TENDER ENQUIRY DOCUMENT

FOR PURCHASE OF
MEDICAL EQUIPMENT
FOR INSTITUTIONS GETTING UPGRADED
UNDER PMSSY PHASE III

On behalf of

GOVT. OF INDIA

MINISTRY OF HEALTH & FAMILY WELFARE

HITES/PCD/PMSSY-III/34/Mix/18-19

Through

HLL INFRA TECH SERVICES LIMITED

(Subsidiary of HLL Lifecare Ltd., a Govt. of India Enterprise)
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INDEX

SECTION I

NOTICE INVITING TENDER (NIT)

Tender Enquiry No.: HITES/PCD/PMSSY-III/34/Mix/18-19 Dated: 09.08.2018

(1) Procurement & Consultancy Services Division of **HLL Infra Tech Services Limited (HITES),** a fully owned subsidiary of HLL Lifecare Ltd. (HLL), for and on behalf of Govt. of India, Ministry of Health & Family Welfare, invites sealed tenders, from eligible and qualified tenderers for supply of Medical Equipment for various departments of Medical Colleges/ Institutes mentioned in this Tender Enquiry Document which are getting upgraded to super-specialities under Pradhan Mantri Swasthya Suraksha Yojna (PMSSY) Phase III:

Sl. No.	Rfx Number	Name of the item	Department	Qty.	Tender Fee inclusive of GST	Earnest Money Deposit
1	3000003223	Surgical Micro Motor System	Burns and Plastic Surgery	9	590	10,800
2	3000003218	Nerve stimulator (intra operative)		4	590	24,000
3	3000003215	Hand held Doppler (vascular)		5	590	15,000
4	3000003212	Battery operated Dermatome		10	2,360	1,00,000
5	3000003216	Maxillo Facial Instrument Set		7	2,360	1,40,000
6	3000003214	Diode Laser		4	3,540	3,20,000
7	3000003222	Skin Graft Mesher		17	2,360	1,70,000
8	3000003221	Powered Liposuction Set		5	3,540	2,50,000
9	3000003217	Nd Yag Laser with IPL		4	3,540	4,80,000
10	3000003220	Pneumatic Tourniquet		26	3,540	5,20,000
11	3000003213	CO2 Laser		9	5,900	12,60,000
12	3000003219	Operating Microscope (Plastic Surgery)		18	5,900	32,40,000
13	3000003233	PD Cycler	Nephrology	4	1,180	64,000
14	3000003301	Arthroscopy System	Orthopedic	4	2,360	4,80,000
15	3000003245	Resuscitation Equipment	Paediatric Surgery	9	590	9,000
16	3000003237	Irradiance Meter for phototherapy		12	590	24,000
17	3000003239	OAE Machine		4	1,180	56,000
18	3000003242	Paediatric neuroendoscope		4	2,360	1,60,000
19	3000003234	Air Oxygen blender		24	590	48,000
20	3000003246	Transcutaneous Bilirubin Analyzer		7	1,180	56,000
21	3000003243	Paediatric URS		4	1,180	80,000
22	3000003238	LED Phototherapy Unit		82	1,180	82,000
23	3000003235	Bubble CPAP Machine		29	3,540	3,48,000
24	3000003236	Cystoscope and Resectoscope - Paediatric		11	3,540	4,40,000
25	3000003244	Pediatric Open Surgical Instruments		18	3,540	7,20,000
26	3000003241	OT Table - (Paediatric)		11	3,540	7,70,000
27	3000003240	Open Care System		151	5,900	24,16,000
28	3000003298	Flexible Rhino-Pharyngo Laryngoscope	ENT	4	1,180	80,000
29	3000003294	Esophagoscopy		4	2,360	1,20,000
30	3000003293	Oscillating saw system and otology drill system		4	2,360	1,60,000
31	3000003292	Operating microscope		4	3,540	6,40,000

Sl. No.	Rfx Number	Name of the item	Department	Qty.	Tender Fee inclusive of GST	Earnest Money Deposit
32	3000003302	Minor OT Table	Surgery	4	1,180	56,000
33	3000003305	Mobile Examination Light		42	590	42,000
34	3000003303	OT light for minor OT		4	1,180	80,000
35	3000003299	Low temperature sterilizer		10	3,540	8,00,000
36	3000003300	ETO sterilizer		10	3,540	6,00,000
37	3000003304	Open Surgery Instruments (Set) for General Surgery		15	5,900	12,00,000
38	3000003206	Oxygen Concentrator	Anesthesia	10	590	8,000
39	3000003208	PCA Pump		10	590	20,000
40	3000003211	Transport Monitor		21	2,360	1,05,000
41	3000003207	Patient Warming System		88	2,360	1,76,000
42	3000003209	Suction Machine		400	3,540	4,00,000
43	3000003210	Syringe Infusion Pump		2000	5,900	20,00,000
44	3000003225	Rotablation Machine	Cardiology	4	2,360	1,07,200
45	3000003224	IVUS		4	3,540	5,20,000
46	3000003227	Surgical LED head light	CTVS	5	590	10,000
47	3000003228	Surgical Xenon head light and light source		4	590	48,000
48	3000003226	Electric operated sternum system		19	1,180	76,000
49	3000003230	Vascular Doppler for coronary Graft		18	3,540	3,60,000
50	3000003229	Ultrasonic Surgical Aspirator/Disscetor(CUSA)		10	3,540	5,60,000
51	3000003231	Insulin Pump with Integrated CGMS	Endocrinology	10	3,540	2,80,000
52	300000323	Endoscopic washer and disinfector system	Medical and Surgical Gastroentrology	6	3,540	2,40,000
53	3000003247	300 mA HF X-Ray Machine	Radiology	16	3,540	2,56,000
54	3000003248	500 mA HF X-Ray Machine		16	3,540	4,80,000
55	3000003291	3D Laparoscopy System	Urology	6	5,900	12,00,000

<u>Note</u>:* Tender processing Fee is inclusive of GST @18% (Our GSTIN: 09AADCH4882R1ZP)

(2) Tender timeline:

Sl. No.	Description	Schedule
a.	Last date for receipt of Pre-bid queries	16.08.2018, 06:00 PM
b.	Pre-bid meeting date, time	17.08.2018, 11:00 AM For Burns and Plastic Surgery, Nephrology, Orthopedic, Paediatric Surgery, ENT, Surgery
		18.08.2018, 11:00 AM For Anaesthesia, Cardiology, CTVS, Endocrinology, Medical and Surgical Gastroentrology, Radiology, Urology
d.	Closing date & time for submission of online bids	18.09.2018, 01:00 PM
c.	Closing date & time for submission of **tender processing fee and EMD in physical form***	18.09.2018, 02:00 PM

Sl. No.	Description	Schedule
e.	Time and date of opening of online bids	18.09.2018, 02:30 PM
f.	Venue for :- • Submission of tender processing fee, EMD in physical form. • Tender Opening-Tech Bid	HLL Infra Tech Services Limited, Procurement & Consultancy Services Division, B-14 A, Sector-62, Noida-201307

* Bidders have to submit Original Bank Instruments for tender processing fee and EMD/ documentary proof for EMD exemption within the above mentioned date and time

SPECIFIC Instructions for e-Tender Participation:-

3. Bidders should have valid Class 3-B Digital Signature Certificate with encryption.
4. Bidders are requested to read the bidders help document on e-tender web site link before proceeding for bidding.
5. The prospective bidders have to register with the E-procurement system of HLL at https://etender.lifecarehll.com/irj/portal. On completion of the registration process, the bidders will be provided user ID and password within 48 hours (excluding non-working days). In order to submit the bids electronically, bidders are required to have a valid Class 3-B Digital Signature Certificate (signing and encryption/ decryption certificates).
6. Post receipt of User ID & Password, Bidders can log on for downloading & uploading tender document.
7. The tenderers shall submit Tender Processing Fee and EMD in physical form at the scheduled time and venue.
8. Tenderer may download the tender enquiry documents from the web site www.hllhites.com or www.lifecarehll.com or www.eprocure.gov.in/cppp or https://etender.lifecarehll.com/irj/portal .
9. The bidders shall submit the required Tender Processing Fee (in form of Demand Draft or Banker's Cheque) and EMD (as per GIT clause no. 19.3) in physical form in favour of 'HLL Infra Tech Services Limited' at the scheduled time and venue. **Tender processing Fee is required from all the bidders irrespective of their registration with NSIC or any other Govt. Organisation**.
10. All the tender related documents to be scanned in .pdf format with lower resolution and 100% readability and submitted online. The bidders shall not submit any other documents in physical form other than the documents mentioned at point no 9 above.
11. Prospective bidders may send their queries 02 (two) days before the pre-bid meeting so that they can be studied and addressed during pre-bid meeting. Query can also be raised during pre-bid meeting. No queries/ representations will be entertained after pre-bid meeting
12. All prospective tenderers may attend the Pre Tender meeting. The venue, date and time indicated above.
13. Bidders shall ensure that their bids complete in all respects, are submitted **online through HLL's e-portal (as described above) ONLY. No DEVIATION is acceptable.**
14. Bidders may simulate bid submission (technical & financial) at least one week in advance of the bid submission deadline. No clarifications/troubleshooting regarding any problems being faced during online bid submission shall be entertained in the last week of bid submission

IMPORTANT NOTE:-

Tender Processing Fee and EMD (as applicable) should be deposited within the scheduled date & time in the Tender Box located at:

HLL Infra Tech Services Limited,
Procurement and Consultancy Division,
B-14 A, Sector-62, Noida-201307, Uttar Pradesh

CEO
HLL Infra Tech Services Limited

SECTION - II

GENERAL INSTRUCTIONS TO TENDERERS (GIT)

CONTENTS

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 Ministry of Health & Family Welfare Govt. of India.

(ii) **"e-Tender"** means Bids / Quotation / Tender received from a Firm / Tenderer / Bidder online.

(iii) **"Tenderer"** means Bidder/the Individual or Firm submitting Bids/Quotation/e-Tenders.

(iv) **"Supplier"** means the individual or the firm supplying the goods and services as incorporated in the contract.

(v) **"Goods"** means the articles, material, commodities, livestock, furniture, fixtures, raw material, spares, instruments, machinery, equipment, medical equipment, industrial plant etc. which the supplier is required to supply to the purchaser under the contract.

(vi) "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.

(vii) "Earnest Money Deposit" (EMD) means Bid Security/ monetary or financial guarantee to be furnished by a tenderer along with its tender.

(viii) "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.

(ix) "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.

(x) "Consignee" means the Hospital/Institute/Medical College/ 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.

(xi) "Specification" means the document/standard that prescribes the requirement with which goods or service has to conform.

(xii) "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.

(xiii) "Day" means calendar day.

(xiv) "Local supplier" means a supplier or service provider whose product or service offered for procurement meets the minimum local content as prescribed under this Order or by the competent Ministries/ Departments in pursuance of this order.

(xv) "Local content" means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value in percent.

(xvi) Margin of purchase preference' means the maximum extent to which the price quoted by a local supplier may be above the L1 for the purpose of purchase preference.

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) "CD" means Custom Duty
(xvii) "RR" means Railway Receipt
(xviii) "BL" means Bill of Lading
(xix) "FOB" means Free on Board
(xx) "FCA" means Free Carrier
(xxi) "FOR" means Free On Rail
(xxii) "CIF" means Cost, Insurance and Freight
(xxiii) "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.
(xxiv) "DDP" means Delivery Duty Paid named place of destination (consignee site)
(xxv) "INCOTERMS" means International Commercial Terms as on the date of Tender Opening
(xxvi) "MOH&FW" means Ministry of Health & Family Welfare, Government of India
(xxvii) "Dte. GHS" means Directorate General and Health Services, MOH&FW.
(xxviii) "CMC" means Comprehensive maintenance Contract (labour, spare and preventive maintenance)
(xxix) "RT" means Re-Tender.
(xxx) "GST" means Goods and Services Tax

2. Introduction

2.1 The Purchaser has issued these TE documents for purchase of goods and related services on behalf of MoHFW, Govt of India 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 bidders in preparation and submission of bids. 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, 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. e-TENDER ENQUIRY DOCUMENTS

8. Content of Tender Enquiry Documents

8.1 In addition to Section I – "Notice inviting e-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 – Consignee List
Appendix A – DIPP – Public Procurement (Preference to Make in India), Order 2017
Appendix B – Integrity pact

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 writing by registered/speed post or by fax/telex/e-mail, to all prospective tenderers, who have received the TE documents and will be binding on them.

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 their letter head duly signed and scanned through email to pcd@hllhites.com and bmenoida@hllhites.com. The purchaser will respond to such request provided the same is received by the purchaser **within the due date mentioned in the NIT**. **Any queries/ representations received later shall not be taken into cognizance.**

C. PREPARATION OF e-TENDERS

11. Documents comprising the e-Tender

11.1 The tender(s) shall only be submitted online as mentioned below:

(i) Technical Bid (Consisting of Techno-Commercial bids in excel format provided with the tender enquiry along with the supporting documents i.e. scanned copies of Tender Processing Fee, EMD, Eligibility Criteria & Technical Specifications viz. Product Specification Sheets/ Brochures, OEM Certificate, etc.) has to be attached in the C-folder of e-tendering module. Bidders have to ensure that the documents uploaded in pdf format are legible.

(ii) Price Bid has to be submitted in the prescribed excel format provided with the tender enquiry.

Note:

(i) The Tender Processing Fee and EMD, in favor of HLL Infra Tech Services Ltd, are to be submitted in physical form as per Section - I, Notice Inviting Tender, of this tender enquiry.

(ii) The bidders have to follow the steps listed in *Bidding Manual – Attachment Mode* available in the *Bidder Help Documents* of e-tender portal login screen for uploading the Techno-Commercial Bid.

A) Details of Technical Tender (Un priced Tender)

Bidders shall furnish the following information along with technical tender:.

i) Techno-Commercial Bid in excel format provided with the tender enquiry

ii) Earnest money Deposit (EMD) 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.

iii) Tender Form as per Section X (without indicating any prices).
iv) 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.
v) Tenderer/Agent who quotes for goods manufactured by other manufacturer shall furnish Manufacturer's Authorization **strictly as per the prescribed format (Section - XIV).**
vi) Power of Attorney issued by Competent Authority in favour of the person **who is digitally signing/ uploading the tender(s).**
vii) 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.
viii) Performance Statement as per section IX along with relevant copies of orders and end users' satisfaction certificate.
ix) Price Schedule(s) as per Section XI filled up with all the details including Make, Model etc. of the goods offered with prices blank (without indicating any prices).
x) Certificate of Incorporation.
xi) Self-Attested copies of GST registration certificate and PAN Card.
xii) Non conviction /no pending conviction certification issued by Notary on judicial stamp paper for preceding three years.
xiii) Self-Attested copies of quality certificates i.e. US FDA /CE/ BIS Certificate issued by competent authority, if applicable.
xiv) Documentary evidence stating the status of bidder.
xv) List of procurement agencies of repute to which the tendered product have been supplied during last 12 months.
xvi) Self-attested copies of annual report, audited balance sheet and profit & loss account for preceding three years from the date of tender opening.
xvii) Notarized affidavit that tenderer does not have any relation with the person authorized to evaluate technically or involve in finalizing the tender or will decide the use of tendered items.
xviii) A self-declaration on Rs. 10/- non-judicial Stamp Paper that the rates quoted in the tender are the lowest and not quoted less than this to any Government Institution (State/Central/ other Institute in India).
xix) Copies of original product catalogues/ data sheet must be enclosed of all quoted items.
xx) A self-declaration on Rs. 100/- non-judicial Stamp Paper that the goods offered in the tender are new and unused
xxi) ***The Integrity pact (At Appendix-B) shall be a part and parcel of this document and has to be signed by bidder(s) at the pre-tendering stage itself, as a pre-bid obligation and should be submitted along with the Techno-Commercial Bids. All bidders are bound to comply with the integrity pact clauses. Bids submitted without signing the integrity pact will be ab initio rejected without assigning any reason.***

B) <u>Price Bid:</u>

Prices are to be quoted in the prescribed Price Bid format in excel provided along with the tender enquiry in the e-tender portal. The price should be quoted for the accounting unit indicated in the e-tender document.

<u>Note</u>:

(i) **The bidder has to be diligent while filling up the Techno-Commercial Bid and Price Bid provided in excel formats and must not tamper with the contents of the sheets.**
(ii) It is the responsibility of bidder to go through the TE document to ensure furnishing all required documents in addition to above, if any.

(iii) The bidders have to follow the steps listed in *Bidding Manual – Attachment Mode* available in the *Bidder Help Documents* of e-tender portal login screen for uploading the Price Bid.

11.2 A person signing (manually or digitally) the tender form or any documents forming part of the contract on behalf of another shall be deemed to warrant that he has authority to bind such other persons and if, on enquiry, it appears that the persons so signing had no authority to do so, the purchaser may, without prejudice to other civil and criminal remedies, cancel the contract and hold the signatory liable for all cost and damages.

11.3 A bid, which does not fulfill any of the above requirements and/ or give evasive information/reply against any such requirement, shall be liable to be ignored.

11.4 Tender sent by fax/telex/cable shall be ignored.

12. Tender currencies

12.1 The tenderer supplying indigenous goods or already imported goods shall quote only in Indian Rupees (INR).

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 Japanese Yen. As regards price(s) for allied services, if any required with the goods, the same shall be quoted in Indian Rupees only (INR), 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 currency may not be accepted and are liable to be ignored.**

12.4 A tenderer quoting imported goods located within India shall produce documentary evidence of the goods having been imported and already located within India (i.e. Bills of Entry for the quoted items and a self-declaration confirming that the quoted items were imported for the purpose of storage in bidder warehouse and for further sale), along with their techno-commercial bid.

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.

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. 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.

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, Custom Duty and/or GST 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 taxes and duties including Custom duty and/or GST, 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), Loading & Unloading etc. 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 Site Modification Work (if any), as mentioned in List of Requirements, Technical Specification and Price Schedule.
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) 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), custom cleareance, forwarding and handling 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. 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 charges for Incidental Services, as in the List of Requirements and Price Schedule;
e) The prices of Site Modification Work (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.

13.5 **Additional information and instruction on Duties and Taxes:**

13.5.1 If the Tenderer desires to ask for GST or any other taxes 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 taxes and no claim for the same will be entertained later.

13.5.2 **Local Duties & Taxes, if any applicable:**

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. The purchaser should issue the certificate to the supplier within 21 days from the date of receipt of request from the supplier.

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.

13.5.3 **Customs Duty:**

The Purchaser will pay the Customs duty wherever applicable upon actual production of documentary evidence.

13.5.4 **Goods and Services Tax (GST):**

a. If a tenderer asks for Goods and Services Tax to be paid extra, the rate and nature of Goods and Services Tax applicable should be shown separately. The Goods and Services Tax will be paid as per the rate at which it is liable to be assessed or has actually been assessed provided the transaction is legally liable to Goods and Services 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.

b. In case within the delivery period stipulated in the contract, there is an increase in the statutory taxes like GST, Custom Duty, or fresh imposition of taxes which may be levied in respect of the goods and services specified in the contract, reimbursement of these statutory variation shall be allowed to the extent of actual quantum of taxes paid by the supplier. This benefit, however, cannot be availed by the supplier in case the period of delivery is extended due to unexcused delay by the supplier.

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 and/or GST or any other duty or tax or levy or on account of any other grounds. In case of downward revision in taxes/duties, the actual quantum of reduction of excise duty must 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.

13.6 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) As per the Compulsory Enlistment Scheme of the Department of Expenditure, Ministry of Finance, it is compulsory for Indian agents, who desire to quote directly on behalf of their foreign principals, to get themselves enlisted with the Central Purchase Organization (eg. DGS&D).

b) The complete name and address of the Indian Agent and its permanent income tax account number as allotted by the Indian Income Tax authority.

c) The details of the services to be rendered by the agent for the subject requirement.

d) Details of Service outlets in India, nearest to the consignee(s), to render services during Warranty and CMC period.

e) A copy of agreement between the Agent & their principal detailing the terms & conditions as well as services and after sales services as above to be rendered by the

agent and the precise relationship between them and their mutual interest in the business as laid out in section VII (Technical specifications).

f) Principal's/Manufacturer's original Proforma Invoice with the price bid

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. Bidders are requested to quote BOQ wise unit price **(uniform unit prices must be quoted for same BOQ items across India)** and total price. If a firm quotes NIL Charges/ consideration, the bid shall be treated as unresponsive and will not be considered

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.

16.3 If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product. In a tender, either the Indian Agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender.

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.

d) Deleted.

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 A (i) 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 as Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) or with National Small Industries Corporation, New Delhi shall be eligible for exemption from EMD. In case the tenderer falls in this category, it should furnish copy of its valid registration details (with MSME or NSIC, as the case may be).

a) The MSE's Bidder to note and ensure that nature of services and goods/items manufactured mentioned in MSE's certificate matches with the nature of the services and goods /items to be supplied as per Tender.
b) Traders/resellers/distributors/authorized agents will not be considered for availing benefits under PP Policy 2012 for MSEs as per MSE guidelines issued by MoMSME.

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

i) Account Payee Demand Draft
ii) Fixed Deposit Receipt
iii) Banker's cheque and
iv) Bank Guarantee

19.4 The demand draft or banker's cheque or Fixed Deposit Receipt shall be drawn on any scheduled commercial bank in India or country of the tenderer, in favour of the "**HLL Infra Tech Services Limited**" payable at New Delhi. In case of bank guarantee, the same is to be provided from any scheduled 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 and the same should be submitted along with the bid.

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, who may not agree to extend its tender validity after the expiry of the original validity period the EMD furnished by them shall not be forfeited.

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. Digital Signing of Tender

21.1 The tenderers shall submit their tenders as per the instructions contained in GIT Clause 11. Tenders shall be uploaded with all relevant tender documents in the prescribed format. The relevant tender documents should be uploaded by an authorised person having Class 3 digital signature certificate.

D. SUBMISSION OF TENDERS

22. Submission of e-Tenders

22.1 The tender shall be submitted online only.

(i) Pre-qualification and Technical compliance along with the Techno-Commercial Bid in excel format:

a) Scanned copies of tender processing fee and EMD
b) 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).
c) Tender Form as per Section X.
d) Compliance of all terms and conditions of TED like- warranty, CMC, delivery period, delivery terms, payment terms, Liquidated Damages Clause, Arbitration clause, etc
e) Declaration regarding Fall Clause and Deregistration, debarment from any Govt Dept/ Agencies
f) Copy of PAN.
g) Certificate of Incorporation/ or a Declaration in case the firm is being a proprietary firm.
h) Abridged Annual report of last 03 years (Balance sheet and Profit & Loss Account) completed till December 2017, in pdf format.
i) Name, address and details of account with respect to bidder and/or beneficiary of L/C.
j) Quality Control Requirements as per Section VIII
k) Performance statement along with required PO copies and its corresponding end user's satisfactory performance certificate as per section IX.
l) Technical Bid along with clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications along with product catalogue and data sheet in the tender enquiry.
m) The bidder should submit blank proforma invoice from the foreign manufacturer along with his technical bid, duly mentioning the specifications and code number of the parts quoted.
n) The original proforma invoices from the foreign principal will be applicable in case of 100% subsidiary companies incorporated in India also.

o) In case the bidder quotes an equipment of a foreign manufacturer and submits the documents as per Clause 22.1 (i) l & m from the subsidiary company of the foreign Original Equipment Manufacturer in India, the bidder must submit the Power of Attorney given to the subsidiary company by the foreign Original Equipment Manufacturer, authorizing it to do business and perform all obligations for and on behalf of the foreign manufacturer company, in India.

p) A self-declaration on Rs. 100/- non-judicial Stamp Paper that the goods offered in the tender are new and unused.

q) ***The Integrity pact (At Appendix-B) shall be a part and parcel of this document and has to be signed by bidder(s) at the pre-tendering stage itself, as a pre-bid obligation and should be submitted along with the Techno-Commercial Bids. All bidders are bound to comply with the integrity pact clauses. Bids submitted without signing the integrity pact will be ab initio rejected without assigning any reason.***

(ii) <u>PRICE BID (ONLY ONLINE):</u>

a) The tenderers must ensure that they submit the Price Bid in prescribed format uploaded along with the tender enquiry. It is the responsibility of the bidder to ensure that the contents of the format are not tampered.

b) The tenderers must ensure that they submit the on-line tenders not later than the closing time and date specified for submission of tenders.

c) Along with price bid recent purchase order copies for the same model and technical configuration issued by institute of National importance and/or reputed central/state government hospitals should be uploaded in pdf form for reasonability of the offered price.

d) The bidder should submit the copy of original proforma invoice from the foreign manufacturer along with the price bid.

e) The supplier shall justify the present quotes based on previous purchase orders for similar project executed either in India or Globally. If they quote any new model or upgraded version of earlier model, they may mention the same in their tender.

22.2 The tenderers must ensure that they submit the on-line tenders within the scheduled closing date & time. They shall also ensure to submit the original Tender Processing Fee and EMD within its scheduled date & time.

23. Late Tender:

23.1 There is NO PROVISION of uploading late tender beyond stipulated date & time in the e-tendering system. However, if the necessary Tender Processing Fee and EMD in original are not submitted within the scheduled time, the tender shall be declared as late tender and online tender shall not be opened and shall be ignored.

24. Alteration and Withdrawal of Tender

24.1 The tenderer is permitted to change, edit or withdraw its bid on or before the end date & time of bid opening.

E. TENDER OPENING

25. Opening of Tenders

25.1 The purchaser will open the e-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 This being a Two - Tender system, 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.

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 and, whether the documents uploaded are in legible form.

27.2 The Purchaser's determination of a Tender's responsiveness is to be based on the contents of the tender itself without recourse to extrinsic evidence

27.3 Deleted

27.4 The tenders will be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions etc. as prescribed in the TE document. The tenders, which do not meet the basic requirements, are liable to be treated as non-responsive and will be summarily ignored.

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

(i) Tender validity is shorter than the required period.

(ii) Required EMD or its exemption documents have not been provided.

(iii) 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.

(iv) Poor/ unsatisfactory past performance.

(v) Tenderers who stand deregistered/banned/blacklisted by any Govt. Authorities.

(vi) Tenderer is not eligible as per GIT Clauses 5.1 & 17.1.

(vii) Tenderer has not quoted for the entire quantity as specified in the List of Requirements/ BOQ for the quoted schedule.

(viii) Tenderer has not agreed to other essential condition(s) specially incorporated in the tender enquiry, like delivery terms, delivery schedule, terms of payment, liquidated damages clause, warranty clause, dispute resolution mechanism applicable law.

(ix) A tenderer quoting imported goods located within India shall produce documentary evidence of the goods having been imported and already located within India (i.e. Bills of Entry for the quoted items and a self-declaration confirming that the quoted items were imported for the purpose of storage in bidder warehouse and for further sale), along with their techno-commercial bid.

28. Minor Informality/Irregularity/Non-Conformity

If during the preliminary examination, the purchaser find any minor informality and/or irregularity and/or non-conformity in a tender, the purchaser may waive the same provided it does not constitute any material deviation and financial impact and, also, does not prejudice or affect the ranking order of the tenders. Wherever necessary, 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

Not applicable being e-Tender.

31. Qualification Criteria

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

31.2 The Purchaser reserves the right to relax the Norms on Prior Experience for Start-ups and Micro & Small Enterprises in Public Procurement.

The Start-ups are defined in Annexure-A of the "Action Plan for Start-ups in India". The same is available on the website of Department of Industrial policy and Promotion (DIPP), Ministry of Commerce & Industry.

The Notification is available in the below link:

http://www.finmin.nic.in/the_ministry/dept_expenditure/ppcell/RelaxNorms_StarupMedEnterprise25072016.pdf

The FAQs are available in the below link:

http://dipp.nic.in/English/Investor/startupindia/FAQs_StartupIndia_30March2016.pdf

Note:- Definition of Startup (only for the purpose of Government schemes)

(Ref: Ministry of Finance Office Memorandum No. F.20/2/2014-PPD(Pt.) dated 25th July 2016.)

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 In case the List of Requirements contains more than one schedule, the responsive 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 Duty Paid (DDP) consignee site basis. The quoted Site Modification Work prices and Comprehensive Annual Maintenance charges (CMC) prices will also be added for comparison/ ranking purpose for evaluation. **"Net Present value (NPV) of the actual CMC price quoted for the required CMC period after the warranty period shall be considered for bid comparison and the NPV will be calculated after discounting the quoted CMC price by a discounting factor of 10% per annum."**

35. Additional Factors and Parameters for Evaluation and 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, GST or any other taxes 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.

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.

ii. 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 L 1 price, in a situation where L 1 price is from someone other than an 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 L 1 price, the 4% quantity earmarked for MSEs owned by SC/ST entrepreneurs will be met from other participating MSEs.

iii. 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 an MSE, failing which their tender will be liable to be ignored.

Note: If the bidder is an MSME, it shall declare in the bid document the Udyog Aadhar Memorandum Number issued to it under the MSMED Act, 2006. If an MSME bidder do not furnish the UAM Number along with bid documents, such MSME units will not be eligible for the benefits available under Public Procurement Policy for MSEs Order 2012.

35.4 **Preference to Make in India**: As per the order issued by Department of Industrial Policy and Promotion (DIPP) vide No. P-45021/2/2017-BE-II dated 15.06.2017; the purchaser reserves the right to give preference to the local supplier. A copy of this order is enclosed at **Appendix-A** which will form a part of this TED for evaluation and ranking of bids. A local supplier (definition of 'local supplier' is given in clause 2 of the aforesaid order of DIPP) has to submit the following along with their tender(s) failing which their bid will be evaluated without considering such preference mentioned in the DIPP order dated 15.06.2017:

a. The local supplier at the time of tender, bidding or solicitation shall be required to provide self-certification that the item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made.

b. In cases of procurement for a value in excess of Rs. 10 crores. the local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.

The DIPP has notified a Public Procurement (Preference to Make in India) Order, 2017 vide Order no P-45021/2/2017-B.E-II dated 15th June 2017 (Annexure -1). The procurement policy for Micro & Small Enterprises 2012 has been notified under MSMED Act, 2006 (Annexure 2). The orders mandate that purchase preference shall be given to local suppliers and MSEs in all procurement undertaken by procuring entities. General principles as per above orders and criteria fixed by MoHFW shall be followed for various scenarios for award of contract. Accordingly, the criteria of award of contract will be as under:

a) In procurement of goods where there is sufficient local capacity and local competition and where the estimated value of procurement is Rs.50 lakhs or less, only local suppliers shall be eligible.
b) If the estimated value of procurement of goods is more than Rs.50 lakhs and which are divisible in nature, the following procedure would apply:
   I. In case L1 firm is a local supplier:
      i) The L1 bidder will be awarded full quantity or 80% quantity in case MSEs quotes are within margin of price preference and also accepts L-1 prices.
      ii) MSME bidders falling under the margin of purchase preference would be awarded upto 20% of the tendered quantity subject to matching the L-1 rate.
   II. In case L1 firm is not a local supplier:
      i) 50% of the tender quantity shall be awarded to L1 bidder. Thereafter, the lowest bidder among the local suppliers, will be awarded remaining 50% quantity subject

to the local supplier's quoted prices falling within margin of price preference and match the L1 price. In case such lowest eligible local supplier fail to match the L-1 price or accept less than the offered quantity, the next higher local supplier within the margin of purchase preference shall be invited to match the L-1 price for remaining quantity and so on, and contract shall be awarded accordingly.

ii) The MSME bidders falling under Purchase Preference would be awarded 20% of the tendered quantity subject to matching the L-1 price.

(c) If the estimated value of procurement of goods is more than Rs.50 lakhs and which are not divisible, the following procedure would apply:

i). Among all qualified bids, the lowest bid will be termed as L-1. If L-1 is from a local supplier, the contract will be awarded to L-1.

ii). If L-1 is not from local supplier, the lowest bidder among the local suppliers, will be invited to match the L-1 price subject to local supplier's quoted prices falling within the margin of purchase preference, and the contract shall be awarded to such local supplier subject to matching the L-1 price.

iii). In case such lowest eligible local supplier fails to match the L-1 price, the local supplier with the next higher bid within the margin of purchase preference shall be invited to match the L-1 price and so on and contract shall be awarded accordingly. In case none of the local suppliers within the margin of purchase preference matches the L-1 price then the contract may be awarded to L-1 bidder.

35.5 Minimum Local Content: A supplier shall be considered as local supplier provided the minimum local content of the offered item is 50%.

35.6 Margin of Purchase Preference: The margin of purchase preference shall be 20%.

35.6 Manufacture under license/technology collaboration agreements with phased indigenization are exempted from meeting the stipulated local content if the product is being manufactured in India under a license from a foreign manufacturer who holds intellectual property rights and where there is a technology collaboration agreement/transfer of technology agreement for indigenous manufacture of a product developed abroad with clear phasing of increase in local content

35.7 Verification of local content

a. The local supplier at the time of tender, bidding or solicitation shall be required to provide self-certification that the item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made.

b. In cases of procurement for a value in excess of Rs. 10 crores, the local supplier shall require to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.

c. Decisions on complaints relating to implementation of this Order shall be taken by the competent authority which is empowered to look into procurement-related complaints relating the procuring entity.

d. A constituted committee with internal and external experts will examine for independent verification of self-declarations and auditor's/accountant's certificates on random basis and in the case of complaints.

e. A fees of Rs.10000/- in the form of demand draft favouring CFO (HLL Infratech Services Limited), payable at New Delhi, is required to be deposited with complaints for verification of local content.

f. False declarations will be breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.

g. A supplier who has been debarred by any procuring entity for violation of this Order shall not be eligible for preference under this Order for procurement by any other

procuring entity for the duration of the debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities.

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 twenty five (25) per cent, the quantity of goods and services mentioned in the schedule(s) in the "List of Requirements" (rounded off to next whole number) without any change in the unit price and other terms & conditions quoted by the tenderer.

40.2 If the quantity has not been increased to the maximum of 25% of the tendered quantity at the time of awarding the contract, the purchaser reserves the right to increase the quantity further by up to the balance available twenty five (25) per cent of the tendered quantity of goods and services (rounded off 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.

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 or by email (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 XVI) 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. The successful tenderer should also submit Proforma Invoice from the foreign principal (if applicable as per contractual price) within 21 days from the date of NOA.

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

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

43.1 Failure of the successful tenderer in providing performance security, Proforma Invoice 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 EMD

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	
B	8 to 10	TE documents	No Change	
C	11 to 21	Preparation of Tenders	No Change	
D	22 to24	Submission of Tenders	Extra information	17
E	25	Tender Opening	No Change	
F	26 to 37	Scrutiny and Evaluation of Tenders	No Change	
G	38 to 45	Award of Contract	Extra Information	24

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 e-TENDERS

(i) All the necessary documents as prescribed in the NIT shall be prepared and scanned in different files (in PDF format as prescribed) and uploaded for on-line submission of Proposal.

(ii) Except Tender Processing Fee and EMD, all document(s)/ information(s) including the Financial Proposal (i.e. FORMAT FOR SUBMISSION OF FINANCIAL PROPOSAL) should be uploaded **online only** in the prescribed format given in the website. No other mode of submission shall be acceptable.

i) 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.

ii) The Individual file size of uploading is restricted up to 5 MB. Bidders may upload multiple files (Not exceeding 5 MB individually) & give relevant file name indicating the contents.

iii) The file name of price bid should match the file of the price bid format uploaded by the purchaser in the portal. This can be downloaded from the **Notes & Attachment** under **Details** of item when the event is in **Display Mode**.

AWARD OF CONTRACT

(i) The quantities in this tender (including additional quantities against the clause "Variation of Quantities at the Time of Award/ Currency of Contract") can be used by both HLL Infra Tech Services as well as its parent company HLL Lifecare Limited.

SECTION - IV
GENERAL CONDITIONS OF CONTRACT (GCC)

TABLE OF CLAUSES

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.

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, trademarks 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 twenty one (21) 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, which is initially valid for a period of minimum six months plus number of months under warranty 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:

It shall be in any one of the forms namely Account Payee Demand Draft or Fixed Deposit Receipt drawn from any Scheduled bank in India or Bank Guarantee issued by a Scheduled bank in India, in the prescribed form as provided in section XV of this document in favour of the Purchaser/Consignee. The validity of the Fixed Deposit receipt or Bank Guarantee will be for a period up to sixty (60) days beyond Warranty Period.

5.3 In the event of any failure /default of the supplier with or without any quantifiable loss to the government including furnishing of consignee wise Bank Guarantee for CMC security as per Proforma in Section XV, the amount of the performance security is liable to be forfeited. The Administration Department may do the needful to cover any failure/default of the supplier with or without any quantifiable loss to the Government.

5.4 In the event of any amendment issued to the contract, the supplier shall, within fifteen (15) 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, extension of time (with or without Liquidated Damages) & 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.

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 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 inspection and, also the identity of the officials to be deputed for this purpose. "The cost towards the transportation, boarding and lodging will be borne by the purchaser and/or its nominated representative(s) for the first visit. In case the goods are rejected in the first instance and the supplier requests for re-inspection, and if same is accepted by purchaser/consignee/PSA/PA, all subsequent inspections shall be at the cost of the supplier. The expense will be to and fro Economy Airfare, Local Conveyance, Boarding and Lodging of the inspection team for the inspection period."

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.

"On rejection, the supplier shall remove such stores within 14 days of the date of intimation of such rejection from the consignee's premises. If such goods are not removed by the supplier within the period mentioned above, the purchaser/consignee may remove the rejected stores and either return the same to the supplier at his risk and cost by such mode of transport as purchaser/consignee may decide or dispose of such goods at the suppliers risk to recover any expense incurred in connection with such disposals and also the cost of the rejected stores if already paid for."

8.7 Goods accepted by the purchaser/consignee and/or its inspector at initial inspection and in final inspection in terms of the contract shall in no way dilute purchaser's/consignee's right to reject the same later, if found deficient in terms of the warranty clause of the contract, as incorporated under GCC Clause 15.

8.8 Principal/ Foreign supplier shall also have the equipment inspected by recognised/ reputed agency like SGS, Lloyd, Bureau Veritas, TUV prior to despatch at the supplier's cost and furnish necessary certificate from the said agency in support of their claim.

9. Terms of Delivery

9.1 Goods shall be delivered by the supplier in accordance with the terms of delivery and as per the delivery period specified in the schedule of requirement. Please note that the time shall be the essence of 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 in favour of HLL Infratech services Limited or as directed by HITES 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 or its Indian Subsidiary/Indian agent 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 have to be 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 I**f** 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) The supplier shall be responsible for undertaking the supply of any such spare part for the proper up keeping of equipment for a period of 10 years including the warranty and CMC periods.

12.2 Supplier shall carry sufficient inventories to assure ex-stock supply of consumables and spares for the goods so that the same are used during warranty and CMC period.

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.

a. Installation & commissioning, Supervision and Demonstration of the goods
b. Providing required jigs and tools for assembly, minor civil works required for the completion of the installation.
c. Training of Consignee's Doctors, Staff, operators etc. for operating and maintaining the goods
d. 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 / courier (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) Two copies of packing list identifying contents of each package;
(iii) Certificate of origin for goods of foreign origin;
(iv) Insurance Certificate as per GCC Clause 11.
(v) 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 prepaid and four copies of non-negotiable Bill of Lading/Airway bill;
(iii) Four Copies of packing list identifying contents of each package;
(iv) Manufacturer's/Supplier's warranty certificate;
(v) Inspection Certificate for the despatched equipment issued by recognized/ reputed agency like SGS, Lloyd, BUREAU VERITAS, TUV prior to despatch
(vi) Manufacturer's own factory inspection report;
(vii) Certificate of origin
(viii) Port of Loading;
(ix) Port of Discharge and
(x) Expected date of arrival.

Note:

1. In case of sea shipment minimum 14 days demurrage free period to be allotted and instructed to the shipping lines by the supplier/beneficiary.
2. Necessary instruction to be given by the beneficiary/ supplier to the Shipping line / airline/ agent / Console to file the IGM in the name of M/s. HLL Infratech Services Limited only.
3. In case of air shipments soft copy of Airway bill, Invoice and Packing list with catalogue of shipment has to be submitted to HITES prior to landing of shipment.

15. Warranty:

- 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.
- The warranty shall remain valid for 60 months from the date of installation & commissioning with a regular updates of newer technology as and when evolved followed by a CMC for a period of 5 (Five) Years for all the equipment 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.
- No conditional warranty will be acceptable.
- Warranty as well as Comprehensive Maintenance contract will be inclusive of all accessories and Site Modification work and it will also cover the following wherever applicable:-
    - Any kind of motor.
    - Plastic & Glass Parts against any manufacturing defects.
    - All kind of sensors.
    - All kind of coils, probes and transducers.
    - Printers and imagers including laser and thermal printers with all parts.

- UPS including the replacement of batteries.
- Air-conditioners
- Replacement and repair will be under taken for the defective goods.
- All kinds of painting, civil, HVAC and electrical work
- 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 till the completion of the original warranty period of the main equipment.

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 6 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 equipment 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 equipment/ machines/ goods etc. and shall always give the most competitive price for its machines/ equipment 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 delivery of the contracted goods to the purchaser.

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.

TERMS AND MODE OF PAYMENT

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:

Seventy Five percent (75%) payment of the contract price shall be paid on receipt of goods in good condition and upon the submission of the following documents subject to recovery of LD, if any:

(i) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount
(ii) Two copies of packing list identifying contents of each package
(iii) Inspection certificate issued by the nominated Inspection agency, if any

(iv) Insurance Certificate as per GCC Clause 11
(v) Certificate of origin for imported goods
(vi) Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of the consignee

b) On Acceptance:

Balance Twenty Five percent (25%) 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. FAC needs to be issued by the designated consignee after installation, commissioning, testing and one to two weeks of successful trail run of the equipment.

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:

Seventy Five percent (75%) 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 prepaid 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) Manufacturer's own factory inspection report and
(vii) Certificate of origin by the chamber of commerce of the concerned country;
(viii) Inspection Certificate for the dispatched equipment issued by recognized/ reputed agency like SGS, Lloyd, BEAURU VARITUS and TUV prior to despatch.

b) On Acceptance:

Balance payment of Twenty Five percent (25%) of net CIP price of goods would be made against 'Final Acceptance Certificate' as per Section XVIII to be issued by the consignees through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the Foreign Principal in a bank in his country, subject to recoveries, if any. FAC need to be issued by the designated consignee after installation, commissioning, testing and one to two weeks of successful trail run of the equipment.

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. This is payable against submission of a certificate from the principal supplier that they have realised full and final settlement against their supply.

C) Payment of Site Modification Work, if any:

Site Modification Work payment will be made to the bidder/ manufacturer's agent ot its Indian Office in Indian rupees as 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. This will be paid on proof of final installation, commission and acceptance of equipment by the consignee

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 Purchaser. 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 custom duty and/or GST or any other taxes) 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

22.1 The supplier shall deliver 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 and/or GST 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 and/or GST 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.

22.6.1 Passing of Property:

22.6.2 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.

22.6.3 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.

22.6.4 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 or install /commission any or all of the goods or fails to perform the services within the time frame(s) incorporated in the contract including opening of office in India as per the undertaking given in the qualification criteria, 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, installation, commissioning 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. ***Since the Liquidated damages are in virtue of non-performance of services, it will attract GST or any other applicable taxes which in turn shall be deducted from the bidder.***

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, 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 inter alia, the extent to which the supplier's performance under the contract is terminated, and the date with effect from which such termination will become effective.

27.2 The goods and services which are complete and ready in terms of the contract for delivery and performance within thirty days after the supplier's receipt of the notice of termination shall be accepted by the Purchaser/Consignee following the contract terms, conditions and prices. For the remaining goods and services, the Purchaser/Consignee may decide:

a) To get any portion of the balance completed and delivered at the contract terms, conditions and prices; and / or
b) To cancel the remaining portion of the goods and services and compensate the supplier by paying an agreed amount for the cost incurred by the supplier towards the remaining portion of the goods and services.

28. Governing language

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

29. Notices

29.1 Notice, if any, relating to the contract given by one party to the other, shall be sent in writing by speed post/ Regd. Post or by email. 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 or amendments thereof. 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 arbitrator appointed by CEO (HITES). 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/NCR, 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.

33.8 If any provisions of this tender enquiry or a contact formed on the basis of this tender enquiry are invalid or void under any of the existing provisions of Indian law, then such provisions will not affect other provisions of this tender enquiry/ contract.

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.

The warranty and CMC period will be as mentioned in the list of requirement as per section VI of the tender enquiry.

SECTION - VI

LIST OF REQUIREMENTS

Part I

Sl. No.	Rfx Number	Name of the item	Qty.	Warranty Period in years	CMC Period in years
1	3000003206	Oxygen Concentrator	10	5	5
2	3000003207	Patient Warming System	88	5	5
3	3000003208	PCA Pump	10	5	5
4	3000003209	Suction Machine	263	5	5
5	3000003210	Syringe Infusion Pump	1100	5	5
6	3000003211	Transport Monitor	21	5	5
7	3000003212	Battery operated Dermatome	10	5	5
8	3000003213	CO2 Laser	9	5	5
9	3000003214	Diode Laser	2	5	5
10	3000003215	Hand held Doppler (vascular)	5	5	5
11	3000003216	Maxillo Facial Instrument Set	7	5	NA
12	3000003217	Nd Yag Laser with IPL	3	5	5
13	3000003218	Nerve stimulator (intra operative)	2	5	5
14	3000003219	Operating Microscope (Plastic Surgery)	18	5	5
15	3000003220	Pneumatic Tourniquet	26	5	5
16	3000003221	Powered Liposuction Set	5	5	5
17	3000003222	Skin Graft Mesher	17	5	5
18	3000003223	Surgical Micro Motor System	9	5	5
19	3000003224	IVUS	1	5	5
20	3000003225	Rotablation Machine	3	5	5
21	3000003226	Electric operated sternum system	19	5	5
22	3000003227	Surgical LED head light	5	5	5
23	3000003228	Surgical Xenon head light and light source	4	5	5
24	3000003229	Ultrasonic Surgical Aspirator/Disscetor(CUSA)	10	5	5
25	3000003230	Vascular Doppler for coronary Graft	18	5	5
26	3000003231	Insulin Pump with Integrated CGMS	2	5	5
27	300000323	Endoscopic washer and disinfector system	1	5	5
28	3000003233	PD Cycler	3	5	5
29	3000003234	Air Oxygen blender	24	5	5
30	3000003235	Bubble CPAP Machine	29	5	5
31	3000003236	Cystoscope and Resectoscope - Paediatric	11	5	5
32	3000003237	Irradiance Meter for phototherapy	12	5	5
33	3000003238	LED Phototherapy Unit	82	5	5
34	3000003239	OAE Machine	2	5	5
35	3000003240	Open Care System	151	5	5
36	3000003241	OT Table - (Paediatric)	11	5	5
37	3000003242	Paediatric neuroendoscope	1	5	5
38	3000003243	Paediatric URS	3	5	5
39	3000003244	Pediatric Open Surgical Instruments	18	5	NA
40	3000003245	Resuscitation Equipment	9	5	5
41	3000003246	Transcutaneous Bilirubin Analyzer	7	5	5
42	3000003247	300 mA HF X-Ray Machine	16	5	5
43	3000003248	500 mA HF X-Ray Machine	16	5	5
44	3000003291	3D Laparoscopy System	1	5	5
45	3000003292	Operating microscope	1	5	5
46	3000003293	Oscillating saw system and otology drill	1	5	5

Sl. No.	Rfx Number	Name of the item	Qty.	Warranty Period in years	CMC Period in years
		system			
47	3000003294	Esophagoscopy	1	5	5
48	3000003298	Flexible Rhino-Pharyngo Laryngoscope	1	5	5
49	3000003299	Low temperature sterilizer	3	5	5
50	3000003300	ETO sterilizer	6	5	5
51	3000003301	Arthroscopy System	1	5	5
52	3000003302	Minor OT Table	3	5	5
53	3000003303	OT light for minor OT	3	5	5
54	3000003304	Open Surgery Instruments (Set) for General Surgery	9	5	5
55	3000003305	Mobile Examination Light	42	5	5

Part II: Required Delivery Schedule:

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

75 days from date of Notification of Award to delivery at consignee site or 30 days from the date of site handover, whichever is later. The date of delivery will be the date of delivery at consignee site. Tenderers may quote earliest delivery period.

Installation and commissioning shall be done within 45 days of receipt of the stores/ goods at site.

b) For Imported goods directly from foreign:

90 days from the date of opening of L/C to deliver at port of destination or 30 days from handing over the site, whichever is later. The date of delivery will be the date on which the consignment reaches the Port of Destination. (Tenderers may quote the earliest delivery period).

Installation and commissioning shall be done within 45 days of receipt of the stores/ goods at site.

If the delivery gets delayed due to site related issues, the supplier must get the revised tentative delivery date duly vetted by the consignee.

(The supplier has to ensure the site readiness from the Director/MS of respective consignee/Executing agency before dispatching the equipment. Any delay attributable to site readiness of individual institutes shall be communicated to M/s. HLL Infra Tech Services Limited in writing, for extension of delivery period, with proof from respective Institutes).

Layout drawing for approval, valid Performance Security and Proforma Invoice (in case of LC opening) are to be submitted within 30 days from the date of release of NOA.

Site Readiness means that the site is ready in all aspects for successful delivery, installation and commissioning.

Note:

i) Supplier has to submit clear documents for opening of LC to HITES within 30 days of placement of order. Any delay will be treated as non-performance and Liquidated Damages shall be levied.

ii) In case of multiple LC are opened in favour of multiple manufacturers, the delivery period for all the items under the contract shall be counted from the date of opening of the first LC only.

iii) 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.

iv) Since the supplier is not responsible for custom clearing and forwarding the goods to consignee site, the time taken for the same shall not be counted for computation of LD. However, time taken by the supplier to rectify the short comings of any document for custom clearing the goods to be counted in the above delivery period.

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: Site Modification Work (if any) as per details in Technical Specification.

Part V: Warranty period as per details in general technical specification and as specified in Part I above. Warranty period will be 60 months from the date of installation, commissioning and acceptance.
Comprehensive Maintenance Contract (CMC) as per details in Technical Specification as specified in part I above

Part VI:

Required Terms of Delivery and Destination:

a) For Indigenous goods or for imported goods if supplied from India:
At Consignee Site(s)

b) For Imported goods directly from abroad:
The foreign tenderers are required to quote their rates on CIP Named Port of Destination Basis giving breakup of the price as per the Proforma prescribed in the Price Schedule. Purchaser will place the order on CIP Named Port of Destination basis.

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

Destination/Consignee details:
A list of Consignee is given in Section XXI. The goods mentioned at Part-I in this section are intended to be supplied to the following hospitals/medical institutes. However, order may be placed for any hospital/institute across India.

SECTION – VII
TECHNICAL SPECIFICATIONS

Item Sl. No. 01
Oxygen Concentrator

SN	Oxygen Concentrator		
	To concentrate oxygen (O2) from ambient air and deliver the concentrated O2, typically through an attached nasal cannula, to a patient requiring oxygen therapy.		
1	Flow rate: 0~5 LPM, purity > 93%.		
2	O2 delivery pressure: 0.03 to 0.07 Mpa (4.35 - 10.15 PSI).		
3	Atomising pellet (ml/min.) > 0.5, uninterrupted low of oxygen.		
4	Oxygen monitoring system (optional).		
5	Low pressure alarm, high pressure alarm and power failure alarm.		
6	Should be capable of providing minimum 12 hours of continuous operation.		
7	Max 30 kg.		
8	Noise (in dBa) <50 db		
9	Heat dissipated using an internal exhaust, so that a maximum of 36.5 degree C is maintained.		
10	power requirements -230 +/- 10% VAC, 50 Hz, 2 amps.		
11	power consumption <500 Watts		
12	Humidifier Bottles-4nos, power cord-1no.		
13	Complete unit to be easily washable and sterilizable using both alcohol and chlorine agents.		
14	Availability of 5 amp/15 Amp. Electrical socket (2 nos) for each warmer.		
15	User/Technical/Maintenance manuals to be supplied in English.		
	BOQ	**Qty**	**UOM**
1	Oxygen Concentrator as per specification	1	Nos
2	Humidifier Bottle	4	Nos
3	Power Cord	1	Nos

Item Sl. No. 02
Patient Warming system

I	Technical Specification
1	Should have the facility for Forced Air warming.
2	**Should have Two Air flow setting for the air flow 30-50cfm for adult and infant patient in same machine.**
3	Should have single Hose for all type / Size of Blankets.
4	**Should have at-least 3 temperature control setting**
5	Should have over temperature sensor.
6	**Deleted**
7	Should have microprocessor control system to allow a multi-staged Heater.
8	**Three heater elements**
9	**Should have Temp. Range – Ambient to 43°C or better**
10	Should have High Efficiency Air Filter of 0.3 Micro size or better.
11	The weight of Equipment should be less than 8.0 kg.
12	**Should distribute even temperature across the blankets**
13	Blanket should not be more than 160 gm. weight.
14	Should have safe warming avoids tissue damaging.

15	**Should ensure even temperature at all point of blanket**
16	The equipment should have easy attachment to IV pole, Bedrail or Freestanding.
17	Meet Regulatory standard for leakage current.
18	Offered model should be USFDA or European CE with four digit notified body number approved
II	Accessories
1	Adult Full Body Blankets: 10
2	Paediatric Full Body Blankets 5
3	**Adult upper & lower body blanket - 10 nos each**
4	**Deleted**
5	**Deleted**

SN	BOQ	Qty	UOM
1	Patient Warming system as specified	1	No
2	Adult Full Body Blankets	10	No
3	Paediatric Full Body Blankets	5	No
4	**Adult upper & lower body blanket**	**10**	**Nos each**

Item Sl. No. 03
Patient Controlled Analgesia Pump (PCA)

1	Must provide various modes like Bolus, Bolus + set rate; Bolus + Time limited rate; Bolus + Triggered rate
2	**Deleted**
3	LCD screen for display of menu & Protocols
4	Automatic detection of syringe size & proper syringe fixing. Must provide alarm for wrong loading of syringe (flanges out of slot ; disengaged plunger etc.)
5	Display of Drug Names with a provision of memorizing 10 ~ 15 names by the operator shall be preferred.
6	Pump must display monitored pumping pressure digitally as well as graphically(dial gauge) for instant & easy to read pumping pressure in syringe system.
7	Selectable Occlusion pressure trigger levels from 100 mmHg to 900 mmHg.
8	Anti bolus system to reduce pressure on sudden release of bolus.
9	Should have comprehensive alarm package including Occlusion pressure pre-alarm & alarm, End of infusion pre-alarm and alarm, Volume limit pre-alarm & alarm, KVO rate, Low battery pre-alarm and alarm, Line disconnection alarm, Syringe barrel & clasp check, Plunger detection, maintenance reminder alarm etc.
10	Battery back should be for about 6 ~ 7 hr at 5ml/hr for 50ml syringes with a provision to display residual battery life in hours and minutes.
11	Should meet the international safety standards US-FDA/ CE Certification

SN	BOQ	Qty	UOM
	PATIENT CONTROLLED ANALGESIA PUMP(PCA)	1	No

Item Sl. No. 04
Suction Machine (High Vacuum)

1	**High vacuum suction unit, run on electricity with two section jars of 4-5 liters capacity each. If one jar filled, it should be automatically/manually connect to other jar.**
2	Auto cut off device of preventing entry of fluid in pump.
3	Fast and efficient jar change facility.
4	Easy access and controls
5	It should be heavy duty and noiseless, with piston/cylinder technology.
6	Should be able to create desired maximum vacuum in least possible time, vacuum should be up to –90

	K pascal with minimum capacity of 60L/min		
7	Light and maneuverable fitted on a mobile trolley.		
8	One plastic suction jar cover, steam sterilizable to be provided extra.		
9	Two extra suction jar (Plastic) of capacity 4-5 ltrs. Should be quoted along with accessories like lid, tubing etc. with the equipment to make the unit functional.		
10	**Should be CE or USFDA for quality and safety purpose.**		
11	The firm should clearly indicate in the technical bid itself that the prices of all standard accessories are included in the quoted price.		
12	The firm will give rate list of all possible spares, accessories & consumables if any, as part of financial bid. If price of any spare is not mentioned & is required for repair in life time of equipment/instrument, then the firm will be obliged to give it free throughout life cycle of the equipment.		
	BOQ	**Qty**	**UOM**
1	Suction Machine as per specification	1	No
2	Mobile Trolley	1	No
3	Suction Jar	4	No

Item Sl. No. 05
Syringe Infusion Pump

1	The syringe pump should be programmable, user friendly, safe to use and should have battery backup and comprehensive alarm system.
2	Must Work on commonly available standard 5ml/10ml/20ml/50ml/60 ml Syringes with accuracy of minimum of +/-2% or better, with automatic syringe size recognition.
3	Should have US FDA or European CE with four digit notified body number certificate and certificate to be submitted.
4	Flow rate programmable from 0.1 to 1000 ml/hr or more in steps of 0.1 ml/hr with user selectable flow set rate option. SAVE last infusion rate even when the AC power is switched OFF.
5	**Bolus rate should be programmable to 40 to 1000 ml/hr or more with infused volume display and one key press bolus. Reminder audio after every 1 ml delivered/programmable bolus should be available**
6	Display of Drug directory of more than 50 drugs, customized and adjustable.
7	Key board locking system for patient safety.
8	Keep Vein Open (KVO) must be available at 0.1 ml or set rate
9	Selectable Occlusion pressure trigger levels selectable from 300/500/900 mmHg. or atleast 3 selectable levels
10	**Automatic detection of syringe size & proper fixing. Must provide alarm for wrong loading of syringe such as disengaged plunger, unsecured barrel etc.**
11	**Manual / automatic pusher**
12	Anti bolus system to reduce pressure on sudden release of occlusion.
13	Should have comprehensive ALARM package including: Occlusion limit exceed alarm. Near end of infusion pre-alarm & alarm, Volume limit pre-alarm & alarm, KVO rate flow, Low battery pre-alarm and alarm, AC power failure and Drive disengaged alarm.
14	**Rechargeable Battery having at least 4hours backup for about 5ml/hr flow rate with 50ml syringes. Larger battery life and indication of residual life will be preferred.**
15	Mounting device/ Docking Station for at least four pumps as per requirement so as to enable to power up to 4 pumps with one power cord when mounted on IV pole (Price to be quoted separately)
16	The unit shall be capable of stored and operating continuously in ambient temperature of 10 - 50deg C and relative humidity of 15-90%
17	Power input to be 220-240VAC, 50Hz.
18	Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.
19	User Manual and service manual in English.

20	List of important spare parts and accessories with their part number and costing.		
	Added para:		
	Clamp to be supplied with each machine		
	BOQ	**Qty**	**UOM**
1	Syringe Pump as per specification	1	No
2	Docking station	1	No

Item Sl. No. 06
Transport Monitor

	The monitor should have:		
1	High – resolution colour TFT display of minimum 8" or more		
2	It should be rugged and sturdy for transport use.		
3	Should be able to monitor ECG, NIBP, SpO2., Two IBP Temperature and Respiration		
4	Plethysmograph with perfusion indicator		
5	Monitor should be at least three channel		
6	24 Hrs. graphical / tabular trends		
7	NIBP trends memory should be at least 50 readings (tabular)		
8	Suitable for Adult / paediatric/neonate.		
9	Selectable Arrhythmia detection		
10	Should have inbuilt two channel recorder		
11	Must have Graded and Colour coded alarms		
12	User selectable screen formats and user – friendly menu driven functions.		
13	Battery backup for at least 3 Hrs.		
14	Should be supplied with:		
	One 3 lead ECG cable, Reusable SpO2(adult, paediatric, neonate) sensor, NIBP cuffs (each for Adult ,child and neotate)		
15	It should have US FDA or European CE with four digit notified body number certificate and certificate to be submitted.		
16	**Product should have Airworthiness RTCA DO-160 D, section 7,8,21 and Vibration standard MIL STD 810F, method 514.5 certifications.**		
	BOQ	**Qty**	**UOM**
1	Monitor as per tender specification	1	No
2	2 channel recorder	1	No
3	3 Leads ECG cable	1	No
4	Reusable Spo2 probe adult	2	Nos
5	Reusable Spo2 probe pediatric	1	No
6	Reusable Spo2 probe neonatal	1	No
7	NIBP cuff for Adult ,child and neotate	1	No each
8	NIBP Hose	1	No
9	Temperature probe esophageal	1	No

Item Sl. No. 07
Battery operated Dermatome

1	**Should be battery operated dermatome with 2 rechargeable battery packs & charger**		
2	It should be light weight and easy to use		
3	Should deliver smooth cutting action that produces clean, uniform grafts.		
4	Should have Precise cut thickness up to .030 inch (0.76 mm) in easily adjustable .002 inch (0.05 mm) increments.		
5	**Should have Width plate range from one to four inches (2.5 cm to 8 cm) in one inch increments**		
6	Should have Safety lever to help prevent accidental activation.		
7	Blades should be supplied sterile without any need for lubrication.		
8	**Deleted**		
9	Should be US FDA or European CE with 4 digit notified body no or BIS approved for the quoted model		
10	Should be supplied with suitable sterilisation tray		
	Added para: Demonstration for quoted model is must		
	BOQ	**Qty**	**UOM**
1	Dermatome	1	Nos
2	Compatible blade (Price should be quoted separately)	100	Nos
3	Sterilisation tray	1	Nos

Item Sl. No. 08
CO2 Laser

a.	Power :More than 25 watts
b.	Wave length :10,600nm
c.	Pulse energy:1-200MJ (adjustable)
d.	Operative Mode: Continuous and Pulse mode
e.	Depth of Penetration:1-2mm
f.	Scanner : In-built Scanner Scanner:**10mm X 10mm-15mm x 15mm** or more size with custom shapes(square, circle, line, rectangle, hexagonal etc)
g.	Transmission: Long articulated arm,360degree rotation, light weight
h.	**Hand piece: Reusable, light weight**
i.	Spot size: Focused spot size:0.1-2mm
j.	Aiming Beam: Helium or Diode Laser 635 nm,5mW , adjustable intensity
k.	Power system:200-240V,20A/16A 50/60Hz,single phase
l.	Cooling system: Self contained,closed cycle
m.	**Should be US FDA or European CE with 4 digit notified body no or BIS approved for the quoted model**
n.	Power cord; AS per Indian Standards
o.	It should be controlled from footswitch also

Essential Accessories:

S. no.	Accessories	Quantity
1	Safety Googles	**10**
2	Eye shield and cornea shield	**4**
3	Large Touch screen LCD colour display	1
4	Collimated Hand Piece	1
5	CO2 Fractional Hand Piece, Spot size upto 1.5mm	1
6	CO2 Focused incisional hand piece	1
7	Lens cleaning paper	1
8	Co2 Laser warning sign	1
9	Smoke evacuator	1

10	Operator Manual	1
11	Adjustable Patient Chair	2
	Note:	
	The price of unit quoted should include cost of all above accessories in addition to standard cable etc. which are needed for full functionality of unit.	
	The firm should give list of all spares and accessories with price.	

Item Sl. No. 09
Diode Laser

1	Laser system: Solid state diode laser
2	Pulse width should be customizable
3	Wave length: 780-820nm
4	**Fluence 100 to 120 J / cm2**
5	Should be US FDA or European CE with 4 digit notified body no or BIS approved for the quoted model
6	Should provide adequate safety to operator, patients, attendants and other medical apparatus connected.
7	Safety googles - 4 nos
8	Eye shield - 8 nos
	Added para
9	**Spot size 10 to 12 mm**
10	**Must have contact cooling**

Item Sl. No. 10
Hand held Doppler (vascular)

1	Portable, light weight		
2	Bi-directional waveform output		
3	Waveform gain control		
4	Bidirectional LCD display		
5	Built in speaker and option for using head phone		
6	Audio output control		
7	Autoclaveable 8MHz & 10MHz Probe 1 each		
8	Rechargeable batteries & charger, working on 220v + 10/50-60Hz		
9	Protective carrying case		
10	All essential accessories required to make the equipment functional		
11	**Added para: European CE with 4 digit notified body/US FDA /BIS approved**		
	BOQ	**Qty**	**UOM**
1	Hand held Doppler (vascular)	**1**	**Nos**
2	Autoclaveable 8MHz Probe	**1**	**Nos**
3	Autoclaveable 10MHz Probe	**1**	**Nos**

Item Sl. No. 11
Maxillofacial instrument sets

A	The instruments quoted should be of high quality rust proof with good handling properties.
B	The catalogue no. should be inscribed on the instrument supported with original catalogue
C	All cutting instruments & needle holders should be matte finish with TC coating
D	Bidder should quote all the instruments and price of all the instruments should be quoted separately

E	Should be European CE / US - FDA/BIS certified
F	Mouth Gags
1	Dingmans gag with 3 different sizes of tongue blades - 1 Set
2	Fergusons 1 Pair
G	Tongue Depressors
1	Stainless steel Flat (Adult and Pediatric) 1 each
H	Mouth Props
1	Rubber Coated with metal frame. Set of Multiple sizes from child size to large adult size. - 4 sets
I	Scissors
1	Dissecting scissors curved, sharp/sharp 13 cm (Goldman – Fox) - 2 nos
2	Goldman-Fox Blepharoplastic scissors saw edge 10.5 cm - 2 nos
J	Retractors
1	Mandibular channel retractor 17.5 cm, 8 mm and 10 mm - 1 each
2	Forked ramus retractor - 1 nos
K	Maxilla Mobilizers
1	Tessier Maxilla mobilizer. Left and right - 1 set
L	Elevators
1	Multi Purpose Periosteal elevator with beveled edge, sharp, 9mm - 2
2	Ramus stripper sharp, Approx 7mm - 1
3	Rowe Zygoma elevator blunt 25.5 cm - 1
M	Bone Rasps
1	Obwegeser Nasal rasps channel type 1
2	Williger Raspatory 1
3	Palatal Raspatory 1
N	Measuring instruments
1	Castroviejo Caliper, straight. Measuring range up to 20 mm - 1
O	Osteotomes
1	Curved 4mm, 6 mm, 10mm, 1 each
2	Straight 4mm, 6mm, 10mm, 2 each
3	Bone Gouge 5 mm 1
4	Cottle osteotome 1
5	Tessier Nasal osteotome 1
6	Nasal septum osteotome 1
7	Lateral nasal wall osteotome, left and Right, 1 Pair
8	Pterygomaxillary osteotome 2
P	Mallets
1	Bone Mallet 340 g 19 cm 26 mm 1
2	Rowe Maxillary Disimpaction forceps 23 cms left and right (Pair) - 1 each
3	Connecting clamp for pair of Maxillary Disimpaction forceps - 1
4	Hyton William Forceps Forward and Downward Traction - 1 each
5	Obwegeser Ramus Clamps left and right 1 each
6	Walsam Nasal Forceps 1 pair
7	Asch’s Nasal Forceps 1
Q	Spreader
1	Smith’s Ramus Spreader 2
R	IMF related
1	Wire twister with tungsten carbide inserts 13.5 cm - 2
2	Wire Cutter – Heavy Duty 2
3	Erich’s arch Bar - 100

S	Stainless steel IMF wire spool - 26 gauge - 50 spools
T	Condyle Retractors
1	Double ended Condylar neck retractor 1
U	TMJ Instruments
1	Sigmoid notch retractor 1
2	TMJ Spreader 1
3	Eckelt TMJ Clamp Left & Right 1 pair
V	Skin Hooks
1	Round Handle 5
W	Bone Curette
1	Double ended Lucas Curette 2
2	Volkmann Double ended Curette 2
X	Carbide burs
1	Carbide flat fissure burs no701 for surgical bone cutting. Shank long enough to be placed in the straight hand piece. - 25
2	Carbide flat fissure burs no702 for surgical bone cutting. Shank long enough to be placed in the straight hand piece - 100
3	Carbide flat fissure burs no703 for surgical bone cutting. Shank long enough to be placed in the straight hand piece - 25
	Added para: variation in size upto 10% is acceptable
	Added para: All the instruments should be European CE with 4 digit notified body/US FDA /BIS approved

Item Sl. No. 12
Nd Yag Laser with IPL

1	**Deleted**
2	Spot size (ND YAG) : 6mm & 2 mm x 4 mm, 1.5 mm and 9 mm
3	Repetition rate : 1-10 Hz
4	**Deleted**
5	Energy density (ND YAG): 20-225j/cm2
6	cooling system: Closed loop continuous liquid cooling
7	Should be compact, light and portable
8	Wave length: 1064nm
9	**Deleted**
10	Pulse width: 10 nS
11	The ND: YAG must have multiple sequential pulsing (MSP) and optimal pulse technology.
12	Adequate safety to operator, patients, attendants and other medical apparatus connected.
13	The hand piece must be available along with acne and vascular filters
14	Should be US FDA or European CE with 4 digit notified body no or BIS approved for the quoted model

Item Sl. No. 13
Nerve stimulator

1	It should be convenient, portable, easy to handle unit.
2	Mains Voltage: 100-240 volts
3	Accumulator : 6 volts/150 mA
4	Re-chargeable battery backup

5	Frequency : 2.5 Hz
6	Programmable pulse width and frequency.
7	It should have a resolution of 0.01 mA.
8	It should have a short stimulus pulse duration of 0.1 ms.
9	Equipment is to be supplied with standard accessories like
10	Electrical Mains cord for charging the accumulator
11	Bipolar stimulator cable for connecting stimulator forceps - 2
12	Bipolar stimulator forcep 145 mm, 0.3 mm tip - 2
13	All accessories should be regular steam and flash autoclavable
14	All fixtures, fuses, spares and reusables and accessories should be supplied along with the equipment. The supplier should also provide the list of spares, fixtures and installation diagrams with the quote.
15	Should be US FDA or European CE with 4 digit notified body no or BIS approved for the quoted model

Item Sl. No. 14
Operating Microscope (Plastic Surgery)

1	Surgical Microscope floor model with mobile floor stand on four castor wheels for easy handling and absolute stability.
2	**Deleted**
3	**Should have apochromatic optics with 1:6 Zoom ratio, adjustable via handgrips and foot control.**
4	**Should have stereo bridge, tiltable binocular tube f=170mm, 0-180 deg Wide angle, push in eyepiece 10x /12.5x, rotatable dovetail mount for binocular tubes for face to face co-observation.**
5	Should have motorized internal continuously variable focus system, with working range from 200 mm to 400 mm or more with one front lense, continuously variable, adjustable via handgrips or foot control panel.
6	**Should have xenon illumination of 180 W, high intensity, automatic iris control for adjusting the illumination and a 180 W xenon backup lamp integrated in the sturdy floor stand with day light characteristics illuminating though fiber-optic light guide.**
7	Should have brightness, focus and zoom adjustment in hand switch.
8	Floor stand should have magnetic brakes and clutches for all six axes (three for microscope and three for stand).
9	**Should have 3- CCD Medical grade HD video camera with HD recording and storage facility with CCTV attachment.**
10	**Appropriate video editing software and compatible hardware to be provided.**
11	**Medical grade monitor 24" or more**
12	It should have a graphic display LCD with background illumination with at least 6 user defined settings.
13	Camera should be independent of microscope.
14	There should be a facility of a manual balance.
15	**Deleted**
16	Should be US FDA or European CE with 4 digit notified body no or BIS approved for the quoted model
17	Should have Variable Spot illumination for adjustment of the illumination field.
18	**Should have Pair of handles for easy control of zoom, focus, brightness and magnetic brakes.**
19	**Deleted**
20	**14 function foot switch wired or wireless to be provided.**

Item Sl. No. 15
Automatic Pneumatic Tourniquet

1	Electric power operated 220-240 volts
2	Should be portable with moveable stand
3	Built-in battery back-up of Approx. 30-45 minutes
4	**Automatic built-up of cuff pressure after operator setting the pressure with approx. range 100-450 mm Hg**
5	**Time setting 5-240 minutes in 5 minute increment**
6	ALARM: Audible and visual alarm for over pressure, under pressure, exceeded set time tube kink, low battery.
7	**CONTROLS**
a	Manual alarm silence switch for operator
b	Operator controlled time switch to read current alarm settings, increase or decrease settings and read elapsed time of cuff inflation
c	Operator controlled pressure switch to read current settings, increase or decrease pressure settings, and read current cuff pressure
d	Operator controlled cuff switch to inflate or deflate the cuff
8	**Accessories**
	Autoclavable cuff with sleeves, reusable various sizes;
a	**Adult:** Upper (18") and Lower limb (24") - 5 each
b	**Pediatric:** Upper (8") and Lower limb (12") - 5 each
c	Dual cuff, adult size 18" – 2 Nos
d	Positive locking connectors with angled ports
e	Cuff hose - 3
f	Tourniquet stand
g	Basket for accessories
h	**Carrying case for cuffs**
9	Should be European CE with 4 digit notified body no/US FDA/BIS certified for the quoted model

Item Sl. No. 16
Power Assisted Liposuction Set

A	**Aspiration Unit : 1**
1	Should be able to develop vacuum of – 675 $\pm$ 25 mm Hg.
2	Flow rate 50 $\pm$ 5 lit/min.
3	Implosion proof high impact canisters with twin bottle capacity of 3 liters or more.
4	Heavy duty motor working of 220 volt AC mains.
5	Manometer with vacuum regulator.
6	Rust proof body mounted on lockable castor wheels.
7	Non-collapsible tubing.
8	European CE with 4 digit notified body/US FDA /BIS approved
B	**Infiltration Unit : 1**
1	Ability to develop flow rate of 600 $\pm$ 50 ml/min.
2	Digital display of flow rate with ability to regulate flow rate.
3	Working on 220 volts AC mains.
4	European CE with 4 digit notified body/US FDA /BIS approved

C	**Power Assisted Lipoplasty Hand Piece : 4**			
1	Reciprocating movement of 2 mm or more at frequency of 600 cycles/minute or more.			
2	Autoclavable hand piece and connecting cables/tubings.			
3	Both hand & foot controls.			
4	Ability of connect to different size aspiration cannulae.			
5	European CE with 4 digit notified body/US FDA /BIS approved			
D	**Aspiration Cannulae**			
1	Autoclavable stainless steel contruction.			
2	Should match power assisted lipoplasty hand piece.			
3	Dimensions as follows:			
	Type	**Size**	**Usable length**	**Number**
a	Single Port	2 mm-2.4 mm	18-25 cm	2
b	Single Port	3 mm	18-25 cm	2
c	Triport	4 mm	20-30 cm	3
d	Mercedes	5 mm	20-30 cm	3
e	Mirrored Triport	5 mm	20-30 cm	3
E	**Micro-injection System**			
1	**Centrifuge:**			
a	Ability to centrifuge at least six 10 cc syringes simultaneously.			
b	Autoclavable rotor and tubes.			
c	Ability to centrifuge at 2000-3500 RPM.			
2	**Aspiration Cannulae**			
a	Stainless steel construction			
b	Should fit 10 cc, 20 cc & 50 cc leur lock syringe			
	Type	**Size**	**Usable length**	**Number**
c	Blunt tip, single port	2 mm	18-25 cm	2
d	Blunt tip, single port	3 mm	18-25 cm	2
e	Blunt tip, single port	5 mm	20-30 cm	2
3	**Syringe locks: 6 (2 each for 10cc, 20 cc and 50 cc syringes)**			
a	Stainless Construction			
4	**One Way infiltration adapter**			
a	Stainless steel, autoclavable			
b	Should fit the infiltration cannula & leur lock syringe			
5	**Syringe rack :**			
a	Stainless steel, autoclavable			
b	Should be able to hold 20 or more 10 cc syringes simultaneously			
6	**Inviltration Cannulae :**			
a	Stainless Steel construction			
b	Should fit 10 cc, 20 cc & 50 cc leur lock syringe			
	Type	**Size**	**Length**	**Number**
c	Blunt tip, single port straight	2mm	10-20 cm	3
d	Blunt tip, single port, convex	2mm	08-15 cm	2
e	Blunt tip, single port, concave	2mm	08-15 cm	2

Item Sl. No. 17
Skin Graft Mesher

1	Should be operated manually
2	Should have the ability to mesh the skin graft in varying ratios (1:1.5, 1:2, 1:3, 1:4, 1:5) with the help of different blades.
3	Should possess a reversible and detachable ratchet handle
5	Should be able to graft the width size of 10cm
6	Should get sterilized by autoclaving
7	Should contain a sterilizable container
8	Should be US FDA/ European CE/BIS approved product
9	**25 Carriers to be supplied with the Mesher if required for its operation.**

Item Sl. No. 18
Surgical Micromotor System

A	**Deleted**
1	**Operating Voltage 220-240V AC, heavy duty with foot control for switching on and off.**
2	**Deleted**
B	**Deleted**
1	**Deleted**
C	Attachments
1	**Drill bit 1.5 mm and 2 mm (10 each)** **Diamond polishing burrs 2mm, 3mm, 6mm (5) each)** **Conical contouring burr 3mm, 4mm, 6mm (5 each)'**
D	**Added para:** Control of rpm and clockwise and anticlockwise direction on the main control unit.
E	**Added para:** Speed 2000-40000 or more rpm
F	**Added para:** Lightweight and ergonomic handpiece
G	**Added Para:** Should be US FDA or European CE with 4 digit notified body no or BIS approved for the quoted model

Item Sl. No. 19
IVUS

1	The system should be the latest generation of intra-vascular ultrasound for 360˚ image evaluation of coronary lumen.
2	Should be a Windows based system capable of accepting phased array transducer technology.
3	Should be DICOM-3 compatible.
4	Should have DICOM storage to CD-R and hospital network compatible.
5	Archiving options of CD ROM, 16X DVD, Removable hard disc and network.
6	Should be accompanied with flat panel LCD display of ≥18" high quality monitor with keyboard, track ball and mouse or with touch pad.
7	Data entry should be possible by key board and/or touch screen.
8	Should come with a storage capacity of at-least 50 patient data with minimum 30 GB hard disk and 25clinical case storage, with an option of removable storage.
9	Should have ECG input on screen.
10	Digital frame grabber.
11	Multiple image screen format.

12	Availability of automatic and manual measurement of all essential parameters like diameter and areas. Multi-screen format for comparison with prior measurements should be available.
13	Digital video loop storage: up to 8 minutes with still frames (JPEG) with full editing capabilities including offline editing.
14	Should have automatic border detection, both lumen and vessel.
15	Should have on line 2D longitudinal display and measurements (seen as longitudinal cut section of the artery) as well as cross sectional imaging.
16	Should have facility to incorporate coronary angiographic data.
17	Should be compatible to be incorporated to existing Cathlab system.
18	Should have the advanced features like Virtual Histology.
19	The system should be preferably upgradable to incorporate other advanced technologies like FFR, OCT etc. in future.
20	Input Power: 200 -240 VAC and 50/60 HZ
21	**Accessories**
	· Reusable pullback device (5 Nos.)
	· Color printer (01 No.)
	· CD/DVD writer built-in
	· IVUS Catheters – 10 nos.
22	**Optional**
	· In line display, Automatic border Detection
	· Clear Visualization of Blood Flow, Improved detection of Blood Flow, Dissections, Stent appositions
	· Color distinctions of plaque composition.
23	Prices of all accessories like pullback device, IVUS catheter, guidewire etc. to be quoted separately for future purchase.
24	Prices of the accessories should freeze for at least three years from the time of installation.
25	The same machine must have been installed in India earlier and its satisfactory working certificate has to be attached.
26	Manufacturing company has to give undertaking regarding maintenance of the system and availability of accessories and spare parts for next ten years.
27	The machine should come with required UPS and should be compatible with standard Indian electrical sockets.
28	It should have standard electrical safety norms.
29	The spare parts should be easily available and the technical staff should be available in Jodhpur or Jaipur or Delhi.
30	Training of the departmental staff at the site will be required.
31	The system should come with the required log book and user manual in English.
32	Latest authorization certificate **in original** should be attached with the quotation, failing which their tender application will be rejected. Photocopy/Xerox copy of authorization certificate will not be accepted.

Item Sl. No. 20
Tilt Table (Motorised)

1)	Table should have electric height adjustment control via remote from 46 to 84 cm
2)	It should have electric tilting control via remote.
3)	Both control can be adjust by two function hand remote.

4)	Table should tilt full 90 degree
5)	tilt tables motor should have 12- 14 mm/sec speed at unloaded and 6 -7 mm/sec speed at full load.
6)	It should have Battery Back-Up to bring the patient down in case of power failure
7)	It should have facility of lowers to wheelchair height
8)	It should have good quality large braking castors
9)	It should indicate tilt angle.
10)	Table should have minimum 200 kg weight bearing capacity of patient.
11)	Table top should have minimum 61cm wide x 198cm long x 80cm high
12)	Table should have minimum Three fixation belts:- Thoracic, Pelvic, Knee
13)	Table should have work table attachment.
14)	Should be USFDA or European CE certified.

Item Sl. No. 21
Electric operated sternum system

1	**Driving Unit** Completely enclosed Motor 220V / 5 amp AC/DC with MCB Supported on a Mobile Folding Stand (Stainless Steel tubes & M.S. square bars, with castors). Should include a Foot Control, (Stainless Steel Body) with step-less speed control & ON / OFF switch with fuse.
2	**Reciprocating Saw Pistol Grip Hand piece (Autoclavable)**
a	Reciprocating Type Blades
b	Weight 850 gms. Approx.
c	Set of 30 blades (hardened & tempered high quality stainless steel)
3	**Resternotomy Saw Hand Piece (RD)(Autoclavable)**
A	Oscillating blade type
B	Sector type blade.
C	Weight approx. 750 gms.
D	Should be supplied 20 blades
4	**Flexible Shaft (Autoclavable).**
A	Length 2 mtrs.
B	Weight approx. 1000 gms.
C	Push-Pull type ends.
D	Spring loaded.
5	Company should be ISO 9001, 13485
6	Product should be CE or USFDA or BIS Approved

S. No.	BOQ	Qty	UOM
1	Driving Unit	1	Nos.
2	Reciprocating Saw Pistol Grip Hand piece (Autoclavable)	1	Nos.
3	Resternotomy Saw Hand Piece (RD)(Autoclavable)	1	Nos.
4	Flexible Shaft (Autoclavable).	2	Nos.
5	Re-Do saw blade	20	Nos.
6	Reciprocating Type Blades	30	Nos.
7	Autoclaving Box for hand pieces and shaft	2	Nos.

Item Sl. No. 22
Surgical LED head light

1	Integrated battery/battery light source that allows more freedom of movement.		
2	No separate light source required		
3	No separate light cable required		
4	No mains supply required		
5	Low energy consumption		
6	No need to change the lamp (At least 25,000 hours of service life)		
7	Available with rechargeable battery option		
8	white light		
9	Luminosity adjustable from 10 to 100 mm at a working distance of 40 cm		
10	Soft flexible headband		
11	Ergonomic fit		
12	Easy vertical and horizontal adjustment to the shape of head		
13	Extension cable for attaching the rechargable battery and batery box to the clothing		
14	**Product should be European CE approved (with 4 digit notifying body no) or USFDA Approved.**		
	BOQ	**Qty**	**Uom**
1	LED Head Light Band 1 no	1	Nos
2	rechargebale battery 3 nos	3	Nos
3	Battery charger 2 nos	2	Nos
4	Box for head light band and spares 1 no	1	Nos

Item Sl. No. 23
Surgical Xenon head light and light source

1	Surgical Xenon head light with light source on professional head band, headlight OEM Floor stand with 9ft (275cm) premium bifurcated cables, headlight module and gown clips , headband should be lightweight material that's washable and breathable		
2	Lightweight and flexible 3mm cable, Translucent/semi translucent outer sheath for visualization of fiber integrity,. Cool and bright light. Vibrant color rendition.		
3	Xenon bulb life should be min 1000hrs. If it stops working before 1000hrs then it should be replaced free of cost		
4	Simple 2-point adjustment, comfortable to fit for all heads of all sizes : 2 nos. Easy to reach 4-position intensity switch		
5	White Light should Deliver True Color.		
6	It Should Delivers Cool White IR Filtered Light.		
7	It should have One Rotating Turret For Compatibility With most Industry Standard Cable Fittings. Above 30000 lux of illumination.		
8	Continuously adjustable spot size and brightness control, super high output Xenon.,		
9	OEM Floor stand /trolley with large casters- 75mm, 10° angle for better viewing of LCD display. Display of bulb life and intensity must		
	i. Light source and surgical head light should be of the same company and compatible.		

	ii. Bulb life or guarantee should be clearly mentioned and one spare bulb must be provided		
	iii. Product should be European CE approved (with 4 digit notifying body no) or USFDA Approved.		
	BOQ	**Qty**	**Uom**
1	Xenon Light source 1 no	1	Nos
2	Head light band with fiber optic cable 2 nos	2	Nos
3	Spare bulb 1 no	1	Nos
4	OEM Floor stand/Trolley 1 no	1	Nos

Item Sl. No. 24
Ultrasonic Surgical Aspirator/Disscetor(CUSA)

1	Ultrasonic Aspirator / Dissector – It should be able to deliver precise fragmentation irrigation & aspiration in the single hand piece.		
2	The hand piece should work on Piezo Ceramic/piezoelectric Technology.		
3	The system should have wide range of variety of hand pieces for different applications.		
4	The system should have at least two different range of working frequency hand pieces(25, 34/35 kHz). If system supports 55KHz also then quote separately		
5	The system should have facility for irrigation (external or internal) for hand pieces		
6	The handpiece should be provided with multiple tips (both straight with angled at the tip and straight) for aspiration.		
7	The hand piece and its cables should be autoclavable		
8	The system should have facility to recognize the hand piece frequency automatically.		
9	The system should be with different alarms to indicate malfunction, overload etc.		
10	The system should have irrigation flow rate of 40 ml / min or more		
11	The system should have Aspiration / Vacuum of 0.6 bar or more		
12	Output Power - 100 watt		
13	Power source - 230 AC +/ -10% / 50 Hz. +/-5%		
14	Trolley for the machine is to be provided.		
15	Should Have European CE with 4 digit notifying body no/ USFDA Approved certificate to be provided.		
	Added para: Accessories		
	A. For 25kHz hand piece:		
	(i) Standard tips for micro length 11cm or more and 12 cm or more - Qty 05 each		
	(ii) Standard tips for Macro 11cm or more - Qty 05		
	(iii) Standard tips for high fibrotic lesion (standard) outer diameter 1.9mm, length 11cm or more and 2.40mm, length 11cm or more - Qty 05 each		
	(iv) Tip for up roofing the bone (bone sculpting):		
	a. length 7.5in, length 20cm or more - qty 05		
	b. 3.8in, with length 9.5cm ore more - qty 05		
	c. 4.5in, with length 11cm or more- qty 05		
	d. 3.5in or more, length 7.5in or more with 2.5mm outer diameter or more - qty 05		

	(v) Ring type tip with outer diameter 3.75mm or more - Qty 05		
	B. For 34/35 kHz hand piece: Straight tip with length 12cm or more - Qty 05 no's		
	Other Accessories		
	1. Step Torque wrench, Offset (7mm)		
	2. Plastic Suction Canister, Reusable, qty 5 no's.		
	3. Disposable Suction Canister Liner, qty 10 no's.		
	4. Disposable Tubing Set & Extender Filter Tubing, qty 10 no's.		
	5. Sterilization Tray (7mm)		
	All disposables and consumables items rate should be quoted separately and it should be fixed for 2 years		
SN	**BOQ**	**Qty**	**UOM**
1	Ultrasonic Aspirator as specified	1	Nos.
	A. For 25kHz hand piece:		
2	Standard tips for micro length 11cm or more and 12 cm or more - Qty 05 each	5	Nos. each
3	Standard tips for Macro 11cm or more - Qty 05	5	Nos.
4	Standard tips for high fibrotic lesion (standard) outer diameter 1.9mm, length 11cm or more and 2.40mm, length 11cm or more - Qty 05 each	5	Nos. each
5	Tip for up roofing the bone (bone sculpting):		
	a. 7.5in, length 20cm or more - qty 05	5	Nos.
	b. 3.8in, with length 9.5cm ore more - qty 05	5	Nos.
	c. 4.5in, with length 11cm or more- qty 05	5	Nos.
	d. 3.5in or more, length 7.5in or more with 2.5mm outer diameter or more - qty 05	5	Nos.
6	Ring type tip with outer diameter 3.75mm or more - Qty 05	5	Nos.
7	**B. For 34/35 kHz hand piece:** Straight tip with length 12cm or more - Qty 05 no's	5	Nos.
8	Step Torque wrench, Offset (7mm)	1	Nos.
9	Plastic Suction Canister, Reusable, qty 5 no's.	5	Nos.
10	Disposable Suction Canister Liner, qty 10 no's.	10	Nos.
11	Disposable Tubing Set & Extender Filter Tubing, qty 10 no's.	10	Nos.
12	Sterilization Tray (7mm)	10	Nos.

Item Sl. No. 25
Vascular Doppler for coronary Graft

1	8MHz, 10MHz and 20MHz Bi-Directional Probe with safety cap - 1 each
2	Multi frequency probes (2,4,5,8,10 & 20 MHz) Facility.
3	Detachable probe facility.
4	Multi frequency intra operational probe capability.
5	PPG (Photo Plethysmograpy) for Artery and vein Study
6	External Key Board provision for entering patient information.
7	Mode setting Language : Memory (store, Read & Clear), Direction , Scales (Time & Unit)
8	Suitable PC & color printer with trolley should be supplied along with the machine
9	LCD Display : (i) with back light (i) Real time waveform with Automatic gain and base line control (ii) Numerical date (Blood velocity , resistance parameter, Pulsatility index, Heart rate 32-300 BPM) (iii) Battery level and low battery indicator
10	Memory : 30 waveform

11	Interface : USB interface with software for transferring waveforms & Numberical data to computer. (DICOM Compatibility)
12	Battery : Rechargeable battery
13	Probe button : Freeze & Print

Item Sl. No. 26
Insulin Pump with Integrated CGMS

1	Dimensions :10*8*3 cm or lower volume (Pump & body both combined)
2	Weight: 120 grams or lower
3	**Battery : Rechargeble battery with shelf life of 2 weeks or more with total life of battery of minimum 6 months. Battery to be replaced every 6 months for initial 2 years.**
4	Insulin: Prefilled cartridges or reservoir
5	holding > 150 U;
6	Flow accuracy +/- 7 %
7	Closed loop system defined as realtime feedback between CGMS and pump system with algorithm assisted necessary action.
8	8.Bolus Calculator: Automatic calculator for bolus of required insulin dose for meals and hyperglycemic corrections using personal settings, blood glucose reading ,carbohydrates entries with memory of pre-entered insulin to carbohydrate ratio and correction factors or algorithm.Should consider "insulin on-board" for these calculations.
9	Bolus delivery:Normal ,Dual wave
10	Water Resistant
11	Low reservoir alert.
12	Delivery accuracy: +/- 0.05 units
13	Alarm mode:Beep or Vibrate
14	Alarms for occlusion of tubing,low battery,high/low sugar values,stoppage of infusion for any reason.
15	Memory alert of atleast 30 basal/bolus deliveries and atleast 48 hours for CGM.
16	**Accessories:**
	Software and data cable for downloading data from pump/ CGM to computer **Consumables to be supplied initially (Price of all these items should be quoted separately & it will be valid for 5 years):**
a)	**Standard insulin reservoirs/cartridges - 30 Nos**
b)	**Tubing/Infusion sets - 30 Nos**
c)	**Glucose sensors - 15 Nos**
17	**One extra data cable to be provided.**
18	Patient education support:Before and after starting insulin pump.
19	Should not cause any skin reactions on long term body contact.
20	USFDA / European CE approved for use in both adult and pediatric patients.
	Added para:
	Accessories will be covered under warranty however, consumables & single use items will not be covered under warranty.

Item Sl. No. 27
Endoscopic washer and disinfector system

A	Automated Endoscope cleaning & Disinfector (RE-PROCESSOR).
1	Fully automatic microprocessor based endoscope re- processor. Should have facility of Re-processing of at least one endoscope per cycle.
2	**Should be with single door with front/top loading system with glass window and light inside the**

	chamber.
3	The system should able to re-process all type of Flexible endoscopes, Gastroscopes, Colonoscopies, Duodenoscopes, Rigid endoscopes, Enteroscopes etc per cycle.
4	Should have Touch control panel with LCD Color display with highlighting of remaining cycle time to cycle completion.
5	Should have integrated sterile air filter (0.2µm) for channel purging and drying.
6	Should be with integrated endoscope channel monitoring system with 2 independent sensors.
7	Should have leak test at the beginning of the cycle and also should have continuous monitoring during all the phases with automatic cycle stop in case of emergency.
8	Should have conductivity sensor and two chemical dosing pumps and also should have option for 3rd dosing pump.
9	Should be compatible and tested with Peracetic acid (Cold disinfection) and Glutaraldehyde (thermo-chemical disinfection).
10	Should have process documentation through external printer or USB interface.
11	Should be supplied with washing cart for Flexible endoscope, rigid scopes and should also supply complete range of manufacturer specific adaptors and connectors for the different endoscopes re-processing.
B	Specification for Drying cabinet for Flexible endoscopes.
1	**Microprocessor based automatic Drying and Storage cabinet for endoscopes with capacity of storage of at least 5 flexible endoscopes**
2	The frame and panel of the drying and storage cabinet should be made of high quality medical grade Stainless steel with Single door made in Medical grade Tempered glass.
3	The storage and drying cabinet should be supplied as standard version cassettes and endoscope fast connections.
4	Should have option for BARCODE or RFID for instruments/ operator recognition.
5	Should have fully expendable drawers & vertical storage position as well.
6	The storage cabinet should have high level HEPA class 14 air filtering and indirect UV air treatment.
7	Equipment should be US-FDA/ European CE certification with 4 digit notified body number/BIS approved for the quoted model
8	Should provide all consumables for 200 cycles.
9	The prices of all consumables and accessories should be quoted separately which will be fixed for a period of 5 years

Item Sl. No. 28
PD Cycler

1	**Description of Function**
1.1	Automatic peritoneal dialysis (PD) Cycler are intended to treat renal failure, partially replacing kidney function by removing metabolic wastes through selective diffusion across the peritoneum.
2	**Operational Requirements**
2.1	Should be portable and weight less than 15kg
3	**Technical Specifications**
3.1	Should have built in heater for warming the Fill solution at body temperature(35-37 deg C)
3.2	Should be able to measure fluid flow and volume.
3.3	Disposable set should have cassette/equivalent and tubing lines pre loaded on an organizer for simplified set up.
3.4	Machine should calculate automatically the number of cycles and Dwell time per cycle once the patient enters the total therapy time,total volume and fill volume.
3.5	Should perform a self check before starting the treatment.
3.6	Should have built in Nurses Menu and Service Menu.
3.7	Should have a built in Therapy Log and Alarm Log for simplified troubleshooting.

3.8	In case of power failure the machine should have a battery back up upto 2 hours for remembering the status of the therapy and it resumes from the cycle from where it was left.		
3.9	Therapy Parameters Limits and Increments:		
1	Therapy volume: 200-65,000 ml increments of 50 ml from 200 to 2000 ml,100 ml from 2,000 to 5000 ml and 1000 ml from 5,000 to 65,000 ml		
2	Therapy Time: 10 min to 48 hours in increments of 10 min.		
3	Fill Volume: 100-3,000 ml in increments of 10 ml from 100 to 500 ml , 50 ml from 500-1,000 ml and 100 ml from 1,000 to 3,000 ml.		
4	Last fill volume: 0 ml , 100 ml to 3,000 ml in increments of 10 ml from 100 to 500 ml , 50 ml from 500-1,000 ml and 100 ml from 1,000 to 3,000 ml.		
3. 10	Should be able to perform CCPD, hi Dose CCPD, tidal and hi dose tidal.		
SN	**BOQ**	**Qty**	**UOM**
1	System as specified	1	Nos

Item Sl. No. 29
Air Oxygen blender

	Technical Specifications
1	High quality corrosion resistant stainless steel
2	Able to supply FiO2 : 21 to 100% with accuracy of +/- 3%
3	Flow rate 3-15lpm
4	Compatible with standard fitting
5	Compact unit
6	Supplied with two outlets with flow meters
7	CE/FDA approved product .
8	Should be wall mountable
9	Bidder should carry out calibration of the equipment in every 6 months

Item Sl. No. 30
Bubble CPAP Machine

	Bubble CPAP machine (Without air compressor) for use In preterm and term neonates		
	TECHNICAL SPECIFICATION		
1	Should be light weight, easily portable, reliable and sturdy.		
2	**CPAP generator:**		
a	Pressure setting from 3 to 10cm H2O		
b	Should have a detachable overflow container		
c	Should deliver the intended pressure constantly and accurately (± 1cm)		
d	The gradations (on the sliding rod) should be easily visible from a distance of 4 feet		
3	**Air-oxygen blender**		
a	FiO2 concentration should be adjustable (21-100%) and accurate (±3%)		
4	**Humidifier:**		
a	**Should automatically regulate the necessary temperature (37^0C)**		
b	Should have a closed system for filling-up the required water level		

c	Should display the chamber temperature and/or the temperature at patient end		
d	Should have ports for attaching a temperature probe as well as heater wire		
5	**Patient circuits:**		
a	Should have the option of using both disposable and reusable circuits.		
b	Thermoregulation – with both manual and servo modes; (temperature probe, heater source, and a thermostat mechanism are essential)		
c	**Oxygen therapy – air/oxygen blender and flow meter**		
d	Disposable circuits should be readily available and reasonable priced		
e	Should have /be able to accommodate a heater wire; heat loss should be minimal along its length.		
6	**Safety Features**		
a	Limiting the delivered pressure in the event of an occlusion		
b	High/low pressure alarm		
c	A stand or arm support for holding the nasal tubing in support.		
d	Should be US FDA or European CE with 4 digit notified body no approved product		
7	**Other features:**		
a	Sturdy wheels for easy portability		
10	Following consumables with be supplied with each unit:		
a	Nasal prongs (with each unit) - 10 each (Small, medium, large)		
b	Nasal interface - 20 nos		
c	Reusable tubes 2 sets		
d	CPAP generator 10 sets		
e	100 disposable complete sets for delivery of CPAP excluding nasal prongs with each unit per year for 3 years (total 100 nos. per year i.e. 300 no in 3 years)		
f	Nasal mask (10 each of 3 different sizes) - user will decide the size at the time of delivery		
g	Head Bonnet (10 each of 4 different size) - user will decide the size at the time of delivery		
SN	**BOQ**	**QTY**	**UOM**
1	System as specified	1	Nos
2	Nasal prongs (with each unit) - (Small, medium, large)	10	Nos Each
3	Nasal interface	20	Nos
4	Reusable tubes	2	sets
5	CPAP generator	10	sets
6	Nasal mask (3 different sizes)	10	Nos Each
7	Head Bonnet (4 different size)	10	Nos Each

Item Sl. No. 31
Cystoscope and Resectoscope - Paediatric

Sl.No	Cystoscope and Resectoscope - Paediatric	
I	**Cystourethroscope for Neonates**	**Qty**
	Compact universal cystourethroscope should have distal tip of **8.5-9.5 Fr**. Angle of view should be 10/12 degree, which has working channel of **3.5-6 Fr**.	
	Compact universal operating cystourethroscope **6 -7.5 Fr, 5-6** deg angle of view. **3-6.5** Fr working channel, working length 120-150mm with irrigation channel	
A).	**Telescopes:**	
1	It should be Telescope (one each) Autoclavable 134 deg. c/273 deg.F with enlarged image & brightness size **1.2 - 1.9mm**, 0 deg length **15-20**cm - 1 No	1 no.
2	Telescope (one each) Autoclavable 134 deg. c/273 deg.F with enlarged image & brightness size 1.2 - 1.9mm, 25 or 30 deg **15-20**cm - 1 No	1 no.
B).	**Sheath with obturator with fixed irrigation channel with stop cock**	
1	Size 7-8 Fr. (one each) for diagnostic use compatible with 0 ° telescope	1 no.
2	Size 8-9 Fr. (one each) with instrument port capacity **3Fr or more**	1 no.
3	Size 9-10 Fr. (one each) with instrument port capacity **4 to 5 Fr**	1 no.
C).	**Electrode : (three each)**	
1	**Button electrode, flexible , uniploar , 530 mm length and 3 Fr. Size**	3 nos.
2	It should be Button electrode, flexible, unipolar, 400-600mm length and **4 Fr/ 5 F**r. size	3 nos.
II	**Resectoscope - for Neonates**	
A.	**Sheath with obturator with fixed irrigation channel with stopcock with distal end insulated Size 9 Fr. (one each) with instrument port.**	1 no.
B.	Working element (bridge) with spring controlled thumb support and with monopolur cable attachment port and one port for telescope and one slot for working element- 01 Nos.	1 no.
C.	1.9 mm 0 ° telescope to match the Resectoscope and working element	1 no.
	1.9 mm 30 ° telescope to match the Resectoscope and working element	1 no.
	Accessories:	
d).	Electrodes	
1	Set of 6 hook electrodes – 2 Nos	2 nos.
2	**Cold Knife – set of 6 knife – 1 Nos** **Urethrotome sheath 8-10Fr - 1 no**	1 no.
e).	Forceps	
1)	Rigid/flexible grasping forceps: for Stent Removal Length *25-30* cm, size – 3Fr. (*one*)	1 no.
2)	Rigid/flexible grasping forceps: for Stent Removal Length not 25-30 cm, size – **3 to 5 Fr**. (one)	1 no.
3)	Biopsy forceps:	
	Flexible forceps: Length not <25 mm, size 3 Fr. (one)	1 no.
	Flexible forceps: Length not <25 mm, size **3 to 5 Fr**	1 no.
3)	**Cystouretheroscope for children**	
A	Telescope	
	Telescope - Autoclavable 134 °C/ 273 °F, with enlarged image and brightness Size 2.7 mm, 0° - 01No.	1 no.
	Telescope - Autoclavable 134 °C/ 273 °F, with enlarged image and brightness Size 2.7 mm, 30° - 01No.	1 no.
B	Sheath with obturator with fixed irrigation channel with stop cock	
1	Size 11 Fr. - for diagnostic use with 0° telescope	1 no.
2	Size 13 Fr. - with two instrument ports capacity	1 no.
4)	**Resectoscope - for Children**	
A.	**Sheath with (insulated tip) obturater with fixed irrigation channel with stopcock with distal end insulated Size 11-13 Fr. with instrument port .**	1 no.

	Deleted	1 no.
B.	Adaptor (Bridge)	
	For examination with instrument port	1 no.
D.	Compatible working element with passive cutting action	1 no.
E.	Accessories	
a.	Electrodes	
1	Coagulating electrode for resectoscope with telescope of 2.7 mm, angled 90 ° retrograde, Hook electrode set of 6	1 set
2	Cold knife (Sickle) set of 2.7mm set of 6	1 set
3	High frequency cable for fulguration	4
4	All above equipment should be US-FDA orEuropean CE approve product.	
5	All the items will be purchased from one L1 firm due to compatibility issue. Any firm not quoting any item will be excluded for the sake of uniformity of the purchased item	

Item Sl. No. 32
Irradiance Meter for phototherapy

	Technical Specifications		
1	Handheld irradiance meter (spectro radiometer) for measurements the output of LED phototherapy machines.		
2	Bandpass filters, max transmissions: 425 to 475 nm		
3	Light detector , range : 0 to 40 uW/cm2/nm		
4	Results expressed in uW/cm2/nm only.		
5	Minimal graduation : 0.1 uW/cm2/nm		
6	Accuracy: (± 3%)		
7	Total block for IR and UV		
8	Large LED /LCD display		
9	On switch and auto off		
10	Automatic zero setting between measurements		
11	Measuring time , approx. 5 seconds		
12	Power requirements : 220 V /50 Hz (with adapter) or re-chargeable batteries (approx. 6 hrs)		
13	Device is produced by ISO 9001 certified manufacturer (Certificate to be submitted		
14	Should be CE/ FDA/BIS approved product.		
15	Supplied with high quality storing case.		
SN	**BOQ**	**QTY**	**UOM**
1	System as specified	1	Nos

Item Sl. No. 33
LED Phototherapy Unit

	Technical Specifications		
1	Heavy sturdy mobile stand		
2	Overhead unit		
3	Adjustable height 1.20 meter to 1.6 meter		
4	LED light(with white light option)		
5	Wavelength : 450 to 475nm with peak at 470 nm		
6	Irradiance at skin level : min 25 uW/cm2/ nm or more (Should not exceed 65) at 30cm from the source		

7	Integrated cumulative hour timer		
8	Antistatic castors with brakes		
9	Inbuilt mechanism to avoid overheating of the unit		
10	Power cut off for ≥ 85 ºC.		
11	Should have removable head.		
12	Should be European CE or US FDA approved product		
13	Life of LED light source should be more than 50000 hrs		
	Spare set of fuses : 5		
SN	**BOQ**	**QTY**	**UOM**
1	System as specified	1	Nos

Item Sl. No. 34
OAE Machine

1	**TEOAE**		
a	1.5 to 4 kHz		
b	Sample Rate - 16 kHz		
c	Stimulus Level- ca. 80 dB SPL peak		
2	**DPOAE**		
a	DP 2 to 5 kHz		
b	Frequency Ratio f2/f1- 1.2		
c	Level Ratio L2/L1- Scissor Paradigm		
d	Measurement Interval- 512 samples		
e	Frequencies f2- 1.5, 2, 3, 4, 6, 8, kHz (single & multiple selections possible)		
f	Stimulus Levels L2- 35 to 65 dB HL (in steps of 5dB)		
g	Should be battery operated, backup of atleast 10hrs or 250-300 tests after full charge		
h	Multiple test methods		
i	Database for at least 200 tests		
j	Data transfer to PC via USB or wireless		
k	Printing via PC/ Printer(Software should be included)		
l	Stimulus intensity: 40 to 70 dB SPL (DPOAE). 83 dB		
m	Maximum output (Protection): 90 dB SPL.		
n	**Power supply: Rechargable battery**		
3	Display: LCD-display 4 line x 10 character.		
4	**Deleted**		
5	Should have cavity test to check probe maintenance.		
6	Should have adjustable noise floor.		
7	Should have neonate modes for newborn hearing screening		
8	Should have reusable ear tips of different size & both foam types.		
9	All accessories should be from the same manufacturer and should be European CE/ US FDA approved		
SN	**BOQ**	**QTY**	**UOM**
1	System as specified	1	Nos

Item Sl. No. 35
Open Care System

1	Neonatal open care system should have integrated bassinet, heating element, timer and weighing scale		
2	The body structure should be roubust so that it should not bent on itself		
3	Warmer module swivel 90° on either side horizontally		
4	Examination light - LED: light intensity 0-1200 Lux Facility for an examination light with variable intensity should be present		
5	Heating element: Heater output should be <= 600 W , medical grade with parabolic reflector and protected by grid, warming system with microprocessor based controls, probes & alarms.		
a	Heating element should be covered under warranty		
6	Should have uniform heating from all points over the bassinet		
7	Control unit allows air and skin temperature preset (LED indicator) and drives radiant heater output (servo and manual).		
8	**Bassinet tilt**		
a	Should allow tilt for Trendelenburg as well as reverse Trendelenburg position (+/- 15 deg)		
b	Should have continuous variable bed tilting mechanism for a bed tilt on either side		
c	Should have motorized variable height adjustment mechanism to vary the cradle / baby bed between from the ground, should be able to adjust height of the bed from either side of the warmer		
d	Should have inbuilt weighing scale which can weigh ranging from 200gm to 7kg (with +/-5gm accuracy) with Tare facility		
e	Should have side support and can be droped down for easy access to the baby, the mechanism for the same should be roubust		
f	Adjustable bassinet height from ground should be minimum 80-85 cm and max 100-110cm		
9	Should have mattress and it should be seald in such a way that it should not allow ingress of liquid		
10	Integrated timer on control panel: 1 to 59 minute in 1 sec increment (min 20 minutes), with count-up /count-down feature and with alarm facility		
11	Temperature range, skin : 34 to 38°C (use pre-settable)		
12	Temperature accuracy of +/- 0.1°C at the set temperature		
13	Monitoring of skin temperature by means of sensor, range ; 30 to 42°C (Sensor should cover under both warranty & CMC)		
14	**Manual mode**		
i	Adjustable in steps from 0 to 100% in increments of 5%		
ii	Heater power should be reduced to 50 - 60% after 10-15 minutes in manual mode for baby safety		
15	Control unit :		
a	Audiovisual alarms according to timer and temperature presets avoiding overheating/under haeting (+/- 0.5 deg C from preset)		
b	Text messsage alarms readable from distance		
c	Provision to silence alarm manually for a preset time		
16	Under table 2 no. of storage drawers		
17	Two side rails allow for mounting of accessories		
18	Hood suspended above the basinet integrates heating elements and overhead light		
19	Antistatic castors with 4 brakes		
20	Display reports systems errors, sensor failures.		

21	Should have a slot for X-Ray cassette without removing baby and suitable for babygram		
22	Operating voltage 220-240 V 50Hz and equipment should have voltage surge protection facility		
23	It should be European CE (with 4 digit notified body no.) or US FDA approved product.		
	Supplied with:		
1	Additional 5 reusable skin temperature probes (including connection cables)		
2	Price of the consumables should be quoted for 10 years separately		
SN	**BOQ**	**QTY**	**UOM**
1	System as specified	1	Nos
2	Reusable skin temperature probes (including connection cables)	5	Nos

Item Sl. No. 36
OT Table - (Paediatric)

1	Should be a Mobile OR table with **electrical hydraulic/Electromechanical** drive via integrated batteries and mains power supply.		
2	Should have adjustment for base locked / unlocked via hand control **or by foot peda**l unit by means of a four post, self-levelling hydraulic locking system.		
3	**Deleted**		
4	Characteristics of the OR table top: OR table top is equipped with for unobstructed intraoperative access for the C-arm over the full length. Table top subdivided into 4 sections:		
a	Head rest, with up / down articulation		
b	Back rest, detachable		
c	Pediatric Plate (incl. removable pad; radiolucent; integrated side rails to attach further accessories; scalloped to allow close access to the pediatric patient)		
d	Seat plate with perineal cut-out		
e	Leg rest, detachable		
5	Should have a Powered kidney elevator **/ Kidney bridge position**		
6	For additional flexibility, the back section is completely detachable which allows for the use of several positioning accessories designed		
7	Should have guide rails underneath the table top to allow for inserting of X-ray cassettes over the complete length, including the area of the central seat section.		
8	Control of the adjustment motions:The adjustments of the hydraulically powered motions are controlled electrically from outside the intervention area via cable connected hand control.		
9	All powered functions can be controlled **manually or by electrical override system.**		
10	Battery-powered / mains operation:Maintenance-free special-design batteries, with a capacity for approx. 20 or more surgical operations. The battery charge-level should be indicated.		
11	Technical data:		
a	**Deleted**		
b	**Deleted**		
c	Length of OR table top without head rest: **1500 mm or more**		
d	Width of OR table top: **400 mm or more**		
e	Total width of OR table top incl. side rails: **400 mm or more**		
f	**Deleted**		
g	**Deleted**		

h	**Radiographic width : 400mm or more**		
i	Total length table base: 1072 mm		
j	Max. width of base: 520 mm		
k	**Deleted**		
l	Height: 635-1075 mm		
m	Height incl. pads: 685 – 1125 mm		
n	**Powered kidney position : 220 degree**		
o	Lateral tilt left / right: 20° / 20°		
p	Trendelenburg / Reverse Trendelenburg: 30° / 31°		
q	Back plate up / down: **70° / 40°**		
r	Leg plate up / down: **30° / 90°**		
12	**Accessories:**		
a	Arm Board multi directional and flexible		
b	Side supports and body supports		
c	Pediatric Stirrups, Pair -lift assist mechanism for easy one-hand adjustment for lithotomy positioning; soft pad and contoured boot comfortably secures pediatric patient's foot and lower leg. Special boot design to fit pediatric anatomy.		
d	for patients ages 3 - 6 years old Junior Stirrups, Pair - lift assist mechanism for easy one-hand adjustment for lithotomy positioning; soft pad and contoured boot comfortably secures pediatric patient's foot and lower leg. Special boot design to fit children's anatomy.		
e	Body straps padded		
f	Wrist straps		
g	Anesthesia Screen		
h	Anesthesia tube support		
i	Gel rings – pediatric		
j	Gel pads one set with pads for head trunk and feet.		
13	**Should be BIS or US-FDA or European CE with 4 digit notified body number or Declaration of conformity along with ISO 13485 from notified body for the quoted mode**		
SN	**BOQ**	**QTY**	**UOM**
1	OT Table as specified	1	Nos
2	Arm Board multi directional and flexible	1	Set
3	Side supports and body supports	1	Set
4	Pediatric Stirrups, Pair -lift assist mechanism	1	Set
5	for patients ages 3 - 6 years old Junior Stirrups, Pair - lift assist mechanism	1	Set
6	Body straps padded	1	Set
7	Wrist straps	1	Set
8	Anesthesia Screen	1	Set
9	Anesthesia tube support	1	Set
10	Gel rings – pediatric	1	Set
11	Gel pads one set with pads for head trunk and feet.	1	Set

Item Sl. No. 37
Paediatric neuroendoscope

1	Straight-Forward-Tele- scope 6 °, enlarged view, auto- clavable, with angled eyepiece, with instrument channel diameter 3 mm, fiber optic light transmission incorporated, diameter 4 mm
2	Straight-Forward-Tele- scope 0 °, enlarged view, auto- clavable, with angled eyepiece, with instrument channel diameter 3 mm, fiber optic light transmission incorporated, diameter 4 mm

3	Wide Angle Forward- Oblique Telescope 30°, enlarged view, diameter 4 mm, length 18 cm, autoclavable. Fiber optic light transmission incorporated.
4	Holding System, autoclavable, consisting of: Socket to clamp on the operating table, for use with standard rails, also suited for rails from 25x10 up to 35x8 mm, with lateral clamping element for height adjustment of the articulated stand. Articulated Stand, reinforced version, L-shaped, with one mechanical central clamp for all five joint functions, height 48 cm, operating range 52 cm Clamping Jaw, metal, with axial intake, for use with instrument and telescope sheaths, clamping range 4.8 up to 12.5 mm
5	Operating Sheath, O.D.: 6.5 mm, with graduated scale, with lateral stopcock and Inlet for catheter, with obturator for stereo-tactic positioning.
6	Ventriculostomy Forceps, diameter 1.7 mm, working length 30 cm
7	**Deleted**
8	Grasping Forceps with teeth
9	Biopsy Forceps
10	Scissors, pointed, lightly curved jaws, double action jaws, diameter 1,7 mm, length 30 cm
11	Injection Needle, flexible, diameter 2.5 mm, working length 45 cm, disposable
12	Puncture Needle
13	Coagulating Electrode, bipolar, 5 Fr.
14	Coagulating Electrode, unipolar, semi flexible, working length 28 cm, Diameter 5 Fr.
15	Irrigation Tube, autoclavable, with LUER-Lock connection
16	Sheath insert for use of 30°-, 70°-, 120° diagnostic telescope through operating sheath
17	Sheath insert for use of 0° diagnostic telescope through operating sheath
18	Adaptor, autoclavable, for facilitating changing of telescopes in sterile conditions
19	Container for keeping and sterilising instruments and Silicon oil 10 uniits
	Price of all the above items should be freezed for 7 years.

Item Sl. No. 38
Paediatric URS

1	**Description of Function**		
	Minimally invasive Fibre optic, endoscopic instrument for diagnosis and treatment of diseases of ureter and kidney.		
	Operational Requirements		
2	Integrated fibre optic semi rigid ureteroenoscope for using in pediatrics upper urinary tract endoscopic surgery.		
3	**Technical Specifications**		
3.1	Long Arm (Working Length – 350 mm or less) Autoclave with offset Eyepiece, Distal sheath tip 4.5 Fr. - 6.5 Fr. Atraumatic Viewing angle 5 -10 degree, with laterally placed eyepiece. - 1 no. Channel size 3 Fr or more		
3.2	Appropriate formalin chamber.		
4	**System Configuration Accessories, spares and consumable**		
4.1	System as specified		
4.2	URS alligator forceps (largest compatible with ureteroscope) – 2nos.		
4.3	URS tripronge forceps (largest compatible with ureteroscope) – 4nos. (Can be from other manufacturer.).**Shuld be US FDA/ European CE certified with 4 digit notified body no.**		
4.4	Path finder - 2 no (should be European CE or USFDA approved, can be from the other manufacturer)		
4.5	All consumables required for installation and standardization of system to be given free of cost.		

5	**Standards, Safety and Training**		
5.1	Should be European CE or USFDA approved product.		
SN	**BOQ**	**Qty**	**UOM**
1	Ureterorenoscope set as specified	1	Set

Item Sl. No. 39
Pediatric Open Surgical Instruments

	1)**Pediatric Retractor System-1 No.**		
	a. Flexible Table mounted retraction system for Pediatric Patients of all sizes 01		
	b. Adjustable for smaller operative fields		
	c. Should have small, indepedentally-adjustable and removalble frame arms to follow the contours of any pediatric operative field		
	d. Should allow for multi-plane, multi-position hands-free retraction		
	e. Should allow for fast and accurate set up		
	f. Should be US FDA/European CE Approved		
	g. Should be supplied with following components -		
	I. Sterile Field Post – attachable to the operating table – 1		
	II. Support Arm – 1		
	III. Small Curved (wishbone) frame arm – 2		
	IV. Snap on Clamps for attaching retractors – 6		
	V. Rake Retractor (2.2x1.3 cms) – 1		
	VI. Rake Retractor – 2.2x 2.5 cms) – 1		
	VII. Mayo Swivel Retractors (5cms x 5cms)- 2		
	VIII. Mayo Swivel Retractors (7 cms x 5 cms) – 2		
	IX. Mayo Swivel Retractor (2.5 cms x 2.5 cms) – 1		
	X. Mayo swivel retractor (5 cms x 3.8 cms)- 2		
	XI. Malleable Swivel Retractor – (2.5 cms x 2.5 cms) – 1		
	XII. Malleable Swivel Retractor – (1.3cms x 2.5 cms) – 1		
	XIII. Malleable Swivel Retractor (1.9x5 cms) – 1		
	XIV. Malleable Swivel Retractor (1.9x7.6cms) - 1		
	XV. Malleable Swivel Retractor (2.5x10.2cms) – 1		
	XVI. Malleable Swivel Retractor (2.5x12.7 cms) – 1		
	XVII. Malleable Swivel Retractor (2.5 x 15.2 cms) – 1		
	XVIII. Malleable Swivel Retractor (3.8x7.6cms) – 1		
	XIX. Malleable Swivel Retractor (3.8x12.7cms) – 1		
	XX. Malleable Swivel Retractor (3.8x15.2 cms) – 1		
	XXI. Splanchnic Swivel Retractor (3.8x8.9cms) – 2		
	2)Pediatric Open Surgical Instruments(Non reflective)		
	A. Finochietto Chest Retractor – Neonatal - 01		
	1. Blades Size – 10mm x 30 mm		
	2. Retractor Spread – 75 mm		
	3. Arm Length – 50 mm		
	4. Rust Proof Stainless Steel		
	5. US FDA/European CE certification		
	B. Finochietto Chest Retractor – Neonatal - 2		
	1. Blades Size – 10mm x 15 mm		

	2. Retractor Spread – 50 mm		
	3. Arm Length – 50 mm		
	4. Rust Proof Stainless Steel		
	5. US FDA/European CE certification		
	C. Finochietto Chest Retractor – Infant – 2		
	1. Blades Size – 12mm x 40 mm		
	2. Retractor Spread – 90 mm		
	3. Arm Length – 75 mm		
	4. Rust Proof Stainless Steel		
	5. US FDA/European CE certification		
	D. Finochietto Chest Retractor – Small Infant – 2		
	1. Blades Size – 12mm x 34 mm		
	2. Retractor Spread – 90 mm		
	3. Arm Length – 75 mm		
	4. Rust Proof Stainless Steel		
	5. US FDA/European CE certification		
	3. Shunt related instrument		
	A. Skull trephin for Neonate & Paediatric - 2 each		
	B. Hoffman Shunt Passer - 2		
	1. Stainless Steel		
	2. Resuable		
	3 . Suitable for subcutaneous tunneling for VP Shunt		
	4 . Tube – 3.2 mm Internal diameter, 4.2 mm Outer diameter		
	5. Size - 35 – 42cms		
	6. US FDA/European CE certification		
	C. Hoffman Shunt Passer - 2		
	1. Stainless Steel		
	2. Resuable		
	3. Suitable for subcutaneous tunneling for VP Shunt		
	4. Tube – 3.2 mm Internal diameter, 4.2 mm Outer diameter		
	5. Size - 60 - 65 cms		
	6. US FDA/European CE certification		
	D. Ventricular Cannula – 2		
	1. For Hydrocephalus		
	2. Reusable		
	3. Stainless steel		
	4. Closed end with three side holes		
	5. Graduated		
	6. Size – 5 Fr		
	7. Length – 10 cms		
	8. US FDA/European CE certification		
	E. Ventricular Cannula – 2		
	1. For Hydrocephalus		
	2. Reusable		
	3. Stainless steel		
	4. Closed end with three side holes		
	5. Graduated		
	6. Size – 7 Fr		

	7. Length – 10 cms		
	8. US FDA/European CE certification		
	F. Ventricular Cannula – 2		
	1. For Hydrocephalus		
	2 . Reusable		
	3. Stainless steel		
	4. Closed end with three side holes		
	5. Graduated		
	6. Size – 9 Fr		
	7. Length – 10 cms		
	8. US FDA/European CE certification		
	4. Sscissor		
	A. Mayo Dissecting Scissors – 15		
	1. Stainless steel		
	2. Length – 4 Inch		
	3. Curved		
	4. Blunt Tip		
	5. US FDA/European CE certification		
	B. Mayo Dissecting Scissors – 15		
	1. Stainless steel		
	2. Length – 6 Inch		
	3. Curved		
	4. Blunt Tip		
	5. Ring Handle		
	6. US FDA/European CE certification		
	5. Malleable Retractor		
	A. Ribbon Type Malleable Retractor – 5		
	1. Size 1 1/2 inch width, Length – 13 inches		
	2. Malleable		
	3. Ribbon type		
	4. US FDA/European CE certification		
	B. Ribbon Type Malleable Retractor – 5		
	1. Size 1inch width, Length – 13"		
	2. Malleable		
	3. Ribbon type		
	4. US FDA/European CE certification		
	C. Ribbon Type Malleable Retractor – 5		
	1. Size 1/2 inch width, Length – 7 inches		
	2. Malleable		
	3. Ribbon type		
	4. US FDA/European CE certification		
	D. Ribbon Type Malleable Retractor – 5		
	1. Size 10mm width, Length – 5 inches		
	2. Malleable		
	3. Ribbon type		
	4. US FDA/European CE certification		
	6. Abdominal Retractor		
	A. Denis Browne Abdominal Retractor – Child Size – 1		

	1. Ring/Frame Only		
	2. Size – 18x14 cms		
	3. Stainless Steel		
	4. Oval Sproket Frame		
	5. US FDA/European CE Certification		
	B. Denis Browne Abdominal Retractor – Adult Size – 1		
	1. Ring /Frame Only		
	2. Size – 25x18 cms		
	3. Stainless Steel		
	4. Oval Sproket Frame		
	5. US FDA/European CE		
	C. Valve Allien Retractor Blades for Denis Browne Abdominal		
	Retractors – 2		
	1. 40x40 mm bades		
	2. US FDA/European CE		
	D. Valve Allien Retractor Blades for Denis Browne Abdominal		
	Retractors – 2		
	1. 30x40 mm bades		
	2. US FDA/European CE		
	E. Valve Allien Retractor Blades for Denis Browne Abdominal		
	Retractors – 2		
	1. 50x40 mm bades		
	2. US FDA/European CE		
	* It should be supplied with two sterilization case from the same manufacturer.		
	* The company must quote all items.		
	7 Instrument cases and trays		
	A. Instrument Sterlization Case/tray – 10		
	1. Anodized Aluminum Case		
	2. Hinged top		
	3. Size 8"X14"X1" Inches with Cover		
	4. Full Silicone Finger Mat Below and slilicone cushion above		
	5. Should be good quality and durable.		
	B. Full Size Double Decker Laproscopic Instrument Tray – 5		
	1. Should be suitable for holding full sized Laparoscopy		
	Instruments		
	2. Should have holders for 3mm, 5mm and 10 mm Instruments		
	3. Should have silicone mat to protect the instruments		
	4. Size – 23inch x 11 inch x 8 inch		
	5. Should accomodate minimum 12 instruments		
	6. Should be made from High grade anodized aluminium		
	7. Should be good quality and durable.		
	C. Clear Top Telescope Trays – 10		
	1. Should be suitable for securely holding Laparoscopic/cystoscopic telescopes		
	2. Length – 15 inches, Width – 2.5 inches, Height – 1.5 inch		
	3. Should be suitable for telescopes from 1mm to 10 mm		
	4. Should be able to accomodate two telescopes		

	5. Should have soft silicone base to prevent damage to instruments		
	6. Should have a robust locking mechanism to prevent inadvertant opening		
	7. Should be good quality and durable.		
	D. Instrument trays – 10		
	1. Stainless steel		
	2. Size 20inch x 12 inch x 2.5 inches		
	3. With Cover		
	4. Should be good quality and durable.		
	E. Wire Baskets for Storage and Sterlization – 10		
	1. Stainless steel		
	2. Size – 19 inch x 10 inch x 2 inches		
	3. Should be provided with compatible wire mesh cover		
	4. Should be good quality and durable.		
	F. Wire Baskets for Storage and Sterlization – 10		
	1. Stainless steel		
	2. Size – 10 inch x 10 inch x 2 inches		
	3. Should be provided with compatible wire mesh cover		
	4. Should be good quality and durable.		
	Bidder should quoute all the instruments and 80% of Instruments should be from the same manufacturer. If any firm does not quote any instruments in particular set, that firm will be disqualified. This is for the sake of uniformity in price comparison.		
	Added Para		
	±10 % varaition in dimension of the instrument is acceptable provided that it is suitable for paediatric surgery.		

Item Sl. No. 40
Resuscitation Equipment

A	**Self inflating Bags 250 ml**		
	Technical Specifications		
1	Self inflating bag		
2	Silicone made		
3	Provided with open ended reservoir		
4	Patient valves pliable, well sealed, have minimum dead space and no forward or backward leaks		
5	The bag should have an oxygen inlet which fits into the standard oxygen tubing both from a cylinder and central supply		
6	Round shaped, cushioned face masks should be transparent, fit the patient outlet easily and have minimum dead space.		
7	The system should withstand washing, scrubbing and autoclaving procedures		
8	Face masks : sizes i.e. 00,0: 3 set with each bag.		
9	European CE/ US FDA Certification should be provided		
B	**Self inflating Bags 500 ml**		
	Technical Specifications		
1	Self inflating bag		
2	Silicone made		
3	Provided with open ended reservoir		

4	Patient valves pliable, well sealed, have minimum dead space and no forward or backward leaks		
5	The bag should have an oxygen inlet which fits into the standard oxygen tubing both from a cylinder and central supply		
6	Round shaped, cushioned face masks should be transparent, fit the patient outlet easily and have minimum dead space.		
7	The system should withstand washing, scrubbing and autoclaving procedures		
8	Face masks : sizes i.e 0, 1: 3 set with each bag.		
9	European CE/ US FDA Certification should be provided		
C	**Self inflating Bag 750ml**		
	Technical Specifications		
1	Self inflating bag		
2	Silicone made		
3	Provided with open ended reservoir		
4	Patient valves pliable, well sealed, have minimum dead space and no forward or backward leaks		
5	The bag should have an oxygen inlet which fits into the standard oxygen tubing both from a cylinder and central supply		
6	Round shaped, cushioned face masks should be transparent, fit the patient outlet easily and have minimum dead space.		
7	The system should withstand washing, scrubbing and autoclaving procedures		
8	Face masks : sizes i.e 1,2: 3 set with each bag.		
9	European CE/ US FDA Certification should be provided		
D	**Laryngoscope with different size blades**		
	Technical Specifications		
1	High quality corrosion resistant stainless steel blades(straight-miller) and body		
2	LED Light source firmly fixed with blade		
3	Blades size 00,0 and 1,2 (3 sets with each)		
5	Should withstand chemical sterilization and autoclaving		
8	Battery should hold charge for more than 2 Hr.		
9	Should be CE/FDA/BIS approve product		
SN	**BOQ**	**QTY**	**UOM**
1	Self inflating Bags 250 ml	1	Set
2	Self inflating Bags 500 ml	1	Set
3	Self inflating Bag 750ml	1	Set
4	Laryngoscope with different size blades	1	Set

Item Sl. No. 41
Transcutaneous Bilirubin Analyzer

	Technical Specifications		
1	Light weight: portable unit		
2	Multi wavelength spectral reflectance meter		
3	Provides non-invasive measurement of total serum bilirubin reported in mg/dL or micromol/L		
4	Measurement rage 0 to 20 mg/dL (0-340 micromol/L)		
5	Light source should be pulse xenon arc lamp		

6	Silicon photodiodes detector		
7	Should have a reusable measuring probe which can be cleaned with disinfectant		
8	Should have an in-built battery		
9	Large easy to read display		
10	Should have a charging station		
11	Should work with all skin colour		
12	Should be European CE or US FDA approved product and the certificate must be submitted		
14	The unit shall be capable of being stored continuously in ambient temperature of 0-50deg C and relative humidity of 30-90%		
15	The unit shall be capable of operating in ambient temperature of 20-40 deg C and relative humidity of less than 70%		
16	Should have local service facility and should have the necessary equipments to carry out prventive maintenance test		
17	Onsite physical demonstration and training of the equipment to all the end users with all the requested facilities will be mandatory		
	Supplied with		
1	Charging unit with calibration checker certificate should be submitted at the time of supply.		
2	User manual with trouble shooting guidance, in English		
3	Technical manual with maintenance and first line technical intervention instructions, in English		
5	Rates of spare parts to be quoted separately		
6	List with name and address of technical service providers in India		
7	Should be usable in preterm and term newborns from birth to 10 days of life.		
SN	**BOQ**	**QTY**	**UOM**
1	System as specified	1	Nos
2	Charging unit with calibration checker	1	Nos

Item Sl. No. 42
300 mA HF X-Ray Machine

	High Frequency X-Ray machine suitable for General Radiography.		
1	**X-ray generator**		
i	High Frequency X-Ray generator having Frequency of 40 KHz or more suitable for Radiography should be provided.		
ii	Power output of generator should be 30 KW or more.		
iii	Radiography KV range should be 40 to 110 KV or more.		
iv	**Exposure time should be in range of 5 ms to 0.9 sec.**		
v	With maximum numbers of steps.		
2	**Control:**		
i	Control panel can be supplied in floor or wall mount with Spill Proof design.		
ii	Following features should be available on the control panel.		
iii	**Machine ON/OFF switch ,Digital Display of KV & mAs., K V & control switches**		
iv	**X-ray on switch with indicators.**		
v	Bucky Selection switch.		

vi	Self-diagnostic Programme with Indicators for KV error, filament error & Tube's Thermal Overload.		
3	**X-ray tube**		
i	One No. Dual focus Rotating Anode X-ray tube thermally protected having focal spot:1.2 mm or less for small focus, 2mm or less for Large Focus.		
ii	**Anode heat storage capacity of tube should be more than 135 KHU.**		
iii	Manual collimator with aluminium filter & for adjustment of exposure area.		
4	**Column Stand:**		
i	It should have floor to ceiling stand with vertical counter balanced travel.		
ii	The column stand should move in full circle.		
5	It should be provided with one chest stand.		
6	**Table.**		
i	Five position motoroised tilt table having Bucky grid ration of 8:1 with 85 lines per inches should be provided.		
ii	The Bucky tray should accept cassette of 8"x10", 10"x12" and 14"x17" size.		
iii	Suitable Lead-protected Three-fold screen with Lead Glass window.		
7	**ACCESSORIES, SPARE PARTS, CONSUMABLES**		
i	**2 No.Zero lead apron(0.25mm Lead equivalent) with thyroid shield, gonad shield**		
ii	Lead Apron Stand with hanger		
iii	Cassette of 8"x10", 10"x12" and 14"x17" size. **(Optional)**		
8	**CERTIFICATIONS :**		
i	System be AERB type approved.		
ii	The Bidder should assist the institution for e-LORA registration formalities.		
iii	Regular QA according to AERB norms will be responsibility of bidder during warranty and CMC period.		
9	**TRAINING AND INSTALLATION**		
i	Training of users on operation and basic maintenance;		
ii	Advanced maintenance tasks required shall be documented		
10	**Installation work:**		
	The department would provide standard room with only three phase power supply in the room. The rest of the installation work will be done by the supplier, including girders for ceiling suspension etc., The installation of X- Ray machine includes all the associated work like suitable AC (min 4 TR), suitable flooring, cabling. Earthing, Lead lining etc. Should be done by the vendor. The site modification work should be as per AERB guidelines.		
	BOQ		
Sl.No	**Item Description**	**Qty**	**UOM**
1	300 mA X-Ray System with accessories as per the Tender Specification	1	No
2	Site Modification Work for 200 Sq.ft. except Air Conditioning	1	LS
3	Air Conditioning	5	TR
4	lead aprons with thyroid shield, gonad shield and all protection attachments.(2 nos each)	1	LS
5	Lead Apron Stand (1 No.) with hanger (2 Nos.)	1	No
6	Cassette of 8"x10" size. **(Optional)**	1	No

7	Cassette of 10”x12”size. **(Optional)**	1	No
8	Cassette of 14”x17” size. **(Optional)**	1	No

Item Sl. No. 43
500 mA HF X-Ray Machine

	High frequency X-Ray machine suitable for General Radiography		
1	**X-RAY GENERATOR:**		
i	**High Frequency X-Ray Generator having frequency of 40KHz or more should be provided.**		
ii	Power output of generator should be 50KW.		
iii	**Radiographic KV Range should be 40 to 125KV**		
iv	mA Range (Rad.): 500mA or more.		
v	Exposure time (Rad.): **3ms** to 3Sec.		
vi	**Deleted**		
2	**Control:**		
	A very compact, Control Panel having following functions & indications should be provided. The panel can be supplied in Floor or Wall mount with Spill Proof design.		
	Following features should be available on the control panel.		
i	Machine ON/OFF Switch.		
ii	Digital Display of KV & mAs.		
iii	KV & mAs Control with AEC Mode		
iv	Tube focal spot selection Switch.		
v	Ready and X-Ray-ON switch with Indicators.		
vi	Bucky Selection Switch.		
vii	Self diagnostic Programme with Indicators for Earth fault error, KV error, Filament error & X-Ray Tube Thermal Overload.		
viii	Anatomical Programming Radiography (i.e. APR) should have reprogrammed parameters of human anatomy Upto 100 programs which helps the user to select exposure parameters based on body part, examination view and size of the patient.		
ix	A dual action hand Exposure switch with retractable cord.		
x	Auto shut-off of system, in case of idling.		
3	**X-RAY TUBE:**		
i	Two Nos. Dual focus Rotating Anode X-Ray tube thermally protected		
ii	Anode heat storage capacity of tube should be more than 140KHU.		
iii	Two Nos. Collimator with Light auto shut-off.		
4	**TUBE STAND:**		
	Floor to Ceiling Stand with Counter Balanced Tube Head (Rotatable ± 180 Degree), 360 Degree Rotatable; mounted on Floor & Ceiling Rails for convenient movements.		
5	**TABLE:**		
i	Motorized table should have motorized Bucky consisting of Bucky grid with ratio 8:1 or more, 80 lines/inch.		
6	**VERTICAL BUCKY STAND:**		
	Vertical Bucky Stand with oscillating Grid of Ratio 8:1 or more, 80 lines/inch is provided.		
	The Bucky moves up & down with counter balance & is equipped with a stainless steel cassette Holder		
7	**Tray.**		
	The stand is Floor-mounted type & can accommodate cassettes up to 14” X 17”.		
	The Bucky is tilted in 6 steps of 15 degree Angle each for various Radiographs.		
	Suitable Lead-protected Three-fold screen with Lead Glass window.		

8	**3. ACCESSORIES, SPARE PARTS, CONSUMABLES**		
	2 No. lead aprons with thyroid shield, gonad shield and all protection attachments.		
9	**STANDARDS AND SAFETY**		
i	AERB type approved		
ii	The Bidder should assist the institution for e-LORA registration formalities.		
iii	Regular QA according to AERB norms will be responsibility of bidder during warranty and CMC period.		
10	**TRAINING AND INSTALLATION**		
	1) Training of users on operation and basic maintenance;		
	2) Advanced maintenance tasks required shall be documented		
	Installation work:		
	The department would provide standard room with only three phase power supply in the room. The rest of the installation work will be done by the supplier, including girders for ceiling suspension etc., The installation of X- Ray machine includes all the associated work like suitable AC (min 4 TR), suitable flooring, cabling. Earthing, Lead lining etc. Should be done by the vendor. The site modification work should be as per AERB guidelines.		
	BOQ		
Sl.No	**Item Description**	**Qty**	**UOM**
1	500 mA X-Ray System with accessories as per the Tender Specification	1	Nos
2	Site Modification Work for 200 Sq.ft except Air conditioning	1	LS
3	**Air Conditioning**	4	TR
4	Lead aprons with thyroid shield, gonad shield and all protection attachments.(2 NO.S EACH)	1	LS
5	Lead Apron Stand (1 No.) with hanger (2 Nos.)	1	No
6	Cassette of 8”x10” size. **(Optional)**	1	No
7	Cassette of 10”x12”size. **(Optional)**	1	No
8	Cassette of 14”x17” size. **(Optional)**	1	No

Item Sl. No. 44
3D Laparoscopy System

1	**Telescope & Camera:**
a	The Company should quote the latest model available.
b	Should have dual lens technology for left and right image signals
c.1	0 degree rigid 10 mm 3D scope with camera head / 10 mm 3D scope with high resolution flexi tip dual lens chip on tip (CCD based) technology with 0-100 degree in all four directions (Quantity 1)
c.2	30 degree rigid 10mm 3D scope with camera head /10 mm 3D scope with high resolution flexi tip dual lens chip on tip (CCD based) technology with 0-100 degree in all four directions (Quantity 1)
d	Should have a mixer for synchronizing and processing of both left and right image signals form camera processor to transmit 3D image.
e	Should provide full HD imaging. The resolution of output should be at least 1920x1080p HD.
f	Output provided should be compatible with the offered 3D monitor.
g	Should have provision for switch over between 3D and 2D observation mode from the 3D telescope or camera console unit for easy maneuvering.
h	Should have facility for capturing and storing 3D images and Videos.

i	The 3D scope should be focus free with depth of field of at least 20-90 mm with a wide field of view of at least 70-80 degree.
j	The 3D scope should have effective working length of 310 mm or above.
k	The 3D scope should be light weight and easy to handle.
l	The 3D scope should be compatible with ETO or Autoclave or Sterrad means of reprocessing techniques
2	**Monitor:**
a	The 3D monitor should be full HD with 32 inch or above in size and should have 1920x1080 pixel resolution.
b	The 3D monitor should have:
1	at least two 3D/HD-SDI, DVI-D inputs for 3D image display.
2	at least two 3D/HD-SDI output for 3D image transmission.
3	The 3D monitor should have brightness adjustment feature while switching between 2D/3D images.
3	**Light source:**
a	Should have powerful 300 W Xenon OR LED light source equivalent to 300 W xenon
b	The company should provide at least one spare bulb and free of cost maintenance of light source
c	The necessary cables and adaptors should be provided with the light source.
4	**Dual channel HD3D video recording device**
a	Dual channel 3D HD with memory of 500 GB to record, store and transmit 3D videos and images. The recording system should have facility to overlay the voice of surgeon on the video for teaching purposes.
5	System should be US FDA / European CE/BIS certified
6	**Essential accessories:**
	The system should be supplied with:
a	a. 20 nos. of light weight polarized glasses.
b	b. Additional 10 nos. of clip on type glasses for spectacle wearing surgeons.
c	c. Necessary cables to connect all equipments.
d	d. OEM Trolley to house all equipments.

Item Sl. No. 45
Operating microscope

SI No.	Specification of Operating Microscope
1	Heavy Mobile floor stand with mechanical/Magnetic brakes and good counter weight balancing system and locking device.
2	All the cables should be inside the stand and microscope arm for protection.
3	Motorized Zoom Magnification system with apochromatic optics
4	Manual magnification changer, 1:6 ratio in 5 steps.(Max. magnification up to 18.5x or more)
5	Field of View 10 mm to 150 mm continuously variable.
6	Motorized Objective lens working distance 200-500 mm, with multifocal objectives (200mm for otology, 300 mm for rhinology and 400mm for laryngology)
7	Tilt able Binocular tube up to 180 degree
8	Stereo co-observer Tube

9	Facility for adjusting speed of the focusing motor to adapt for different magnification.
10	Complete auto balance by single push button.
11	Motorized zoom and focus control on Pair of handles and wireless foot Control.
12	Microscope Head should be freely mobile to all the directions and can be maneuvered to laryngeal surgery.
13	Xenon illumination for day light character with back-up illumination of Xenon lamp with power supply preferable inbuilt in sturdy floor stand.
14	Should have closed composite Integrated Three chip HD camera
15	Minimum 20" medical grade HD video touch screen monitor compatible with camera, mounted on the microscope arm
16	Should have USB port for recording device for documentation.
17	Should have closed composite integrated HD digital video recording facility with appropriate video editing software.
18	Trolley to keep all accessories/recording device etc.
19	One Spare Xenon bulb
20	Microscope should be adaptable to Micromanipulator for LASER
21	Any other accessory which is must for functioning of the equipment like continuous voltage stabilizer etc.
22	Voltage 230, frequency 50-60 Hz
23	All accessories except CVT should be from the same manufacturer and should be European CE with 4 digit notified body no / US FDA approved.

Item Sl. No. 46
Oscillating saw system and otology drill system

	Technical Specification of Oscillating saw system and otology drill system
1	It should be a versatile powered ENT system, that lets to choose just the power required for various ENT and Aesthetic related surgeries.
2	The system should suitable for wide variety of procedures ranging from Rhinology, Other transnasal procedures, Otology/ Neuro otology
3	It should have in built user friendly interactive menu and illustrative help guide.
4	It should have large Touch screen monitor.
5	The various parameters should able to adjust either from touch screen panel or from the multifunction foot switch.
6	It should able to connect multiple hand pieces at a time like High speed Otology drills (Up to 60000 RPM), Micro Saw System like Reciprocating Saw, Oscillating Saw & Sagittal Saw.
7	Console should recognize the various hand pieces and automatically adjust the settings accordingly.
8	It should have inbuilt pumps each for Irrigation (5Cc / Min to 100Cc / Min) and Cooling.
9	It should have multifunction ergonomically designed foot control with light emission for easy identification.
10	It should able to control Speed / Mode, Forward / Reverse toggle, Active hand piece change from the Foot control itself.
11	It should have option for remote control Irrigation to operate from sterile area.
12	Main Console should have an option to operate manual foot paddle from console itself in case the foot paddle are not working.
A	**SPECIFICATION OF MICRO SAW HAND PIECE :**
1	Micro saws should be light weight and the cable should be fixed with the saw system.
2	The saw system should be Oscillating, Reciprocating & Sagittal.
3	All the hand piece should be separate no adaptors required for common.

4	The saw hand piece should be separate and should not be interchangeable with single hand piece.
5	The finger control should have 'SAFE" position to insert the blades and "ON" position to activate the hand piece.
6	Should operate upto 30000 cpm speed.
7	Blade stroke should be 8 deg.
8	Blades should be unique and made of stainless steel.
9	Blades should be of 0.3mm-21.3 mm thickness with fine cutting laser design.
10	There should be different design of Blades for utilizing for the ENT.
11	The sagittal and oscillating blades should be common for both the hand pieces.
12	There should be irrigation integrated at the time of usage the following blades have to be provided:
	a) Reciprocating blades thickness from 0.3mm with the cutting edge of 25mm
	b) Reciprocating blades thickness 0.4mm-16.3 mm with variable thickness.
13	Sagittal and oscillating saw blades thickness from 0.3mm to 13mm with variable cutting edge and depth.
B	Specification for otology drill:
1	The hand piece of the saw system should be compatible with the drill system
2	The otology drill should have straight short, straight long, angled short and angled long hand piece 1 each
3	There should be auto irrigation port
4	Speed upto 60,000rpm
5	Carbide burrs should be used, with each burr functional for upto 20 cases
6	The burrs should be rust free
7	Two sets of burs (diamond & cutting) and blades (Sagital, reciprocating and oscilating) of all sizes
8	Rate of individual bur and blades should be quoted separately and freezed for next 5 years for further procurement
14	All accessories should be from the same manufacturer and should be European CE/ US FDA approved

Item Sl. No. 47
Esophagoscopy

SI NO.	**Technical Specification of Esophagoscope**	
	Name with specification	**Quantity**
1	Universal Oesophagoscope with Proximal illumination Adult 250mm length 12x8 mm diameter	1
2	Universal Oesophagoscope with Proximal illumination Adult 300mm length 16x12 mm diameter	1
3	Universal Oesophagoscope with Proximal illumination Adult 500mm length 12x8 mm diameter	1
4	Illumination system, cap, magnifier and telescope sealing cap for adult scopes	One set
5	Universal Oesophagoscope with Proximal illumination Child 270mm length 5.5 mm diameter	1
6	Illumination system, cap, magnifier and telescope sealing cap for child scope	One set
7	Optical forceps for Oesophagoscope Alligator Foreign body to fit in 280-300 mm Oesophagoscope	1
8	Optical forceps for Oesophagoscope biopsy forcep to fit in 280-300 mm Oesophagoscope	1

9	Telescope 0 degree wide angle to fit in above optical Biopsy forceps	1
10	Jackson esophageal forcep standard shaft, deep serrated upper moving jaw, 380-400mm length	2
11	Foreign body forcep for cutting of denture hooks with good cutting power 400-450mm length	2
12	Foreign body forcep alligator jaw with deep serration 320-350mm length 2.0mm shaft diameter	2
13	Peanut grasping jaw 330-350mm length 1.5- 2.0mm shaft diameter	2
14	Cut biopsy forcep 330-350mm length 1.5-2.0mm shaft diameter	2
15	Aspiration tubes rigid 330-350mm length 2-2.5mm diameter	4
16	Aspiration tubes rigid 480-500 mm length 4.0mm diameter	4
17	Cotton carrier working length 330-350mm	1
18	Fiber optic cable 2.5mm Diameter 1.80 meter length	2
19	Cold light source 250 Watt	1
20	All accessories should be from the same manufacturer and should be European CE/ US FDA approved	
21	All Instruments should be of international quality and made from surgical grade 410 0r 420 or equivalent titanium/steel	
22	Country of origin/Manufactring, catalogue no and article number should be engraved on each every instrument	
23	The "Hinges" should be rust proof	
24	The instruments should be guaranteed against metal fatigue and rust for atleast 02 years. Further repair should be available for next 5 years	
25	The instruments surface should be non-reflective	
26	The brand name along with catalogue number should be etched on the instruments.	
27	The other instruments should be made of high grade titanium, they should not magnetize with use and the surface should be non-reflective and glare free under OT light.	
28	Satisfactory Performance Certificate from a Central Government Hospital (AIIMS, PGI, SGPGI etc.) is mandatory	
29	The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality	

Item Sl. No. 48
Flexible Rhino-Pharyngo Laryngoscope

SI NO.	Flexible Video Rhino-Pharyngo Laryngoscope
A	**General Specifications:**
1	Should be chip on tip with intergrated fulll HD camera and display
2	Should have large viewing angle and movable distal tip for better orientation
3	Waterproof, fully immersible for cleaning and disinfections
4	Sterilizable with ETO gas, steris and sterrad
5	Resistant construction and robust mechanics
B	**Technical Specifications:**
1	Direction of view: 0 deg.
2	Angle of view: 100-110 deg.
3	Working length: 20-25 cm or better
4	Outer diameter: 5-5.5 mm
5	Instrument Channel: 2-2.5mm
6	Deflection: Upward upto 160 deg, Downward upto 150 deg.
C	**The following accessories should be included:**

1	Carrying Case
2	Pressure compensation cap
3	Leakage tester
4	Mouth piece
5	Cleaning Brush
6	One Biopsy Forceps- Double action Jaws
7	One Grasping Forceps- Double action Jaws
D	All accessories should be from the same manufacturer and should be European CE/ US FDA approved

Item Sl. No. 49
Low temperature sterilizer

SI NO.	**Technical Specification of Low temperature Plasma Sterilizer**
	Equipment Specifications for Plasma Sterilizer
1	**Description of Function**
1.1	Plasma sterilization includes exposing an article to be sterilized to a plasma generated from a gas mixture. The exposure of the article to the plasma is carried out at a pressure of from 0.1 to 10 torr and a chamber temperature of less than 63 degree C for a time period sufficient to effect sterilization. The apparatus for plasma sterilization of articles includes a plasma generator and a sterilizing chamber.
2	**Operational Requirements**
2.1	Sterilization of Operation Theatre instruments using state-of-art Hydrogen peroxide Gas Plasma Technology and cost effective
3	**Technical Specifications**
3.1	The temperature of sterilization must be in the range of 30-60o C and of low-moisture sterilization process
3.2	The process should be rapid enough to provide high throughput with the cycle time of 50-75 minutes
3.3	The cycle time to processing should be programmable to best match the Operation Theatre instruments and load configuration
3.4	The Sterilizer should be **Cylindrical/Rectangular/Square** Chamber with usable Volume of 100-120 Litres
3.5	There should be no toxic residuals with primary by-products being water vapour and oxygen & it should be safe for patient, staff and environment.
4	**System Configuration Accessories, spares and consumables**
4.1	System as specified-
5	**Environmental factors**
5.1	Shall meet IEC-60601-1-2: 2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility or should comply with 89/366/EEC; EMC-directive.
5.2	The unit shall be capable of being stored continuously in ambient temperature of 0-50deg C and relative humidity of 15-90%
5.3	The unit shall be capable of operating continuously in ambient temperature of 10 -40deg C and relative humidity of 15-90%
6	**Power Supply**
6.1	Power input **Single phase or 3 phase**, 50Hz fitted with Indian plug.
6.2	Voltage corrector/stabilizer of appropriate ratings meeting ISI Specifications. (Input 160-260 V and output 220-240 V and 50 Hz)
7	**Standards, Safety and Training**
7.1	Certified to be in compliance with ISO/EN 14937. -Standards for sterilization equipment.
7.2	Should be **USFDA or European CE** approved product

7.3	Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements
7.4	Manufacturer/Supplier should have ISO certification for quality standards.
8	**Documentation**
8.1	User Manual in English
8.2	Service manual in English
8.3	Certificate of calibration and inspection.
8.4	List of Equipment available for providing calibration and routine Preventive Maintenance Support as per manufacturer documentation in service/technical manual.
8.5	List of important spare parts and accessories with their part number and costing.
8.6	Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.
8.7	The supplier must furnish satisfactory service report for about 3 years or more from at least 3 users preferably Govt. Institutions
	Added Para: Should be supplied with accessories to specification like instruments tray of all size and consumables to run atleast 100 cycles of sterilisation.

Item Sl. No. 50
ETO sterilizer

	Technical Specifications: Ethylene Oxide Sterilizer	
1	The ETO gas sterilizer should be fully automatic type for sterilization of heat sensitive goods such as anaesthetic tubing and other plastic disposable materials etc.	
2	The sterilization chamber should be double walled, corrosion and gas resistant of suitable alloy. The chamber shall be insulated against heat emission and specify the mechanism of heat insulation.	
3	The inner surface should be smoothly finished to minimize gas deposits.	
4	The sterilizer door shall have a quick release locking arrangement, with door opening to the sides.	
5	Suitable safety interlocking arrangement shall be provided for the door so that the sterilization process does not start unless the door is properly locked in position and during the programme run it should not open if there is any residual gas.	
6	The sterilizer shall be provided with suitable mechanism to separate and evacuate the gas and specify the mechanism.	
7	The ETO sterilizer should be able to operate for the minimum essential following cycles programmes :	
a)	Sterilization cycle for heat sensitive objects that ensure temperature from 37-55degreeC with subsequent aeration for protection of the operating personnel.	
b)	Aeration cycle/programme to extract residual gas out of the sterilized objects after each sterilization cycle.	
c)	Automatic chamber evacuation cycle with subsequent venting before releasing the door lock for opening, thereby prohibiting exposure of the operating personnel by gas dissolving from the chamber walls during shutdown period.	
d)	Appropriate pollution control device for safe disposal of E.O like catalytic converter or equivalent technology / gas disposal management -to be as per local pollution control norms, if any.	
8	Capacity: Should have capacity of 200 litre or more. Conversion from cu.ft to litres is as per standard conversion. For information, 1 cu.ft is 28.317 litres approximately.	
9	Each ETO sterilizer shall be equipped with the following accessories:	
a)	Sterilization basket of suitable size : 1 No.	
b)	Packaging material **(1 roll each of different standard sizes) may be quoted and 50 units of chemical & biological indicator should be supplied.**	
10	Gas cartridges should be EPA certified.	

11	**Technical Data**	
a)	Sterilization Gas : Ethylene Oxide 100%	
b)	Sterilization method : Cold sterilization of heat sensitive material	
	The ETO sterilizer should have compliance to BS EN ISO 9001. Certificate to be provided by equipment manufacturer.	
c)	Operating temp. Range : 37 to 55 C	
d)	No. of doors : One	
12	The ETO sterilizer should have compliance to BS EN ISO 9001. Certificate to be provided by equipment manufacturer.	
13	The ETO sterilizer should have compliance to ISO 13485. Certificate to be provided by equipment manufacturer.	
14	The ETO sterilizer should have compliance to **OSHA/NIOSH/OHSAS 18001** exposure monitoring.	
15	Should be US FDA/European CE with 4 digit notified body no/BIS approved	
	The required safety & clearance certificate from the concerned department if any should be the responsibility of the supplier.	
	The consumables including cartridges, biological & chemical indicator and packing material required for 200 cycles to be provided. Please indicate the no of cartridges required for 200 cycles.	
	The price of all consumables should be clearly mentioned and quoted separately and it should be valid for the warranty and CMC period.	
	SCOPE OF SITE MODIFICATION WORK	
	The supplier has to undertake supply, Installation, Testing and commissioning of the ETO sterilizers and also undertake all associated civil, mechanical, and electrical, air conditioning and interior furnishing jobs the area allocated for ETO sterilizers (ETO sterilizer rooms) **and air-conditioning of Tonnage 2 TR at the ETO room for successful installation & commissioning of ETO sterilizer.**	
	All regulatory requirements for installing ETO sterilizers should be incorporated within the site; including the safe disposal of exhaust gas from the sterilizer as per existing regulatory norms. All modifications to the build-up space provided at the hospital site including Installation of Equipment, civil works, electrical works, plumbing works, interior decoration, air conditioning, furniture and other related work required for the smooth and efficient functioning of the ETO sterilizer. These works shall comply with all relevant safety and standard guidelines. **The vendor is fully responsible for installation and commissioning of ETO sterilizer.**	
	Bidders are advised to visit the site. Equipment loaded site drawing with actual dimension should be submitted along with the technical bid.	
	The supplier shall obtain all necessary clearances for the commissioning of the ETO sterilizers in liaison with the consignee.	
	ETO Sterilizer room should be provided with proper ventilation, degassing and other regulatory ethylene oxide disposal protection requirements	
	The BOQ of the ETO Sterilizer room	
Item no.	**DESCRIPTION**	**Qty.**
1	**ETO STERLIZER**	**5**
2	**Compatible WIRE STORAGE SHELF MODULE FOR STERIL STORE**	**10**
3	**WASTE BIN PEDAL OPERATED -SS**	**5**
4	**PASS BOX**	**1**
	Technical Specifications: Pass Box	
1	Area : Dirty to Clean supply, ETO to Sterile supply & Sterile Issue	

2	Size : 600x600x600mm, internal	
3	Should be made up of SS 304 sheets with double wall construction	
4	Should have UV lights for safe storage of components	
5	UV light should automatically switch off when any one door is opened	
6	Pass-through chamber should be based on electrical sliding hatches and should fit all types of standard racks.	
7	The chamber should consist of two electrically operated sliding hatches.	
8	Each hatch should have its own 24 DC motor that powers a drive belt and ensures smooth operation, as well as its own convenient push-button control to ensure that both hatches cannot be opened at the same time.	
9	The control should feature two modes of operation to open or close the hatch with a press button mechanism.	
10	Should have door interlocking to prevent simultaneous opening of both the doors.	
11	**Should have toughened glass panelling for easy visibility.**	
	Note:	
	Capacity: Our specification for capacity is 200 litres or more. Conversion from cu.ft litres is as to per standard conversion. For information, 1 cu.ft is 28.317 litres approximately.	
	Requirement is 5 nos. ETO steriliser, capacity of each 200 litres or more	
	Site modification work is limited to installation and commissioning of ETO sterilisers only.	
	Appropriate pollution control device for safe disposal of E.O like catalytic converter or equivalent technology / gas disposal management -to be as per local pollution control norms, if any.	
	The bidder should ensure training to the local staff at an interval of Six (6) months during warranty period to ensure safe operation of the equipment after installation and commissioning of ETO sterilizer.	
	If any machine required compressed air plant for running the machine it should be supplied as standard.	
	All listed accessories and parts (eg.Vent hoods and exhaust hoods) as per manufacturer's guidelines required for running ETO should be supplied as standard.	
	Site modification work is limited to installation and commissioning of ETO sterilizer only. Only one single/three phase power and plumbing connection will be provided in the room.	
	The area of ETO room will be approx. 200 sq. ft.	

Item Sl. No. 51
Arthroscopy System

	Specifications for Arthroscopy System
A	Bidder will be responsible for installation and commissioning of complete high definition arthroscopy system in modular theatres.
B	Arthroscopy set complete with high definition camera HD monitor 19"Scope, general instruments shaver system , ACL reconstruction set arthroscopy pump system .
C	Arthroscopy shoulder surgery set and arthroscopic ankle surgery set imaging system
D	**High definition camera system**
1	Camera console 220 v with universal coupler & autocalavable camera head.
2	**Pure Digital signal with high definition video (1920*1080p native resolution)**
3	Resolution -2000 horizontal lines
4	**Automatic settings**
5	integrated flexible scope filter
6	signal to noise ratio-70 Db
7	progressive scan technology both on camera head & console
8	brightness control on console & camera head
9	aperture control on console

10	**Automatic Image Enhancer on console**
11	**Optical zoom, autofocus & white balance on camera head**
12	integrated gain/shutter/enhancement with brightness control
13	Two peripheral control on camera head
E	**Xenon light source**
1	light source xenon, 300 watts lamp
2	colour temperature 6000 k,
3	universal jaw for accepting any make fiber optic cable adjustable light intensity from 0 to 100 percent
4	one spare xenon lamps 300 watt
5	fibre optic cable
F	**high definition monitor 19"**
1	**High Definition monitor, screen minimum 19", resolution 1920 x 1080p.**
2	Option for wall mounting and desktop in same unit.
G	**Arthroscope Set**
1	HD telescope 4mm , 30 Deg connect Arthroscope Sheath 5.9mm. Obturator for sheath 5.9mm obturator for sheath HOOK probe .
2	Straight punch, cutting width 15 deg upbiter 30 deg left cutting 30 deg right .
3	Cutting 90 deg left cutting 90 deg right cutting foriegnbody grasper with lock .
H	**Shaver system**
1	**Electronic control unit -1No.** **Foot control -1No.** **Handpiece Autoclave RPM 12000 – 1No.** **Microdriver with drilling,** **wiring and micro saw attachment – 1No.** **Full radius resector -2Nos.** **End cutter-2Nos.** **Aggressive cutter-2Nos.** **Meniscs cutter-2Nos.** **Oval Burr-2Nos.**
I	**ACL Reconstruction Set**
1	Tendonstripper-open ended and closed ,all sizes
2	Thickneess tester
3	Tibial guide
4	Femoral offset guide 4,5,6,7 mm
5	Reamers 4,5,6,7,8,9,10
6	Length guage for measuring the tunnel
7	Reaming wire
8	Currette
9	Rasp
J	**Graft preparation board specifications**
1	Graft board with gliding sliders for easy and single handed operation
2	Suitable for singal bundle , double bundled and bone tendon bone BTB repairs
3	Compatible with endobutton type fixation devices.
4	Built in seizers for the graft(both soft tissue and bone)
5	Provisions for specific graft tensions
6	Graft clamp teeth for secuing graft for tensioning during preparations
K	**Arthroscopoe pump system with Tubing**
1	Pole mount/stand alone console with autoclavable remote control
2	Maximum flow rate of 2000 ml/minute with maximum pressure upto 150 mmHg

3	Arthroscope Inflow/outflow tubing set
L	**High Definition Recording system**
1	**Should be able to record Real time, Full HD(1920x1080p) digital video**
2	**Stereo audio Input**
3	**Disc Capacity of 500GB and recording system should be windows XP/ Higher base**
4	**Touch screen(Min 10") Control panel interface**
5	**Multi session disc recording capability supports file formats for images: Bitmap(BMP), JPEG, JPEG2K**
6	Video inputs minimum 2 nos S-video ,2 nos composite ,1 XGA(1024X768) and 1 High -Definition (1280X1024)
7	**Modular Cart(Imported)** **• front-locking casters** **• lipped top holds monitor** **• four equipment shelves** **• open back for equipment access**
M	**The system should be European CE/ US FDA approved and all accessories should be from same manufacturer.**

Item Sl. No. 52
Minor OT Table

SI NO.	**Technical Specification of Operation Table: Hydraulic (for Minor OT)**
	1 Description of Function
	1.1 Hydraulic operating Tables are simple tables for performing surgical procedures and they work without electrical power.
	2 Operational Requirements
	2.1 OT Table is required for general surgery and should have X-Ray transluscent tops.
	3 Technical Specifications
	3.1 a. Four/five section table top with divided foot section
	b. Table top should permit x-ray penetration and fluoroscopy
	c. All table positioning, i.e., height, back section, lateral tilt, trendelenburg, and anti-trendelenburg, except foot and head section should be operated hydraulically
	d. Should have a manual position selector
	e. The casings on the frame and centre supporting column should be made of hygienic stainless steel
	f. Mattress should be radioluscent and suitable for fluoroscopy
	3.2 Measurements:(approximate)
	a. Height: 700-1040 mm (with 50 -70mm mattress)
	b. Side tilt: + 15-20 degrees
	c. Back section adjustment: - 15 degrees to 70 degrees
	d. Foot section adjustment: - 90 to 0 degree, detachable
	e. Trendelenburg: 25-30 degree
	f. Anti trendelenburg: 25-30 degree
	g. Head section adjustment: -40 to -30 degree, detachable
	h. Width: 550 mm
	i. Length: 2000 mm
	4 System Configuration Accessories, spares and consumables
	4.1 System as specified

	4.2 ACCESSORIES: All accessories including the ones listed below should be quoted. The specific accessories and their quantity will depend upon actual requirement
	a. Padded arm rest with straps - pair with clamps
	b. Anaesthesia screen with clamps
	c. Side supports: pair with clamps
	d. Shoulder supports: pair with clamps
	e. Knee crutches for lithotomy position: pair with clamps
	f. X-ray cassette tray
	g. Kidney bridge
	h. Optional accessories (Price of each item should be mentioned separately) **A. X-Ray Top for 9" Urology extension** **B. Metal Drain pan** **C. Power lift stirrup set with side rail clamp** **D. Foot control** **E. Split leg pair F. Reverse Trendelburg restraint strap** **G. Light weight transfer board.**
	g.The machines should be supplied with the following accessories for operating ion prone position (Price of each item should be mentioned separately)
	d. Gel Flat buttom chest roll (medium)
	e. Gel prone positioner
	f. Gel prone head rest (large)
	j. Optional accessories for endourology work
	5 Environmental factors
	5.1 The unit shall be capable of being stored continuously in ambient temperature of 0 -50 deg C and relative humidity of 15-90%
	5.2 The unit shall be capable of operating continuously in ambient temperature of 10 -40deg C and relative humidity of 15-90%
	6 Standards & Safety
	6.1.Should be US FDA or European CE approved product
	6.2 Manufacturer and supplier should be ISO certfied for quality standards
	6.3 International Safety standards like IEC 60601-2-46 or equivalent if applicable
	7 Training
	7.1 Comprehensive training for staff of user department and support services till familiarity with the system.
	8 Warranty & Service
	8.1 Comprehensive warranty for 5 years and 5 years Comprehensive Maintenance Service after warranty. The cost of CMC must be quoted in the price bid.
	8.2 Percentage of uptime guarantee of the equipment during warranty and CMC period for which commitment is to be given must be specified with acceptance of applicable penalty clauses in case of failure to do so.
	8.3 After sales service must be provided in the city of installation. In situations requiring service/repair of the unit outside the city of installation, the expenditure on account of this will have to be borne by the supplier
	9 Documentation
	10.1 Product Literature in original along with that of accessories and indigenous components if any. Photocopies/computer generated copies are not acceptable
	10.2 Statement of compliance with tender specifications with clear and unambiguous links to relevant portions of product literature/authentic document, which should be highlighted. Alternatives provided for noncompliant specifications with justification must be described in detail with supporting literature

	10.3 Certificate of compliance with standards and approvals stated above
	10.4 Certificate of manufacturer/principal regarding authorisation of service facility provided by the supplier
	10.5 List of Equipment available in the Service Centre for providing calibration and routine Preventive Maintenance Support. as per manufacturer documentation in service/technical manual.
	10.6 List of important spare parts and accessories, which are required for maintenance and repair, with their part number and costing.
	10.8 Commitment for supply of log book with check list for daily, weekly, monthly and quarterly preventive maintenance with contact details of service personnel along with the equipment. The job description of the hospital technician and company service engineer should be clearly spelt out in the log book.
	10.9 List of users of quoted equipment with performance certificate from major institutions

Item Sl. No. 53
OT light for minor OT

	Technical Specification of OT Light – LED for minor OT
	Operating Room Surgical Lighting System should provide an ideal combination of brightness, maneuverability, and shadow resolution without sacrificing color accuracy through a consistent LED technology.
	Such Lighting System should have the following technical specifications:
a	Number of Light heads : Two per suspension
b	Color Temperature range: 3800k-5000 (±10 %)- Variable color temperature.
c	Field Size Diameter : 20 to 28cm (+/- 10%)
d	Working Range : 750 to 1100mm (+/- 10%)
e	Illumination Level : 160000Lux (Major Dome & Minor dome)
f	Controls : Control Panel (wall and on dome)
g	Rotation : 360-330degrees
h	Sterilizable Handle : 02Nos.
i	Mounting Type : Ceiling
j	Supply Voltage : 230 VAC 50 Hz
k	Bulb Type : LED
l	Dimming Range : **50% - 100%**
m	Operating/Storage Humidity : 10 – 95%
n	Life of Light Source : >40,000 Hrs
o	Should be provision to mount the camera in one dome.
p	Surgical Light System Should be compliant with relevant European CE /US FDA standards

Item Sl. No. 54
Open Surgery Instruments (Set) for General Surgery

Sl No.	**Technical Specification of Open General Surgery Instruments**
	Description of Funtion
	1.1 Open surgery instruments are required to carry on conventional general, gastrointestinal, urological procedures
	2 Operational Requirements
	2.1 1. The instruments quoted should be of high quality and standard
	2.1.2 DELETED
	2.1.3 Instrument should be European CE or USFDA approved & copy to be enclosed

	2.1.4. The instruments must be ISO certified and copy to be enclosed.		
	2.1.5The part number and name of manufacturer should be engraved on the each instrument		
	3 Technical Specifications		
	3.1 MAJOR BASIC SET		
	Instrument	**Specifications**	**Qty**
1	Sponge Holding Forceps	a- Rampley type. 180 mm long	4
		b- Rampley type. 250 mm long c- FOERSTER-	4
		BALLENGER. Serrated jaws; straight 180 mm long	6
		d- FOERSTER-BALLENGER. Serrated jaws; curved 245 mm long	
		e- FOERSTER-BALLENGER sponge & dressing forcep,smooth jaws 245mm	6
2	Steel Basin	a- Small size b- Large size	5 5
3	Galley Pots	a- 8.3x5.4x4.1 cm	20
4	Cheattle forceps	270-280 mm long	10
5	Kidney trays	a- 170 mm size b- 250 mm size c- 275 mm size	10 10 10
6	BP handle of standard length and type	a- No. 3 b- No.4 c- No. 7	15 15 05
7	Humby"s knife handle	Length of 30 – 32 cm	2
8	Towel Clamps	a) Jones type. 8-10cm b) Backhaus type. 8-10 cm	60 60
9	Metzenbaum Scissors, (Tungsten Carbide)	a- Curved, blunt tip, 145 mm b- curved, blunt tip, 180 mm long c- curved, blunt tip, 230 mm long	10 10 10
10	Metzenbaum Scissors, (Tungsten Carbide)	a- fine, straight, blunt tip, 145 mm b- fine, straight, blunt tip, 180 mm	06 06
11	Baby-Metzenbaum Scissors	a- fine, curved, pointed tip, 145 mm	6
12	Operating scissors	a- Straight, B/B; 14-15 cm long b- Straight, B/B; 18-19 cm long c- Straight, S/S; 12-13 cm long d- Straight, S/S; 16-17 cm long e- Curved, B/B, 17-18 cm long f- Curved, S/S, 17-18 cm long	04 04 04 04 04 04

13	Suture cutting Scissors	a) Straight, 11-12cm b) Straight, 16-18 cm c) Curved, 20-22cm	04 10 10
14	Iris Scissors	a- Straight, 11-12 cm b- Curved, 11-12 cm	06 06
15	Metzenbaum‟s – Thorek Scissors (Tungsten Carbide)	a- 20-21 cm long	6
16	Pott‟s Smith Scissors	a- 180-190 mm long; 25 degree with bead at the tip of posterior blade b- 180-190 mm long; 45 degree	01 02
17	Favaloro vascular forceps	a- 140 mm long	2
18	Mayo‟s Scissors	a- Straight, bevelled edges, 13-14 cm b- Curved, bevelled edges, 13-14 cm c- Straight, bevelled blades, 18-20 cm d- Curved bevelled blades, 18-20 cm	05 05 05 05
19	Stitch cutting scissors	Straight type; 13-15 cm long	10
20	Lister‟s Bandage scissors	a- Double finger bow of 18-20 cm	2
21	ALLIS Baby tissue grasping forceps 4/5 teeth	a- 130 mm long	15
22	ALLIS tissue grasping Forceps atraumatic jaw 150mm" "	a- 155 mm long b- 200 mm long	24 24
23	ALLIS tissue grasping forceps; 4x5 teeth	a- 155 mm long	24
24	ALLIS tissue grasping forceps; 2x3 teeth	a- 155 mm long	12
25	Standard Dissecting forceps, medium width	a. 11-12 cm long b. 15-16 cm long c. 30-31 cm long	10 10 02
26	Standard Tissue Forceps with 1 x 2 toothed	a- 11-12 cm long b- 15-16 cm long	10 10
27	WAUGH toothed dissecting Forceps medium	a- 200 mm long	6
28	ADSON dissecting forceps; bayonet shaped	a- 175 mm long	6
29	Lister Sinus Forceps	a- 12-13 cm long b- 17-18 cm long	02 06
30	Micro Dissecting Forceps	15-16 cm long	3
31	Mini-Adson‟s dissecting Forceps	11-12cm;	10
32	Micro-Adson‟s tissue Forceps	11-12cm; 1x2 toothed	8
33	DEBAKEY dissecting and tissue forceps; jaws 2mm width	a- 150 mm long b- 200 mm long c- 240 mm long	06 06 06

34	Mc Indoe‟s dissecting forceps	a- 15-16 cm long	2
35	Bull dog clamp	a- Debakey‟s type:30-35mm; angled10 mm jaw b- 40-45 mm;20mm straight jaw c- 55-60 mm; straight 20-22 mm jaw length	05 05 05
36	SPENCER WELLS Haemostatic Forceps	a- Curved, serrated Jaws, 130 mm b- Curved, serrated Jaws, 175 mm c- Curved, serrated Jaws, 230 mm d- Straight, serrated Jaws, 130 mm e- Straight, serrated Jaws, 175 mm f- Straight, serrated Jaws, 230 mm	36 36 36 36 36 36
37	Dunhill Hemostatic Forceps	a- Straight, 125 mm	24
38	MICRO-HALSTEAD Mosquito Artery Forceps	a- Straight, 120-130 mm b- Curved, 120-130 mm	60 60
39	Baby-Mosquito (Hartmann	a- 100 mm, straight b- 100mm, curved	30 30
40	KOCHERS haemostatic forceps	a- Straight, 1x2 teeth, 130-140 mm b- Curved, 1x2 teeth, 130-140 mm	10 10
41	KOCHERS- OCHSNER haemostatic forceps	a- Straight, 1x2 teeth, 225 mm b- Curved, 1x2 teeth, 225 mm	10 10
42	Lahey‟s Hemostatic Forceps	a- Curved, 180-200 mm long b- Curved, 220-230 mm long	06 06
43	KELLYS Dissecting & Hemostatic Forceps	a- Curved, 190 mm long b- Curved, 240 mm long	12 12
44	MIXTERS Dissecting & ligature forceps	a- 160 mm long b- 220 mm long c- 250 mm long	04 04 04
45	MIXTERS- Baby Dissecting & ligature forceps	a- 130- 140 mm long	6
46	Adson Baby Dissecting and Hemostatic Forceps	a- 140-150 mm long b- 180 mm long	03 03
47	BABCOCK tissue grasping Forceps atraumatic jaw	a- 155 mm long b- 200 mm long	24 24
48	Duval intestinal and tissue grasping forceps	a- 230 mm long	3
49	PEAN KIDNEY CLAMP	a- 220 mm long	3

50	Kocher Atraumatic Intestinal Clamps; very soft and elastic	a- Straight type; 220 mm long b- Straight type; 280 mm long c- Curved type; 220 mm long d- Curved type; 280 mm long	06 06 06 06
51	Baby Kocher Intestinal clamps: very elastic	a- Straight; 130 mm long b- Curved; 130 mm long	06 06
52	PAYRS stomach clamps large	a- 145mm jaw length; 315mm long	2
53	Desjardins Gallstone Forceps (of different curvatures)	a- 225 mm long, b- 240 mm long	06 06
54	Mixter Gallstone Forceps	22-23 cm long	3
55	Bakes Gall Duct Dilator	a- 5 mm size b- 10mm	02 02
56	Skin Hook	a- Single Sharp hook; 15-16 cm long b- Double Hooklets; 15-16 cm	12 06
57	CUSHING VEIN RETRACTOR	a- 10 X 13 mm, 205 mm long	6
58	DEBAKEY TANGENTIAL OCCLUSION CLAMPS	a- 58mm x 270mm	2
59	KRYENBHUL nerve hook with small ball	a- 180-190 mm long	6
60	Proctoscope	a- Paediatric size b- Adult size	01 05
61	Rectal Punch Biopsy Forceps	a- Paediatric size b- Adult Size	01 02
62	MAYO HEGAR needle holder T/C Tip	a- 150 mm long b- 180 mm long c- 200 cm long	10 10 10
63	De Bakey Needle Holders	a- 250mm long b- 300 mm long	04 04
64	BABY CRILE WOOD Needle Holder	a- 150 mm long	6
65	Ryder-vascular needle holder	a- 155 mm long b- 220 mm long	03 03
66	CASTROVIEJO needle holder, TC tip	a- 145 mm long b- 180 mm long	03 02
67	DENIS-BROWNE abdominal retractors	a- Frame of 175x150 mm with 4 blades of 40x30 mm b- Frame of 175x150 mm with 4 blades of 40x40 mm	2 sets 2
68	Gil-Vernet saddle hook retractors	a- Saddle hook type of 17-18 mm; 23-24 cm long b- Saddle hook type of 20-21 mm; 23-24 cm long c- Saddle hook type of 23-24mm; 23-24 cm long	02 02 02

69	Senn-Miller retractor	a- Triplet hooklets, blunt hooklets; 16-18 cm long	3
70	Langenbeck‟s retractor	a- Ring type fenestrated handle; 30x11mm, 21-22cm long b- Ring type fenestrated handle; 40x11mm, 21-22cm long c- Ring type fenestrated handle; 50x11mm, 21-22cm long d- Ring type fenestrated handle; 85x15mm, 22-23cm long	15 06 06 04
70	Lahey‟s Retractor	a- 29x6 mm jaw length; 19-20 cm long	6
71	Brunner‟s Retractor	a- Jaw length of 14 x 3 cm, 24-25 cm long	2
72	Deaver Retractor	a. 30-35 cm long, 3.8-4.2cm wide b. 30-35 cm long, 4.8-5.2cm wide c. 30-35 cm long, 7.0-7.5cm wide d. 30-35 cm long, 2.0-2.5cm wide e. 20-25cm long, 2.0-2.4cm wide	06 06 06 02 02
73	Morris wound retractors	a- Limb of 70x40 mm; 245 mm long b- Limb of 70x65 mm; 245 mm long	04 05
74	Allisons Lung retractor	a- 320 mm long; jaw width of 54 mm	2
75	Joll retractor	15 - 16 cms size	4
76	Balfour –Standard abdominal Retractor	Size 20 cm; lateral blades of 100x35 mm with one central blades	2
77	Doyen‟s retractor	Blade of 45x88 mm , 24- 25 cm long	6
78	Czerny retractor	175mm long, 38 X 22mm	6
79	Abdominal Spatula	a- Soft, Malleable; 32-34cm long, 50mm wide b- Soft, Malleable; 32-34cm long , 40mm wide c- Soft, Malleable; 32-34cm long, 30mm wide d- Soft, Malleable; 20-22cm long, 25mm wide	2 2 2 2
80	Satinsky Tangential clamps	a- 22 cm long	4
81	De Bakey multipurpose vascular clamps	a- 15 cm long b- 22 cm long	03 03
82	PEAN hemostatic forceps	a- Straight, 155 mm long b- Curved, 155 mm long	03 03
83	De Bakey-Pean Hemostatic Forceps	a- Curved, 200 mm long b- Straight, 200 mm long	06 06
84	Lovelace Lung Grasping Forceps	a- Small b- Large	01 01
85	Fistula Probe, double ended,	a- DIA.:1.5mm; 145mm long, malleable, b- DIA.: 2 mm; 200mm long, malleable	06 06
86	NELATON Grooved directors	CURVED 160MM"	3
87	Universal Trocar	14 m long, 7-09 mm thick	2

88	Suction Tips	a- Frazier type; 3 mm: 19-20 cm long b- Poole type; Sump suction tube of 10mm size and 23-24 cm long.	06 06
89	MAYOS safety pin instrument Holder	a- 140 mm long	12
90	DOYEN'S rib raspatories; left, adult	a- 175 mm long	3
91	DOYEN'S rib raspatories; right, adult	a- 175 mm long	3
92	SAUERBRUCH RIN RONGEURS Powerfulc/action 310mm	a- 310 mm long, round bite	1
93	LISTON-KEY-HORSLEY bone cutting forceps	S shaped; 255mm long	1
94	SIM‟S RECTAL SPECULUM	A- 15-16 cm with solid blades	2
95	MOLLISON S/R RETRACTOR	4X4 prongs sharp 150mm	2
96	Hernia Ring Forceps for retraction of cord	a- 145 mm long	6
97	DESCHAMPS-blunt ligature needles; right hand	215 mm long	3
98	FARABEUF periosteal elevators	155	2
99	BRISTOW periosteal elevator	230 mm long	2
100	VOLKMANN double ended bone currette	170-180 mm long	4
101	CUSCO standard vaginal speculum	a- Small, 80x24 mm b- Large, 110x37 mm	01 01
102	FINOCHIETTO chest retractor	a- Infant size; lateral blades of approx. 12x15 mm long b- Baby size; lateral blades of approx. 30x30mm long c- Large size; lateral blades of 80x65 mm long d- Large size; lateral blades of 80x65 mm long	03 02 02 01
103	Bailey Baby rib contractors	155 mm long	1
104	Bailey rib contractors for adults	Long claw; 200mm long	4
105	BENSON pyloric spreader	155 mm long	1
106	DITTEL urethral bougies	No 8-30 Fr Gauze	2 sets
107	Container Systems: Metal & Plastic	For sterilization and storage of telescopes, hand instruments and other accessories. Different sizes	3
108	Hemorrhoidal banding gon with accessories	Suction type	4

Item Sl. No. 55
Mobile Examination Light

SL NO	Technical Specification of Mobile Examination Light
1	**Technical Specification**
1.1	To provide cool, intense, focused light of 5000 lux.
1.2	Should be halogen bulb of 50/75 W at low voltage, Step down transformer (compact) mounted inside the head.
1.3	Should have bulb retainer to prevent accidental unplugging and fall.
1.4	Should have protective shade with holds on top to dissipate heat.
1.5	5 spokes stand mounted on caster of 5cm diameter.

1.6	Maximum height – 170 cms
1.7	Tubing of MS, pretreated and epoxy powder coated.
1.8	Cable length – 2m
2	**Standards, Safety and Training**
2.1	Manufacturer should have ISO certification

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 Batteries for UPS, other vacuumatic parts wherever applicable) Warranty period will be 5 years from the date of installation, commissioning and Site Modification Work from the date of satisfactory installation, commissioning, trial run & handing over of equipment to Hospital/Institution/Medical College.
   b) 95% 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. The same will be in line with the training modalities as specified in general technical specification.
4. Annual Comprehensive Maintenance Contract (CMC) of subject equipment with Site Modification Work:
   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 Batteries for UPS, other vacuumatic parts wherever applicable) and Site Modification Work (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. The same will be taken at Net Present Value with a 10% discounting factor each year.
   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 95% 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.

5. Site Modification Work:

Site Modification Work is indicated in the technical specification of the respective items, wherever required. The Tenderer shall examine the existing site where the equipment is to be installed, in consultation with HOD of Hospital/Institution/Medical College concerned. Site Modification Work details of each Hospital/Institution/Medical College are given at the end of Technical Specification. The Tenderer to quote prices indicating break-up of prices of the Machine and Site Modification Work of each Hospital/Institution/Medical College. The Site Modification Work 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 Site Modification Work should completely comply with AERB requirement, if any.

Note 1: Tenderer's attention is drawn to GIT clause 18 and GIT sub-clause 11.1 A (iii). The tenderer is to provide the required details, information, confirmations, etc. accordingly failing which it's tender is liable to be ignored.

Note 2: General: Bidders are requested to make sure that they should attach the list of equipment for carrying out routine and preventive maintenance wherever asked for and should make sure that Electrical Safety Analyzer / Tester for Medical equipment to periodically check the electrical safety aspects as per BIS Safety Standards IS-13540 which is also equivalent to IEC electrical safety standard IEC-60601 is a part of the equipment s. If the Electrical Safety Analyzer/Tester is not available they should provide a commitment to get the equipment checked for electrical safety compliance with Electronic Regional Test Labs / Electronics Test and Development Centres across the country on every preventive maintenance call.

Note 3: Adequate training of personnel and non-locked open software and standard interface interoperability conditions for networked equipment in hospital management information system (HMIS)

The successful tenderer will be required to undertake to provide at his cost technical training for personnel involved in the use and handling of the equipment on site at the institute immediately after its installation. The company shall be required to train the institute personnel onsite for a minimum period of 1 month

All software updates should be provided free of cost during warranty period and CMC period

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
- 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 skilled
- c unskilled

Signature and seal of the Tenderer

SECTION – IX

QUALIFICATION CRITERIA

1. The tenderer must be a manufacturer. In case the manufacturer does not quote directly, they may authorize an 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 25% of the quoted quantity (rounded off to next whole number) of the similar equipment meeting major parameters of technical specification which is functioning satisfactorily.

2(b) The Tenderers quoting as authorized representative of the manufacturer meeting the above criteria should have executed at least one contract in the last five years from the date of tender opening of medical equipment anywhere in India of the same manufacturer.

3. The bidders/ firms identifying as MSME and or start-up firms are exempted from fulfilling criteria at S. No. 2 (a) and 2(b) stated above. However, this does not exempt any bidder/ firm/ manufacturer from fulfilling the quality requirements.
If the bidder is an MSME, it shall declare in the bid document the Udyog Aadhar Memorandum Number issued to it under the MSMED Act, 2006. If an MSME bidder do not furnish the UAM Number along with bid documents, such MSME units will not be eligible for the benefits available under Public Procurement Policy for MSEs Order 2012.

NOTE:

1. The tenderer shall give an affidavit as under:

   "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."

2. In support of 2 (a) & 2 (b), the Tenderer shall furnish Performance statement in the enclosed Proforma 'A'.
   The manufacturer (Tenderer)/ Indian Agent shall furnish Satisfactory Performance Certificate in respect of above, duly translated in English and duly notarized in the country of origin, alongwith the tender.

3. 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. **The bidder should submit the manufacturer's production capacity, meeting the quantity**

requirement and delivery schedule requirement of this tender document.

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 purchser 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.**

**** The bidders are requested to submit the latest purchase order copies supplied to AIIMS, PGIMER, JIPMER, Institute of National importance for the specific model quoted along with the price bid.**

SECTION – X

TENDER FORM

Date_____

To
CEO
HLL Infra Tech Services Limited
Procurement and Consultancy Division
B-14 A, Sector -62, Noida -201307, Uttar Pradesh.

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 as shown in the price schedules 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

Price to be filled in the relevant field of Price Format in Excel provided in the e-tendering portal.

SECTION – XII
QUESTIONNAIRE

Fill up the Techno-Commercial Compliance Sheet Bid provided in spreadsheet (Excel file) and upload in the C-Folder

1. The tenderer should furnish specific answers to all the questions/issues mentioned in the Techno-Commercial Compliance Sheet. 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 scanned 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, their tender is liable to be ignored.

Note: *The documents like Priced Proforma Invoice (Single Proforma Invoice from Manufacturer's indicating uniform unit rates) and List of Consumables with prices can be uploaded in the Notes & Attachment under Rfx information (Please note, in the separate Notes & Attachment provided under Rfx information and not in the C-Folder Notes & Attachments).*

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:-

   fails or refuses to furnish the performance security for the due performance of the contract or
   fails or refuses to accept/execute the contract or
   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 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 – XIV

MANUFACTURER'S AUTHORISATION FORM

CEO
HLL Infra Tech Services Limited
Procurement and Consultancy Division
B-14 A, Sector -62, Noida -201307, Uttar Pradesh.

Dear Sir,

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 also state that we are not participating directly in this tender for the following reason(s): _____*(please provide reason here).*

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.

We also hereby confirm that we would be responsible for the satisfactory execution of contract placed on the authorised agent

We also confirm that the price quoted by our agent shall not exceed the price which we would have quoted directly"

Yours faithfully,

[*Signature with date, name, designation and Email*]
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 and having the power of attorney to legally bind the manufacturer.
(2) Original letter may be sent.
(3) The purchaser reserves the right to verify this document with its signatory.

SECTION – XV

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC SECURITY

CEO
HLL Infra Tech Services Limited
Procurement and Consultancy Division
B-14 A, Sector -62, Noida -201307, Uttar Pradesh.

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 till such time to cover two months beyond the warranty period 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/Consignee
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) _____
   (ii) 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

6. Warranty clause
7. Payment terms
8. 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: _____

CONTRACT FORM – B

CONTRACT FORM FOR ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT

Annual CM Contract No._____ dated_____

Between
(Address of Head of Hospital)

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

1. 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) _____

2. 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)

3. 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 Site Modification Work (if any).
4. There will be 95% 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.
5. 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.
6. All software updates should be provided free of cost during CMC.

7. 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.
8. 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.
9. **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.
10. **Paying authority:** _____ (name of the consignee i.e. Hospitalauthorised official)

_____
(Signature, name and address
of Hospital 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 site hand-over to the supplier by consignee: _____
(i) Date of commissioning and proving test:_____

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

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

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:

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

Consignee List

Sl. No.	Name of Hopsital and Address	Consignee Code	State	Airport	Dry Port/ Seaport
1	The Principal Siddartha Medical College NH 16 Service Road, Opp. Varun Maruthi Showroom Near Health University, Gunadala, Vijayawada Andhra Pradesh 520008 Phone: 09849903130 Email: principalsmcvja@yahoo.com	SMC-Vijayawada	Andhra Pradesh	Hyderabad	Vizag
2	Dr. M. Neeraja The Dean/ The Principal Govt. Medical College Opp. EE Roads & Buildings, Sai Nagar, Anantapur Andhra Pradesh - 515001 Phone : 08554-249115, 274568 EMail : gmc_atp@ap.nic.in; principal.gmcatp@yahoo.in	GMC-Anantapur	Andhra Pradesh	Hyderabad	Vizag
3	Dr. K. Ashok The Director Director's Quarters RIMS Campus Rajiv Gandhi Institute of Medical Sciences, Adilabad Vidya Nagar, Adilabad, Telangana 504001 Office: 08732-220521 Email: rimsadilabad@yahoo.com; directorrimsadilabad@yahoo.com	RGIMS-Adilabad	Telangana	Hyderabad	Vizag
4	Dr. Abbagani Vidyasagar The Principal Kakatiya Medical College, Waranagl Rangampet Street, Warangal, Telangana 506007 Phone: 0870-2446355, 2446888 Email: pwarangal@gmail.com; kmc_wgl@ap.nic.in	GMC-Warrangal	Telangana	Hyderabad	Vizag
5	Prof. A.K. Adhikari The Principal-cum-Chief Superintendent Gauhati Medical College Guwahati-781032 Tel: +91-2134538 / 2132751 Email: gmch-asm@nic.in	GMC-Guwahati	Assam	Kolkata	Kolkata

Sl. No.	Name of Hopsital and Address	Consignee Code	State	Airport	Dry Port/ Seaport
6	The Principal Assam Medical College, Dibrugarh Barbari, Dibrugarh, Assam - 786 002 Phone No. : (0373) 2300080, 2300352 Email: principalamch@rediffmail.com	AMC-Diburgarh	Assam	Kolkata	Kolkata
7	The Principal Srikrishna Medical College, Muzaffarpur NH 77, Uma Nagar, Rasulpur Saidpur Bazid Bihar - 842001 Phone No. : 0621-2260177 Email: info@skmedicalcollege.in	SKMC-Muzaffarpur	Bihar	Kolkata	Kolkata
8	The Principal Govt. Medical College, Darbhanga DMCH Road, Laheriasaria Darbhanga Bihar - 846001 Phone No. : 06272 233 092 Email: principaldmc202@gmail.com	GMC-Dharbhanga	Bihar	Kolkata	Kolkata
9	Dr. H. M. Mangal The Dean Govt. Medical College Civil Hospital Campus, Rajkot - 360001 Ph. No. : +91 281 2458337,2458338, 2458339 Email Address : deanrajkot@yahoo.co.in	PDUMC-Rajkot	Gujarat	Ahmedabad	Mundra / Pipavav / Kandla
10	The Principal Patliputra Medical College, Dhanbad B.C.C.L. Township, Koyla Nagar Dhanbad - 826005, Jharkhand Phone : +91-326-2230465 Email: enquiry@pmchdhanbad.com	PMCH-Dhanbad	Jharkhand	Kolkata	Kolkata
11	The Director Vijayanagar Institute of Medical Sciences Contonment, Bellary - 583104 Karnataka Phone: 08392-235201, 08392-242387 Email: directorvimsbellary@gmail.com	VIMS-Bellary	Karnataka	Bangalore	Bangalore
12	The Director Karnataka Institute of Medical Sciences,P. B Road, Vidyanagar Hubali - 580 022, Karnataka, India Phone: +91- 836- 2370057, +91- 836 - 2373447, +91 - 836 - 2373641 Email: directorkimshubli@gmail.com	KIMC-Hubbali	Karnataka	Bangalore	Bangalore

Sl. No.	Name of Hopsital and Address	Consignee Code	State	Airport	Dry Port/ Seaport
13	The Principal Government Medical College Medical College Rd, Kozhikode Kerala - 673008 Phone: 0495 235 0202 Email: principalmcc@gmail.com	GMC-Kozhikode	Kerala	Kochi	Kochi
14	Dr. N. Sridevi The Principal T. D. Medical College, Alappuzha Vandanam, Alappuzha, Kerala 688001 Phone: 0477 228 2611 Email: tdmcalappuzha@gmail.com	GTDMC-Alappuzha	Kerala	Kochi	Kochi
15	The Dean Govt. Medical College Jail Road, Near Sanjay Gandhi Hospital, Rewa Madhya Pradesh 486001 Phone: 07662-241655 Email: deanmcrewa@rediffmail.com	GMC-Rewa	Madhya Pradesh	Mumbai	Mumbai
16	The Director Netaji Subhash Ch. Bose Medical College, Jabalpur Nagpur Road, Jabalpur, Madhya Pradesh 482003 Phone: 076123 70951 Email: nscbmcjb@gmail.com	NSBMC-Jabalpur	Madhya Pradesh	Mumbai	Mumbai
17	Dr. S. N. Iyengar The Dean Gajra Raja Medical College, Gwalior Veer Savarkar Marg, Gwalior - 474009 Madhya Pradesh Phone: +91 (0751) 2403400 Email: grmc1946@yahoo.co.in	GRMC-Gwalior	Madhya Pradesh	Mumbai	Mumbai
18	The Dean Govt. Medical College, Aurangabad Panchakki Road, Aurangabad - 431001 Maharashtra Ph No. : 0240-2402028 Email: deangmca@gmail.com	GMC-Aurangabad	Maharashtra	Mumbai	Mumbai
19	The Dean Govt. Medical College, Latur Near Old Railway Station Latur (M.S.) 413512 Call us: 02382 247676 E-mail: info@gmclatur.org	GMC-Latur	Maharashtra	Mumbai	Mumbai

Sl. No.	Name of Hopsital and Address	Consignee Code	State	Airport	Dry Port/ Seaport
20	The Dean Govt. Medical College, Akola Akola - 444 001 Maharashtra Phone +91- 0724-2431960 Email : acadgmca@hotmail.com	GMC-Akola	Maharashtra	Mumbai	Mumbai
21	The Dean Shri Vasantrao Naik Govt. Medical College, Yavatmal Maharashtra - 445001 Phone: (07232) 242456,240843 Email: deanvngmc@sancharnet.in	SVNGMC-Yavatmala	Maharashtra	Mumbai	Mumbai
22	The Dean and Principal M. K. C. G. Medical College, Berhampur Berhampur, District - Ganjam Odisha. Pin: 760 004 Tel. No. (0680) 2292746 Fax: (0680) 2292809 E-mail : mkcgmc.bam@gmail.com	MKCGMC-Berhampur	Orissa	Kolkata	Kolkata
23	The Dean and Principal V. S. S. Medical College, Burla Burla, Sambalpur, Odisha - 768017 Phone: +91-6632430768 Email: vssmcburlaorissa@gmail.com	VSSMC-Burla	Orissa	Kolkata	Kolkata
24	The Principal Government Medical College Sangrur Road, New Lal Bagh, Patiala, Punjab 147001 Ph: 0175 221 2018 Email: gomcoitcell@yahoo.com	GMC-Patiala	Punjab	New Delhi	New Delhi
25	The Principal S. P. Medical College, Bikaner PBM Hospital, Bikaner, Rajasthan 334001 Phone: 0151 222 6300 Email: principal_spmc@live.com	SPMC-Bikaner	Rajasthan	Jaipur	Mundra / Pipavav / Kandla
26	The Principal R. N. T. Medical College, Udaipur Near Collectorate, Hospital Rd, Court Chouraha, Udaipur, Rajasthan 313001 Phone: 0294 241 8258 Email: rnt_mcudr62@rediffmail.com; rntmedicaleducationdept@gmail.com	RNTMC-Udaipur	Rajasthan	Jaipur	Mundra / Pipavav / Kandla
27	The Principal Govt. Medical College, Kota, LIC Office, Rangbari Rd, Sector - A, Rangbari, Kota, Rajasthan 324010 Phone: 0141 222 7406 Email: principalmck@gmail.com	GMC-Kota	Rajasthan	Delhi Air Cargo	Icd, Tughlakabad

Sl. No.	Name of Hopsital and Address	Consignee Code	State	Airport	Dry Port/ Seaport
28	The Dean Thanjavur Medical College, Thanjavur Tamil Nadu - 613 004 Phone: 04362-240851, 04362-240951 Email: thjmc_tn@yahoo.com	GMC-Thanjavur	Tamil Nadu	Chennai	Chennai
29	The Dean Tirunelveli Medical College, Tirunelveli Address: Palayamkottai Tamil Nadu 627011 Phone: 0462 257 2733 Email: dean@tvmc.ac.in	GMC-Tirunelveli	Tamil Nadu	Chennai	Chennai
30	The Principal Agartala Govt. Medical College Agartala - 799 006 Phone: 03812357130/ 2356701 Email: agmc-tr@nic.in, agmc@rediffmail.com	AMC-Tripura	Tripura	Kolkata	Kolkata
31	The Dean Govt. Medical College, Jhansi Public Relation Officer Maharani Laxmi Bai Medical College, Hospital Jhansi Phone:- 0510-2321446 Email: principalmcjhs@gmail.com,clmlmcj@gmail.com	GMC-Jhansi	Uttar Pradesh	Delhi Air Cargo	Icd, Tughlakabad
32	The Principal B.R.D.Medical college Gorakhpur Uttar Pradesh 273013 Phone: 0551 250 1736 Email Id :brdmcgkp1969@gmail.com, info@brdmc.org	GMC-Gorakhpur	Uttar Pradesh	Delhi Air Cargo	Icd, Tughlakabad
33	The Principal M. L. N. Medical College, Allahabad George Town, Allahabad, Uttar Pradesh 211002 Phone: 2147483647 Email: ansari@gmail.com	MLNMC-Allahabad	Uttar Pradesh	Delhi Air Cargo	Icd, Tughlakabad
34	The Principal L. L. R. Medical College, Meerut Garh Road, Jai Bhim Nagar, Meerut Uttar Pradesh 250004 Phone: 0121-2760888 Email: medllrm@yahoo.com	LLRMMC-Meerut	Uttar Pradesh	Delhi Air Cargo	Icd, Tughlakabad

Sl. No.	Name of Hopsital and Address	Consignee Code	State	Airport	Dry Port/ Seaport
35	The Principal B. S. Medical College, Bankura Kenduadihi, Bankura West Bengal 722101 Phone: 03242 244 700 Email: bsmc_xsa@yahoo.com, prin_bsmc@wbhealth.gov.in	BSMC-Bankura	West Bengal	Kolkata	Kolkata
36	The Principal Govt. Medical College, Malda Englishbazar, Malda, West Bengal 732101 Phone: 03512 221 087 Email: prin_mldmch@wbhealth.gov.in	GMC-Malda	West Bengal	Kolkata	Kolkata
37	The Principal Prof. Samir Chandra Ghosh Roy North Bengal Medical College, Darjeeling Thiknikata, India, Siliguri, Darjeeling West Bengal 734012 Phone: 098320 17967 Email: sgroy53@gmail.com	NBMC-Darjeeling	West Bengal	Kolkata	Kolkata

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

APPENDIX – A

No. P-45021/2/2017-B.E.-II
Government of India
Ministry of Commerce and Industry
Department of Industrial Policy and Promotion
****

Dated 15th June, 2017
Udyog Bhawan, New Delhi

To

All Central Ministries/Departments/CPSUs/All concerned

ORDER

Subject: Public Procurement (Preference to Make in India), Order 2017

Whereas it is the policy of the Government of India to encourage 'Make in India' and promote manufacturing and production of goods and services in India with a view to enhancing income and employment, and

Whereas procurement by the Government is substantial in amount and can contribute towards this policy objective, and

Whereas local content can be increased through partnerships, cooperation with local companies, establishing production units in India or Joint Ventures (JV) with Indian suppliers, increasing the participation of local employees in services and training them,

Now therefore the following Order is issued :

1. This Order is issued pursuant to Rule 153 (iii) of the General Financial Rules 2017.
2. **Definitions**: For the purposes of this Order:

   'Local content' means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.

   'Local supplier' means a supplier or service provider whose product or service offered for procurement meets the minimum local content as prescribed under this Order or by the competent Ministries / Departments in pursuance of this order.

   'L1' means the lowest tender or lowest bid or the lowest quotation received in a tender, bidding process or other procurement solicitation as adjudged in the evaluation process as per the tender or other procurement solicitation.

   'margin of purchase preference' means the maximum extent to which the price quoted by a local supplier may be above the L1 for the purpose of purchase preference.

   'Nodal Ministry' means the Ministry or Department identified pursuant to this order in respect of a particular item of goods or services.

.....Contd. p.2/-

'Procuring entity' means a Ministry or department or attached or subordinate office of, or autonomous body controlled by, the Government of India and includes Government companies as defined in the Companies Act.

3. **Requirement of Purchase Preference**: Subject to the provisions of this Order and to any specific instructions issued by the Nodal Ministry or in pursuance of this Order, purchase preference shall be given to local suppliers in all procurements undertaken by procuring entities in the manner specified hereunder:

   a. In procurement of goods in respect of which the Nodal Ministry has communicated that there is sufficient local capacity and local competition, and where the estimated value of procurement is Rs. 50 lakhs or less, only local suppliers shall be eligible. If the estimated value of procurement of such goods is more than Rs. 50 lakhs, the provisions of sub-paragraph b or c, as the case may be, shall apply.

   b. In the procurements of goods which are not covered by paragraph 3a and which are divisible in nature, the following procedure shall be followed:

      i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract for full quantity will be awarded to L1.

      ii. If L1 bid is not from a local supplier, 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the local suppliers, will be invited to match the L1 price for the remaining 50% quantity subject to the local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such local supplier subject to matching the L1 price. In case such lowest eligible local supplier fails to match the L1 price or accepts less than the offered quantity, the next higher local supplier within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on local suppliers, then such balance quantity may also be ordered on the L1 bidder.

   c. In procurements of goods not covered by sub-paragraph 3a and which are not divisible, and in procurement of services where the bid is evaluated on price alone, the following procedure shall be followed:

      i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract will be awarded to L1.

      ii. If L1 is not from a local supplier, the lowest bidder among the local suppliers, will be invited to match the L1 price subject to local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such local supplier subject to matching the L1 price.

      iii. In case such lowest eligible local supplier fails to match the L1 price, the local supplier with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the local suppliers within the margin of purchase preference matches the L1 price, then the contract may be awarded to the L1 bidder.

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4. **Exemption of small purchases**: Notwithstanding anything contained in paragraph 3, procurements where the estimated value to be procured is less than Rs. 5 lakhs shall be exempt from this Order. However, it shall be ensured by procuring entities that procurement is not split for the purpose of avoiding the provisions of this Order.
5. **Minimum local content**: The minimum local content shall ordinarily be 50%. The Nodal Ministry may prescribe a higher or lower percentage in respect of any particular item and may also prescribe the manner of calculation of local content.
6. **Margin of Purchase Preference**: The margin of purchase preference shall be 20% .
7. **Requirement for specification in advance**: The minimum local content, the margin of purchase preference and the procedure for preference to Make in India shall be specified in the notice inviting tenders or other form of procurement solicitation and shall not be varied during a particular procurement transaction.
8. **Government E-marketplace**: In respect of procurement through the Government E-marketplace (GeM) shall, as far as possible, specifically mark the items which meet the minimum local content while registering the item for display, and shall, wherever feasible, make provision for automated comparison with purchase preference and without purchase preference and for obtaining consent of the local supplier in those cases where purchase preference is to be exercised.
9. **Verification of local content**:
    a. The local supplier at the time of tender, bidding or solicitation shall be required to provide self-certification that the item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made.
    b. In cases of procurement for a value in excess of Rs. 10 crores, the local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.
    c. Decisions on complaints relating to implementation of this Order shall be taken by the competent authority which is empowered to look into procurement-related complaints relating to the procuring entity.
    d. Nodal Ministries may constitute committees with internal and external experts for independent verification of self-declarations and auditor's/ accountant's certificates on random basis and in the case of complaints.
    e. Nodal Ministries and procuring entities may prescribe fees for such complaints.
    f. False declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.
    g. A supplier who has been debarred by any procuring entity for violation of this Order shall not be eligible for preference under this Order for procurement by any other procuring entity for the

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duration of the debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities, in the manner prescribed under paragraph 9h below.

h. The Department of Expenditure shall issue suitable instructions for the effective and smooth operation of this process, so that:

   i. The fact and duration of debarment for violation of this Order by any procuring entity are promptly brought to the notice of the Member-Convenor of the Standing Committee and the Department of Expenditure through the concerned Ministry /Department or in some other manner;

   ii. on a periodical basis such cases are consolidated and a centralized list or decentralized lists of such suppliers with the period of debarment is maintained and displayed on website(s);

   iii. in respect of procuring entities other than the one which has carried out the debarment, the debarment takes effect prospectively from the date of uploading on the website(s) in the such a manner that ongoing procurements are not disrupted.

10. **Specifications in Tenders and other procurement solicitations**:

a. Every procuring entity shall ensure that the eligibility conditions in respect of previous experience fixed in any tender or solicitation do not require proof of supply in other countries or proof of exports.

b. Procuring entities shall endeavour to see that eligibility conditions, including on matters like turnover, production capability and financial strength do not result in unreasonable exclusion of local suppliers who would otherwise be eligible, beyond what is essential for ensuring quality or creditworthiness of the supplier.

c. Procuring entities shall, within 2 months of the issue of this Order review all existing eligibility norms and conditions with reference to sub-paragraphs 'a' and 'b' above.

d. If a Nodal Ministry is satisfied that Indian suppliers of an item are not allowed to participate and/ or compete in procurement by any foreign government, it may, if it deems appropriate, restrict or exclude bidders from that country from eligibility for procurement of that item and/ or other items relating to that Nodal Ministry. A copy of every instruction or decision taken in this regard shall be sent to the Chairman of the Standing Committee.

e. For the purpose of sub-paragraph 10 d above, a supplier or bidder shall be considered to be from a country if (i) the entity is incorporated in that country, or ii) a majority of its shareholding or effective control of the entity is exercised from that country; or (iii) more that 50% of the value of the item being supplied has been added in that country. Indian suppliers shall mean those entities which meet any of these tests with respect to India."

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11. **Assessment of supply base by Nodal Ministries**: The Nodal Ministry shall keep in view the domestic manufacturing / supply base and assess the available capacity and the extent of local competition while identifying items and prescribing minimum local content or the manner of its calculation, with a view to avoiding cost increase from the operation of this Order.

12. **Increase in minimum local content**: The Nodal Ministry may annually review the local content requirements with a view to increasing them, subject to availability of sufficient local competition with adequate quality.

13. **Manufacture under license/ technology collaboration agreements with phased indigenization**: While notifying the minimum local content, Nodal Ministries may make special provisions for exempting suppliers from meeting the stipulated local content if the product is being manufactured in India under a license from a foreign manufacturer who holds intellectual property rights and where there is a technology collaboration agreement / transfer of technology agreement for indigenous manufacture of a product developed abroad with clear phasing of increase in local content.

14. **Powers to grant exemption and to reduce minimum local content**: Ministries /Departments of Government of India and the Boards of Directors of Government companies or autonomous bodies may, by written order,

    a. reduce the minimum local content below the prescribed level;

    b. reduce the margin of purchase preference below 20% ;

    c. exempt any particular item or procuring or supplying entities or class or classes of items or procuring or supplying entities from the operation of this Order or any part of the Order.

    A copy of every such order shall be marked to the Member-Convenor of the Standing Committee constituted under this Order.

15. **Directions to Government companies**: In respect of Government companies and other procuring entities not governed by the General Financial Rules, the administrative Ministry or Department shall issue policy directions requiring compliance with this Order.

16. **Standing Committee**: A standing committee is hereby constituted with the following membership:

    Secretary, Department of Industrial Policy and Promotion—Chairman
    Secretary, Commerce—Member
    Secretary, Ministry of Electronics and Information Technology—Member
    Joint Secretary (Public Procurement), Department of Expenditure—Member
    Joint Secretary (DIPP)—Member-Convenor

    The Secretary of the Department concerned with a particular item shall be a member in respect of issues relating to such item. The Chairman of the Committee may co-opt technical experts as relevant to any issue or class of issues under its consideration.

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17. **Functions of the Standing Committee**: The Standing Committee shall meet as often as necessary but not less than once in six months. The Committee

    a. shall oversee the implementation of this order and issues arising therefrom, and make recommendations to Nodal Ministries and procuring entities.

    b. shall annually assess and periodically monitor compliance with this Order

    c. shall identify Nodal Ministries and the allocation of items among them for issue of notifications on minimum local content

    d. may require furnishing of details or returns regarding compliance with this Order and related matters

    e. may, during the annual review or otherwise, assess issues, if any, where it is felt that the manner of implementation of the order results in any restrictive practices, cartelization or increase in public expenditure and suggest remedial measures

    f. may examine cases covered by paragraph 13 above relating to manufacture under license/ technology transfer agreements with a view to satisfying itself that adequate mechanisms exist for enforcement of such agreements and for attaining the underlying objective of progressive indigenization

    g. may consider any other issue relating to this Order which may arise.

18. **Removal of difficulties**: Ministries /Departments and the Boards of Directors of Government companies may issue such clarifications and instructions as may be necessary for the removal of any difficulties arising in the implementation of this Order.

19. **Ministries having existing policies**: Where any Ministry or Department has its own policy for preference to local content approved by the Cabinet after 1st January 2015, such policies will prevail over the provisions of this Order. All other existing orders on preference to local content shall be reviewed by the Nodal Ministries and revised as needed to conform to this Order, within two months of the issue of this Order.

20. **Transitional provision**: This Order shall not apply to any tender or procurement for which notice inviting tender or other form of procurement solicitation has been issued before the issue of this Order.

(B. S. Nayak)
Under Secretary to Government of India
Ph. 23061257

APPENDIX-B
INTEGRITY PACT

PRE-CONTRACT INTEGRITY PACT

This Pre-Contract Integrity Pact (herein after called the Integrity Pact) is made on ___ day of the month of __ 20__

Between

HLL Infra Tech Services Ltd. [HITES], a wholly owned subsidiary company of M/s. HLL Lifecare Ltd. a Government of India Enterprise with registered office at HLL Bhavan, Poojappura, Thiruvananthapuram 695 012, Kerala, India. (Hereinafter called "HITES", which expression shall mean and include, unless the context otherwise requires, his successors in office and assigns) of the First Party.

And

M/s._____, with office at_____represented by Shri _____, Chief Executive Officer (hereinafter called the "BIDDER/Seller"/Contractor which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Party.

Preamble

[Both HITES and BIDDER referred above are jointly referred to as the Parties]

HITES intends to award, under laid down organizational procedures, Purchase orders / contract/s against Tender /Work Order /Purchase Order No.
HITES desires full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder/s and Contractor/s.

NOW, THEREFORE,

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence/prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to:-

1. Enable HITES to obtain the desired materials/ stores/equipment/ work/ project done at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement; and

2. Enable the BIDDER to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing and other corrupt practices and HITES will commit to prevent corruption, in any form, by its officials by following transparent procedures.

The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

Clause.1. Commitments of HITES

1.1 HITES undertakes that HITES and/or its Associates (i.e. employees, agents, consultants, advisors, etc.) will not demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.

1.2 HITES will, during the tender process / pre-contract stage, treat all BIDDERs with equity and reason, and will provide to all BIDDERs the same information and will not provide any such information or additional information, which is confidential in any manner, to any particular BIDDER which could afford an advantage to that particular BIDDER in comparison to other BIDDERs in relation to tendering process or during the contract execution.

1.3 All the officials of HITES regarding this Integrity Pact will report to IEM, any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach shall not be permitted.

1.4 HITES will exclude from the process all known prejudiced persons and persons who would be known to have a connection or nexus with the prospective bidder.

1.5 If the BIDDER reports to HITES with full and verifiable facts any misconduct on the part of HITES's Associates (i.e. employees, agents, consultants, advisors, etc.) and the same is prima facie found to be correct by HITES, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by HITES. Further, such an Associate may be debarred from further dealings related to the contract process. In such a case, while an enquiry is being conducted by HITES the proceedings under the contract would not be stalled.

Clause 2. Commitments of BIDDERs/ CONTRACTORs

2. The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following:-

2.1 The BIDDER will not offer, directly or indirectly (i.e. employees, agents, consultants, advisors, etc.) any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of HITES, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.

2.2 The BIDDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of HITES or otherwise in procuring the contract or forbearing to do or having done any act in relation to obtaining or execution of the contract or any other contract with HITES for showing or forbearing to show favour or disfavor to any person in relation to the contract or any other contract with HITES.

2.3 The BIDDER will not engage in collusion, price fixing, cartelization, etc. with other counterparty(s).

2.4 The Bidder (s) will not pass to any third party any confidential information entrusted to it, unless duly authorized by HITES.

2.5 The Bidder (s) will promote and observe ethical practices within its Organization and its affiliates.

2.6 BIDDER shall disclose the name and address of agents and representatives and Indian BIDDERS shall disclose their foreign principals or associates.

2.7 The Bidder (s) will not make any false or misleading allegations against HITES or its Associates.

2.8 BIDDERs shall disclose the payments to be made by them to agents/brokers or any other intermediary, in connection with this bid/contract.

2.9 The BIDDER further confirms and declares to HITES that the BIDDER is the original manufacture/integrator/authorized government sponsored export entity of the defense stores and has

not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to HITES or any of its functionaries, whether officially or unofficially to award the contract to the BIDDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.

2.10 The BIDDER while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of HITES or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.

2.11 The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.

2.12 The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.

2.13 If the BIDDER or any employee of the BIDDER or any person acting on behalf of the BIDDER, either directly or indirectly, is a relative of any of the officers of HITES, or alternatively, if any relative of an officer of HITES has financial interest/stake in the BIDDER's firm, the same shall be disclosed by the BIDDER at the time of filing of tender.

The term 'relative' for this purpose would be as defined in Section 2(77) of the Companies Act 2013

2.14 The BIDDER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of HITES.

2.15 The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract, and will not enter into any undisclosed agreement or understanding with other Bidders, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

2.16 The BIDDER will not commit any offence under the relevant Indian Penal Code, 1860 or Prevention of Corruption Act, 1988; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the HITES as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.

2.17 The BIDDER will not instigate third persons to commit offences outlined above or be an accessory to such offences.

2.18 The Bidder(s)/Contractors(s) of foreign origin shall disclose the name and address of the Agents/representatives in India, if any. Similarly the Bidder(s)/Contractors(s) of Indian Nationality shall furnish the name and address of the foreign Principal(s), if any.

2.19 The Bidder(s) shall not approach the courts while representing the matters to IEM and the Bidder(s) will await their decision in the matter.

Clause.3. Previous contravention and Disqualification from tender process and exclusion from future contracts

3.1 The BIDDER declares that no previous contravention occurred in the last three years immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could justify BIDDER's exclusion from the tender process

3.2 The BIDDER agrees that if it makes incorrect statement on this subject, BIDDER can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

If BIDDER before award or during execution has committed a contravention through a violation of Clause 2, above or in any other form such as to put his reliability or credibility in question, t HITES is entitled to disqualify the BIDDER from the tender process.

Clause.4. Equal treatment of all Bidders / Contractors / Subcontractors

4.1 The Bidder(s)/ Contractor(s) undertake(s) to demand from his Subcontractors a commitment in conformity with this Integrity Pact.

4.2 HITES will enter into agreements with identical conditions as this one with all Bidders and Contractors.

4.3 HITES will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Clause.5. Consequences of Violation / Breach

5.1 Any breach of the aforesaid provision by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle HITES to take all or any one of the following action, wherever required:-

i. To immediately call off the pre-contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other BIDDER(s) would continue.

ii. If BIDDER commits violation of Integrity Pact Policy during bidding process, he shall be liable to compensate HITES by way of liquidated damages amounting to a sum equivalent to 5% to the value of the offer or the amount equivalent to Earnest Money Deposit/Bid Security, whichever is higher.

iii. In case of violation of the Integrity Pact after award of the contract, HITES will be entitled to terminate the contract. HITES shall also be entitled to recover from the contractor liquidated damages equivalent to 10% of the contract value or the amount equivalent to security deposit/ performance guarantee, whichever is higher.

iv. To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER.

v. To recover all sums already paid by HITES, and in case of an Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate of State Bank of India, while in case of a BIDDER from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the BIDDER from HITES in connection with any other contract for any other stores, such outstanding payment could also be utilized to recover the aforesaid amount.

vi. To encash the advance bank guarantee and performance guarantee /warranty bond, if furnished by the BIDDER, in order to recover the payments already made by HITES, along with interest.

vii. To cancel all or any other contract with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to HITES resulting from such cancellation/recession and HITES shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.

viii. To debar the BIDDER from participating in future bidding processes of HITES for a minimum period of five (5) years, which may be further extended at the discretion of HITES or until Independent External Monitors is satisfied that the Bidder (s) will not commit any future violation.

ix. To recover all sums paid in violation of this Pact by BIDDER(s) to any middleman or agent or broker with a view to securing the contract.

x. In cases where irrevocable Letters of credit have been received in respect of any contract signed by HITES with the BIDDER, the same shall not be opened.

xi. Forfeiture of performance guarantee in case of a decision by HITES to forfeit the same without assigning any reason for imposing sanction for violation of the pact.

5.2 HITES will be entitled to all or any of the actions mentioned in para 5.1(i) to (x) of this pact also on the commission by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an offence as defined in Chapter IX of the Indian Penal Code, 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.

5.3 The decision of HITES to the effect that a breach of the provisions of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BIDDER can approach the Independent External Monitor(s) appointed for the purposes of this Pact.

Clause.6. Fall Clause

The BIDDER undertakes that it has not supplied/is not supplying similar product/systems or subsystems OR providing similar services at a price / charge lower than that offered in the present bid in respect of any other Ministry/Department of the Government of India or PSU and if it is found any stage that similar product/systems or sub systems was supplied by the BIDDER to any to the Ministry/Department of the Government of India or a PSU at a lower price, then that very price, with due allowance for elapsed time will be applicable to the present case and the difference in the cost would be refunded by the BIDDER to HITES, if the contract has already been concluded.

Clause .7. Independent External Monitor(s)

7.1 HITES has appointed Sh. A.K. Arora, EX-DG, Indian Defense Service of Engineers as Independent External Monitor(s) (hereinafter referred to as IEM(s)) for this Pact in consultation with the Central Vigilance Commission. Contact details of IEM is as below:

Sh. A.K. Arora
Independent External Monitor (IEM)

Office: HLL Infra Tech Services Ltd
B-14-A, sector 62, Noida 201307, U.P
Tel: 0120 4071500

Residence: B-333, Chittaranjan Park
New Delhi – 110019
Tel: 011 26273406

Mobile: +91 8130588577
Email: iem@hllhites.com

7.2 The responsibility of the IEM(s) shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.

7.3 The IEM(s) shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently.

7.4 Both the parties accept that the IEM(s) have the right to access all the documents relating to the project/ procurement, including minutes of meetings.

7.5 As soon as the IEM(s) notices, or has reason to believe, a violation of this pact, he will so inform the CEO/CMD.

7.6 The BIDDER(S) accepts that the IEM(s) have the right to access without restriction to all project documentation of HITES including that provided by the BIDDER. The BIDDER will also grant the IEM(s), upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to subcontractors engaged by the BIDDER. The IEM(s) shall be under contractual obligation to treat the information and documents of the BIDDER/ Subcontractor(s) with confidentiality.

7.7 HITES will provide to the IEM(s) sufficient information about all meetings among the parties related to the Project provided such meeting could have an impact on the contractual relation between the parties. The parties will offer to the IEM(s) option to participate in such meetings.

7.8 The IEM(s) will submit a written report to the CEO/CMD of HITES within 3 to 5 weeks from the date of reference or intimation to him by HITES/BIDDER.

Clause.8.Criminal charges against violating Bidder(s)/ Contractor(s)/ Subcontractor(s)

If HITES obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if HITES has substantive suspicion in this regard, HITES will inform the same to the Chief Vigilance Officer, HLL

Clause.9. Facilitation of Investigation

In case of any allegation of violation of any provisions of this Pact or payment of commission, HITES or its agencies shall be entitled to examine all the documents, including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

Clause.10. Law and Place of Jurisdiction

Both the Parties agree that this Pact is subject to Indian Law. The place of performance and hence this Pact shall be subject to Delhi/ NCR Jurisdiction.

Clause.11. Other legal Actions

The actions stipulated in the Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

Clause.12. Validity and Duration of the Agreement

This Pact begins when both parties have legally signed it. It expires for the Contractor/Successful bidder 12 months after the last payment under the contract or the complete execution of the contract to the satisfaction of the both HITES and the BIDDER /Seller, including warranty period, whichever is later, and for all other Bidders/unsuccessful bidders 6 months after the contract has been awarded.

If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged / determined by Chairman and Managing Director/ CEO of HITES.

Clause. 13. Other provisions

13.1 Changes and supplements as well as termination notices need to be made in writing. Both the Parties declare that no side agreements have been made to this Integrity Pact.

13.1 If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.

13.1 Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions

IN WITNESS THEREOF the parties have signed and executed this pact at the place and date first above mentioned in the presents of following witnesses:

HLL Infra Tech Services Ltd.	**Bidder**
_____	_____
Witness	Witness
1……..	1……
2……	2……..

* Provisions of these clauses would be amended /deleted in line with the policy of the HITES in regard to involvement of Indian agents of foreign suppliers.