Time	**25.05.2015, 14.30 hrs. IST**

Sl. No.	Description	Schedule
v.	Pre Tender Meeting Venue	Medical Superintendent Office, Conference Room, Safdarjung Hospital, New Delhi
vi.	Closing date & time for receipt of Tender	**05.06.2015**, **1430 hrs IST**
vii.	Time and date of opening of Techno – Commercial tenders	**05.06.2015**, **1500 hrs IST**
viii.	Venue of Opening of Techno Commercial Tender	Same as 2 (ii)

2. Interested tenderers may obtain further information about this requirement from this office inviting the tenders.

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

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

<u>In Original Offline & Copy Online (In separate Envelope : Part-I)</u>

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

<u>Online (Part-II)</u>

(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.
(vi) 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.
(vii) 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.
(viii) Quality Control Requirements as per Section VIII

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

(iv) Price Bid (Only online).

- Price Schedule
- CMC Price Schedule
- 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 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 for downloading. The cost the Tender Enquiry Document is **INR 3000/ 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. 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.

8. 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.hsccltd.com for corrigendum/amendments etc., if any, as these there no separate advertisement for them.

Medical Superintendent
Safderjung Hospital,
New Delhi.

SECTION - II

GENERAL INSTRUCTIONS TO TENDERERS (GIT)
CONTENTS

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. Medical Superintendent, Safderjung Hospital & VMMC, New Delhi.
(ii) "Tender" means Bids / Quotation / Tender received from a Firm / Tenderer / Bidder.
(iii) "Tenderer" means Bidder/ the Individual or Firm submitting Bids / Quotation / Tender
(iii) "Supplier" means the individual or the firm 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 Safderjung Hospital, New Delhi/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" 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.
(xii) "Day" means calendar day.

1.3 Abbreviations:

(i) "TE Document" means Tender Enquiry Document
(ii) "NIT" means Notice Inviting Tenders.
(iii) "GIT" means General Instructions to Tenderers
(iv) "SIT" means Special Instructions to Tenderers

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

2. Introduction

2.1 The Purchaser has issued these TE documents for purchase of goods and related services as mentioned in Section – VI – "List of Requirements", which also indicates, *interalia,* the required delivery schedule, terms and place of delivery.

2.2 This section (Section II - "General Instruction Tenderers") provides the relevant information as well as instructions to assist the prospective tenderers in preparation and submission of tenders. It also includes the mode and procedure to be adopted by the purchaser for receipt and opening as well as scrutiny and evaluation of tenders and subsequent placement of contract.

2.3 The tenderers shall also read the Special Instructions to Tenderers (SIT) related to this purchase, as contained in Section III of these documents and follow the same accordingly. Whenever there is a conflict between the GIT and the SIT, the provisions contained in the SIT shall prevail over those in the GIT.

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

instructions etc. incorporated in these TE documents may result in rejection of its tender.

3. Availability of Funds

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

4. Language of Tender

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

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

5. Eligible Tenderers

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

6. Eligible Goods and Services

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

7. Tendering Expense

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

B. TENDER ENQUIRY DOCUMENTS

8. Content of Tender Enquiry Documents

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

- 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 XIX 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 directionson 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 behalfof another shall be deemed to warrantee that he has authority to bind such other personsand if, on enquiry, it appears that the persons so signing had no authority to do so, thepurchaser may, without prejudice to other civil and criminal remedies, cancel the contractand 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 misguiding data, statement(s) etc. about technical acceptability of the goods and services offered by it, its tender will be liable to be ignored and rejected in addition to other remedies available to the purchaser in this regard.

19. Earnest Money Deposit (EMD)

19.1 Pursuant to GIT clauses 8.1 and 11.1 the tenderer shall furnish along with its tender, earnest money for amount as shown in the List of Requirements. The earnest money is required to protect the purchaser against the risk of the tenderer's unwarranted conduct as amplified under sub-clause 19.7 below.

19.2 The tenderers who are currently registered and, also, will continue to remain registered during the tender validity period with Directorate General of Supplies & Disposals or with National Small Industries Corporation, New Delhi for the specific goods as per tender enquiry specification shall be eligible for exemption from EMD. Vague stipulations in the Registration Certificate such as "to customers' specification" etc. will not be acceptable for exemption from furnishing of earnest money. In case the tenderer

falls in these categories, it should furnish copy of its valid registration details (with DGS&D or NSIC, as the case may be)

19.3 The earnest money shall be denominated in Indian Rupees as per GIT clause 12.2. The earnest money shall be furnished in one of the following forms:

i) Account Payee Demand Draft
ii) Banker's cheque and
iii) Bank Guarantee

19.4 The demand draft or banker's cheque shall be drawn on any commercial bank in India or country of the tenderer, in favour of the **"HSCC (India) Ltd"** payable at New Delhi/Noida. In case of bank guarantee, the same is to be provided from any commercial bank in India or country of the tenderer as per the format specified under Section XIII in these documents.

19.5 The earnest money shall be valid for a period of forty-five (45) days beyond the validity period of the tender. As validity period of Tender as per Clause 20 of GIT is 120 days, the EMD shall be valid for 165 days from Techno – Commercial Tender opening date.

19.6 Unsuccessful tenderers' earnest money will be returned to them without any interest, after expiry of the tender validity period, but not later than thirty days after conclusion of the resultant contract. Successful tenderer's earnest money will be returned without any interest, after receipt of performance security from that tenderer.

19.7 Earnest Money is required to protect the purchaser against the risk of the Tenderer's conduct, which would warrant the forfeiture of the EMD. Earnest money of a tenderer will be forfeited, if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender or if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged without prejudice to other rights of the purchaser. The successful tenderer's earnest money will be forfeited without prejudice to other rights of Purchaser if it fails to furnish the required performance security within the specified period.

19.8 In the case of Bank Guarantee furnished from banks outside India (i.e. foreign Banks), it should be authenticated and countersigned by any nationalised bank in India by way of back-to-back counter guarantee.

20. Tender Validity

20.1 If not mentioned otherwise in the SIT, the tenders shall remain valid for acceptance for a period of 120 days (One hundred and twenty days) after the date of tender opening prescribed in the TE document. Any tender valid for a shorter period shall be treated as unresponsive and rejected.

20.2 In exceptional cases, the tenderers may be requested by the purchaser to extend the validity of their tenders up to a specified period. Such request(s) and responses thereto shall be conveyed by surface mail or by fax/ telex/cable followed by surface mail. The tenderers, who agree to extend the tender validity, are to extend the same without any change or modification of their original tender and they are also to extend the validity period of the EMD accordingly. A tenderer, however, may not agree to extend its tender validity without forfeiting its EMD.

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

21. Signing and Sealing of Tender

21.1 The tenderers shall submit their tenders as per the instructions contained in GIT Clause 11.

21.2 The original and other copies of the tender shall either be typed or written in indelible ink and the same shall be signed by the tenderer or by a person(s) who has been duly authorized to bind the tenderer to the contract. The letter of authorization shall be by a written power of attorney, which shall also be furnished along with the tender.

21.3 The tender shall be duly signed at the appropriate places as indicated in the TE documents and all other pages of the tender including printed literature, if any shall be initialled by the same person(s) signing the tender. The tender shall not contain any erasure or overwriting, except as necessary to correct any error made by the tenderer and, if there is any such correction; the same shall be initialled by the person(s) signing the tender.

D. SUBMISSION OF TENDERS

22. Submission of Tenders

22.1 The tender shall be submitted online and in physical form (except price bid) in three parts/covers as mentioned below:

(i) Tender Fee and EMD (Both online and physical)

(ii) Pre-qualification and Technical compliance as per following documents (Online submissions for all the documents and physical submission only for affidavit as per point i) below and original Technical brochures/catalogues against point j):

a) Manufacturer"s authorization in case bid is submitted by an Indian agent (A declaration must be attached here in case directly quoted by a manufacturer or a document establishing the relation of the Indian office with the manufacturer in case quoted by Indian office of the manufacturer).
b) b) Tender Form as per section X.
c) c) Copy of PAN.
d) Certificate of Incorporation/Declaration being a proprietary firm.
e) Annual report of last 3 years (Balance sheet and Profit & Loss Account)
f) Name, address and details of account with respect to bidder and/or beneficiary of L/C.
g) Quality Control Requirements as per Section VIII
h) Performance statement along with required PO copies and its corresponding end user"s satisfactory performance certificate as per section IX.
i) Affidavit as per Section XIX
j) Technical Bid along with clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications in the tender enquiry (Both online and physical)

(iii) Price Bid (Only online).

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

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

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

23. Late Tender

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

24. Alteration and Withdrawal of Tender

24.1 The tenderer, after submitting its tender, is permitted to alter / modify its tender so long as such alterations / modifications are received duly signed, sealed and marked like the original tender, within the deadline for submission of tenders. Alterations / modifications to tenders received after the prescribed deadline will not be considered.

24.2 No tender should be withdrawn after the deadline for submission of tender and before expiry of the tender validity period. If a tenderer withdraws the tender during this period, it will result in forfeiture of the earnest money furnished by the tenderer in its tender.

E. TENDER OPENING

25. Opening of Tenders

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

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

25.2 Authorized representatives of the tenderers, who have submitted tenders on time may attend the tender opening provided they bring with them letters of authority from the corresponding tenderers.
The tender opening official(s) will prepare a list of the representatives attending the tender opening. The list will contain the representatives' names & signatures and corresponding tenderers' names and addresses.

25.3 The **Techno - Commercial Tenders** are to be opened in the first instance, at the prescribed time and date as indicated in NIT. These Tenders shall be scrutinized and evaluated by the competent committee/ authority with reference to parameters prescribed in the TE document. During the Techno - Commercial Tender opening, the tender opening official(s) will read the salient features of the tenders like brief description of the goods offered, delivery period, Earnest Money Deposit and any other special features of the tenders, as deemed fit by the tender opening official(s).

Thereafter, in the second stage, the Price Tenders of only the Techno - Commercially acceptable offers (as decided in the first stage) shall be opened for further scrutiny and evaluation on a date notified after the evaluation of the Techno – Commercial tender. The prices, special discount if any of the goods offered etc., as deemed fit by tender opening official(s) will be read out.

F. SCRUTINY AND EVALUATION OF TENDERS

26. Basic Principle

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

27. Scrutiny of Tenders

27.1 The Purchaser will examine the Tenders to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed stamped and whether the Tenders are generally in order.

27.2 Purchaser will determine the responsiveness of each Tender to the TE Document without recourse to extrinsic evidence.

27.3 The tenders will be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions etc. as prescribed in the TE document. The tenders, which do not the 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 IX (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 Infirmity/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, interalia, take into account the tenderer's financial, technical and production capabilities for satisfying all the requirements of the purchaser as incorporated in the TE document. Such determination will be based upon scrutiny and examination of all relevant data and details submitted by the tenderer in its tender as well as such other allied information as deemed appropriate by the purchaser.

37. Contacting the Purchaser

37.1 From the time of submission of tender to the time of awarding the contract, if a tenderer needs to contact the purchaser for any reason relating to this tender enquiry and / or its tender, it should do so only in writing.

37.2 In case a tenderer attempts to influence the purchaser in the purchaser's decision on scrutiny, comparison & evaluation of tenders and awarding the contract, the tender of the tenderer shall be liable for rejection in addition to appropriate administrative actions being taken against that tenderer, as deemed fit by the purchaser.

G. AWARD OF CONTRACT

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

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

39. Award Criteria

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

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

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

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

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

41. Notification of Award

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

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

42. Issue of Contract

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

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

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

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

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

44. Return of E M D

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

45. Publication of Tender Result

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

46. Corrupt or Fraudulent Practices

46.1 It is required by all concerned namely the Consignee/Tenderers/Suppliers etc to observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the Purchaser: -

(a) defines, for the purposes of this provision, the terms set forth below as follows:

(i) “corrupt practice” means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution; and

(ii) “fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among Tenderers (prior to or after

Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition;

(b) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

(c) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract by the purchaser if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing the contract.

SECTION - III
SPECIAL INSTRUCTIONS TO TENDERERS
(SIT)

Sl. No.	GIT Clause No.	Topic	SIT Provision	Page No.
A	1 to 7	Preamble	No Change	27
B	8 to 10	TE documents	No Change	27
C	11 to 21	Preparation of Tenders	No Change	27
D	22 to24	Submission of Tenders	No Change	27
E	25	Tender Opening	No Change	27
F	26 to 27	Scrutiny and Evaluation of Tenders	No Change	27
G	36 to 46	Award of Contract	No Change	27

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

Submission of Tenders

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

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

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

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

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

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

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

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

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 66 months (as applicable warranty period of 5 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 with out 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, Digiral 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 transhipment (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, Bereau 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 transhipment 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 XVI 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 **60 months** from the date of installation & commissioning followed by a **CMC for a period of 5 (Five) Years** for all the equipments after the goods or any portion thereof as the case may be, have been delivered to the final destination and installed and commissioned at the final destination and accepted by the purchaser/CONSIGNEE in terms of the contract, unless specified otherwise in the SCC.

a. No conditional warranty will be acceptable.
b. Warranty as well as Comprehensive Maintenance contract will be inclusive of all accessories and Turnkey work and it will also cover the following:-

- X-ray and CT tubes and high-tension cables.
- Helium replacement
- Any kind of motor.
- Plastic & Glass Parts against any manufacturing defects.
- All kind of sensors including oxygen sensors.
- All kind of coils, probes and transducers
- All kind of flat panel sensors and cassettes for DR & CR systems and patients handling trolleys etc
- Printers and imagers including laser and thermal printers with all parts.
- UPS including the replacement of batteries.
- Air-conditioners

c. Replacement and repair will be under taken for the defective goods.
d. Proper marking has to be made for all spares for identification like printing of installation and repair dates.

15.3 In case of any claim arising out of this warranty, the Purchaser/Consignee shall promptly notify the same in writing to the supplier. The period of the warranty will be as per G.C.C clause number 15.2 above irrespective of any other period mentioned elsewhere in the bidding documents.

15.4 Upon receipt of such notice, the supplier shall, within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis respond to take action to repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/goods after providing their replacements and no claim, whatsoever shall lie on the purchaser for such replaced parts/goods thereafter. The penalty clause for non rectification will be applicable as per tender conditions

15.5 In the event of any rectification of a defect or replacement of any defective goods during the warranty period, the warranty for the rectified/replaced goods shall be extended to a further period of sixty (60) 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 XVI 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 XVII to be issued by the consignees through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the Foreign Principal in a bank in his country, subject to recoveries, if any. Final acceptance certificate will be released by the consignee on completion of installation, commissioning, training, successful running of equipment (at least 2-3 weeks) and handing over the equipment to the consignee.

c) **Payment of Incidental Costs** till consignee site & Incidental Services (including Installation & Commissioning, Supervision, Demonstration and Training) will be paid in Indian Rupees to the Indian Agent on proof of final installation, commission and acceptance of equipment by the consignee.

d) **Payment of Indian Agency Commission:** Indian Agency commission will be paid to the manufacturer"s agent in the local currency for an amount in Indian rupees indicated in the relevant Price Schedule (as per prevailing rate of exchange ruling on the date of Contract) and shall not be subject to further escalation / exchange variation.

C) Payment of Turnkey, if any:

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

D) Payment for Annual Comprehensive Maintenance Contract Charges:

The consignee will enter into CMC with the supplier at the rates as stipulated in the contract. The payment of CMC will be made on six monthly basis after satisfactory completion of said period, duly certified by the consignee on receipt of bank guarantee for

an amount equivalent to 2.5 % of the cost of the equipment as per contract in the prescribed format given in Section XV valid till 2 months after expiry of entire CMC period.

21.2 The supplier shall not claim any interest on payments under the contract.

21.3 Where there is a statutory requirement for tax deduction at source, such deduction towards income tax and other tax as applicable will be made from the bills payable to the Supplier at rates as notified from time to time.

21.4 Irrevocable & non – transferable LC shall be opened by the respective consignees. However, if the supplier requests specifically to open confirmed LC, the extra charges would be borne by the supplier. If LC is required to be extended and/or amended for reasons not attributable to the purchaser/consignee, the charges thereof shall be borne by the supplier.

21.5 The payment shall be made in the currency / currencies authorised in the contract.

21.6 The supplier shall send its claim for payment in writing, when contractually due, along with relevant documents etc., duly signed with date, to respective consignees.

21.7 While claiming payment, the supplier is also to certify in the bill that the payment being claimed is strictly in terms of the contract and all the obligations on the part of the supplier for claiming that payment has been fulfilled as required under the contract.

21.8 While claiming reimbursement of duties, taxes etc. (like sales tax, excise duty, custom duty) from the Purchaser/Consignee, as and if permitted under the contract, the supplier shall also certify that, in case it gets any refund out of such taxes and duties from the concerned authorities at a later date, it (the supplier) shall refund to the Purchaser/Consignee forthwith.

21.9 In case where the supplier is not in a position to submit its bill for the balance payment for want of receipted copies of Inspection Note from the consignee and the consignee has not complained about the non-receipt, shortage, or defects in the supplies made, balance amount will be paid by the paying authority without consignee's receipt certificate after three months from the date of the preceding part payment for the goods in question, subject to the following conditions:

(a) The supplier will make good any defect or deficiency that the consignee (s) may report within six months from the date of despatch of goods.
(b) Delay in supplies, if any, has been regularized.
(c) The contract price where it is subject to variation has been finalized.
(d) The supplier furnishes the following undertakings:

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

22. Delivery/Delay in the supplier's performance

22.1 The supplier shall deliver of the goods and perform the services under the contract within the time schedule specified by the Purchaser/Consignee in the List of Requirements and as incorporated in the contract. The time for and the date of delivery of the goods stipulated in the schedule shall be deemed to be of the essence of the contract and the delivery must be completed not later than the date (s) as specified in the contract.

22.2 Subject to the provision under GCC clause 26, any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions:

(i) imposition of liquidated damages,

(ii) forfeiture of its performance security and
(iii) termination of the contract for default.

22.3 If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform the Purchaser/Consignee in writing about the same and its likely duration and make a request to the Purchaser/Consignee for extension of the delivery schedule accordingly. On receiving the supplier's communication, the Purchaser/ Consignee shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.

22.4 When the period of delivery is extended due to unexcused delay by the supplier, the amendment letter extending the delivery period shall, interalia contain the following conditions:

(a) The Purchaser/Consignee shall recover from the supplier, under the provisions of the clause 23 of the General Conditions of Contract, liquidated damages on the goods and services, which the Supplier has failed to deliver within the delivery period stipulated in the contract.
(b) That no increase in price on account of any ground, whatsoever, including any stipulation in the contract for increase in price on any other ground and, also including statutory increase in or fresh imposition of customs duty, excise duty, sales tax/ VAT, Service Tax and Works Contract Tax or on account of any other tax or duty which may be levied in respect of the goods and services specified in the contract, which takes place after the date of delivery stipulated in the contract shall be admissible on such of the said goods and services as are delivered and performed after the date of the delivery stipulated in the contract.
(c) But nevertheless, the Purchaser/Consignee shall be entitled to the benefit of any decrease in price on account of reduction in or remission of customs duty, excise duty, sales tax/ VAT, Service Tax and Works Contract Tax or any other duty or tax or levy or on account of any other grounds, which takes place after the expiry of the date of delivery stipulated in the contract.

22.5 The supplier shall not dispatch the goods after expiry of the delivery period. The supplier is required to apply to the Purchaser/Consignee for extension of delivery period and obtain the same before despatch. In case the supplier dispatches the goods without obtaining an extension, it would be doing so at its own risk and no claim for payment for such supply and / or any other expense related to such supply shall lie against the purchaser.

22.6 Passing of Property:

22.6.1 The property in the goods shall not pass to the purchaser unless and until the goods have been delivered to the consignee in accordance with the conditions of the contract.

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

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

23. Liquidated damages

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

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

24. Termination for default

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

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

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

25. Termination for insolvency

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

26. Force Majeure

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

26.2 For purposes of this clause, Force Majeure means an event beyond the control of the supplier and not involving the supplier's fault or negligence and which is not foreseeable and not brought about at the instance of , the party claiming to be affected by such event and which has caused the non – performance or delay in performance. Such events may include, but are not restricted to, acts of the Purchaser/Consignee either in its sovereign or contractual capacity, wars or revolutions, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes excluding by its employees , lockouts excluding by its management, and freight embargoes.

26.3 If a Force Majeure situation arises, the supplier shall promptly notify the Purchaser/Consignee in writing of such conditions and the cause thereof within twenty one days of occurrence of such event. Unless otherwise directed by the

Purchaser/Consignee in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

26.4 If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of Force Majeure for a period exceeding sixty days, either party may at its option terminate the contract without any financial repercussion on either side.

26.5 In case due to a Force Majeure event the Purchaser/Consignee is unable to fulfil its contractual commitment and responsibility, the Purchaser/Consignee will notify the supplier accordingly and subsequent actions taken on similar lines described in above 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 **Medical Superintendent, Safderjung Hospital, New Delhi**. The award of the arbitrator shall be final and binding on the parties to the contract subject to the provision that the Arbitrator shall give reasoned award in case the value of claim in reference exceeds Rupees One lakhs (Rs. 1,00,000/-)

30.3 Venue of Arbitration: The venue of arbitration shall be the place from where the contract has been issued, i.e., New Delhi, India.

30.4 Jurisdiction of the court will be from the place where the tender enquiry document has been issued, i.e., New Delhi, India

31. Applicable Law

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

32 Withholding and Lien in respect of sums claimed

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

33. General/ Miscellaneous Clauses

33.1 Nothing contained in this Contract shall be constructed as establishing or creating between the parties, i.e. the Supplier/its Indian Agent/CMC Provider on the one side and the Purchaser on the other side, a relationship of master and servant or principal and agent.

33.2 Any failure on the part of any Party to exercise right or power under this Contract shall not operate as waiver thereof.

33.3 The Supplier shall notify the Purchaser/Consignee /the Government of India of any material change would impact on performance of its obligations under this Contract.

33.4 Each member/constituent of the Supplier/its Indian Agent/CMC Provider, in case of consortium shall be **jointly and severally liable** to and responsible for all obligations towards the Purchaser/Consignee/Government for performance of contract/services including that of its Associates/Sub Contractors under the Contract.

33.5 The Supplier/its Indian Agent/CMC Provider shall at all times, indemnify and keep indemnified the Purchaser/Government of India against all claims/damages etc. for any infringement of any Intellectual Property Rights (IPR) while providing its services under CMC or the Contract.

33.6 The Supplier/its Agent/CMC Provider shall, at all times, indemnify and keep indemnified the Purchaser/Consignee/Government of India against any claims in respect of any damages or compensation payable in consequences of any accident or injury sustained or suffered by its employees or agents or by any other third party resulting from or by any

action, omission or operation conducted by or on behalf of the supplier/its associate/affiliate etc.

33.7 All claims regarding indemnity shall survive the termination or expiry of the contract.

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

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

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

ii) in the case of goods of foreign origin offered from abroad, customs duty and other similar import duties/taxes, which will be contractually payable (to the tenderer) on the goods if the contract is awarded on the tenderer.

34.2 The purchaser's evaluation of tender will also take into account the additional factors, if any, incorporated in SIT in the manner and to the extent indicated therein.

34.3 i. In exercise of powers conferred in section 11 of the Micro, Small and Medium Enterprises Development (MSMED) Act 2006, the Government has notified a new Public Procurement Policy for Micro & Small enterprises effective from 1st April 2012. The policy mandates that 20% of procurement of annual requirement of goods and services by all Central Ministries/Public Sector Undertakings will be from the micro and small enterprises. The Government has also earmarked a sub-target of 4% procurement of goods & services from MSEs owned by SC/ST entrepreneurs out of above said 20% quantity.

i. In accordance with the above said notification, the participating Micro and Small Enterprises (MSEs) in a tender, quoting price within the band of L 1+15% would also be allowed to supply a portion of the requirement by bringing down their price to the L1 price, in a situation where L1 price is from someone other than on MSE. Such MSEs would be allowed to supply up to 20% of the total tendered value. In case there are more than one such eligible MSE, the 20% supply will be shared equally. Out of 20% of the quantity earmarked for supply from MSEs, 4% quantity is earmarked for procurement from MSEs owned by SC/ST entrepreneurs. However, in the event of failure of such MSEs to participate in the tender process or meet the tender requirements and the L1 price, the 4% quantity earmarked for MSEs owned by SC/ST entrepreneurs will be met from other participating MSEs.

ii. The MSEs fulfilling the prescribed eligibility criteria and participating in the tender shall enclose with their tender a copy of their valid registration certificate with District Industries Centres or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir board or national Small Industries Corporation or any other body specified by Ministry of Micro and Small enterprises in support of their being on MSE, failing which their tender will be liable to be ignored.

SECTION – V

SPECIAL CONDITIONS OF CONTRACT (SCC)

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

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

SECTION - VI
LIST OF REQUIREMENTS

Part I

S. No.	Equipment Details	Qty./ Requirements	EMD (Rs.)
	For Neurology		
1	Digital EEG System 64-Channels with Simulator with Central Reading Station	For Super-Specialty Block = 1 no.	20,000.00
2	Portable EEG System	For Super-Specialty Block = 1 no.	6,000.00
3	EMG/NCV/EP System	For Super-Specialty Block = 2 no.	40,000.00
4	Polysomnography Equipment	For Super-Specialty Block = 1 no.	40,000.00
	For Nephrology		
5	Hemodialysis Machine with SLED	For Super-Specialty Block = 2 no.	52,000.00
6	Hemodialysis Machine (Regular)	For Super-Specialty Block = 8 no.	1,60,000.00
7	RO Plant for Hemodialysis Machine	For Super-Specialty Block = 1no.	60,000.00
	For Nuclear Medicine		
8	Positron Emission Tomography/Computed Tomography (PET/CT)	For Super-Specialty Block = 1no.	21,00,000.00
	For Biochemistry Lab.		
9	Fully Automated Clinical Chemistry Analyzer	1 no. for Biochemistry Lab. of Emergency Block	4,000.00
10	Bio-chemistry Auto Analyzer 16 Channels	1 no. for Biochemistry Lab. of Emergency Block	32,000.00
11	ABG & Electrolyte Analyzer	1 no. for Biochemistry Lab. of Emergency Block + 1 No. for Cardiology + 3 no. for CTVS + 2 no. for Pulmonary Medicine & Sleep Lab.= 7nos.	96,000.00
12	Automated Urine Analyzer	1 no. for Biochemistry Lab. of Emergency Block	6,000.00

13	Fully Automated Chemiluminescence Immunoassay Analyzer	1 no. for Biochemistry Lab. of Emergency Block	50,000.00

Part II: Required Delivery Schedule:

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

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

b) For Imported goods directly from foreign:

60 days from date of opening of L/C except, for MRI, CT Scan, DR System, DRF System, DSA, Gamma Knife, Gamma Camera, PET CT, Cath Lab. for which the delivery period will be 90 days from date of opening of L/C. The date of delivery will be the date of Bill of Lading/Airway Bill. (Tenderers may quote earliest delivery period).

c) Installation & commissioning within 15 days of receipt of goods at site except for MRI, CT Scan, DR System, DRF System, DSA, Gamma Knife, Gamma Camera, PET CT, Cath Lab. for which installation & commissioning to be done within 90 days of receipt of goods at site.

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

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

Part III: Scope of Incidental Services:

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

Part IV:

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

Part V:

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

Part VI:

Required Terms of Delivery and Destination.

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

At Consignee Site – Specified in the List of Requirements

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

b) For Imported goods directly from abroad:

The foreign tenderers are required to quote their rates on CIP Named Port of Destination Basis giving break up of the price as per the Proforma prescribed in the Price Schedule. Purchaser will

place the order on DDP Consignee basis. The shipping arrangements shall be made by the supplier accordingly.

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

Consignee/destination details as mentioned in Section-XXI.

Section – VII
Technical Specifications

Specifications for 64 Channel Video EEG Machine Digital with Simulator with Central Reading Station

Amplifier for each system

64 Channels Amplifier(64) including 9 active/references and eight additional channels for polysomnography (ECG, EMG, Breath, oral nasal flow, respiratory belt etc) also any two channels can be configured as Bipolar, AC or DC through software wired(Ethernet 100 baseT, IP addressable, DHCP capable) including additional should transmit for any number of days using hot swappable batteries without interfering in each others transmission.

Detachable 32 channels 10-20 electrode system(Quick Disconnection Box) with amplifier. It is mandatory that patient can go anywhere with detachable 32 channels 10-20 electrode system without any loss of EEG data

The amplifier unit shall include two isolated ground and reference connections and (min) 12 Hours Battery Backup with 32 GB onboard memory to facilitate data catch up automatically when patient is out of range. Additional 2 Nos. of hot swappable rechargeable batteries for system.

The system should have facility to do proper polysomnography with synchronisied CPAP titration.

Impedance Measurement: Both from amplifier and on Monitor Screen.
Acquires SpO2 and Plethysmography from integrated (Nonin) module.
System should have modules for SpO2, Co2 and Heart Rate Monitoring
System must be supplied with manufacturer supplied video capturing hardware for high quality video
Common mode Input Impedance> 100 MΩ
Differential Input Impedance> 40 MΩ
Bandwidth 0.048-5856 Hz(maximum)
Analog/Digital Converter Resoltution:24 bits
ADC Resolution Voltage 0.153µV
DC Offset of at least ± 1200mV
Sampling Rate:20 KHz and higher
Hot swappable Lithium ION Batteries with extra charger set for the system
Input Noise:< 1.5µvpk-pk @ 0.1 to 100 Hz.
CMRR>110 dB
Acquisition Sensitivity: 1 µv to 500 µv/mm for individual channel.
Low Filter: Adjustable between 0.01 to 10 Hz.
High Filter: Adjustable between 15 to 2000 Hz
RF Patient Protection is must.
To connect automatically when disconnected from Ethernet and provision of communication through standard cable, locally and at remote site too.

Built in Memory card of 32 GB or higher having capability to record EEG Data while the patient is not connected to Ethernet(i.e Exams within hospital &/ or going to toilets etc). There should be facility to automatically transfer the recorded data from the on board memory as soon as the amplifier is connected to Ethernet again.
Water proof pouch with belts etc for easy carrying & safety to the amplifier.
2 Waterproof cover for system for use during washing hours.

Acquisition Software

Individual Channel Control, easy customization of Montages, along with re-montage capabilities through toolbar-acceleration buttons.

Combine all users defined settings into templates or protocol, for use in different applications and the protocols should be available for user by a menu selection.
Arrange montages into sets for different patient groups & should display a graphical view of the current montage during the EEG recording.
Define new Sensors should be included as standard viz assign to amplifiers inputs, define
traces in montage, define calculated channels (Average, Source/Laplacian), or define Trends.
Facility to click any point to display corresponding traces & Slide Pointer to change displayed duration of the Overview. Display of Time Scale in either elapsed time or time of day.
Sort able list of all events placed in the recording, both automatically and manually placed such that when event is clicked, it shows corresponding EEG.
Review and add events to recorded traces in Review Pane while still displaying live traces in Live Pane.
Automatic detection of bradycardia and tachycardia based on EKG or Pulse Sensor.
Facility to display the current numerical value of selected traces such as vital signs, or to indicate appearances of events like seizures.
Amplitude Integrated EEG(aEEG)- both bipareital and cross cerebral method.
EEG Amplitude- Trend and Number
Spectral Edge Frequency-Trend and Number
EEG Power Spectrum
Comparison of signals from both hemispheres.
Brain Mapping through software.
Latest Spike and seizure detection **& Polyomnography** scoring software to be available with the system.

Enhance artifact and noise removal software for artifact.
ECG eliminators filters in both acquisition & review mode.
Should be able to give EEG data output in ASCII format.
Waveform freeze facility with simultaneously background recording/split screen.

Review Software(1 No for main system, 1 for additional review station which will be install in Neurology faculty room and connected to main system through proper networking/LAN total 02 software keys)

To provide the facility of individualized workspaces, such that individual users can select and save their interpretations, pruned portions of files, slideshows with annotations, within originally saved and pruned files.
Facility for Prune/ Trim down EEG or video to specified events along with user define time before or after.
Facility for Zoom/Magnify EEG Trace, Copy & Paste of EEG or trends to reports and presentations.
Facilty to search EEG in a record by time.

All Vendors can visit the lab to evaluate the tentative installation site for acquisition and Review Stations. However these stations may be moved to other locations for which no extra charges will be given at later stage.

Printer(1 Nos for Acquisition Station and 01 No. Of Review Station): Colour Laser Printer.

UPS (01 Nos for Acquisition Station and 01 No of Review Station): UPS of suitable rating with MF Batteries with 1 Hour Back Up time.

Environmental Factors:
The unit shall be capable of being stored continuously in ambient temperature of 0-50 deg C & relative humidity of 15-90%.

General Specifications.
The system should be wall and hinge mountable with mobile arms (from Manufacturer) along with isolation power transformer and power supply should be 220-224 V AC, 50 Hz fitted with Indian Plug. Resettable over current breaker shall be fitted for protection.

Voltage corrector/stabilizer of appropriate rating meeting ISI Specifications(Input 160-260 V & output 220-240 V & 50 Hz.
It is mandatory that the system should be Certified US FDA approved. Vendor to attach the Certificate clearly mentioning the model, address of manufacturer and validity on the certificate.

Compliance/ Regulatory Standards

Designed, tested, manufactured and certified to meet the following domestic(USA), Canadian, European and International Standards.
Patient Isolation BF
UL60601-1 Medical Electrical Safety Standard(USA)
CAN/CSA-C22.2 no. 601.1-M90 Medical Electrical Safety Standard(Canada**)**
EN/IEC 60601-1 Medical Electrical Safety of Medical Equipment(International and Europe)
IEC 60601-2-26
Particular Safety of electroencephalogrpahs equipments
EN 60601-1-2 Collateral safety standard for EMC
European Community(CE Mark)
Medical Device Directive(MDD) product certified to comply to EC Directive 93/42/EEC USFDA Approved.

Consumables:
Compatible EEG net caps 3 of each small, medium and large size saline applicable(total 09)
Gold plated EEG Disc Electrode(length-1.5m)-100 Nos.
Ten 20 Paste, 228 Gms Jar-50 Nos.
Nu-Prep Gel, 114 Gms tube-50 Nos.
DVDs-100 Nos.
2 TB External HDD

Archiving of data:

Price of all accessories and amplifier and screen and software to be provided and freeze for 5 years. Periodic software updates to be done. Total Internet Security antivirus to be provided with system with free updates done every year till machine works.

Demonstration of equipment would be mandatory once technical bids are opened.

Comprehensive warranty for 5 years & 5 years CMC after warranty. No extra charges for warranty or CMC for above duration.

Documentation

User/Technical/Maintenance manuals to be supplied in English.

Certificate of calibration and inspection.

Should have local service facility & service provider should have necessary equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service/technical manual.

Log book with instructions for daily, weekly, monthly & quarterly maintenance checklists. The job description of the hospital technician should be clearly spelt out.

Compliance report to be submitted in a tabulated & point wise manner clearly mentioning the page/Para number of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue/manual will not be considered.

Portable EEG Machine

Digital EEG equipment
1 Operational Requirements
1.1 EEG System complete with software for acquisition and review and the compatible computer with necessary interface, Photic stimulator and printer is required.

2 Technical Specifications
2.1 Hardware:
1. Should be mounted on a movable trolley with minimum following specifications: 8 GB DDR RAM, 2 TB HDD, CD/DVD RW, 22" medical grade, LCD or TFT Display, External Optical Key Board & Mouse and UPS. 2. Number of EEG Channels should be minimum of 32 with color coding, Should have eight channels for Polygraphy.
3. Facility for simultaneous sampling of all EEG channels and multiple sampling rates.
4. Photic Stimulator with software programmable for manual or automatic sequences.
5. The system should have 32 active channel with minimum 06 biological channels capable of spectral analysis, marking annotations, change of sensitivity, printing of Epoch of interest.

2.2 Technical Specifications:
1. 32 Channel Amplifiers needed.
2. CMRR should be > 110 dB or better
3. Noise < 2uV peak to peak
4. Input Impedance > 100 M ohm
5. 16 bit ADC resolution or better
6. Low filter adjustable between 0.16 to 5 Hz.
7. High Filter Adjustable between 50 to 100Hz.
8. Notch Filter Adjustable to software.
9. Acquisition Sensitivity from 1 microvolt per mm to 200 microvolt per mm.

2.3 Acquisition Software:
1. Facility to combine all user defined settings into templates or protocol, for use in different applications.
2. Facility for Individual Channel Control, Customization of Montages, along with Remontage Capabilities.
3. Facility to define New Sensors should be possible as standard i.e assign to amplifier inputs. Define traces in a montage. Define calculated channels (Average source), or define trends.
4. Facility to review and add events to recorded traces.
5. Facility for automatic time counters and event insertion during Hyperventilation.
6. Facility to controlled display Sensitivity for User defined value.
7. Facility to choose Low & High Cut Filters along with facility to enter any user defined value.
8. Facility to file zip.
9. Facility of configurable Time Base.
10. Spike & Seizure software

2.4 Review Software:
1. Paging facility as Automatic Paging, Mouse controlled Paging and/ or Keyboard Paging.
2. Playback of EEG for one or more channels.
3. Facility for Zoom/ Magnify EEG trace,
4. Facility for Copy & Paste of EEG or Trends to reports and presentations
5. Facility for Automatic generation of reports.
6. Facility for viewing several recordings in tiled or cascading windows.

2.5 Patient Administration Software:
1. Archive to Blue ray disc. CD or DVD, powerful search, patient folder
2.6 Should be supplied with external camera with remote for video capturing. The camera should be integrated with On-Line EEG recording. (Rate to be offered separately)

3 System Configuration Accessories, spares and consumables
3.1 System as specified
3.2 A Accessories should include:
1. EEG Cable (with extra one cable) with connections and 5 sets of gold plated EEG disc Electrodes.
2. 50 boxes of 10-20 conducting paste for EEG
3. 5 sets of Medium, small and large caps.
4. Mountable Trolley supplied by the Principal
5. All mountings.
6. Re-writable DVDs-100Nos.
7. Compatible Laser Printer with minimum of 1200x 1200 DPI Resolution, 48 PPM and A4 Size printing facility.-01

B. The prices of the following accessories should be quoted and should be frozen for 5 years after the warranty period:
1. EEG cable and its connections.
2. Gold plated EEG disc electrodes.
3. 10-20 EEG Conduction paste.

4 Environmental factors
4.1 The unit shall be capable of operation in Indian Conditions of temperature

5 Power Supply
5.1 Power input to be 220-240VAC, 50Hz fitted with Indian plug
5.2 Suitable UPS with maintenance free batteries for minimum one-hour back-up should be supplied with the system.

6 Standards, Safety and Training
6.1 Should be USFDA and/or European standard approved product
6.2 Comprehensive training for lab staff and support services till familiarity with the System.

7 Documentation:
7.1 User/Technical/Maintenance manuals to be supplied in English.
7.2 Certificate of calibration and inspection.
7.3 Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/Para number of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue / manual, the offer will be rejected.

Specifications for EMG/NCV/EP System

NCV/EMG/EP HARDWARE
Two electrical stimulators, one auditory stimulators, one visual LED Stimulator should be integrated in the base unit.
Built-In audio speaker should be available for output of both live signals as well as playback of recorded data.
The Hardware should have two trigger inputs and two trigger outputs for connection to external devices.
The Hardware should also have connections for patient response unit, footswitch, and control panel. LED Goggles, audio transducers(head phones, bone conductors, ear inserts etc) reflex hammer.
All channel should be available to external acquisition equipment for on-line analysis through the Analog Out Connector
A safety feature should stop any stimulation after few seconds of lost communication between the base unit and the computer. Restoring the USB communication should automatically bring the system back to running condition without any need for additional user intervention.
The hardware firmware and DSP software could easily be field upgraded to incorporate most recent enhancements and updated functionality.
AMPLIFIER
6 Channel Amplifier should have at least two non-switched and four-switched channels which can be upgradable upto 8 channel amplifier.
22 Input connectors for four switched channels configured according to the 10-20 EEG electrode layout that can be used in any combination.
Extended Head Box with 22 input connectors for four switched channels configured according to the 10-20 EEG electrode layout should be available.
18 bit Analog to Digital Converter
48 KHz sampling rate per channel
Artifact rejection hardware for prevents the stimuli artifact from saturating the amplifier
Built-in Impedance measurement capability should measure the impedance at 20 Hz with a range from 500Ω to 450KΩ
Built in rectangular calibration pulse selectable between 2,20,200,2000,20000µV
Gain adjustable from 10nV to 100mV/division more than 20 steps.
Low Frequency Hz: 0.2, 1, 2,5,10,20,30,50,100,200,250,300,500,1k,2k,5k
High Frequency Hz: 30, 50, 100, 200, 250, 300, 500, 1K,1.5K,2K,3K,5K,10K
Notch Filter 50 Hz.60 Hz, or off
CMII> 1000 MΩ (non switched channels)
CMII> 100 MΩ(Switched Channels)
CMRR> 110 dB
Noise< 0.7 µV RMS
A temperature probe should be connected to the amplifier for automatic recording of limb temperature.
Electrical Stimulator
Output intensity should be set either to constant- voltage or constant-current mode delivering 0-400V/0-100mA
The stimulus intensity should be stored for each trace
Delivered stimulus should be monitored and short circuit and open circuit conditions should be indicated.

Deviation between requested and delivered stimulus current intensity should be indicated.
Duration should be adjustable between 0.02-1ms.
Modes should be set to either mono-phasic or biphasic stimulation using Single , Refractory, Collision, Double, or Train
The stimulus rate should be varied between:0.06-200 stimuli per second(Hz)
Electrical Stimulator Probe (2 Nos): Should be ergonomically design, small and comfortable to use. Should allow for direct control stimuli parameters as well as of the examination workflow using an integrated wheel and buttons. Should have controls for stimulus intensity, start/stop, duration, polarity and move to next trace.
Auditory Stimulator
Type should be selected between click, tone pip and tone Burst
Intensity should be set betbeen O to 130 dBnhl pSPL or- 31 TO 109 dBSPL
nHL, depending on stimulus type, stimulus frequency , and transducer type .
Increment steps should be selected betbeen 1 to 30 dB .
Polarity should be set to ; Condenstation rarefraction or alternating .
Visual Stimulator .
Should be possible to choose pattern stimulus color /Black and white (foreground and background) and pattern intensity
The pattern type should be selected from checks, bars, or grating .
The pattern should be full- field or partial/ field (hemi, quadrants, eighths and sixteenths) with possibility to select the partial- field position
The stimulator should calculate changes in check size, distance and visual angle
Should be possible to choose the target size, position and choose betbeen a static or pulsating target
LEDfalsh rate should be set between 0.1-100per second (Hz) with a duration between 1- 500ms.
System Software
System must support microsoft windows 7
Motor nerve conduction (MNC), Sensory nerve conduction (SNC)Microneurography.
Combined sensory index, combined motor and sensory nerve conduction silent period MEP, TST(triple stimulation technique)
Inching studies, f-wave h-reflex, blink reflex (electrical and Mechanical) repetitive nerve stimulation with repetition rate of 0.5 Hz to 50 Hz
Reference help,
Needle EMG, EMG replay of minimum 960 sec of stored data with audio and store in AVI format for review on any windows media player pc
Multi – MUP analysis, peak ratio analysis. EMG event recorder
Single fiber EMG Macro EMG
Turns and amplitude,
AEP, SEP, VEP, OHL, Mid latency EP long latency EP, Flash & Pattern VEP and Flash ERG.
P300 and CNV
Tremor analysis with accelerometer (two in number)
R-R interval
Sympathetic skin response (SSR)/Galvanic skin response (GSR).

Data should be repositioned, superimposed, or shown in rastered mode
The same data should simultaneously be displayed with different filters. sensitivity and timebase for optimal review of results. roll back and roll forward of traces
Data could be displayed as free run or triggerd with delay ranging from -9.9to +9.9 divisions
Free run EMGdata and sound should be recorded for up to 960 seconds for 2 channels or 360seconds for 4 channels.
GRAPHICAL/Anatomical selections tests
Stored data should be reanalyzed, digitally filtered, smoothed, inversed ,summed, replayed displayed as trends in plots, frequency analysis etc
The data should be storable in standard WAV format making it simple to export to other research or analysis programs
Should have averaging techniques to optimize the averaging results such as mean exponential, median, threshold .
The artifact reject function should automatically exclude artifacts that exceed a user definable anplitude threshould
Should also be possible to manually include or exclude data on trace per trace basis,
The averager display sensitivity should be set from 0.1µv/division to 100mv /division in 22 steps
There should be facility to go back and see previosly recorded responses and choose the best result for reporting up to 4 replication should be available
Facility for signal enhancer to improve the baseline drift and clean signal must be available in F waves option to hind m- portion is desired .
Multiple exams should be organized in to test folders ensuring simple and consistent examination even with the must complex diagnostic procedures or research setups
On-line result should give a compact clinical overview with links backs to the raw data
Should highlight result that are outside of reference values
Generate a summary of findings
Should be setup by the user according to specific needs
Should have capability to capture the test screen both as a picture and as a movie thatshould be incorporated into reports, training material, publications, presentations etc
Should have an integrated data base with user defined patient demographics and visit information
Diagnostic software should be available that could validate the integrity of the system and reports detailed system information regarding amplifier, base unit firmware etc
Should utilize remote support software to allow to view and remotely diagnose and service the system if possible.
The base unit of system should provide all controls for performing the test, switching to other test protocols, &review of the test with control knobs for sensitivity, gain, marking cursors pulse width etc with in built comprehensive nerve /muscle directory
Each system should be supplied with
230V isolations power supply
LED goggles -2 nos
300Ω TDH- 39 Headphonnes -2 nos
Visual stimulator pattern 21” gold foil electrode for ERG
Control panel for ease of operation
Computer with core i7, HDD2 TB, RAM 8 GB, 21 “LED, Genuine windows 7 and ms word
Branded colour laser printer good quality
Ups with backs up time of at least 30 minutes

Trolley good quality imported with amplifier arm
EMG/EP/NCS/ Standard electrode kit .
25 adult compatible disposable concentric EMG needles with o1 no. Needle holder
01 nos. of reusable single fibre EMG needle with 01 no of needle holder
Compliance /regulatory standards should have have
UL 60601-1 medical electrical safety standard (USA)
CAN /CSA-C22.2 no. 601.1- M90 Medical electrical safety standard (canada)
EN/IEC 60601-Medical electrical safety of medical equipment
IEC 60601-2-40 particular safety of electromyography and evoked response equipment
EN 60601-1-2 Collateral safety standard for EMC
European community (CE mark)
Class 2B medical device directive (MDD) product should provide additional following things
US FDA APPROVED system

Technical specifications for Video Polysomnography Lab System
Hard Ware specification for PSG machine
Should have following channels EEG EMG EOG ECG Nasal/Oral Airflow Respiratory Effort Snoring Body Position CPAP Pressure Limb Movement SaO2 Pulse Rate
2. There should be ; a. amplifier must be compact body wearable and light weight-Trolley with movable amplifier stand to be provided b. Referential Channels(Possible to configure all Referential Channels for EOG,EEG,& EMG, as per requirement-32 c. Bipolar Channels-Upto 12 d. Additional DC Channels(For External Peripherals like Capnography, Ph, Esophageal pr monitoring etc)- Up to 8 e. Should be able to record systolic BP either from PTT signal or from 3rd party stand alone(NIBP measurement from non inflating finger)
f. Amplifier must be compact body wearable and light weight trolley with movable amplifier stand to 32
3. There should be two integrated pressure Transducers, each for a. To measure direct CPAP pressure (Facility to interface any make of CPAP with the system) b. To measure Nasal pressure to access nasal airflow without Nasal themistor
4. Should have integrated Pulse Oximeter body position , light sensor and movement detection sensor .
5. should have integrated bed side and on screen impedance check &self calibration
6.should have adjustable gain and notch filters
7. should have fully compressed raw data stored on channels
8. Easy enterface with CPAP machines of various makes should be possible , with easy titraion . there should be provision for automatic calculation and disply of apnea-hypopnea indix as well as other parameters like desaturation index live during recordieng of titration studies ,
9. should have synchronized digital video with camera and infrared source. Video camera with high audio quality without external microphone (Best possible in industry).
10. should have provision for power backup for at least 3 hrs and UPS for camera &computer .
1. Ability to wireless transmission of PSG DATA 2. Antivirus security till the AMC or CMC(not free or trial version) – upgradable every year
Software specifications
1. Should have ability for re- referencing, re- montaging and re- filtering at any time during a study or after the study has been recorded
2. Should have provision for real time access to studies for analysis of data

currently being recorded from the review/ recoding station .
3. Should be interfaced to PC via LAN interface for data acquisition
4. The system should be compact &modular in design and should have facility to hook –up directly to any LAN port on the network and the data should be acquired on sleep station (sleep lab PC)
5. Should have user definable montages &montage changes.
6. Should have independent , selectable time basis for upper &lower portions of the screen enabling to see fast moving traces like EEG and slower RESPIRATORY WAVEFORMS ON THE LOWER HALF.
7. Should have sleep staging options for adults and pediatrics
8. Should have scoring comparison (quality control)feature which will allow comparison between scoring by different users including sleep stages , respiratory events and AHI, arousal and limb movements with provison for calculation of percentage agreement between different users
9. Software should have the capability to display and analyze respiratory events linking with arousals, periodic limb movements and desaturations
10. Should have the capability for periodic limb movement display and analysis with linking of individual limb movements with apnea / hypopnea and with arousals
11. Software for cyclic alternating pattern analysis
12. Should display the detailed sleep apnea treatment steps for all modalities (CPAP, bi- level PAP, adaptive servo ventilation and oxygen supplementation
Review station
1. Highest configuration Mac / windows based all in one desktop computers with at least 3rd generation intel core i7 processor, 8 GB RAM or highest available, 18.5 TFT color monitor, DVD R/W, Mouse.
2. On line PSG VIEWING SOFTWARE (2nos)
3. Liceneses for review and analysis software for PSG equipment (2nos)
4. Cable Networking-of PSG machine and review station
5. Archiving Facilities: 2 High Capacity servers each with 10TB Capacity each.
6. High Speed wireless internet connectivity with advanced security-for all PSG computers
7. 26”LED monitor -2
Treatment Facility
1. Multimodality titration equipment(enable to titrate CPAP, Bi-Level, and ASV)
2. Machine should be controlled remotely by software or remote control device to change pressure and settings
3. Multiple type of Masks with different sizes
4. Equipment should be USFDA Approved.
5. Two sets of accessories should be supplied.

Haemodialysis Machine with SLED and Hemodiafitration facility

1. Technical specifications

1.1. Capable of providing conventional haemodialysis, SLED, haemofiltration and online haemodiafiltration
1.2. Facility for Acetate, Bicarbonate, dry powder & sequential dialysis (isolated UF)
1.3. Option for both pre-dilution & post-dilution of blood should be available.
1.4. HDF substitution fluid be produced online with a delivery rate of wide range (20-500ml/mt)
1.5. Should have appropriate filters for preparation of ultra- pure dialysate, with endotoxin retention capacity of least 10^6 IU.
1.6. Built in NIBP.
1.7. Na and Ultra filtration profiling.
1.8. Audio visual alarms.
  1.8.1. Conductivity and automatic bypass
  1.8.2. Air detection and automatic clamp.
  1.8.3. Temperature and automatic bypass.
  1.8.4. Water and dialysate flow alarm.
  1.8.5. Arterial and venous pressure alarms.
  1.8.6. Optical/photo blood leak detector and ultrasonic air detector.
1.9. Wide range dialysate temperature selectivity (34 to 39 deg. C).
1.10. Variable conductivity setting (13 to 15.7 mS/cm).
1.11. Wide dialysate flow rate option (100-1000 ml/mt with increments of 100 ml/mt).
1.12. Wide range blood pump flow option (30-600 ml/mt with increment of 10 ml).
1.13. Facility to show the treatment trends every 15-20 minutes digital as well as by graph
1.14. Heparin pump with variable syringe size with wide infusion rate (in 0.1 ml/hr increments)
1.15. Wide ultra filtration range (0.1 to 3.5 kg/h) with volumetric control.
1.16. Integrated heat and chemical disinfection facility.
1.17. Online measurement of effective urea clearance (kt/V)
1.18. All important data be pre-settled so that machine can be used without feeding data every time.
1.19. Automatic self test facility.
1.20. High resolution color touch screen with functional keys.
1.21. Appropiate operating voltage for Indian condition with battery backup of at least 30 mins.

2. Accessories

2.1. COMPULSORY accessories, which are must for smooth and safe running of machine must be quoted along with machine including data processing computer and printer if required
.

3. Environmental factor and power supply

3.1. Shall meet general requirements of safety for Electromagnetic Compatibility.
3.2. The machine shall be capable of being stored continuously in wide range of temperature (0-50deg C) and relative humidity (15-90 %).
3.3. Capable of operating in wide ambient temperature (20-30 deg C) and wide relative humidity.
3.4. Power input : 220-240V/ 50 hz AC single phase or three phase fitted with appropriate Indian plugs and sockets.
3.5. Suitable servo controlled stabilizer/CVT/UPS should be supplied, if required.

4. Standard, safety, demonstration, training, warranty and maintenance

4.1. Electrical safety conforms to standard for electrical safety.
4.2. Should be FDA/European- CE/IVD certified.
4.3. The bidder must quaote for **FIVE years** Comprehensive Warranty for complete equipment (including all spare and labour)
4.4. Undertaking by the principals that the spares for the equipments shall be available for at least 10 yr from the date of supply of equipment.
4.5. Company should be in market for at least five year
4.6. Machine should have been supplied in at least 3 major government institution

4.7. Machine demonstration has to be done in the Safdarjung hospital, New Delhi. Time and date of demonstration will be as per department decision.
4.8. Training of hospital staff if required should be done by the manufacturer.
4.9. All the spare parts (Electronic, mechanical, plastic etc) required as such or due to wear and tear should be included in warranty period and in Comprehensive AMC period. Also all parts/component provided locally should balso have to maintain by the company.
4.10. Sole responsibility of warranty and CMC will be parent company.
4.11. Elective visit once a week day as decided by departments.
4.12. Preventive machine maintenance regularly as per machine requirement in Safdarjung hospital, Delhi.
4.13. Response time for acknowledgment for complaint 30 minutes.
4.14. Response time for physical presence within one working day.
4.15. Uptime 355 days in year.

5. Documentations :

5.1. ORIGINAL user and service manual in English to be provided.
5.2. Certificate of calibration and inspection to be provided, if required.
5.3. Attach Original manufacturer's product catalogue and specification sheet.
5.4. Compliance report to be submitted in a tabulated and point wise manner clearly
Mentioning the page/para number of original catalogue/data sheet. Any point , if not substantiated with authenticated catalogue/manual, will not be considered.
5.5. A complete list of institution, where machine has been supplied along with the name designation, mobile and office contact details of the person handling the machine should be provided.
5.6. Machine detail and brochure should also be available on the company website.
5.7. List of important spare parts and accessories with their part number and cost should be provided.
5.8. List of equipments available for providing calibration and routine preventive maintenance
Support , as per manufacturer documentation in service/technical manual should be provided.
5.9. Log book with daily, weekly, monthly and quarterly maintenance checklist should be provided.
5.10. The job description of the hospital technician and company service engineer for maintenance checklist should be provided.
5.11. If some component/ part of machine or its accessories are to be provided by Indian counterpart/agent that should be very clearly defined in the bid and its cost should be clearly separated out.

Haemodialysis Machine (Regular)

1. Technical specifications

1.1. Capable of providing conventional hemodialysis and high flux dialysis

1.2. Facility for acetate, Bicarbonate, dry powder & Sequential Dialysis (Isolated UF)

1.3. Should have appropriate filters for preparation of ultra-pure dialysate, with endotoxin retention capacity of at least 10^6 IU.

1.4. Built in NIBP.

1.5. Na and ultra filtration profiling.

1.6. Audio visiual alarms :

1.6.1. Conductivity and automatic bypass.

1.6.2. Air detection and automatic lamp

1.6.3Temperature and automatic bypass

1.6.4. Water and dialysate flow alarm.

1.6.5. Arterial and venous pressure alarms.

1.6.6. Optical/photo blood leak detector and ultra sonic air detector.

1.7Wide range dialysate temperature selectivity (34 to 39 deg. C)

1.8Variable conductivity setting (13 to 15.7 mS/cm)

1.9Wide dialysate flow rate option (300-700 ml/min with increments of 100 ml/mt).

1.10Wide range blood pump flow option (50-600 ml/min with increment of 10 ml) adaptable to standard, A-V bloodlines.

1.11. Facility to show treatment parameter trends every 15-20 minutes digitally as well as by graph.

1.12. Heparin pump with variable syringe size with wide infusion rate (in 0.1 ml/hr increments).

1.13. Wide ultra filtration range (0.1 to 3.5 kg/h) with volumetric control.

1.14. Integrated heat and chemical disinfection facility.

1.15. Online measurement of effective urea clearance (kt/V).

1.16. All important data be pre-settled so that machine can be used without feeding data every time.

1.17. Automatic self test facility.

1.18. High resolution color touch screen with functional keys.

1.19. Appropriate operating voltage for Indian conditions with battery backup of at least 30 mins.

2. Accessories

2.16.COMPULSORY accessories, which are must for smooth and safe running of machine must be quoted along with machine including data processing computer and printer if required.

3. Environmental factor and power supply

3.16.Shall meet general requirements of safety for Electromagnetic Compatibility.

3.17.The machine shall be capable of being stored continuously in wide range of temperature (0-50deg C) and relative humidity (15-90 %).

3.18.Capable of operating in wide ambient temperature (20-30 deg C) and wide relative humidity.

3.19.Power input : 220-240V/ 50 hz AC single phase or three phase fitted with appropriate Indian plugs and sockets.

3.20.Suitable servo controlled stabilizer/CVT/UPS should be supplied, if required.

4. Standard, safety, demonstration, training, warranty and maintenance

4.1. Electrical safety conforms to standard for electrical safety.

4.2. Should be FDA/European- CE/IVD certified.

4.3. The bidder must quote for **FIVE years** Comprehensive Warranty for complete equipment (including all spare and labour)

4.4. Undertaking by the principals that the spares for the equipments shall be available for at least 10 yr from the date of supply of equipment.

4.5. Company should be in market for at least five year

4.6. Machine should have been supplied in at least 3 major government institution

4.7. Machine demonstration has to be done in the Safdarjung hospital, New Delhi. Time and date of demonstration will be as per department decision.

4.8. Training of hospital staff if required should be done by the manufacturer.

4.9. All the spare parts (Electronic, mechanical, plastic etc) required as such or due to wear and tear should be included in warranty period and in Comprehensive AMC period. Also all parts/component provided locally should balso have to maintain by the company.

4.10. Sole responsibility of warranty and CMC will be parent company.

4.11. Elective visit once a week day as decided by departments.

4.12. Preventive machine maintenance regularly as per machine requirement in Safdarjung hospital, Delhi.

4.13. Response time for acknowledgment for complaint 30 minutes.

4.14. Response time for physical presence within one working day.

5. Documentations :

5.1. ORIGINAL user and service manual in English to be provided.

5.2. Certificate of calibration and inspection to be provided, if required.

5.3. Attach Original manufacturer's product catalogue and specification sheet.

5.4. Compliance report to be submitted in a tabulated and point wise manner clearly Mentioning the page/para number of original catalogue/data sheet. Any point , if not substantiated with authenticated catalogue/manual, will not be considered.

5.5. A complete list of institution, where machine has been supplied along with the name designation, mobile and office contact details of the person handling the machine should be provided.

5.6. Machine detail and brochure should also be available on the company website.

5.7. List of important spare parts and accessories with their part number and cost should be provided.

5.8. List of equipments available for providing calibration and routine preventive maintenance Support , as per manufacturer documentation in service/technical manual should be provided.

5.9. Log book with daily, weekly, monthly and quarterly maintenance checklist should be provided.

5.10. The job description of the hospital technician and company service engineer for maintenance checklist should be provided.

5.11. If some component/ part of machine or its accessories are to be provided by Indian counterpart/agent that should be very clearly defined in the bid and its cost should be clearly separated out.

Reverse Osmosis Water Treatment Plant for Dialysis Machines

1. Description of function

1.1. Supply , erection, commission, testing, operation and maintenance of water treatment plant

Suitable for supplying water for 20 hemodialysis machine and two dialyser reprocessing machine with necessary supportive arrangement like pre-treatment, RO unit, post treatment unit, electrical panel, RO panel, measuring devices etc for the proper functioning of the plant in the hemodialysis unit with the quality of treated water as per AMMI standard.

2. General condition :

2.1. Installation should be on trunkey basis.

2.2. The RO system should be quoted with ***five years warranty*** followed by five year CMC charges.

2.3. All maintenance including spare parts (electrical, mechanical, plastic etc) software consumption should be included in warranty period and in CMC charges.

2.4. Ro unit should be maintain by manufacturer, supplier, ar authorized dealer through skilled staff.

2.5. Water testing (chemical and bacterial) should be included in maintenance and should be done once every six months.

2.6. Only those vendor will be consider having in-house service facility in india.

2.7. All piping (of PEX material) and plumbing work related to unit as per design of unit should be provided by supplier at its cost.

2.8. Manufacturing company should have an installation base of more than 10 RO system in India in which at least 25% of them should be of 1000 litre capacity or more.

2.9. The bidder must submit at least three performance certificates from government hospitals/institutions where a similar RO plant has been installed.

2.10. Tender should be quoted with full quality assurance certificate (EC certificate).

2.11. Company should provide onsite demonstration if deemed necessary.

2.12. Service engineer for repair and maintenance of the system must be person of manufacturing unit.

2.13. Quotation should also include appropriate environmental preparation of the area housing plant.

2.14. Bidder may inspect the propose dialysis unit/building plan of dialysis unit preparing the final quote to assess the amount of work.

2.15. After sales service centre should be available at city of institution on 24 (hrs) X 7(days) X 365 (days) basis. Complaints should be attended properly, maximum within 8 hrs.

2.16. The service should be provided directly by bidder/Indian Agent. Undertaking by the principle that the spare for the equipment shall be available for at least 10 years from the date of supply of equipments.

3. Pre- treatment

3.1. Pre-treatment should have a mesh filter of 50 microns.

3.2. There should be an automatically controlled solenoid valve to fill the raw water tank.

3.3. Raw water tank having food grade quality at least 750 litres capacity to store raw water.

3.4. Sand filter with sand particles of different grade should have fully automatic backwash & rinse cycle every day.

3.5. Particle filter, cartridge filter type of 50 microns & 10 microns.

3.6. Should have build in dual column softener with fully automated digital display, brine fill and clean cycle. It should be also have a brine tank incorporated in the system.

3.7. Carbon filter with fine corbon granules should have fully automatic backwash cycle & rinse cycle every day.

3.8. Should have fine filter, cartridge type of 5 micron & 1 micron.

4. **RO Unit**

4.1. Should be microprocessor based dual RO system which should produce water as per AAMI standard.

4.2. The complete system should be fully programmable.

4.3. Should have inbuilt ability to show conductivity of permeate produced, temperature , yield, permeate output supply.

4.4. Should have 1500 litre/ hour of permeate.

4.5. Should have dynamic water saving technology and rinsing system available.

4.6. Should be facility to upgrade by adding additional membrane to increase capacity.
4.7. Yield setting should be between 50%- 70%.
4.8. Would operate on three phase supply.
4.9. Appropriate online UPS requiredfor RO plant should included in the total cost.
4.10. Should have fully automatic volume controlled disinfection cycle.
4.11. In built capabilities to show on display for permeate (supply in litre/min , temperature) & for raw water (consumption in litres/min & pressure).
4.12. Should have programmable fully automated rinse cycle for membrane wash.
4.13. There should be a provision of OFF line mode and online mode of permeate Supply.
4.14. It should be possible to use permeate supply to run the dialysis machine s directly without collecting permeate to tank.

5. Post treatment system

5.1. Should have appropriate material and shape permeate storage tank of at least 1000 litres capacity with level control system.
5.2. Should have sub-micron bacterial filter of 0.2 microns manually back washable.
5.3. Should have flow indicator of wall mounting type showing litres / min supply and to build back pressure.
5.4. One additional booster pump should be supplied with the system.
5.5. Should have Stainless steel , 316 grade push-pull type stainless connector for water Outlet at dialysis machine connecting points for 25 point.

Positron Emission Tomography/Computed Tomography (PET \CT) Imaging System
1. General
i. A latest technology whole body positron emission tomography system with minimum of 64 rows of detectors acquiring 128 slices per rotation DICOM compatible and true isotropic volume acquisition spiral CT scanner designed for providing volume measurements of metabolic and physiological process using positron emitters , as well as for producing accurate structural and anatomical fusion image and making attenuation maps for CT base attenuation correction . The CT shield be also be able to function as a full CT machine
II. The system should have capability for simultaneous, data acquisition, processing , image reconstruction & analysis and fusion CT image.
III. The system should operate on 22(+10) v A/C , 50HZ or 440V(+20)A/C ,50HZ
iv. Type approval certificate/NOC from AERB , Mumbai for the Quoted model must be attached with the technical bid or else the bid will be summarily rejected .
v. For acceptance of the equipment and to fulfil the AERB required, all the QA test as per NEMA guideline will be done and demonstrated by the company engineer(s) and all the required phantoms will need , to be arranged by the vendor and submit a detailed report in stipulated time frame . the company will also arrange such phantoms during periodical QA test .
vi. All the application, operating and service manuals in English language in duplicates should provide by the vendor at the time of handing over machine.
vii. Any option or added facilities or added facilities not indicated in the specification may also be given. Any improved modification or updated versions of the system can be included in the quotations.
2.**Grantry and detector:**
i. **Gantry should have integrated PET& CT hardware (single Gantry)**
ii. The patient gantry aperture size should be >70cm and uniform for both PET and CT
iii. The PET scanner should employ lutetium based crystals (LSO/LySO) for detecting 511 KeV gamma photons due top positron interaction
iv. PET crystal thickness should be $\geq$20mm
v. Ring diameter should be $\geq$ 80cm
vi. The transverse field of view should be $\geq$50cm
vii. The geometric axial field of view (FOV) as measured from the outer edge s of the crystal must be $\geq$15cm
viii. IT must be capable of acquires 45 or more transverse cross sectional slices, simultaneously without undergoing any axial motion .
ix. The separation (centre to center) between slices acquired simultaneously without any axial motion should be $\leq$5 mm
x. The scanner must have a detection configuration of continuous ring around the patient. It must not have “gaps” of detection or areas of decreased sensitivity around the ring of detection.
Xi. The scanner must have low power laser lines orthogonally mounted on the gantry for patient alignment and auto – contouring . the laser should be mounted in such a ways that the patient can be positioned from either side of gantry and the patient bed.
Integrated cooling system with heat dissipation outside the gantry room.
3**. PERFORMANCE Specifications**
1. All specifications must comply NEMA standards publication nu 2- 2012 or latest performance measurements without altering instruments parameters .QC software to measure these parameter must these parameters must be available in the system .

ii. Axial & transverse spatial resolution must be available in the system
iii. Additional feature that helps to enhance the NEMA spatial resolution values .
iv. System sensitivity≥5cps/KBq
v. Total uniformity should be < 10% and inter slice uniformity <15%
vi. Scatter fraction<10%
vii. Activity at which peak ingle counts occurs (MBq)?
Viii. Peak NEC (kcps)?
viii. Methods of scatter correction
4. **CT specifications**
i. Multi detector ct having minimum of 64 rows of detectors capable of constructing 128 slices per rotation
2. Image slice width should be from <-1mm to 10mm and freely selectable 3. Rotation time should be <_0.5sec
3. Multiple pitch factor settings should be available
4. Low contrast delectability should be at least 4mm @0.3 %on 20 cm CATPHAN phantom
5. High contrast resolution should be v15.0 lp/ cm or better
6. Microprocessor controlled high frequency x- ray generator with output of 70 kw or more tube voltage adjustable from of 80 kv 140 kv anode heat kw or more tube voltage adjustable from of 80 kv – 140 kv , anode heat storage capacity of 6.0 MHU or more , tube current of 20-600 mA, automatic self testing system
5. **Patients bed**
i. Precision bed with low attenuation carbon fiber pallet and minimum sag of the patient table top.
ii. It should be able to bear upto 200 kg patient weight.
iii. The horizontal motion of the patient bed must be electrically motorized and computer controlled with an independent operator control option as well operator controls accessible from both side of the patient must be provide for both horizontal and vertical movements
iv. Full body horizontal length should be >_190 cm & vertical movement between 60-110cm
v. A digital readout of the horizontal and vertical position of the bed must exist and must be located near the aperture controls for the bed to provide ease in positioning .
Vi Lo attenuation ergonomic head holder pediatric pallet / restrain knee- leg support and other accessory pallets
1. A flat table top RT planning should also be supplied with required software
6 Data acquisition workstation independent of of main processing unit having high definition HD) OSEM and time of – flight and any other lasted reconstruction algorithms as a stand ard features the workstation should be of latest specifications at time of shipment
2. PET data acquisition and image reconstruction should be concurrent process
3. If list mode PET data reconstruction should not take more than 90 sec/ bed
Iv. the processing workstation should be high performance Pentium i7 quad core or equivalent with multi tasking operating system having minimum of 8 GB RAM 3 GHz processor speed minimum 1 GB graphic card 1TB or more SCSI hard drive (if less another HDD may be included) optical mouse key board and high resolution flat panel dual view LCD monitor of ->19; size with minimum resolution of 1280*1024.if should also have DVD drive preferably with read / writer facility. It should have both serial and USB ports the computer workstation should be of latest specifications at the time of shipment archival system with 4 tb or more storage capacity

vi. Another workstation with similar configurations (as at iv above)with all standard software (s) to review and report PET /CT and CT
VI. Intercom with user programmable patient instructions system
vii. Communications – Ethernet with TCP/IP protocols and DICOM -3 or latest networking of all possible equipments in the facility with their peripherals and PACS available in the department
7. Data acquisition software
1. Acquisition modes ; acquisition in full 3-d mode must include static whole body dynamic and gated (cardiac & respiratory) acquisition .
2. Acquisition protocols the acquisition program should support pre programmed scan protocols with acquisition and reconstructions parameters and patients information with sample dynamic editing of parameters these parameters would include all information necessary to acquire data on the PET SCANNER (E.G. SCAN DURATION PATIENT INFORMATION BED MOTION) AS WELL AS CINFORMATION NECESSARY FOR RECONSTRUCTION SAME pet ct protocol should be used for contrast ct in single acquisition
3. Whole body acquisition multi bed acquisitions (e.g for the purpose of whole body oncology studies) should advance the bed from one position to the nest automatically
4. Dynamic frame mode acquisition the acquisition set up software must support multi frame acquisition of different (arbitrary) frame duration ,s with no loss of data between frames alternatively list mode acquisition may to be available as standard feature
5. Reconstruction ; image reconstruction should simultaneously start for the acquired image while acquisition is still in process .
6. Time of light and HD must be available for image reconstruction
7. Fully 3-D iterative reconstruction technique should be available as standard protocol
8. Low dose iterative reconstruction algorithm should also be provided
9. Pixel size: The user should have the option to specify the pixel size for reconstruction . the reconstruction program should support reconstruction in images sizes of at least 128x128 or higher.
10. Scatter correction : scatter correction must be provided based on scan of the actual patient whose scan is being corrected and processed automatically
8. **Clinical application software**
1. Software for data collection, CT based attenuation correction, reconstruction of image for co- registration , full 3-D prospective reconstruction with iterative scatter correction, advance 3-D scatter correction ,MIP ,whole body acquisition< dynamic acquisition
2. System management software for computerized calibration < quality control for all scanner performer parameters, diagnostics and administration of the patient's record
3. Software for PET/CT/MRI/SPECT fusion &any other multimodality. It should be able to process the important data from other modality installed at other location
4. Processing workstation should have image comparison software for the baseline and follow –up studies.
5. Processing workstation should have viewing and processing software for dynamic acquisition data
6.provision to make DICOM/PDF/JPEG/AVI/MPEG digital output .
7. Latest advanced CT radition dose reduction technology and software that should offer higher speed image reconstruction .
8. 4-D TOF or better , respiration gating software and hardware for PET/CT

acquisition and processing should be a standard feature
9. System must have neuro quantification software for neurological applications including assessment of dementia by measuring relative SUV.
10. Complete cardiac package with ECG gated studies (prospective and retrospective tagging) and ECG gates dose modulation
11. Dedicated licensed latest version of Emory cardiac toolbox including optional software (3.05suite /latest version)
12. Advanced CT applications software for coronary imagine vessel analysis coronary tree extraction calcium scoring for coronary arteries one touch volume rendering of the whole heart ct coronary and PET/SPECCT MPI cardiac fusion
13. On site remote service diagnostic facility white wifi connection
14. All future software upgrades during warranty period and CMC shall be free of cost
9. Peripherals / accessories;
1. A3 phase input / output ups (approved make) with maintenance free batteries (Exide, Amrom, Base, Yuasa) for the complete system including ct with minimum 30 min backup at full load should be provided one extra set of batteries of reputed make (for the ups)to be supplied after 2-3 years
2. Latest dual head pressure injector compatible with ct and 200 sets of 200 ml disposable ct syringes with tubing and connector
3. ECG gating device & necessary electronics to enable gated cardiac acquisition with ECG print out facility
4. Required phantoms for ct& pet quality assurance and system calibration including one nema phantom 5. Dry laser camera with facility of taking printout on film size at least 14.17'with 200 films of 14.17: included
5. High resolution color laser printer for color hard copy on paper with 5 sets of all cartridges
6. One stainless steel side trolley in the pet /ct room
7. One crash cart trolley
8. One electrical weighing machine for measuring up to 200 kg.
9. Two x-ray led illuminators for 2 films view of 14'.17' size and one x-ray led illuminators for 4 films view of 14.17 size
10. One vital sign monitor
11. 3.6 foot lead glass (>_2mmlead equivalent)for pet radionuclides
12. Tools (hardware &software) for pet / ct guided tissue biopsy
13. Dehumidifier for PET/CT room
14. Mounted laser system for RT planning
10. Hot Lab & Monitoring equipments
1. One SS trolley in injection room with a provision to mount l- bench for PET radionuclides and placing dose calibrator in it
2. Two dose calibrators for PET radio pharmaceuticals (Atomlab 500 dose calibrator or equivalent) including radioactive reference \ quality control sources and dose calibrator shielding rings (2.25;thick lead
3. Tow l- bench with lead glass for handling PET RPS
4. One pet dose drawing system \ module for drawing F-18 /FDG from a vail in to a syringe (Biodex or equivalent)
5. 40 painted lead bricks and 8 lead corners for f- 18 handling .
6. There waste bins with minimum 12 mm led on all side for PET RPS waste
7. Two numbers each vbial shields for 10ml and 30ml

8. Tungsten syringe slide (for pet rps) (>_9mmtungsten) 2cc & 5cc 2 no each
9. Four lead shielded syringe carrier for F-18 FDG – Two for single dose and two for multiple doses.
10. Shielded syringe holder - six no. (two each for 2ml, 5ml & 10ml)
11. Two digital µ Sv/hr range GM based survey –cum – contamination monitors
12. Digital area zone monitors with built in GM Gamma Detector for continuous monitoring four numbers .
13. Five digital pocket dosimeters (digital) gamma & beta
14. Pet sharps container 2.no
15. One decontamination kit
16. Radiation detection alarms two no.
17. Digital temperature and humidity control system two no
18. Light weight radiation protection aprons five no
19. High energy shielded decay drum (shielded with 0.5 lead for high energy isotopes) two no
20. Any other essential accessory not mentioned in the list should also be quoted and supplied
The make and model of all the instruments mush be mentioned
11. Other /turnkey / warranty
1. The supplier shall be required to undertake all the interior work in the PET/CT rooms and PET laboratory area as per the regulatory requirements
2. The complete system should have a guarantee \ warranty including the radioactive reference source crystals detectors and CT x- ray tubes replacement for a period of five years after the satisfactory commissioning and handing over of the equipment
3. Comprehensive maintenance contract for whole system including spares such as CT x-ray tube replacement as and when required and accessories for a period of FIVE years after the expiry of warranty period should be quoted separately. This would be taken into consideration for deciding L-1 The peripherals /accessories electronic / electrical consumables (leads, probes, batteries etc.) phantom source and calibration sources and batteries of UPS will also form part of the warranty and CMC. Services, repair & maintenance of all third party items will be the sole responsibility of primary vendor.
4. At least 95% uptime (24x7) should be maintenance during warranty as well as CMC period. If the specified uptime is not achieved, the warranty period will be extended by double the number of days for which guaranteed up-time period criteria was not met/penalty may be levied as per discretion of the hospital
5. On site training by trained engineers and application specialists for at least 2 weeks period.
6. The company must ensure spares of the whole system for a period of 10 years from the date of installation.
7. After sale service to be available locally with the availability of the onsite engineer.

Fully Automated Clinical Chemistry Analyzer

1. Fully automated, discreet, Multi-Channel, Random, access clinical chemistry analyzer with ISE . System should be single unit workstation and not smaller throughput units joined together.
2. Assay modes : photometric end point, kinetic , indirect, ISE bichromatic and immunoturbidimetric, Latex agglutination.
3. Throughput : Minimum 1800 photometric tests/ hour and minimum 600 ISE tests/hour. Combined throughput should be minimum 2400 tests/hr.
4. Sample type-plasma, serum, urine, CSF and other fluids analysis facility.
5. Sample loading : Atleast 400 sample positions with continuous loading.
6. The system should be able to take samples from primary / secondary tubes, cups.
7. System should have automatic rerun, automatic reflex testing and have facility for continuous loading of stat sample without interrupting the routine run.
8. Photometer: multi-wavelength diffraction grating based photometric system with wavelength ranging form 340-800 nm.
9. Lamp source : halogen/ Xenon lamp.
10. Bar code Reading facility for samples and reagents.
11. Sample and reagent probe: Separate probes for sample and reagents.
12. Sample probe : must have liquid level detector/sensor and independent washing facility. Also probe crash detection and sample clot detection facility should be there. It should use <25µl sample in 0.1µl increment.
13. Reagent probe : probe must have liquid level detector/sensor and independent washing facility with probe crash detection facility.
14. Reagent compartment should be refrigerated.
15. Cuvettes : Permanent hard glass / quartz cuvettes/plastic cuvettes with onboard washing facility.
16. Onboard parameter test : Minimum 50 onboard photometric parameters.
17. Should have pre & post auto dilution samples and re-run capability for out of range samples. Also there should be facility for serial dilutions in multipoint calibaration.

Computer System

1. Personal computer having window XP, Pentium IV processor, DVD-RAM , with touch screen colour monitor, with key board and printer etc.
2. Quanlity control: real time, individuals and cumulative quality control with automatic QC programming with L-J graphs . Printing of QC chart & reports.
3. **Software :**
   - **i)** Compatible, programmable windows based user friendly software with comprehensive data processing and management system.
   - **ii)** Graphical user interface software for unidirectional and bidirectional
   - **iii)** LIS and HIS capability. It should also be able to link to complete teleservice functioning for QC data / calibration data downloading.
   - **iv)** Complete backup of data base for calibration, control and patient Sample result.
   - **v)** At least 1,00,000 patient result storage and multitasking facility computer.

Water purification unit:

1. All vendor should supply the compatible water treatment plant for instrument along with necessary plumbing and adequate size storage tank. They will have to check hospital's water quality before supplying water plant.
2. All related plumbing for whole instrument with suitable diameter pipes for input as well as drain water should be done by the company . Also suitable stand for water purification system and storage tank should be provided.

UPS

Equipment should be supplied with compatible online UPS for entire machine with at least 30 min battery backup.

Reagent, kits , Accessories :

1. Manufacturer must be manufacturing the reagents/kits needed for the machine
2. Assured supply of spares and consumables for 10 years atleast.

Other General Conditions:

1. Should have US and European FDA/CE approved certification.

2. Comprehensive and full training of all user by suppliers for operating the equipment at installation point. The firm should provide all necessary pre requisites and startup kits with required calibrators , control, and other accessory reagent for at least 15 parameters (or more if required) for installation demonstration and training as follows Glucose , Urea , Creatinine, S. Bilirubin Total and direct ALT , AST, ALP, Total Protein and Albumin , Total cholesterol, HDL cholesterol and Triglycerides from Lipid Profile Electrolytes and any multipoint calibration test (like Lp 'a')

Apart from this purpose , 3 kit each of above said parameter should also be provided for running patients' test.

Kit for chemoluminescence for this purpose should be at least for following parameters:

T3, T4, TSH, Vit D, Troponin, hs CRP, Insulin, C-peptide, AFP , IL-6 (to cover hormones tumour marker , cytokines etc)

3. Models quated should be latest on production line of maniufacturer and manufacturer's certificate for this should be provided.

4. Logbook with instruction for daily , weekly, monthly, and quarterly maintenance checklist. The job description of the Hospital technician and company service engineer be clearly spelt out.

5. Complete circuit diagram and service manual and operating manual must be provided. User/ technical/ maintenance manuals to be supplied in English. Supplier must provided original documentary proof of date and place of manufacturing of supplied equipment.

6. Certificate of calibration and inspection.

7. Installation and satisfactory functioning reports of at least last 1 Year.

8. Should be capable of up gradation and/or onsite integration if required.

9. Site preparation while installation apart form plumbing etc.

10. Comprehensive warranty for 5 year and next 5 year CMC after warranty which will include all above A, B, C, D, E and F component with all consumable , batteries , filter , cells , bulbs etc.

11. Compliance report Performa (Mandatory) : Compliance report to be submitted and point wise manner clearly saying 'Yes/No' in the compliance proforma also clearly mentioning the page/para number of original catalogue/data sheet against 'Yes' in brackets for easy reference for the JPC. In the absence of compliance report , tender will be summarily rejected. The compliance report should be signed by Authorised signatory of the Manufacturer/ supplier.

Bio-Chemisrty Auto Analyser 16 channel

Equipment specification for fully automatic random access clinical chemistry analyzer with ISE/IMT module

1. Fully automatic random access system: the instrument should be capable of all routine STAT and special biochemical tests including specific proteins, Therapeutic drug monitoring, drug of abuse, immunoturbidemetric assays and user definable applications in blood, serum and urine.
2. Equipment should have a throughput of not less than 400 tests per hour with ISE/IMT.
3. Must have ISE/IMT unit for Na, K,Cl measurement.
4. Must have self diagnostic tests with error message and online display.
5. Must be programmable for all test menus and state of art work station.
6. Must have built in cooled reagent compartment to maximize reagent stability and have atleast 45 positions for reagents.
7. Must have continuous loading of samples with on board capacity of atleast 50 sample cuvettes/tubes/ cups. Atleast 20 stat positions.
8. Should have pre and post auto dilution of sample and rerun capacity for out of range samples. Should have internal and external cleaning/ washing facility. Should accommodate atleast 50 samples in single run. Probes should be long life atleast 24 months. Calibration must be linear, non linear, factor, exponential, spline, loglogit or with auto diluted series of stock calibrator. Calibrator and control with repeat facility. Reagent refill massage and monitoring.
9. Automatic printout of reports and full patient demographic.
10. Probe dispenser must have level detectors and separate probes for samples and reagent R1 & R2. Cuvette mixing by variable speed atleast two stirrers/ultrasonic mixing for immunoturbidimetry tests. Must typically use between 2-25 micro litre sample. For pediatric samples minimum dead volume of sample cup not more than 20 micro litre. Reading volume 200 microlitre or less. Must have cuvette cleaning facility or with disposable cuvette. Must have minimum water requirement of not more than approx. 20 litres/hr only. Water purification unit to be supplied with the equipment.
11. Should be capable of performing endpoint, kinetic, turbidimetric, homogeneous and bichromatic assay facility.
12. Spectral range 340-760nm by diffraction grating optics/filters.
13. Light source halogen/xenon lamp should be covered under warranty.
14. Extensive data management software: compatible programmable windows based comprehensive data processing and management system. Graphical user interface software, LIMS capability. Complete back up of database for calibration control and patient sample results.
15. Provision for barcode reader facility.
16. Complete service diagram and service manual and operating manual must be provided. Supplier must provide original documentary proof of the date and place of manufacturing of supplied equipment otherwise the equipment will not be accepted by the consignee.
17. Comprehensive and full training of all users by supplier for operating equipment and trouble free maintenance at installation point.
18. System should be supplied with necessary pre requisites and start up kits normal and abnormal QC & calibrators.
19. Please quote all the reagent kits for all the parameters as optional
20. Free reagents and consumables for 500 tests for LFT, KFT & Lipid Profile training & calibration.
21. Must have quality certificate like USFDA & European CE for equipment as well as reagents.
22. Comprehensive and full training of all users by suppliers for operating the equipment at installation point. The firm should provide all necessary re-requisites and setup kits with required calibrators, controls and other accessory reagents for atleast 15 parameters (or more if required) for installation, demonstration and training as follows:

Glucore, Urea, Creatinine, S. Billirubin (Total & Direct), ALT, AST, ALP, Total Protein & Albumin, Total Cholestrol, HDL Cholestrol & Triglycerides from Lipid Profile & Electrolytes and any multipoint calibration test (like LP "a").
23. Models quoted should be latest on production line of manufacturer and manufacturer's certificate for this should be provided.
24. Logbook for instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician & company service engineer should be clearly spelt out.
25. Complete circuit diagram and service manual and operating manual must be provided. User/technical/maintenance manuals to be supplied in English. Supplier must provide original documentary proof of the date and place of manufacturing of the supplied equipment.
26. Certificate of calibration and inspection.
27. Installation & satisfactory functioning reports of atleast last 1 year.
28. Should be capable of upgradation and /or onsite integration if required.
29. Site preparation while installation apart from plumbing etc.
30. Comprehensive warranty for 5 years and next 5 years CMC after warranty which will include all the components with all consumables, batteries, filters, cells, bulbs etc.
31.Compliance report Performa (Mandatory) : Compliance report to be submitted and point wise manner clearly saying 'Yes/No' in the compliance proforma also clearly mentioning the page/para number of original catalogue/data sheet against 'Yes' in brackets for easy reference for the JPC. In the absence of compliance report , tender will be summarily rejected. The compliance report should be signed by Authorised signatory of the Manufacturer/ supplier.
32. Should have pre and post auto dilution of samples and re-run capability for out range samples. Also there should be facility for serial dilutions in multipoint calibration.

Computer System

1. Personal computer having window XP, Pentium IV processor, DVD-RAM with touch screen color monitor, with key board and printer etc.
2. Quanlity control: real time, individuals and cumulative quality control with automatic QC programming with L-J graphs . Printing of QC chart & reports.
3. Software :
   i. Compatible, programmable windows based user friendly software with comprehensive data processing and management system.
   ii. Graphical user interface software for unidirectional and bidirectional
   iii. LIS and HIS capability. It should also be able to link to comp teleservice functioning for QC data / calibration data downloading.
   iv. Complete backup of data base for calibration, control and patient sample result.
   v. At least 1,00,000 patient result storage and multitasking facility computer.

Water purification unit:

1. All vendor should supply the compatible water treatment RO plant for instrument along with necessary plumbing and adequate size storage tank. They will have to check hospital's water quality before supplying water plant.
2. All related plumbing for whole instrument with suitable diameter pipes for input as well as drain water should be done by the company. Also suitable stand for water purification system and storage tank should be provided.

UPS

Equipment should be supplied with compatible online UPS for entire machine with at least 30 min battery backup.

Reagent, kits , Accessories :

1. Manufacturer must be manufacturing the reagents/kits needed for the machine
2. Assured supply of spares and consumables for 10 years atleast.

ABG & Electrolytes Analyzer

A fully automatic, fast, precise blood gas analyzer with following features:

1. Measured parameters: pH, PCO2, pO2, Cl, Na, K, Ca,HCt.
2. Calculated parameters: Std. pH, pCO2, pO2, CH+, HCO3, Std.HCO3, O2 Sat, BEX, BEecf, BB, O2 content, TCO2, all at patient's temperature
3. Sample size: Not more than 100 ul
4. Throughput: 40 samples per hour
5. Readout time: Less than 1 min.
6. Printer: In-built with preferably non-thermal paper
7. Calibration: Automatic in cycle system
8. Display: Digital display on the screen
9. Electrodes: Maintenance free with shelf life not less than 1 year
10. Memory: More than 100 patients memory
11. Should have USFDA/European CE approved product.
12. Manufacturer must be manufacturing reagents/kits needed for the machine.
13. Five years warranty & 5 years CMC.

AUTOMATED URINE ANALYSER

Sr. no.	Technical Specification of Automatic Urine Analyzer
1	Should be able to test minimum of specific gravity, pH, Glucose, Protein, Ketone bodies, Bilirubin, Blood, Nitrates, Leukocytes and urobilinogen, microalbumin, Albumin:Cratinine ratio.
2	Should be able to test at least 500 samples per hour.
3	Should have CE\FDA(US) certification.
4	Should have the capacity of reading strips below ten parameters which must include microalbumin, and Albumin:Cratinine ratio.
5	Should have LCD screen with soft key panel for sample processing as well as display of results.
6	Should have an inbuilt printer to generate printed out reports. Facilities for connection to external printer should also be available.
7	Should have a memory of at least 1000 results.
8	Should be able to communicate to the LIS. Dataoutput in the form of CSV file or any other mode which can be handled by the end user should also be available.
9	Should work on 220V 50Hz power supply.
10	Various urine strip pack size and the rates should be quoted and fixed for a period of 1 yrs.
11	Start up kit of 3000 strips of 10 parameters needs to be provided along with the equipment.
12	5 years warranty & 5 years CMC

Fully Automatic Chemiluminescence Immunoassay Analyser

1. Fully Automated Random Access System: Immunoassay of more than 90 different parameters: all Hormones, all Tumor Markers, all Cardiac markers.
2. System should be able to perform Routine & ST A T assays
3. The Equipment should have a Throughput of not less than 150 tests per hour
4. Should have atleast two Precision Syringes for accurate delivery of Samples and Reagents.
5. System should have continuous Loading of Samples and Reagents. Must also have 15 or more reagent loading at a time.
6. Facility to process various body fluids like serum, plasma, urine etc
7. Facility for detection of clot, bubble, viscosity and inadequate sample.
8. Facility for onboard dilution and reflex dilution for high and abnormal samples.
9. Should have disposable tip sampling system / effective wash technique to prevent carry over
10. At least 15- 20 parameter must be done at one time
11. Inbuilt QC system to monitor the quality of result obtained.
12. Should have the self-diagnosis and error recovery system with on board operation guides for efficient trouble shooting purpose
13. Lot specific calibration facility should be available.
14. Onboard reagent refrigeration should be there
15. To minimize evaporation effects in case of reagents, the reagent bottles should be automatically opened and closed onboard the analyzer after use
16. Equipment must have a integrated Water and Probe Wash system. Centrifugal Washing technique and Automatic reagent level indication by Sensors.
17. Audible and Visual Alarms/Flags for all error messages.
18. System should include startup kits of fT4, fT3, TSH , PSA, B12, folic acid, cortisol, ferritin, CA125 each of 100 test along with calibrators, control & standard accessories for standardization of instrument.
19. The Equipment should have flexible Windows based software, LIS interface and real time system monitoring. Optional Bar Coding & Color Coding with State of the Art Software.
20. The equipment should be managed by a Computer and have RS232 interface, software for control. Data evaluation & management. Extensive QC graphics including L-J plots, QC management. The Specification of the computer should be having a microprocessor of speed not less than 3.0 GHz, 4 GB RAM, 500 GB HDD, scroll mouse, CD/DVD R/W Drive with 17" TFT/LCD Color Monitor with Windows Operating system and compatible Laser jet printer for documentation having minimum 600 DPI resolution, not less than 12 pages per minute speed.
21. Compatible on line UPS with at least one hour battery backup along with appropriate Laser printer.
22. The price of all reagents and consumables should be quoted separately and the price should be frozen for the next 5 years for evaluation purpose.
23. System Configuration Accessories, spares and consumables - List of important accessories and their cost to be mentioned
24. Power Supply - Power input to be 220-240VAC, 50Hz
25. Environmental factors - The unit shall be capable of operating in ambient temperature of 5-40 ° C and relative humidity of less than 70%
26. Standards, Safety and Training - Attach original manufacturer's product catalogue and specification sheet. Photocopy/computer print will not be accepted. All technical data to be supported with original product data sheet. Please quote page number on compliance sheet as well as on technical bid corresponding to technical specifications.
27. Should have USFDA/European CE certification for the system and reagents.
28. Following parameters should be available:

Thyroid Profile: fT4, fT3, TSH, Anti TPO, Anti TG

Fertility Profile: Estrogens, Progesterone, FSH, LH, Prolactin, DHEAS, Testosterone, 17-OHP, BHCG etc.

Metabolic: Insulin, Cortisol, ACTH (preferably), iPTH

Cancer Markers: PSA, fraPSA, CA-125, CA-12, CEA, Alfa Petoprotien

Vitamins: Vit. B12, folate, Vit.D

Cardiac Markers: TropT, TropI etc.

29. Five years warranty & 5 years CMC.

SECTION-VII

GENERAL TECHNICAL SPECIFICATIONS

GENERAL POINTS:

1. **Warranty:**

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

2. After Sales Service:

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

3. Training:

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

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

   a) The cost of Comprehensive Maintenance Contract (CMC) which includes preventive maintenance including testing & calibration as per technical/ service /operational manual of the manufacturer, labour and spares, after satisfactory completion of Warranty period may be quoted for next **5 years** on yearly basis for complete equipment (including X ray tubes, Helium for MRI, Batteries for UPS, other vacuumatic parts wherever applicable) and Turnkey (if any). The supplier shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, but at least once in six months during the CMC period
   b) The cost of CMC may be quoted along with taxes applicable on the date of Tender Opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
   c) Cost of CMC will be added for Ranking/Evaluation purpose.
   d) The payment of CMC will be made on six monthly basis after satisfactory completion of said period, duly certified by end user on receipt of bank guarantee for 2.5 % of the cost of the equipment as per Section XV valid till 2 months after expiry of entire CMC period.
   e) 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.

f) 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.
g) All software updates should be provided free of cost during CMC.
h) Failure of the above [4. e) to 4. g)] by the supplier, may lead to the forfeiture of the Bank Guarantee for Annual CMC.
i) The payment of CMC will be made as stipulated in GCC Clause 21.

Turnkey Works:

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

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

Bidders must take into consideration in its bid, the costs to be incurred for any additional work pertaining to civil, Electrical, Plumbing, sanitary, Radiation protection as per Govt. regulation, furniture, servo stabilizers, U.P.S. etc. required for successful installation testing and commissioning of the Medical Equipment and the "All inclusive lump sum price" should include all such costs, each **Item/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, obtain AERB/BARC approvals and install and commission equipment on "Turn Key basis". Bidders must take into consideration in its bid the costs to be incurred for any additional work viz. Electrical cabling, plugs of suitable ratings from the source, Electrical points of suitable ratings, water connection, water drainage, plumbing, air-conditioning, Radiation protection/shielding, mechanical & allied requirement for the equipment etc. required for successful installation, commissioning and running of the Equipment and the quoted "All inclusive lump sum price" should include all such costs.

Section – VIII
Quality Control Requirements

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

Tender Reference No.
Date of opening
Time
Name and address of the Tenderer:
Note: All the following details shall relate to the manufacturer(s) for the goods quoted for.

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

02 Plant and machinery details
03 Manufacturing process details
04 Monthly (single shift) production capacity of goods quoted for
- a. normal
- b. maximum

05 Total annual turn-over (value in Rupees)
06 Quality control arrangement details
- a. for incoming materials and bought-out components
- b. for process control
- c. for final product evaluation

07 Test certificate held
- a . type test
- b . BIS/ISO certification
- c . any other

08 Details of staff
- a. technical
- b. b skilled
- c. c unskilled

Signature and seal of the Tenderer

Section – IX
Qualification Criteria

1. The tenderer must be a manufacturer or it's authorized Indian Agent. They may authorise their agent as per proforma of Manufacturer authorization form as given in the tender enquiry document to quote and enter into a contractual obligation.

2. (a) The Manufacturer should have supplied and installed in last Five years from the date of Tender Opening, at least 50% of the quoted quantity of the similar equipment meeting major parameters of technical specification which is functioning satisfactorily in Government Hospitals / Private Hospitals / PSU Hospital / UN Agencies. Tenders shall submit Performance Certificate / Installation reports & order copies in respect of the above.

2. (b) The Tenderers quoting as authorized representative of the manufacturer meeting the above criteria 2 (a) should have executed at least one contract in the last five years from the date of tender opening of similar equipment meeting major parameters of technical specification which is functioning satisfactorily, anywhere in India. Tenders shall submit Performance Certificate / Installation reports & order copies in respect of the above.

Note

2. The tenderer shall give an affidavit as per Section-XIX of the TE document.

3. In support of 2(a) & 2(b), the Tenderer shall furnish Performance statement in the enclosed Proforma 'A'.

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

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

4. 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.

5. Tender shall submit audited balance sheets for the last three years. Annual Turnover statements should be certified by chartered accountant bearing their membership No.

6. 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

Medical Superintendemnt & VMMC,
Safderjung Hospital,
New Delhi.

Ref. Your TE document No. _____dated _____

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

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

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

We further understand that you are not bound to accept the lowest or any tender you may receive against your above-referred tender enquiry.
We confirm that we do not stand deregistered/banned/blacklisted by any Govt. Authorities.
We confirm that we fully agree to the terms and conditions specified in above mentioned TE document, including amendment/ corrigendum if any

(Signature with date)

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

SECTION – XI PRICE SCHEDULE

A) PRICE SCHEDULE FOR DOMESTIC GOODS OR GOODS OF FOREIGN ORIGIN LOCATED WITHIN INDIA

1	2	3	4	5							6
Schedule	Brief Description of Goods	Country of Origin	Quantity (Nos.)	Price per unit (Rs.)							Total Price (at Consignee Site) basis (Rs.)
				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	4 x 5(g)

Total Tender price in Rupees: _____

In words: _____

Note: -

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

Name_____

Business Address_____

Place: _____ **Signature of Tenderer**_____

Date: _____ **Seal of the Tenderer**_____

SECTION – XI PRICE SCHEDULE

B) PRICE SCHEDULE FOR GOODS TO BE IMPORTED FROM ABROAD

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

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

Total Tender price in foreign currency: _____

In words: _____

Note: -

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

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

Indian Agency Commission - __% of FOB/FCA

Signature of Tenderer_____

Name_____

Business Address_____

Place: _____

Signature of Tenderer_____

Date: _____

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)]**
			1st	**2nd**	**3rd**	**4th**	**5th**	
			a	**B**	**c**	**d**	**e**	

*** After completion of Warranty period**

NOTE:-

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

Name_____
Business Address_____
Place: _____ **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_____

Place: _____ **Signature of Tenderer**_____

Date: _____ **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

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

Medical Superintendemnt,
Safderjung Hospital & VMMC,
New Delhi.

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
Medical Superintendemnt & VMMC,
Safderjung Hospital,
New Delhi.

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)

.....
(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)]**
			1st	**2nd**	**3rd**	**4th**	**5th**	
			a	**b**	**c**	**d**	**e**	

Total value (in figure) _____ (In words) _____

b) The CMC commence from the date of expiry of all obligations under Warranty i.e. from_____ (date of expiry of Warranty) and will expire on _____ (date of expiry of CMC)

c) The cost of Annual Comprehensive Maintenance Contract (CMC) which includes preventive maintenance, labour and spares, after satisfactory completion of Warranty period may be quoted for next 5 years as contained in the above referred contract on yearly basis for complete equipment (including X ray tubes, Helium for MRI, Batteries for UPS, other vacuumatic parts, ____ & ____) and Turnkey (if any).

d) There will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.

e) During CMC period, the supplier shall visit at each consignee's site for preventive maintenance including testing and calibration as per the manufacturer's service/ technical/ operational manual. The supplier shall visit each consignee site as recommended in the manufacturer's manual, but at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.

f) All software updates should be provided free of cost during CMC.

g) The bank guarantee valid till _____ [(fill the date) 2 months after expiry of entire CMC period] for an amount of Rs. _____ [(fill amount) equivalent to 2.5 % of the cost of the equipment as per contract] shall be furnished in the prescribed format given in Section XV of the TE document, along with the signed copy of Annual CMC within a period of 21 (twenty one) days of issue of Annual CMC failing which the proceeds of Performance Security shall be payable to the Purchaser/Consignee.

h) If there is any lapse in the performance of the CMC as per contract, the proceeds Annual CMC bank guarantee for an amount of Rs. _____ (equivalent to 2.5 % of the cost of the equipment as per contract) shall be payable to the Consignee.

i) **Payment terms:** The payment of Annual CMC will be made against the bills raised to the consignee by the supplier on six monthly basis after satisfactory completion of said period, duly certified by the HOD concerned. The payment will be made in Indian Rupees.

j) **Paying authority:** _____ (name of the consignee i.e. Hospital/ Institute /Medical College's authorised official)

_____

(Signature, name and address of Hospital/Institute/Medical College's authorised official)

For and on behalf of_____

Received and accepted this contract

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

For and on behalf of _____

(Name and address of the supplier)

(Seal of the supplier)

Date: _____

Place: _____

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

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

1) Contract No. & date :_____

2) Supplier's Name :_____

3) Consignee's Name & Address with telephone No. & Fax No. : _____

4) Name of the item supplied :_____

5) Quantity Supplied :_____

6) Date of Receipt by the Consignee :_____

7) Name and designation of Authorized Representative of Consignee :_____

8) Signature of Authorized Representative of Consignee with date :_____

9) Seal of the Consignee :_____

SECTION – XVIII

Proforma of Final Acceptance Certificate by the Consignee

No_____
Date_____

To

M/s _____
_____
_____

Subject: Certificate of commissioning of equipment/plant.

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

(a) Contract No_____ dated_____

(b) Description of the equipment(s)/plants: _____

(c) Equipment(s)/ plant(s) nos.:_____

(d) Quantity: _____

(e) Bill of Loading/Air Way Bill/Railway Receipt/ Goods Consignment Note no_____ dated _____

(f) Name of the vessel/Transporters:_____
(g) Name of the Consignee:_____
(h) Date of commissioning and proving test:_____

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

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

The proving test has been done to our entire satisfaction and operators have been trained to operate the equipment(s)/plant(s).
The supplier has fulfilled its contractual obligations satisfactorily ## or
The supplier has failed to fulfil its contractual obligations with regard to the following:
He has not adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to 'Technical Specifications'.
He has not supervised the commissioning of the equipment(s)/plant(s)in time, i.e. within the

period specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment(s)/plant(s).
The supplier as specified in the contract has not done training of personnel.

The extent of delay for each of the activities to be performed by the supplier in terms of the contract is
The amount of recovery on account of non-supply of accessories and spares is given under Para no.02.
The amount of recovery on account of failure of the supplier to meet his contractual obligations is_____ (here indicate the amount).
Signature
Name
Designation with stamp

Explanatory notes for filling up the certificate:

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

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

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

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

SECTION – XIX
AFFIDAVIT/UNDERTAKING

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

Date:

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

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

SECTION – XX
CHECKLIST
Name of Tenderer:
Name of Manufacturer:

Sl 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?			

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

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

N.B.

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

(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.
	Medical Superintendent, Safderjung Hospital & VMMC, New Delhi	Medical Superintendent, Safderjung Hospital & VMMC, New Delhi

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