DOMESTIC TENDER ENQUIRY DOCUMENT

FOR ESTABLISHING RATE CONTRACT & PROCUREMENT OF MEDICAL EQUIPMENT

HITES/PCD/MP/CLINICAL/RC-05/19-20

Through

HLL INFRA TECH SERVICES LIMITED
(Subsidiary of HLL Lifecare Ltd., a Govt. of India Enterprise)
B-14 A, Sector-62, Noida-201 307
Phone: 0120-4071500; Fax: 0120-4071513
URL: www.hllhites.com
Email: pcd@hllhites.com,
bmenoida@hllhites.com

Disclaimer

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SECTION I

NOTICE INVITING TENDER (NIT)

HLL INFRA TECH SERVICES LIMITED
(Subsidiary of HLL Lifecare Ltd., a Govt. of India Enterprise)
B-14 A, Sector-62, Noida-201 307
Phone: 0120-4071500; Fax: 0120-4071513
URL:www.hllhites.com
Email:pcd@hllhites.com

Tender Enquiry No.: HITES/PCD/MP/CLINICAL/RC-05/19-20dated 26.09.2019.

(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 Director, Medical Education, Government of Madhya Pradesh, invites tenders, from eligible and qualified tenderers for establishing Rate contracts and supply of various Medical Equipment to 06 existing & 07 upcoming Institutes in Madhya Pradesh, and any Institute/Hospital/Medical College in India, as and when required by them during the validity of Rate Contract. The Rate contract shall be valid initially for a period of Two years, extendable for another one year at the discretion ofHITES.

Sch. No.	Tender ID	Name of the Items	EMD	Tender Processing Fee
1	2019_HLL_31477_1	Laparoscopy set with hand instrument set	Rs. 94,000	Rs. 2,360
2	2019_HLL_31477_2	Laparatomy set	Rs. 20,000	Rs. 2,360
3	2019_HLL_31477_3	Vascular Surgery Instrument	Rs. 10,000	Rs. 2,360
4	2019_HLL_31477_4	Operating Ultrasound	Rs. 50,000	Rs. 2,360
5	2019_HLL_31477_5	Ultrasonic & Advanced Radio Frequency Energy for Cutting & coagulation in Surgery	Rs. 28,000	Rs. 2,360
6	2019_HLL_31477_6	100W Holmium Laser	Rs. 1,80,000	Rs. 2,360
7	2019_HLL_31477_7	Low Temperature Plasma Sterilizer 50 litre capacity	Rs. 50,000	Rs. 2,360
8	2019_HLL_31477_8	Urodynamic machine with Uroflometry	Rs. 1,40,000	Rs. 2,360
9	2019_HLL_31477_9	C-ARM IMAGE INTENSIFIER	Rs. 40,000	Rs. 2,360
10	2019_HLL_31477_10	PCNL Instruments (Nephroscope with forceps and accessories)	Rs. 40,000	Rs. 2,360
11	2019_HLL_31477_11	Endoscope accessories (Pneumatic lithotripter Specifications)	Rs. 4,000	Rs. 2,360
12	2019_HLL_31477_12	Upper & Lower Urinary tract instruments	Rs. 1,72,000	Rs. 2,360
13	2019_HLL_31477_13	PNS	Rs. 28,000	Rs. 2,360
14	2019_HLL_31477_14	Set for Hip Replacement	Rs. 28,000	Rs. 2,360
15	2019_HLL_31477_15	Set for Knee replacement	Rs. 28,000	Rs. 2,360
16	2019_HLL_31477_16	Interlock nailing sets	Rs. 2,80,000	Rs. 2,360
17	2019_HLL_31477_17	Simple OT tables	Rs. 84,000	Rs. 2,360
18	2019_HLL_31477_18	Ent Surgery Set	Rs. 9,80,000	Rs. 2,360
19	2019_HLL_31477_19	Endoscopic Sinus Surgery Set	Rs. 2,10,000	Rs. 2,360
20	2019_HLL_31477_20	Oesophagoscopy set	Rs. 2,10,000	Rs. 2,360
21	2019_HLL_31477_21	Bronchoscopy set	Rs. 2,80,000	Rs. 2,360
22	2019_HLL_31477_22	Puretone audiometer	Rs. 70,000	Rs. 2,360
23	2019_HLL_31477_23	Impedance audiometer/ Tympanometer	Rs. 70,000	Rs. 2,360
24	2019_HLL_31477_24	Abdominal/ Vaginal Hysterectomy set	Rs. 4,20,000	Rs. 2,360
25	2019_HLL_31477_25	Tuboplasty set	Rs. 14,000	Rs. 2,360
26	2019_HLL_31477_26	USG A+B Scan	Rs. 2,52,000	Rs. 2,360
27	2019_HLL_31477_27	Green Laser 532nm	Rs. 3,50,000	Rs. 2,360
28	2019_HLL_31477_28	Digital Fundus Camera	Rs. 3,50,000	Rs. 2,360
29	2019_HLL_31477_29	Blood Bank Plasma Freezer, -40°C	Rs. 70,000	Rs. 2,360

Sch. No.	Tender ID	Name of the Items	EMD	Tender Processing Fee
30	2019_HLL_31477_30	Blood Bank Plasma Freezer, -80°C:	Rs. 98,000	Rs. 2,360
31	2019_HLL_31477_31	Blood Bank Platelet agitator cum incubator:	Rs. 42,000	Rs. 2,360

Note:

1. **Tender processing Fee is inclusive of GST @18% (Our GSTIN:09AADCH4882R1ZP)**

(2) Tendertimeline:

Sl. No.	Description	Schedule
a.	Last date for receipt of Pre-bid queries	03.10.2019, 11.00 hrs
b.	Pre-bid meeting date, time	Date :04.10.2019**,** Time: 11:00 hrs **Conference Hall, Directorate of Medical Education, Basement Office-Satpura Bhawan Bhopal**
c.	Closing date & time for submission of online bids	23.10.2019, 14:00 hrs
d.	Closing date & time for submission of **tender processing fee and EMD in physical form***	24.10.2019, 14:00 hrs.
e.	Time and date of opening of online bids	24.10.2019, 14:30 hrs.
f.	Venue for :- • Submission of tender processing fee, EMD in physical form. • Tender Opening-TechBid	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 or proof of EMD exemption as per GIT clause 19.2 (if applicable) within the above mentioned date and time.**

SPECIFIC Instructions for e-Tender Participation:-

(1) Bidders should have valid Class 3 Digital Signature Certificate withencryption.

(2) .Interested bidders are advised to download the complete Tender Enquiry document from the websites www.hllhites.com orwww.lifecarehll.com or https://etenders.gov.in/eprocure/app for complete details. Bidders shall ensure that their tender(s), complete in all respects, are submitted online through CPPP website: https://etenders.gov.in/eprocure/app only.

(3) Bidders are advised to follow the instructions, for registering and online submission of their bid(s), as provided in the CPPP website and are requested to read them carefully before proceeding for bidding.

(4) Post receipt of User ID & Password, Bidders can log on for downloading & uploading tenderdocument.

The Bidder shall download the Bidding Document directly from the designated websites and shall not tamper/modify it including downloaded Price Bid template in any manner. In case if the same is found to be tempered/modified in any manner, Tender/Bid will be summarily rejected and EMD would be forfeited. Bidders are advised to follow the instructions, for registering and online submission of their bid(s), as provided in the CPPP website and are requested to read them carefully before proceeding forbidding.

(5) The tenderers shall submit Tender Processing Fee and EMD in physical form at the scheduled time and venue.

(6) Tenderer may download the tender enquiry documents from the web site www.hllhites.com or www.lifecarehll.com orwww.eprocure.gov.in/cppp

(7) 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**.

(8) 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 9above.

(9) 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-bidmeeting

(10) All prospective tenderers may attend the Pre Tender meeting. The venue, date and time are indicated above.

(11) Bidders shall ensure that their bids complete in all respects, are submitted online through e-portal (as described above) ONLY. No DEVIATION isacceptable.

Prospective bidders are advised to browse the above websites regularly before submission of their bids as any further amendments will be published in these websites only.

(12) 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 bidsubmission

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, UttarPradesh

CEO
HLL Infra Tech Services Limited

SECTION - II

GENERAL INSTRUCTIONS TO TENDERERS (GIT)

CONTENTS

GENERAL INSTRUCTIONS TO TENDERERS (GIT)

A. PREAMBLE

1. Definitions andAbbreviations

1.1 The following definitions and abbreviations, which have been used in these documents shall have the meaning as indicatedbelow:

1.2 **Definitions**:

i. "**Purchaser**" means the organization purchasing goods andservices.
ii. "**eTender**" means Bids / Quotation / Tender received from a Firm / Tender /Bidder.
iii. "**Tenderer**" means Bidder / the Individual or Firm submitting Bids / Quotation /Tender.
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 thecontract.
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 thecontract.
vii. "**Earnest Money Deposit"** EMD means Bid Security / monetary or financial guarantee to be furnished by abidder.
viii. "**Contract**" means the written agreement entered into between the purchaser and/or consignees and the supplier, together with all the documents mentioned therein and including all attachments, annexure etc.therein.
ix. "**Rate Contract**" means contracts for the supply of stores at specified rates ordered during the period covered by the contract. No fixed quantities are mentioned in the contract, and the contractor is bound to execute any order from the HITES at the rates specified in the contract provided the supply order is placed within the rate contractperiod.
x. "**Supply Order**" means an order on a contractor to supply against Rate Contract. The term "Requisition" will not beused.
xi. "**Performance Security**" means monetary or financial guarantee to be furnished by the successful bidder for due performance of the contract placed on it. Performance Security is also known as SecurityDeposit.
xii. "**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 the ultimateconsignee.
xiii. "**Specification**" means the document/standard that prescribes the requirement with which goods or service has toconform.
xiv. "**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 determineconformity.
xv. "**Day**" means calendarday.
xvi. "**HITES**" means HLL Infra Tech Services Limited, a fully owned subsidiary of HLL Lifecare Limited.
xvii. "**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 thisorder.
xviii. "**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 inpercent.
xix. **"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 purchasepreference.

1.3 **Abbreviations**:

i. "T E Document" means Tender EnquiryDocument
ii. "NIT" means Notice InvitingTenders
iii. "GIT" means General Instructions toTenderers
iv. "SIT" means Special Instructions toTenderers
v. "GCC" means General Conditions ofContract
vi. "SCC" means Special Conditions ofContract
vii. "NSIC" means National Small IndustriesCorporation
viii. "PSU" means Public SectorUndertaking
ix. "CPSU" means Central Public SectorUndertaking
x. "LSI" means Large ScaleIndustries
xi. "MSEs" means Micro & SmallEnterprises
xii. "LC" means Letter ofCredit
xiii. "DP" means Deliver Period
xiv. "BG" means BankGuarantee
xv. "GST" means Goods and ServiceTax
xvi. "CD" means CustomDuty
xvii. "RR" means RailwayReceipt
xviii. "BL" means Bill of Lading
xix. "EXW" meansEx-Works
xx. "FOB" means Free onBoard
xxi. "FCA" means FreeCarrier
xxii. "FOR" means Free onRail
xxiii. "CIF" means Cost, Insurance andFreight
xxiv. "CIP (Destinations)" means Carriage and Insurance Paid up to named port of destination. Additional the Insurance (local transportation and storage) would be extended and borne by the Supplier from warehouse to the consignee site for a period including 3 months beyond date of delivery.
xxv. "DDP" means Delivery Duty Paid named place of destination (consigneesite)
xxvi. "INCONTERMS" means International Commercial Terms as on the date of TenderOpening
xxvii. "MoHFW" means Ministry of Health & Family Welfare, Government ofIndia
xxviii. "CMC" means Comprehensive maintenance Contract (labour, spare and preventivemaintenance)
xxix. "RT" meansRe-Tender
xxx. "RC" means RateContract
xxxi. "SO" means SupplyOrder.

2. Introduction

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

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

2.3 The bidders 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 theGIT.

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

2.5 The Rate Contract to be awarded pursuant to this tender enquiry and supply orders placed against the rate contract so awarded will be governed by the terms and conditions as contained in the followingsections:

a. General Instructions to Tenderers – SectionII
b. Special Instructions to Tenderers – SectionIII
c. General ConditionsofContract – Section IV
d. Special ConditionsofContract – SectionV
e. Listof Requirements – SectionVI
f. All other contents of the Tender Enquiry Document as mentioned in clause8.1

3. RateContract

3.1 Purchaser reserves the right for placement of Rate Contract on the L1Bidder.

3.2 Deleted

3.3 The successful bidders shall note that a supply order may be placed up to the last day of the currency of the Rate Contract.

4. Language of Tender

4.1 The tender submitted by the bidder and all subsequent correspondences and documents relating to the tender exchanged between the bidder 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 bidder in connection with its tender may be written in any other language provided the same is accompanied by an English translation and, for the purpose of interpretation of the tender, the English translation shall prevail.

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

5. EligibleBidders

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

6. Eligible Goods andServices

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

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

B. TENDER ENQUIRYDOCUMETNS

The tender document should be read in conjunction with the Notice Inviting Tender (NIT) a copy of which is enclosed with this document. All clauses should be read in conjunction with any other instructions given elsewhere in this document on the same subject matter of the clause.

8. Content of Tender Enquiry Documents

8.1 In addition to Section I – "Notice Inviting Tender" (NIT), the TE documentinclude:

- SectionII - General Instructions to Tenderers(GIT)

- SectionIII - Special Instructions to Tenderers(SIT)
- SectionIV - General Conditions of Contract(GCC)
- SectionV - Special Conditions of Contract(SCC)
- SectionVI - List ofRequirements
- SectionVII - TechnicalSpecification
- SectionVIII - Quality ControlRequirement
- SectionIX - QualificationCriteria
- SectionX - TenderForm
- SectionXI - PriceSchedules
- SectionXII -Questionnaire
- SectionXIII - Bank Guarantee Form forEMD
- SectionXIV - Manufacturer's AuthorisationForm
- SectionXV - Bank Guarantee Form for Performance Security / CMCSecurity
- SectionXVI - Contract Forms (Rate Contract and SupplyOrder)
- SectionXVII -Proforma of Consignee ReceiptCertificate
- SectionXVIII - Proforma of Final Acceptance Certificate by theconsignee
- SectionXIX - Check List forBidders
- SectionXX - Form for IntegrityPact
- SectionXXI -Notice-cum-cancellationletter
- Section XXII - Revocation-cum-cancellationletter
-

8.2 The relevant details of the required goods/equipment 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 bidders are expected to examine all such details etc. to proceedfurther.

9. Amendments to TEdocument

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. The amendments, if any shall be posted only in the websites mentioned in NIT(Section-I).

9.2 In order to provide reasonable time to the prospective bidders 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 thatdeadline.

10. Clarification of TEdocument

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 topcd@hllhites.comandbmenoida@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 intocognizance.**

C. PREPARATION OF eTENDERS

11. Documents Comprising theTender

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

(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 e-tendering module. Bidders have to ensure that the documents uploaded in pdf format arelegible.

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

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 tenderenquiry.

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 tenderenquiry
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 anyprices).
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 thetender(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'satisfactioncertificate.
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 anyprices).
x) Certificate ofIncorporation.
xi) Self-Attested copies of GST registration certificate and PANCard.
xii) Non conviction /no pending conviction certification issued by Notary on judicial stamp paper for preceding threeyears.
xiii) Self-Attested copies of quality certificates i.e. ISO/ US FDA /CE /BIS Certificates issued by competent authority, ifapplicable.
xiv) Documentary evidence stating the status ofbidder.
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 tenderopening.
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 tendereditems.
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 quoteditems.
xx) ***The Integrity pact (At Section XIX) 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 pactclauses.***

B) PriceBid:

Price Schedule(s) as per format provided in the portal, dulyfilled in with all the details including Make, Model, HSN Code etc. of the goods offered, is to be uploaded.

The price bid format is provided in excel format along with this Bidding Document at https://etenders.gov.in/eprocure/app

Bidders are advised to download this Price Bid Format as it is and quote their offer/rates in the permitted column and upload the same in the Price Bid. **Bidder shall not tamper/modify the downloaded price bid template in any manner**. The Instruction given in the Price Bid Format shall strictly be adhered to.

Note:

(i) The bidder has to be diligent while filling up the Techno-Commercial Bid and PriceBid provided in excel formats and must not tamper with the contents of thesheets.

(ii) It is the responsibility of bidder to go through the TE document to ensure furnishing all required documents in addition to above, ifany.

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 anddamages.

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

11.4 Tender sent by fax/telex/cable shall beignored.

12. Tender Currencies

12.1 The price to be quoted only in Indian Rupees. Tenders, where prices are quoted in any other way shall be treated as non-responsive andrejected.

13. TenderPrices

13.1 The Bidder 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 asrequired.

13.2 If a firm quotes NIL charges/consideration, the bid shall be treated as unresponsive and will not be considered.

13.3 The price quoted by the bidder for the goods shall not be higher than the lowest price charged for the goods of the same nature, class or description to an individual/ firm/ organisation or department of Government of India or any state Governments. If it is found that the goods have been supplied at a lower price during the currency of Rate Contract, then such lower price will be applicable to the goods to be supplied or alreadysupplied.

13.4 While filling up the columns of the Price Schedule, the following aspects should be noted for compliance:

a) The price of the goods, quoted ex-factory/ex-showroom/ex-warehouse/off-the-shelf, as applicable, including all taxes and duties i.e. GST. already paid or payable or on the previously imported goods of foreign origin quoted ex-showroometc.

b) Charges towards Packing & Forwarding, Inland Transportation, Insurance (local transportation and storage) would be borne by the Supplier from warehouse to the consignee site, Loading/Unloading and other local costs incidental to deliver of the goods to their final destination all over India (consignee details shall be indicated in the SupplyOrder).

c) The prices of annual CMC, if applicable, as mentioned in List of Requirements and Price Schedules.

13.5 Additional information and instruction on Duties andTaxes:

13.5.1 If the Bidder desires to ask for any duties or 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 duties and taxes and no claim for the same will be entertainedlater.

13.5.2 <u>Goods and Services Tax (GST):</u>

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 thepurchaser.

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 thesupplier.

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 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.

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

13.6 The need for indication of all such price components by the bidders, 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 restrictthepurchaser'srighttoawardthecontractontheselected bidderonanyofthetermsoffered.

14. Indian Agent -Deleted

15. FirmPrice

15.1 Unless otherwise specified in the SIT, prices quoted by the bidder shall remain firm and fixed during the currency of the contract and not subject to variation on anyaccount.

15.2 However, as regards taxes and duties, if any, chargeable on the goods and payable, the conditions stipulated in GIT clause 13 will apply.

16. DeliveryPeriod

16.1 The delivery period of the goods will be as mentioned in Section VI- List ofrequirement.
Bidder should however mention quote guaranteed monthly rate of supply and lead time required for commencement of supply after placement of supply order in Section VIII- Quality Control Requirements.

17. Documents Establishing Bidder's Eligibility andQualifications

17.1 Pursuant to GIT clause 11, the bidder shall furnish, as part of its tender, relevant details and documents establishingitseligibilitytoquoteanditsqualificationstoperformthecontractifitstenderisaccepted.

17.2 The documentary evidence needed to establish the bidder's qualification shall fulfil the following requirements:

a) In case the bidder offers to supply goods, which are manufactured by some other firm, the bidder has been duly authorised by the goods manufacturer to quote for and supply the goods to the purchaser. The bidder shall submit manufacturer's authorization letter to this effect as per the standard form provided under Section XIV in thisdocument.

b) The bidder 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 technicalspecifications.

18. Documents establishing Goods' Conformity to TEdocument.

18.1 The bidder shall provide in its tender the required as well as the relevant documents like technical data, literature, drawing 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 bidder shall also provide a clause-by-clause commentary of 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 itstender.

18.2 In case there is any variation and/or deviation between the goods & services prescribed by the purchaser and that offered by the bidder, the bidder shall list out the same in a chart form without ambiguity and provide the same along with itstender.

18.3 If a bidder 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 thisregard.

19. Earnest Money Deposit(EMD)

19.1 Pursuant to GIT clauses 8.1 and 11.1 the bidder shall furnish along with its tender, earnest money for amount as indicated in the NIT and List of Requirements. The earnest money is required to protect the purchaser against the risk of the bidder'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 maybe).

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 besupplied as perTender.

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 as per GIT clause 12.1. The earnest money shall be furnished in one of the followingforms:

i. Account Payee DemandDraft
ii. Banker'scheque
iii. BankGuarantee
iv. Fixed Deposit Receipt.

19.4 The demand draft or banker's cheque shall be drawn on any scheduled commercial bank in India, in favour of the **"HLL Infra Tech Services Limited"** payable at New Delhi. Fixed Deposit Receipt should also in favour of "HLL Infra Tech Services Limited (A/c: *Name of Bidder*)" from any scheduled commercial bank in India, payable at New Delhi. In case of bank guarantee, the same is to be provided from any scheduled commercial bank in India as per the format specified under Section XIII in thesedocuments.

19.5 The earnest money if submitted in the form of Bank Guarantee or Fixed Deposit Receipt 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 a minimum period of 165 days from Techno-Commercial Tender openingdate.

19.6 Unsuccessful bidders' 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 bidder's earnest money will be converted as a security towards performance and operation of Rate Contract and shall be retained /made valid till two months beyond the validity of Rate Contract**.

19.7 Earnest Money is required to protect the purchaser against the risk of the Bidder's conduct, which would warrant the forfeiture of the EMD. Earnest money of a tender will be forfeited, if the bidder 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 bidder's earnest money will be forfeited without prejudice to other rights of Purchaser if it fails to furnish the required performance security within the specifiedperiod.

20. A. Tendervalidity

a 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 andrejected.

b In exceptional cases, the bidders 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 fax/email followed by surface mail. The bidders, 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 bidder, however, may not agree to extend its tender validity without forfeiting itsEMD.

c. 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 workingday.

20. B. AlternativeTenders

Alternative Tenders are not permitted.

However the Tenderers can quote alternate models meeting the tender specifications of same manufacturer with single EMD.

For schedules requiring Manufacturer's Authorization, only one bidder is permitted to quote for a particular manufacturer irrespective of models.

21. Digital Signing of e-Tender

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

D. SUBMISSION OFTENDERS

22. Submission ofTenders

Unless otherwise specified, the bidders are to drop the Bids in the tender box located at **HLL Infra Tech Services Limited, Procurement and Consultancy Division, B-14 A, Sector-62, Noida-201307, Uttar Pradesh**. The necessary entry will be made in the Bid ReceiptRegister.

The bidders must ensure that they submit the on-line bids within the scheduled closing date & time. They shall also ensure to submit the original Tender Processing Fee and Bid Security within its scheduled date & time. It is the responsibility of the bidder to ensure that their Bids whether sent by post or by courier or by person, are dropped in the Tender Box by the specified clearing date and time. In the event of the specified date for submission of bid falls on / is subsequently declared a holiday or closed day for the purchaser, the bids will be received up to the appointed time on the next workingday.

Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.

The bidder has to digitally sign and upload the required bid documents one by one as indicated in the Bidding document.

Bidder has to select the payment option as "offline" to pay the Bid Security/ EMD as applicable and enter details of the instrument.

Bidder should prepare the Bid Security/EMD as per the instructions specified in the Tender Enquiry Document. The original should be dropped in the Tender Box latest by the last date of bid submission or as specified in the Bidding Document. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.

The server time (which is displayed on the dashboard of the e-tendering portal) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bidsubmission.

Upon the successful and timely submission of bids (i.e. after Clicking "Freeze Bid Submission" in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevantdetails.

The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

22.1 The tender shall be submitted onlineonly.

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

a) Scanned copies of tender processing fee andEMD

b) Manufacturer's authorization as per Section XIV 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 themanufacturer).

c) Tender Form as per SectionX.

d) Compliance of all terms and conditions of TED like- warranty, CMC, delivery period, delivery terms, payment terms, Liquidated Damages Clause, Arbitration clause, etc on letterhead.

e) Declaration regarding Fall Clause and Deregistration, debarment from any Govt Dept/Agencies

f) Copy of PAN & GST RegistrationCertificate.

g) Certificate of Incorporation/ or a Declaration in case the firm is being a proprietaryfirm.

h) Abridged Annual report of last 03 years (Balance sheet and Profit & Loss Account) completed till March 2017, in pdfformat.

i) Name, address and details of account with respect tobidder.

j) Quality Control Requirements as per Section VIII clearly indicating the productioncapacity.

k) Performance statement along with required PO copies and its corresponding end user's satisfactory performance certificate as per sectionIX.

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) In case the bidder quotes an equipment of a foreign manufacturer and submits the documents as per 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, inIndia.

n) The Integrity pact (At Section XX) 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.

(ii) PRICEBID

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

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 offeredprice.

d) 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 theirtender.

22.2 The bidders must ensure that they submit the on-line tenders not later than the closing time and date specified for submission of tenders. They shall also ensure to submit the original Tender Processing Fee and EMD within its scheduled date &time.

23. Late Tender

There is NO PROVISION of uploading late tender beyond stipulated date & time in the e-tendering system.

24. Alteration and Withdrawal ofTender

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

E. Opening ofe-Tenders

25. Opening ofe-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 workingday.

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

25.3 Two-bid system as mentioned in Para 21.6 above will be asfollows:

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

F. SCRUTINY AND EVALUATION OFTENDERS

26. BasicPrinciple

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 bidders in their tenders. No new condition will be brought in while scrutinizing and evaluating the tenders.

27. Preliminary Scrutiny ofTenders

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 legibleform.

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 extrinsicevidence

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

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

(i) Tender validity is shorter than the requiredperiod.
(ii) Required EMD or its exemption documents have not beenprovided.
(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 thecontract.
(iv) Poor/ unsatisfactory pastperformance.
(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 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 applicablelaw.

28. MinorInformality/Irregularity/Non-Conformity

28.1 If during the preliminary examinations, 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 bidders. Wherever necessary, the purchaser will convey its observation on such „minor' issues to the bidder in writing asking the bidder to respond by a specific date. If the bidder 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 beignored.

28.2 The purchaser may seek clarifications of historical nature from the bidders which has no bearings on prices.

29 Discrepancies inPrices

29.1 If, in the price structure quoted by a bidder, 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 bidder 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 correctedaccordingly.

29.2 If there is an error in a total price, which has been worked out through addition and/or subtraction of 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 29.2above.

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 bidder. If the bidder does not agree to the observation of the purchaser, the tender is liable to beignored.

30 QualificationCriteria

30.1 Tenders of the bidders, who do not meet the required Qualification Criteria prescribed in Section IX will be treated as non-responsive and will not be consideredfurther.

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

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.

31 Deleted

32 Schedule-wiseEvaluation

32.1 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 thetender.

33 Comparison ofTenders

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."**

34 Additional Factors and Parameters for Evaluation and Ranking of ResponsiveTenders

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

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) Deleted.

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

34.3 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 responsivetenders.

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 25% 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 25%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 25% of the total tendered value. In case there are more than one such eligible MSE, the 25% supply will be shared equally. Out of 25% 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 tenderrequirementsandtheL1price,the4%quantityearmarkedforMSEsownedbySC/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 beignored.

iv. Special provision for Micro and Small Enterprise owned by women. Out of the total annual procurement from Micro and Small Enterprises, 3 per cent from within the 25 per cent target shall be earmarked for procurement from Micro and Small Enterprises owned bywomen.

Note: "If the bidder is a MSME, it shall declare in the bid document the Udyog AadharMemorandum Number issued to it under the MSMED Act, 2006. If a MSME bidder do notfurnish the UAM Number along with bid documents, such MSME unit will not be eligible forthe benefits available under Public Procurement Policy for MSEs Order 2012."

34.4 **Preference to Make in India**: As per the order issuedby

i) Department of Industrial Policy and Promotion (DIPP) vide No. P-45021/2/2017-BE-II dated 15.06.2017&

ii) Department of Pharmaceuticals vide No. F- 31026/36/2016-MD dated 18.05.2018 and the subsequent ordersthereof;

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.

35 Bidder's capability to perform thecontract

35.1 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 eachschedule.

35.2 The above mentioned determination will, interalia, take into account the bidder'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 bidder in its tender as well as such other allied information as deemed appropriate by thepurchaser.

35.3 Purchaser reserves the right to assess/verify the credentials and capability/capacity of the bidders/manufacturers before awarding the RateContracts.

36 Contacting thePurchaser

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

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

G. AWARD OF RATECONTRACT

37 Purchaser's Right to accept any tender and to reject any or alltenders

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 rate contract, without incurring any liability, whatsoever to the affected bidder or bidders.

38 AwardCriteria

38.1 Subject to GIT clause 37 above, the Rate Contract will be awarded to the lowest evaluated responsive bidder decided by the purchaser in terms of GIT Clause35.

38.2 Provisions for Parallel Rate Contract:

HITES reserves the right to arrive at the reasonable L1 price and to conclude parallel Rate Contracts. In case, where price of L-1 is considered acceptable, Rate Contract will be concluded with the firm and its price will be counter offered to all other higher eligible quoting firms. Those who accept the counter offered prices or below may be awarded parallel ratecontracts.

39 Letter ofAward

39.1 Before expiry of the tender validity period, the purchaser will notify the successful bidder(s) in writing, by registered/speed post or by fax/email that its tender for goods & services, which have been selected by the purchaser, has been accepted for conclusion of Rate Contract, also briefly indicating therein the essential details like description, specification and delivery of the goods & services and corresponding pricesaccepted.

39.2 The successful bidder must furnish to the purchaser the required performance security as indicated in the Supply Orders placed against the Rate Contract within thirty days from the date of issue/dispatch of Supply Order. Relevant details about the performance security have been provided under GCC Clause 5 under SectionIV.

39.3 The Supply Orders placed against the Rate Contract constitute the conclusion of thecontract.

40 Issue of Rate Contract

40.1 Promptly after notification of Rate Contract, the Purchaser will place the Rate Contract form (as per Section XVI) duly completed and signed, in duplicate, to the successfulbidder/bidders.

40.2 Within twenty one days from the date of the contract, the successful bidder shall return the original copy of the contract, duly signed and dated, to the Purchaser by registered/speedpost.

41 Non-receipt of Performance Security and contract by thePurchaser/Consignee

Failure of the successful bidder in providing performance security and/or returning contract copy duly signed in terms of GIT clauses 39 and 40 above shall make the bidder liable for forfeiture of its EMD and, also, for further actions by the Purchaser against it as per the clause 24 of GCC – Termination of default.

42 Return of EMD

The earnest money of the unsuccessful bidders will be returned to them without any interest, whatsoever, in terms of GIT clause 19.6

43 Publication of TenderResult

The name and address of the successful bidder(s) receiving the Rate Contract(s) will be mentioned in the notice board/bulletin/website of the purchaser.

44 Book examinationclause

44.1 The contractor shall whenever called upon and requiring to produce or cause to be produced for examination by the Purchaser, any cost or other account, book of account voucher, receipt, letter, memorandum, paper or writing or any copy of or extract from such document and also furnish information any wise relating to such transaction and produce before the duly authorised representative of the Purchaser returns verified in such manner as may be required relating, in any way to the execution of this contract or relevant for verifying or ascertaining the cost of execution of this contract (the decision of Purchaser on the question of relevancy of any document, information or return being final and binding on the parties). The obligation imposed by this clause is without prejudice to the obligations of the contractor under any statue, rules or orders and shall be binding on thecontractor.

44.2 The contractor shall, if the Purchaser so requires (whether before or after the prices have been finally fixed), afford facilities to the Purchaser to visit the contractor's works for the purpose of examining the cost or production of the articles. If any portion of the work be entrusted or carried out by a sub-contractor or any of its subsidiary or allied firm or company, the authorised representative of Purchaser shall have the power to examine all the relevant book of such sub-contract or any subsidiary of allied firm or company shall be open to his inspection as mentioned in clause44.1.

44.3 If on such examination, it is established that the contracted price is in excess of the actual cost plus reasonable margin of profit, the Purchaser shall have the right to reduce the price and determine the amount to a reasonablelevel.

44.4 Where a contract provides for book examination clause, to contractor or its agency bound to allow examination of its books within a period of 60 days from the date the notice is received by the contractor, or its agencies calling for the production of documents as under clause 44.1 above. In the event of contractor's or his agencies failure to do so, the contract price would be reduced and determined according to the best judgement of the purchaser which would be final and binding on the contractor and hisagencies.

45 IntegrityPact

45.1 The Bidders/bidders may note that it is prescribed to use, practice and observe all the best, clean, ethical, honest and legal means & behaviour maintaining complete transparency and fairness in all activities concerning Bidding, Contracting/Rate Contracting and performance thereto for which the "Integrity Pact" shall be executed between Firm and Purchaser as per the format provided as Section-XX to be attached with the bid dulysigned.

46 CartelFormation

46.1 Cartel Formation and Quoting Prices in Pool – Bidders may note that offers of such firms who resort to unethical practice of cartel formation and quote prices in a pool shall be rejected and their offers shall also not be considered for award of RC for the next twoyears.

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	Change	
D	22 to24	Submission of Tenders	Change	
E	25	Tender Opening	No Change	
F	26 to 37	Scrutiny and Evaluation of Tenders	No Change	
G	38 to 45	Award of Contract	No Change	

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 textbelow:
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 ofProposal.

(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 beacceptable.

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

SECTION - IV
GENERAL CONDITIONS OF CONTRACT (GCC)

TABLE OF CLAUSES

GENERAL CONDITIONS OF CONTRACT (GCC)

1. Application

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

1.2 The parties to the contract, which shall be deemed to be "Rate Contract" and which is intended for the supply of stores of the descriptions set forth in the Tender during the period therein specified shall be the contractor on the one part and the Purchaser(s) named in the Schedule toTender.

1.3 Subject as hereinafter mentioned, no guarantee can be given as to the number or quantity of the stores which will be ordered during the period of the rate contract which is only in the nature of standing offer from the Contractor but the purchaser(s) undertakes(s) to order from the contractor all stores as detailed in the schedule of stores and prices which he/they require(s) to purchase except that he/they reserve(s) the right (1) of submitting to competition any supply of articles included in the contract the total value of which exceeds such amount as the Purchaser (whose decision shall be final), may determine upon consideration of the tenders, (2) of placing this contract simultaneously at any time during its period with one or more contractors as he/they may think fit, and (3) of obtaining from any source any stores referred to in the contract to meet an emergency, if the Purchaser (whose decision will be final) is satisfied that the contractor is not in a position to supply specific quantities or numbers within the period in which supplies arerequired

2. Use of contract documents andinformation

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 thiscontract.

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 GCCsub-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. PatentRights

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 thepurchaser.

4. Country ofOrigin

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 traderelations.

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 arearranged.

4.3 The country of origin may be specified in the PriceSchedule

5. PerformanceSecurity

5.1 Within fifteen (15) days from date of the placement of supply order against Rate Contract by the Purchaser, the supplier, shall furnish performance security to the Purchaser for an amount equal to ten percent (10%) of the total value of the supply order placed against Rate Contract, valid up to sixty (60) days after the date of completion of all contractual obligations by the supplier, including the warranty obligations.

5.2 The Performance security shall be denominated in Indian Rupees or in the currency of the contract as detailedbelow:

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 WarrantyPeriod.

5.3 In the event of any failure /default of the supplier with or without any quantifiable loss to the government/purchaser 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 theGovernment/purchaser.

5.4 In the event of any amendment issued to the contract, the supplier shall, within twenty-one (21) days of issue of the amendment, furnish the corresponding amendment to the Performance Security (as necessary), rendering the same valid in all respects in terms of the contract, asamended.

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 AMC will commence from the date of expiry of the WarrantyPeriod.

5.6 Subject to GCC sub – clause 5.3 above, the Purchaser/Consignee will release the Performance Security without any interest to the supplier on completion of the supplier's all contractual obligations including the warranty obligations & after receipt of Consignee wise bank guarantee for CMC security in favour of Head of the Institute of the consignee as per the format in SectionXV.

6. Technical Specifications andStandards

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 thisdocument.

7. Packing andMarking

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 to their final destination as indicated in the contract), rough handling, extreme weather conditions etc. so that there is no 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 thecontract.

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 in SCC. 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 supplieraccordingly.

7.3 Packinginstructions:

Unless otherwise mentioned in the Technical Specification and in SCC, 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 anddate
b. Brief description of goods includingquantity
c. Packing list referencenumber
d. Country of origin ofgoods
e. Consignee's name and full addressand
f. Supplier's name andaddress

8. Inspection, Testing and QualityControl

8.1 The Contractor should satisfy himself that the Stores are in accordance with terms of the Contract and fully conform to the required specification by carrying out a thorough pre-inspection of each lot of the stores before actually tendering the same for inspection to the Inspection Agency nominated under the terms of contract. Such precaution on the part of the Contractor minimises the chances of rejection and the consequencesthereof.

8.2 The purchaser and/or its nominated representative(s) will /shall be at consignee site, 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 & lodging will be borne by the purchaser and/or its nominated representative(s).

8.3 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 thepurchaser.

8.4 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 testsagain.

8.5 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. The goods, should, on no account be dispatched /delivered without getting the same inspected and passed by the inspecting officer stipulated in thecontract.

8.6 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 thecontract.

8.7 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 beeninspectedandclearedbypurchaser'sinspectorduringpre-despatchinspectionmentionedabove.

On rejection the supplier shall remove such stores within 14 days of the date of intimation of such rejection from consignee's premises. If such goods are not removed by the supplier within the period aforementioned, 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 supplier's risk to recover any expense incurred in connection with such disposals and also the cost of the rejected stores if already paidfor.

8.8 Goods accepted by the purchaser/consignee and/or its inspector at initial inspection and in final inspectionintermsofthecontractshallinnowaydilutepurchaser's/consignee'srighttorejectthesame later, if found deficient in terms of the warranty clause of the contract, as incorporated under GCC Clause15.

9. Terms of Delivery

Goods shall be delivered by the supplier in accordance with the terms of delivery as specified in the list of requirement. Please note that the time shall be the essence of the contract.

10. Transportation ofGoods

Instructions for transportation of domestic goods including goods already imported by the supplier.

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. The supplier shall be responsible for all loss, destructions, damage or deterioration of or to the goods from any cause whatsoever while the goods after approval by the inspector are awaiting despatch ordelivery.

11. Insurance:

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

In case of supply of 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 "warehouse to warehouse" (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.

If the equipment is not commissioned and handed over to the consignee within 3 months, the insurance will be extended by the supplier at their cost till the successful installation, testing, commissioning and handing over of the goods to the consignee is completed. 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 actual will be reimbursed.

12. Spare parts

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

a) Spare Parts list and prices of parts, consumables should be mentioned clearly and quoted. Bidder should also mention regarding the availably of spares for at least tenyears.

b) 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

c) In case the production of the spare parts isdiscontinued:

i. Sufficient advance notice to the Purchaser/Consignee before such discontinuation to provide adequate time to the purchaser to purchase the required spare parts etc.,and

ii. Immediately following such discontinuation, providing the Purchaser/Consignee, free of cost, the designs, drawings, layouts and specifications of the spare parts, as and if requested by thePurchaser/Consignee.

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 CMCperiod.

13. Incidental services

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

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

14. Distribution of Dispatch Documents for Clearance/Receipt ofGoods

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.

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:

(i) Fourcopiesofsupplier'sinvoiceshowingcontractnumber,goodsdescription,quantity,unit price and total amount;
(ii) Two copies of packing list identifying contents of eachpackage;
(iii) Inspection certificate issued by the nominated Inspection agency, ifany.
(iv) Certificate of origin (in case goods are of foreignorigin);
(v) Insurance Certificate as per GCC Clause11.
(vi) Manufacturers/Supplier's warranty certificate & In-house inspectioncertificate.

15. Warranty

15.1 The supplier warrants comprehensively that the goods supplied under the contract is new, unused and incorporate all recent improvements in design and materials unless prescribed otherwise by the purchaser in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials (*except when the design adopted and/or the material used are as per the Purchaser's/Consignee's specifications*) or workmanship or from any act or omission of the supplier, that may develop under normal use of the supplied goods under the conditions prevailing in India.

15.2 This warranty shall remain valid for the period as mentioned in the SCC Section-V/ List of Requirement Section VI, 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 theSCC.

i. No conditional warranty will beacceptable.

ii. Warranty as well as Comprehensive Maintenance contract will be inclusive of all accessories andSite Modification work and it will also cover the following whereverapplicable:-
   a) Any kind ofmotor.
   b) Plastic & Glass Parts against any manufacturingdefects.
   c) All kind of sensors.
   d) All kind of coils, probes andtransducers.
   e) Printers and imagers including laser and thermal printers with allparts.
   f) UPS including the replacement ofbatteries.
   g) Air-conditioners

iii. Replacement and repair will be under taken for the defectivegoods.
   a) All kinds of painting, civil, HVAC and electricalwork

iv. Proper marking has to be made for all spares for identification like printing of installation andrepair 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 biddingdocuments.

15.4 Upon receipt of such notice, the supplier shall, within 24 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 tenderconditions.

15.5 In case the supplier is not able to rectify the defects to the full satisfaction of the purchaser the goods shall have to be replaced with a new one. The decision of the purchaser in this respect shall be final and binding on thesupplier.

15.6 If the supplier, having been notified, fails to respond to take action to repair or replace the defect(s) within 24 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 thesupplier.

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 thegoods

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 warrantyperiod.

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 handingover.

16. Assignment

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 thecontract.

17.2 Sub contract shall be only for bought out items andsub-assemblies.

17.3 Sub contracts shall also comply with the provisions of GCC Clause 4 ("Country ofOrigin").

18. Modification ofcontract

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 thefollowing:

a) Specifications, drawings, designs etc. where goods to be supplied under the contract are to be specially manufactured for thepurchaser,
b) Mode ofpacking,
c) Incidental services to be provided by thesupplier
d) Mode ofdespatch,
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 thecontract.

19. Prices

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

20. Taxes andDuties

20.1 For goods manufactured outside the Purchaser's Country, the Supplier shall be entirely responsible for alltaxes,stampduties,licensefees,andothersuchleviesimposedoutsidethePurchaser'sCountry.

20.2 For goods Manufactured within the Purchaser's country, the Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to thePurchaser.

20.3 If any tax exemptions, reductions, allowances or privileges may be available to the Supplier in the Purchaser's Country, the Purchaser shall use its best efforts to enable the Supplier to benefit from any such tax savings to the maximum allowableextent.

21. Terms and Mode ofPayment

21.1 PaymentTerms

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

A) Ondelivery:

Eighty percent (80%) 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 totalamount;
(ii) Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of theconsignee;

(iii) Two copies of packing list identifying contents of eachpackage;
(iv) Inspection certificate issued by the nominated Inspection agency, ifany.
(v) Insurance Certificate as per GCC Clause11
(vi) Certificate of origin (in case the goods are of foreignorigin).

B) OnAcceptance:

Balance Twenty percent (20%)payment would be made against „Final Acceptance Certificate' as per Section XVIII of goods to be issued by the consignees subject to recoveries, if any, either on account of non-rectification of defects/deficiencies not attended by the Supplier or otherwise. 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.

C) Payment of Site Modification Work, if any:
Site Modification Work payment will be made to the bidder/ manufacturer's agent or 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, ifapplicable:
The consignee may enter into CMC with the supplier at the rates as stipulated in the Rate 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 CMCperiod.

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

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 totime.

21.4 Deleted

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

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 respectiveconsignees.

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 thecontract.

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

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 followingconditions:

(a) The supplier will make good any defect or deficiency that the consignee (s) may report within six months from the date of despatch ofgoods.
(b) Delay in supplies, if any, has beenregularized.

(c) The contract price where it is subject to variation has beenfinalized.
(d) The supplier furnishes the followingundertakings:

"I/We,_____certify that I/We have not received back the Final Acceptance certificate from 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 balancepayment.

22. DeliverySchedule

22.1 The supplier shall deliver the goods and perform the services under the contract within the time schedule specified in the Supply Order. **The time for and the date of delivery of the goods stipulated in the schedule shall be deemed to be of the essence of contract and the delivery must be completed not later than the date(s) as specified in theContract.**

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 followingsanctions:

(i) Imposition of liquidateddamages,
(ii) Forfeiture of its performance securityand
(iii) Termination of the contract fordefault.

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 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 thecontract.

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 followingconditions:

a) The Purchaser 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 thecontract.
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 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 thecontract.
c) But nevertheless, the Purchaser shall be entitled to the benefit of any decrease in price on account of reduction in or remission of 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 thecontract.

22.5 The supplier shall not dispatch the goods after expiry of the delivery period. The supplier is required to apply to the Purchaser 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 thepurchaser.

22.6 Passing ofProperty:

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

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

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

23. Liquidateddamages

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

24.1 The Purchaser, without prejudice to any other contractual rights and remedies available to it (the Purchaser), 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 pursuant to GCC sub-clauses 22.3 and22.4.

24.2 IntheeventofthePurchaserterminatingthecontractinwholeorinpart,pursuanttoGCCsub-clause 24.1 above, the Purchaser will forfeit the performance security and may procure goods and/or services similar to those cancelled, with such terms and conditions and in such manner as it deems fit. The supplier shall be liable to the Purchaser for the extra expenditure, if any, incurred by the Purchaser for arranging such procurement.

24.3 Unless otherwise instructed by the Purchaser, the supplier shall continue to perform the contract to the extent notterminated.

24.4 If the Supplier, in the judgement of Purchaser has engaged in fraud and corruption, as defined in GCC Clause 37, in competing or in executing theContract.

25. Termination for insolvency /Convenience

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 thePurchaser.

25.2 Termination forConvenience

(a) The Purchaser, by notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomeseffective.

(b) The Goods that are complete and ready for shipment within twenty-eight (28) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser mayelect:

(i) To have any portion completed and delivered at the Contract terms and prices;and/or
(ii) To cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by theSupplier.

26. ForceMajeure

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 ForceMajeure.

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

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 eitherside.

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 abovesub-paragraphs.

27. Purchaser's Right to Short Close/Revocation/Cancellation of the RateContract

27.1 Since the rate contract is a standing offer and is merely a document embodying various terms of the standing offer made by the Contractor, the purchaser can legally cancel the Rate Contract at any time during the currency of the contract giving a reasonable opportunity to the contractor to represent against such cancellation. The revocation/cancellation of the Rate Contract shall take effect immediately thereafter. Any order placed by the Purchaser after the date of cancellation of the Rate Contract should not be taken up by the contractor for execution. The purchaser may, at its option negotiate with the Contractor so as to bring the R/C prices in line with the Market prices, whenever market fluctuation affects prices abnormally. If the negotiation fails, then the Rate Contract will be foreclosed and fresh Rate Contract will be concludedseparately.

27.2 Either party namely, the R/C holder/the Purchaser can legally revoke/cancel the Rate Contract at any time during the currency of the Rate Contract giving a notice of 15 days. The revocation of the Rate Contract on the part of R/C holder shall take effect 15 days from the date of the communication of revocation is received by the Purchaser. The cancellation of the Rate Contract by the Purchaser shall take effect 15 days from the date of issue of letter notifying the shortclosure.

The notice-cum-cancellation of Rate Contract letter to be issued by the Purchaser given in **Section**-XXII and the R/C holder can revoke the Rate Contract by making the application in the Form given in **SectionXXII**.

28. Governinglanguage

28.1 The Rate Contract shall be written in English language following the provision as contained in GIT clause 4. All correspondence and other documents pertaining to the Rate Contract, which the parties exchange, shall also be written accordingly in that language. Supply orders placed based on the Rate Contract shall also be written in Englishlanguage.

29. Notices

29.1 Notice, if any, relating to the contract given by one party to the other, shall be sent in writing or by email or facsimile and confirmed in writing. The procedure will also provide the sender of the notice, the proof of receipt of the notice by the receiver. The addresses of the parties for exchanging such notices will be the addresses as incorporated in thecontract.

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 islater.

30. Resolution ofdisputes

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 Rate Contract, the parties shall make every effort to resolve the same amicably by mutualconsultations.

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. Such dispute or difference shall be referred to the sole arbitrator appointed by the Chairman & Managing Director of HLL Life care Limited. 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 Lac (Rs.1,00,000/-).

30.3 Venue: The venue of arbitration shall be Delhi/New Delhi(India)/NCR.

31. ApplicableLaw

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

32. Withholding and Lien in respect of sumsclaimed

Whenever any claim for payment arises under the contract against the supplier the purchaser shallbe 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. Submission of Quarterly DrawalReport:

33.1 The offer of the firms of the next R/C will be considered only if their performance against the current and preceding R/Cs, if held by them, is satisfactory and they are otherwise eligible. For this purpose, the purchaser expects that a firm should have supplied minimum 85%/95%/100% of the stores due for supply against the current RC and preceding two years R/C respectively on or before the cut-off date as indicated in the tenderenquiry.

33.2 R/C holder not obtaining any Supply Order against the current R/C prior to the period indicated above and also against immediate previous Rate Contract will be considered to have a NIL performance and will not be eligible for award of nextR/C.

34. Limitation ofLiability:

34.1 Except in cases of criminal negligence or wilfulmisconduct,

(a) The Supplier shall not be liable to the Purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaserand

(b) The aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the supplier to indemnify the purchaser with respect to patentinfringement.

35. CorruptPractices

35.1 It is required by all concerned namely the Consignee/Bidders/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 asfollows:

(i) "corrupt practice" means the offering, giving, receiving or soliciting of anything 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 Bidders (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 opencompetition;

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

(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 thecontract.

36. Fall Clause

36.1 The prices charged for the stores supplied under the Contract by the Contractor shall in no event exceed the lowest price at which the Contractor sells the Stores or offer to sell stores of identical description to any person(s)/organisation(s) including the Purchaser or any Department of Central Government or any Department of a State Government or any statutory undertaking of the Central or a State Government, as the case may be, during the period till performance of all Supply Orders placed during the currency of Rate Contract iscompleted.

36.2 It at any time during the said period, the Contractor reduces the Sale price, sells or offers to sell such stores to any person(s)/organisation(s) including the Purchaser or any Statutory Undertaking of the Central or a State Government, as the case may be, at a price lower than the price chargeable under this Contract, he shall forthwith notify such reduction or Sale or offer of Sale to the office from where this Rate Contract is issued and the price payable under the Contract for the stores supplied after the date of coming into force of such reduction or sale or offer of sale stand correspondingly reduced. The above stipulation will, however, not applyto:

(a) Export/deemed Export by theContractor
(b) Sale of Goods as Original Equipment prices lower than the price charged for normal replacement.
(c) Sale of goods, such as drugs, which have expirydate.
(d) Sale of goods at lower price on or after the date of completion of sale/placement of order of goods by the authority concerned, under the existing or previous Rate Contracts as also under any previous contracts entered into with the Central or the State Government Departments including new undertaking (excluding joint sector companies and or private parties) andbodies.

36.3 The Contractor shall furnish the following certificate to the Paying Authority along with each bill for payment for supplies made against the RateContract.

"I/We certify that there has been no reduction in sale price of the Stores of Description identical to the Stores supplied to the Government under the contract herein and such Stores have not been offered/sold by me/us to any persons(s) organisation(s) including the purchaser or any Department of Central Government or any Department of a State Government or any statutory Undertaking of the Central or State Government as the case may be upto the date of the bill/ the date of completion of supplies against all supply order placed during the currency of the R/C at a price lower than the price charged to Government under the Contract except for quantity of Stores categorised under sub-clause (a), (b) and (c) of Para 36.2 above.

NOTE: The Contract will also inform the Purchaser as soon as supplies against all the Supply Orders placed against the Rate Contract are completed.

37. General/ Miscellaneous Clauses

37.1 NothingcontainedinthisContractshallbeconstructedasestablishingorcreatingbetweentheparties, 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.
37.2 Any failure on the part of any Party to exercise right or power under this Contract shall not operate as waiver thereof.
37.3 The Supplier shall notify the Purchaser/Consignee /the Government of India of any material change would impact on performance of its obligations under thisContract.
37.4 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 theContract.
37.5 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 theContract.
37.6 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/affiliateetc.
37.7 All claims regarding indemnity shall survive the termination or expiry of thecontract.
37.8 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 Rate Contract finalised under this tender enquiry can be operated only by HITES. Any supplier supplying against the said Rate contract to any other user, Government/Private without knowledge and permission of HITES will be considered breach of contract and HITES may initiate action as deemed appropriate including but not limited to forfeiture of their security towards performance and operation of Rate Contract, debarring, blacklisting, etc.

SECTION - VI
LIST OF REQUIREMENTS

1. Details ofRequirement

Sch. No.	Name of the Items	Total Estimated Qty.	Warranty	CMC
1	Laparoscopy set with hand instrument set	1	5	5
2	Laparatomy set	1	5	NA
3	Vascular Surgery Instrument	1	5	5
4	Operating Ultrasound	1	5	5
5	Ultrasonic & Advanced Radio Frequency Energy for Cutting & coagulation in Surgery	1	5	5
6	100W Holmium Laser	1	5	5
7	Low Temperature Plasma Sterilizer 50 litre capacity	1	5	5
8	Urodynamic machine with Uroflometry	1	5	5
9	C-ARM IMAGE INTENSIFIER	1	5	5
10	PCNL Instruments (Nephroscope with forceps and accessories)	1	5	5
11	Endoscope accessories (Pneumatic lithotripter Specifications)	1	5	NA
12	Upper & Lower Urinary tract instruments	2	5	NA
13	PNS	7	5	NA
14	Set for Hip Replacement	7	5	5
15	Set for Knee replacement	7	5	5
16	Interlock nailing sets	28	5	NA
17	Simple OT tables	7	5	5
18	Ent Surgery Set	7	5	NA
19	Endoscopic Sinus Surgery Set	7	5	5
20	Oesophagoscopy set	7	5	5
21	Bronchoscopy set	7	5	5
22	Puretone audiometer	7	5	5
23	Impedance audiometer/ Tympanometer	7	5	5
24	Abdominal/ Vaginal Hysterectomy set	42	5	NA
25	Tuboplasty set	7	5	NA
26	USG A+B Scan	7	5	5
27	Green Laser 532nm	7	5	5
28	Digital Fundus Camera	7	5	5
29	Blood Bank Plasma Freezer, -40°C	7	5	5
30	Blood Bank Plasma Freezer, -80°C:	7	5	5
31	Blood Bank Platelet agitator cum incubator:	7	5	5

Note: Bidders are advised to offer their best competitive prices against this Rate Contract tender. The drawals against the Rate Contract will depend on the competitiveness of the prices, quality of equipment and timely delivery of previous supply orders as essential requirements.

2. Destination/Consigneedetails

Stores are to be supplied in Madhya Pradesh and all over India as indicated in the Supply Orders placed against the Rate Contract.

3. DeliveryPeriod:

The delivery period will be 75 days from the date of placement of supply order or 45 days from the date of site readiness whichever is later.

Bidder should however mention quote guaranteed monthly rate of supply and lead time required for commencement of supply after placement of supply order in Section VIII- Quality Control Requirements..

4. Terms ofDelivery:

Free Delivery at ConsigneeSite

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

5. Scope of Incidental Services:

Installation & Commissioning, Supervision, Demonstration, Trial run and Training etc. as specified in GCC Clause13

Installation & commissioning shall be completed within 30 days, of handing over the site complete in all respect by the consignee. The date of handing over the site has to be intimated to the supplier by the consignee. The delay on the part of the supplier to install & commission of Equipment will also attract the provisions as contained in the liquidated damage clause.

6. Warranty:

Terms of warranty shall be as per details given in general technical specification/technical specification of the Equipment and for a period specified in the Table under „List of Requirement' above.

Warranty period will be effective from the date of installation, commissioning and acceptance.

Comprehensive Maintenance Contract (CMC) as per details in Technical Specification as specified in part Iabove.

SECTION-VII
TECHNICAL SPECIFICATIONS
Sch. 1
Laparoscopy set with hand instrument set

- Forward-Oblique Telescope 30°,enlarged view, diameter 10 mm,length 31 cm, autoclavable, fiber optic light transmission incorporated-2Qty
- Straight Forward Telescope 0°,enlarged view, diameter 10 mm, length31 cm, autoclavable, fiber optic lighttransmission incorporated – 1 qty
- Three piece laparoscopic autoclavable KELLY/MARYLAND Dissecting and Grasping Forcep, 360 degree rotational sheeth, with connector pin for unipolar coagulation, size 5 mm, length 36 cm, long, double action jaws, with ergonomic plastic handle with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button.**-3Qty**
- Three piece laparoscopic autoclavable CROCE-OLMI Grasping Forcep, 360 degree rotational sheeth, size 5 mm, length 36 cm, long, double action jaws, ergonomic metal handle with plastic finger rings with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press ofabutton. -2Qty
- Three piece laparoscopic autoclavableBowel Grasping Forcep, double action jaws, fenestrated, 360 degree rotational sheeth, size 5 mm, length 36 cm, long, double action jaws, ergonomic metal handle with plastic finger rings with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button. **-4qty**
- Three piece laparoscopic autoclavable Right Angled Dissecting and Grasping Forcep, double action jaws, fenestrated, 360 degree rotational sheeth, size 5 mm, length 36 cm, long, double action jaws, ergonomic metal handle with plastic finger rings with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button.**-2Qty**
- Three piece laparoscopic autoclavable Right Angled Dissecting and Grasping Forcep, double action jaws, fenestrated, 360 degree rotational sheeth, size 10 mm, length 36 cm, long,double action jaws, ergonomic metal handle with plastic finger rings with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button.-3Qty
- Three piece laparoscopic autoclavableMANHES Grasping Forcep with ratchet, Tiger Jaws, 2X4 teeth, 360 degree rotational sheeth, with connector pin for unipolar coagulation, size 5 mm, length 36 cm, long, double action jaws, with ergonomic plastic handle with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button. -2Qty
- Three piece laparoscopic autoclavableMANHES Grasping Forcep with Hemostat style ratchet, duck-bill jaws, blunt, 360 degree rotational sheeth, with connector pin for unipolar coagulation, size 5 mm, length 36 cm, long, single action jaws, with ergonomic plastic handle with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button -2Qty
- Three piece laparoscopic autoclavableCLAW Grasping Forcep with ratchet, 2X3 teeth, 360 degree rotational sheeth, size 10 mm, length 36 cm, long, single action jaws, with ergonomic metal handle, can be dismantled with the press of a button.**-2Qty**
- Three piece laparoscopic autoclavable Curved METZENBAUM Scissors, 360 degree rotational sheeth, with connector pin for unipolar coagulation, size 5 mm, length 36 cm, long, double action jaws, with ergonomic plastic handle with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button-4Qty
- Three piece laparoscopic autoclavable Hook Scissors, 360 degree rotational sheeth, with connector pin for unipolar coagulation, size 5 mm, length 36 cm, long, double action jaws, with ergonomic plastic handle with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button2Qty

- Dissecting-Electrode with electrode L-tip, autoclavable,ergonomichandling, size 5 mm, length 36 cm, with connector pin for unipolar coagulation-4Qty
  UnipolarHFCord **-4 Qty**
- CUSCHIERI Liver Retractor, size 10 mm,length36cm **-1Qty**
- Fan retractor5mm **-1Qty**
- Haem O'-lock clip endo-applier for large clips 10mm- 2 no (from a reputemaker)
- Haem O'-lock clip endo-applier for extra large clips 10mm- 1 no (from a reputemaker)
- Laparoscopic liga clip applicator 10mm for LT 200, LT300 and LT 400-2each
- Tray to accommodate all hand instruments 2 no (from samemanufacturer)
- Laproscopic right angled liga clip applicator –1no.
- Laparoscopic atraumatic Stansky clamp:2

Trocar & Cannula:

- Trocar Cannula size :**11 mm diameter**; should have multifunctional valve to prevent damage of sharp instruments and tip lens while passing through the cannula valve. It should have stopcock for CO2 insufflation. Trocar should have pyramidal tip with pin holes near thetipforsafetyoutletofCO2gas.Theworkinglengthofthecannulashouldbe105mm.
  -6Qty

- Trocar Cannula size **: 6mm diameter**; should have multifunctional valve to prevent damage of sharp instruments and tip lens while passing through the cannula valve. It should have stopcock for CO2 insufflation. Trocar should have pyramidal tip with pin holes near the tip for
  safety outlet of CO2 gas. The working length of the cannula should be 105 mm-6Qty

- Trocar Cannula size :12mm diameter; should have multifunctional valve to prevent damage of sharp instruments and tip lens while passing through the cannula valve. It should have stopcock for CO2 insufflation. Trocar should have pyramidal tip with pin holes near the tip forsafety outlet of CO2 gas. The working length of the cannula should be 105mm-1Qty

- Double reducer, 11/6mm-4Qty
- Nipple valve for 11mm cannula and 6mm cannula – 20 each

Veress Needle

- VeressPneumoperitoneum needle with spring loaded blunt inner cannula, LUER-Lock, autoclavable, diameter 2.1mm , working length 10 and 18 cms. -2Qtyeach

Injection Needle

- Injection needle, LUER-lock, diameter 1.2 mm, size 5 mm, length 36 cm-4Qty

Suction and Irrigation Tube

- Suction and Irrigation Tube, anti-reflex surface **with trumpet valve action**, for single hand control, size 5 mm, length 36cm-4Qty
-

LAPAROSCOPIC NEEDLE HOLDERS

- Macro needle holder with tungsten carbide insert, dismantling into three parts namely, outer tube, handle and inserts, ergonomic pistol handle, with disengageable ratchet, jaw curved to left, size: 5mm, length : 33cm for use with suture material size: 0/0 to 7/0.-**2Qty**

- Macro needle holder with tungsten carbide insert, dismantling into three parts namely, outer tube, handle and inserts, ergonomic pistol handle, with disengageable ratchet, jaw curved to right, size: 5mm, length : 33cm for use with suture material size: 0/0 to7/0.-2Qty

Laparoscopic Bipolar Forceps

- Three piece laparoscopic Bipolar Coagulating Grasping Forceps with overload tissue protection, CLERMONT- FERRAND MODEL, Wide jaws, with connector pin for bipolar coagulation, 360 degree rotational sheeth, size 5 mm, length 36 cm, long, single action jaws, ergonomic Plastic handle with larger contact area, O can be dismantled with the press of a button.-**2Qty**

- Three piece laparoscopic Bipolar KELLY Dissecting & Grasping Forceps with overload tissue protection, CLERMONT- FERRAND MODEL, Wide jaws, with connector pin for bipolar coagulation, 360 degree rotational sheeth, size 5 mm, length 36 cm, long, single action jaws, ergonomicPlastichandlewithlargercontactarea,canbedismantledwiththepressofabutton -2Qty

Bipolar HF Connecting Cable-4Qty

- Bipolar and monopolar HF Connecting cables should be compatible with all standard electrosurgical generators, if not then adaptors should beprovided.

S. No	Specification
1	**Three Chip High definition Camera System** The system should be truly Digital HDTV endoscopic video camera. The system should have the maximum Resolution of 1920 X 1080 pixels, progressive scan and the consistent use of 16: 9 formats for Input & Output to guarantee genuine HDTV. • The system should have facility of Optical & Digital Zoom lens to enhance the quality of Image size & cross specialty usage of the camera system, regardlessof the telescopeused. USB Port for Capturing FULL HD Videos/ HD Stills in External USB drive and direct interface of USB Printer to facilitate direct printouts. System should have facility of controlling additional equipments like light source/ insufflators and recording device from the camera head. System should have facility to offer various visualization modes for surgery and diagnosis by shifting the color spectrum like **BLUE & GREEN** light for

recognition of the finest tissue Structures and their differentiation.

Parallel live display of visualization modes besides white light mode (picture-in-picture).

Modular design: Digital FULL HD camera module should be compatible for use with video flexible GI endoscopes.

Technical Specifications:

Imagesensor:	**3X1/3''CCD-Chip.**
Pixels	1920 x1080
AGC:	Microprocessorcontrolled
Lens:	Integrated Zoom Lens f = 15-31 mm (2x optical zoom)
Minimumlightsensitivity:	1.17 Lux (f = 1.4mm).
Control buttons:	3 (2 of them freelyprogrammable).

Video output: 2 x DVI-D output, 1 x 3G-SDI output, 3 x camera input for communication with compatible camera modules, LAN connection, 4 x USB connection (2 x front,2 xback).

Input: Keyboard input for character generator.

PowerSupply:- 100-240 VAC 50/60 Hz

Certified to :IEC 601-1, 601-2-18, CSA 22.2 No. 601, UL 2601 and CE according to MDD, protection class1/CF

3 High Definition Medical Grade Monitor

The monitor should have:

HDTV display in original 16: 9 HDTV format.
1080 p/ 50 & 1080 p/60 displays possible.
LED crystal display.
Max. Resolution of 1920X1080.
Screen diagonal – 26".
Desk top with pedestal.
Should have the facility of PIP mode.

Specifications

HD TFT Flat Screen Monitor with stand size 26",
Aspect Ratio 16:9 HD format
Brightness : 500cd/m2
Maximum viewing angle : 178° vertical
Contrast ratio: 1400 :1
Reaction Time – 8ms
Rated power : 115 watts
Power Supply 100-240 VAC
Screen Dimensions : 643 x 396 x 87mm

Video Inputs: 2* DVI-D , 2* 3G SDI, 1* S Video , Composite 1* RGB/VGA , 1* RS 232 ,1* RJ 45 Interface.

Output: 1* DVI , 1* 3G SDI, 1* S-Video

Accessories External 24VDC Power Supply, Mains Cord, Pedestal.
Certified to : EN 60601-1, protection class IPX 1

4 Xenon Light Source with Fiber optic cable(Fiber optic cable-2Qty)

Lamp type:- Xenon 15V, 300 Watt
Color Temperatures 6000K
Light Outlets – 1
Light Intensity Adjustment :- Continuously adjustable either manually or
Automatically by cameras video output signal.
Should be supplied with Diameter 4.8mm, Length 300cm.
Certified To :- IEC 601-1 & UL 544 CE According to MDD , protection class 1/CF

5 FULL HD IMAGE/VIDEO RECORDING SYSTEM

Documentation system should have following specifications,
User friendly work flow in built in Medical grade unit
Sleek and compact design
Captures still images, video sequences
Record still images and video in FULL HD at Resolution of 1920x1080P
Controllable via membrane buttons on front panel, camera head buttons, footswitch mouse and keyboard
Enters patient data in combination of keyboard
Can be installed on Cart with single screen (no additional screen required)
Supports network storage on file servers
Network Protocol: TCP IP/ SMB
USB support for storage on USB drives
Customizable print-outs for the documented information
Quick print function for fast print of images
HIPAA compliant
Medical grade unit CE certified, ICE 60601-1
Microprocessor: RIMM (AMD) Processor at 500 Mhz.
USB Silicon Keyboard with Touchpad
Video signal inputs: DVI-I Dual Link, HD-SDI, Composite, S-Video, RGB, YPbPr
Video Out: DVI-I Dual link
Video output resolution: 1920x1080, 1280x1024, 1280x720, 1024x768, 800x600, 640x480
Audio Input: Standard 3.5 mm stereo phone jacks
Internal hard drive: 320 GB
USB ports: USB 2.0 (1 front panel, 2 rear panel)
Network: RJ45 / connection as network drive (SMB)
Recording formats: Videos: H.264mp4 Images: JPG, TIFF,BMP
Patient data: Saved as .txt file and / or in EXIFformat

Power supply: 100/240 VAC, 50/60 Hz

6 INSUFFLATION UNIT- 20 LIT.

Special features:

• High degree of patientsafety
• Easy touse
• Clear, adjacent display for set value and actual value allow easy monitoring of insufflationsprocess
Inbuilt Gas Warming unit
• Touch keys for precise pre-selection of setvalues
• Optical and acoustic warning signals in the event of patientoverpressure
• Can be control with camera head, it makes operating for the surgeon a highly ergonomic and pleasant working experience.

• Fully automatic, electronically controlled gas refill (e.g. in case of gas loss when changing
instruments)
• Safety – constant monitoring of Intra-abdominal pressure; any overpressure is reducedimmediately
• Should have High Pressure Hose, American connection / pin-Index connection (CO2), length102cm
• CO2-Bottle, empty with pin-indexconnection

Technical specifications:

Gas flow/min 0-20 ltrs
Pressure (mmHg)0-30(mmHg)
Intra-abdominal pressure guage 0-50 (mmHg)
Power supply 100-240 VAC (50/60 Hz)
Dimension 305 x 164 x 233 mm (w x h x d)
Weight 6 kg
Certified to IEC 601 – 1, CE label according to MDD
Medium CO2 cylinders - 2

Siliconinsufflationtubewith metal LUER lock connector – 4qty.

7 Imported trolley

Equipment Cart , rides on 4antistatic dual wheels equipped withlocking brakes, central beam withintegrated electrical subdistributorswith 6 sockets, grounding plugs,modular in nature (should be able to add shelves and components later ifrequired)

Should have central monitor holder to mount monitor with height adjustable, swiveling and tilting, swivel range approx. 360°, loading capacity max. 18 kg, with monitor mount VESA 75/100

Cart should have following dimensions in mm (w x h x d):
Equipment cart: 830 x 1474 x 730,
Caster diameter should be 125 mm
It should consisting of:
Base Module, equipment cart
1 x Top Cover,
Beam Package, equipment cart
1 x Shelf, size - 630 x 25 x 510,
1 x Drawer Unit with Lock,
1 X Base Plate
1 x Camera holder

Cart should be competible to accomodate followings when required,

- Atleast 4 moreshelves
- Isolationtransformer
- Counter balanceplate
- CO2 cylinderholder
- Monitor holding arms(lateral)

1. **All major core items like camera, monitor, light source, light cable, recording system, insufflator, telescope and trolley should be from same manufacturer.They should be USFDA/European CE approved/BIS approved (copy of certificate have to beenclosed with thebid)**
2. **10% hand instruments from other reputed (USFDA/European CE approved/BIS) manufacturer is allowed, but they should be compatible with coreitems.**
3. **Cleaning and maintenance set should be providedalongwith.**

Sch. 2

	Laparatomy set
A	**KIDNEY SET** (TWO EACH)
1	MAIER POLYPUS FORCEPS, WITH RATCHET, CVD
2	BACKHAUS TOWEL HOLDING FORCEPS, 110MM, (6 Nos)
3	TOWEL CLAMP, 115 MM LENGTH (6 Nos)
4	SCALPEL HANDLE, NO. 4
5	SCALPEL HANDLE, NO. 3
6	SCALPEL HANDLE NO. 4L
7	SCALPEL HANDLE NO. 3L
8	DISSECT.SCISS.,METZENBAUM,180,CVD.DUROTP
10	DUROTIP DISS.SCISS.,METZENBAUM,CVD.230MM
11	DUROTIP DISS.SCISS,NELSON-METZENBAUM,260
12	DUROTIP-LIGATURE SCISSORS, 230MM LONG
13	POTTS-SMITH, CARDIOVASC.SCISSORS,180 MM
14	DISSECTING FORCEPS, SLEND. PATT., 145 MM
15	TISSUE FORCEPS, AM. PATT., 1X2 T., 145MM
16	TISSUE FORCEPS, 1X2 T.,200MM MEDIUM SIZE
17	TISSUE FORCEPS, 1X2 T.,250MM MEDIUM SIZE
18	FORCEPS, STRAIGHT, 2MM JAW, ATRAUM.150MM
19	FORCEPS, STRAIGHT, 2MM JAW, ATRAUM.240MM
20	FORCEPS, STRAIGHT, 2MM JAW, ATRAUM.240MM
21	KOCHER FORCEPS, STR., 1X2TEETH, 140MM (10 Nos)
22	HALSTED MOSQUITO FORCEPS,CURVED,125MM (10 Nos)
23	HALSTED FORCEPS, 1X2 TEETH, STR., 185CM
24	KOCHER HYSTERECTOMY FORCEPS STR., 200 MM
25	KOCHER HYSTERECTOMY FORCEPS STR., 240 MM
26	MAIER POLYPUS, SPONGE AND DRESS.FORCEPS (4 Nos)
27	MIKULICZ PERITONEUM FORCEPS LARGE, 205MM (6 Nos)
28	MIXTER LIGATURE FORCEPS230MM
29	DESCHAMPS NEEDLE, BL, CVD TO LE, 215 MM

30	GUIDE PROBE,4,5MM BROAD, 195 MM
31	DUROGRIP CRILE-WOOD NEEDLE HOLDER,145MM
32	DUROGRIP HEGAR NEEDLE HOLDER, 205MM
33	DUROGRIP DE BAKEY NEEDLE HOLDER, 180 MM
34	DUROGRIP DE BAKEY NEEDLE HOLDER, 250 MM
35	ROUX RETRACTOR, DOUBLE-ENDED, SET OF 3
36	VOLKMANN RETRACTOR, SEMI-SHARP,4-PRONGED
37	FRITSCH ABDOMINAL RETRACTOR, 75 MM WIDE
38	MIKULICZ ABDOMINAL RETRACTOR
39	MIKULICZ ABDOMINAL RETRACTOR
40	HABERER ADOMINAL SPATULA, MALLEABLE., TAP.
41	CUSHING VEIN- A. WOUND RETRACTOR,10X13MM
42	NON-TRAUM.KIDNEY PED.CLAMP,GUYON, 240 MM
43	DE'BAKEY VESSEL CLAMP, JAW 38MM,220 MM
44	DE'BAKEY VESSEL CLAMP, JAW 54MM,270 MM
45	NON-TRAUM.GRASPING FORCEPS,ALLIS, 220 MM
46	NON-TRAUM.GRASPING FORCEPS,ALLIS, 255 MM
47	RANDALL KIDNEY STONE FORCEPS small
48	RANDALL KIDNEY STONE FORCEPS Medium
49	RANDALL KIDNEY STONE FORCEPS Large
50	NEEDLE CASE, PERFOR., 7 COMP,150X90X10MM
51	LABORATORY DISH, 0.16 L
52	LABORATORY DISH, 0.4 L
53	KIDNEY TRAY, 250 MM
B	**INSTRUMENTS FOR RADICAL PROSTATE SURGERY 1 each**
1	Mc Dongal Right Angle for Right Hand
2	Prostatic Retractor- (Nante's Tech)
3	Apical Retractor-(Nante's Tech)
4	B P handle-Long and Curved-(Nante's Tech)
5	Right Angle-fine and long-(Nante's Tech)
6	Jemmy's Scissor-(Nante's Tech)
7	Lowley's Retractor-Curved
8	Lowley's Retractor-Straight
9	Suction-steel-curved
10	Lighted suction
11	Curved needle holder single curved
12	Curved needle holder double curved
13	3x optical loupe
14	**Head light camera system with light source**
15	300 watt Xenon Dual port light source
16	Balfour Retractor,self retaining with three blades(63x35mm) maximum spread 180mm-4 No.
17	Baby Satinsky clamp,18 cm,straight-4 No.
18	Equipment Trolley-2 no(one for storage of equipment and one for procedure)
C	**URETHRA SET (ONE EACH)**
1	DISSECT.SCISS.,METZENBAUM,145MM,CVD.DURO
2	KILNER DISSECTING SCISSORS, 150 MM
3	DISSECT.SCISS.,METZENBAUM,180,CVD.DUROTP
4	DISSECTING FORCEPS, SLEND. PATT., 145 MM
5	TISSUE FORCEPS, AM. PATT., 1X2 T., 145MM
6	TISSUE FORCEPS, 1X2 T.,200MM MEDIUM SIZE

7	FORCEPS, STRAIGHT, 2MM JAW, ATRAUM.150MM
8	FORCEPS, STRAIGHT, 2MM JAW, ATRAUM.200MM
9	HALSTED MOSQUITO FORCEPS, CURVED, 125MM
10	KOCHER FORCEPS, STR., 1X2 TEETH, 140MM
11	BABY-MIXTER ARTERY FORCEPS,180MM
12	DUROGRIP HEGAR-MAYO NEEDLE HOLDER, 205MM – 2 nos
13	DESMARRES, LID RETRACTOR, FOR CHILDREN
14	KOENIG VEIN- AND WOUND RETRACTOR, SMALL
15	KOCHER-LANGENBECK RETRACTOR, 25X6MM
16	FINE SKIN RETRACTOR GILLIES,180MM, SMALL
17	DITTEL URETHRAL BOUGIE, CURVED, CHAR. 10
18	DITTEL URETHRAL BOUGIE, CURVED, CHAR. 14
19	DITTEL URETHRAL BOUGIE, CURVED, CHAR. 18
20	DITTEL URETHRAL BOUGIE, CURVED, CHAR. 22
21	DITTEL URETHRAL BOUGIE, CURVED, CHAR. 26
22	NELATON DIRECTOR, CVD., 160 MM
23	INTERIOR BOX FOR BL 930
24	LABORATORY DISH, 0.16 L
25	LABORATORY DISH, 0.4 L
26	KIDNEY TRAY, 250 MM
27	Turner Warwick Ring Retractor for urethroplasty with blades 1 set
28	Mastoid retractor Large size -2no.
29	Mastoid retractor Medium size – 2 no.
30	Periosteal elevator
31	Chiselandhammer
32	Bone gouge
33	Bone punch
D	**GENITAL SET (TWO EACH)**
1	HEGAR UTERINE DILATOR, SINGLE, 14 MM
2	HEGAR UTERINE DILATOR, SINGLE, 14,5 MM
3	HEGAR UTERINE DILATOR, SINGLE, 15 MM
4	HEGAR UTERINE DILATOR, SINGLE, 15,5 MM
5	HEGAR UTERINE DILATOR, SINGLE, 16 MM
6	HEGAR UTERINE DILATOR, SINGLE, 16,5 MM
7	HEGAR UTERINE DILATOR, SINGLE, 17 MM
8	HEGAR UTERINE DILATOR, SINGLE, 17,5 MM
9	HEGAR UTERINE DILATOR, SINGLE, 18 MM
10	HEGAR UTERINE DILATOR, SINGLE, 19 MM
11	HEGAR UTERINE DILATOR, SINGLE, 20 MM
12	MALE DILATOR SET- CLUTTON
13	MALE DILATOR SET- LISTER
E	**AUTOCLAVABLE INSTRUMENT BOX FOR STORAGE**
F	All above instrument should be of high medical grade.
G	All instruments should be **USFDA/European CE approved/BIS**/ approved (copy of certificate have to be enclosed with the bid)
H	Company name and catalogue number engraved on each instruments
I	Corrosion free surgical grade stainless steel (Stainless steel alloy of 350-450 grade), non magnetic with anti glare finish
J	Item Code and Manufacturer name should be LASER engraved on the instrument.
K	Instruments supplied should be 90% or more from the same manufacturer.

Sch.3 Vascular Surgery Instrument

S no.	Instrument description	Quantity
1	Titanium Ryder Needle Holder, ring handle, length - 23 cm, Suture size 5-0 and smaller	1
2	Stainless steelJacobsonMicro Needle Holder, round handle,extended 10mm diameter knurling, with ratchet, straight jaws,streamlineboxlock, length 20 cm , suture size 5-0andsmaller	2
3	Stainless steel Micro Needle Holder, round handle, extended 10mm diameter knurling, with ratchet, straight jaws, streamlineboxlock, length 23 cm , suture size 5-0 andsmaller	2
4	Stainless steel, Micro Needle Holder,gold ring handle, Ryder-style, straight jaws, length 23 cm, suture size 5-0 and smaller	2
5	Stainless steel, DeBakey Forceps, flat handle, 2 mm tips , length 24 cm	4
6	Stainless steel, DeBakey Forceps, flat handle, 2 mm tips , length 20 cm	4
7	Stainless steel Micro Forceps, round handle, straight , 1.0 mm round tip, length 23 cm	2
8	Stainless steel Micro Forceps, round handle, straight , 1.0 mm round tip, length 20 cm	2
9	Stainless steel Stevens Tenotomy Scissors, sharp curved blades, black ring handles Length 18 cm	2
10	Stainless steel Diethrich-Potts scissors, 45° angled fine blades, black ring Handles , length 18 cm	2
11	Aortic punch, Length 18cm, (3mm, 3.5mm, 4mm and 4.5mm)	2 each
12	Vascular silicon loops (red, blue and yellow colour)	10 each
13	Stainless steel Multi-Purpose Vascular Clamps 60º Angled, 7.5 cm DeBakeyJaws , length 23 cm	1
14	Stainless steel Multi-Purpose Vascular Clamps, 45º Angle DeBakey Jaws, length 20 cm	2
15	Stainless steel Dennis Anastomosis Clamps 2 cm DeBakey Jaws length 18 cm	2
16	Stainless steel, Dennis Anastomosis Clamps 2 cm Cooley Jaws, length 18 cm	1
17	Stainless steel, Dennis Peripheral Vascular Clamps 6 cm DeBakey Jaws, length 20 cm	1
18	Stainless steel Bulldog Clamp 25 mm Curved Jaws, length 5 cm	2
19	Stainless steel Bulldog Clamp 25 mm straight Jaws, length 5 cm	2
20	Stainless steel Bulldog Clamp 40 mm Curved Jaws, length 7 cm	2
21	Stainless steel Bulldog Clamp 40 mm straight Jaws, length 7 cm	2
22	Stainless steel Bulldog Clamp 15 mm Curved Jaws, length 4 cm	2
	All above equipment should be USFDA/European CE approved/BIS approved (copy of certificate have to be enclosed with the bid)	

Sch.4
Operating Ultrasound

A. Should have High Resolution Imaging for ClinicalNeeds
B. Should have a 15” or more flat panelmonitor
C. Should have speckle reduction technology for enhancing tissue margins for betteranatomical visualization and to improve better organ anatomy from differentangles.
D. Should have facility to connect at least two or more electronicTransducers.

E. It must support transducers with linear, transrectal, laproscopic, curved array & TEEprobes.
F. The system shall have the ability to enhance tissue margins and improve contrast resolution by reducing artifacts. Please specify thetechnology.
G. System should posses software for Enhanced Needle Visualization to track the needle clearlyat steep angles during the procedures while maintaining striking image quality of the target structures and the surrounding anatomy with simple On/Off functionality. This Facility should be available on both High frequency Linear and Curvilnear probes for superficial as well as deeperblocks.
H. The system shall provide the user with minimum 8 generic digitalcalipers.
I. The system must have a dedicated calculations packages.
J. Should support 360 degree scanning with compatibleprobes
K. Should have Automated Mode Adjustment for high resolution B modeimage
L. Should have facility to compensate the motion related imagingartifacts
M. Should have DICOMCapabilities
N. Transducers should have programmable start and stopbuttons.
O. Control panel should be sealed for easy cleaning anddisinfection

P. Control panel should be illuminated for easyaccess

Q. Should have an internal hard drive to storeimages.

R. Should have height adjustable mechanism with controlpanel.

S. CD /DVD writer and USB Flash memory drive should be the part of the systemoptionally.

T. System should have upgradability of TEETransducer

U. Should be of latest generation quad beam digitaltechnology.

V. Imaging Modes: System should have followingmodes:
   a. Bmode
   b. M Mode
   c. Color Doppler
   d. PowerDoppler
   e. Pulsed WaveDoppler
   f. Tissue HarmonicImaging

The following transducers are to be supplied along with the scanner:

- 2-5MHz or more convex abdominal transducer with an Autoclavable biopsyattachment
- Transrectal transducer with biplane imaging facility to visualize, sagittal as well astransverse planes of prostate gland. Transducer should compatible with standard sterilization methods like, immersion, ETO and Sterrad. A biopsy attachment for taking transrectal prostate biopsy should be supplied.
- A laparoscopic transducer which can be used through normal laparoscopic ports (10-12 mm) with a biopsy facility to be supplied. Probe should be compatible with standard sterilization methods like immersion, ETO and Sterrad. Compatible biopsy attachment should besupplied.
- 6-12 MHz or more multi frequency linear transducer with vector flow imaging forvascular, small parts, testes, breast and thyroid scans should besupplied.
- All above equipment should be USFDA approved (copy of certificate have to be enclosedwith the bid)

Sch.5

Ultrasonic & Advanced Radio Frequency Energy for Cutting & coagulation in Surgery
• Single /dual Generator with Single/dual footswitch that should provide Ultrasonicenergy

and Advanced RF energy technology for soft tissue dissection and vessel sealing up to 7mm. • System should have a universal connector to connect Ultrasonic energy and AdvancedRF energyinstruments.
• System should have automatic instrumentrecognition.
• System should be **USFDA/European CE approved/BIS**approvedand should be from samemanufacturer. • Should provide temperature controlled energy delivery whichshould maintain tissue temperature approximately at 100 degree Celsius and hand instruments that provide tissue vessel seal strength to withstand bursting pressure of 3 or more times the systolicpressure.
• System should have a touch screen display for fast and setup, operation and on-screen diagnostics.
• System should have a high-resolution display with wide viewingangles.
• System should have the ability for software upgrade via USB/LAN and othersources • System should provide Ultrasonic energy and Advanced RF energy technology forsoft tissue dissection and vessel sealing up to7mm • System should conform to the following international standards EN (IEC) 60601-1, EN (IEC) 60601-1-2, EN (IEC) 60601-2-2, EN (IEC)60601-1-8 • System should provide Class 1 protection against electricshock • System should have a single or double footswitch for operating ultrasonic energy &advanced RF energyinstruments • System should not have minimal lateral thermal spread more than 1 +/-0.5mm • System should not have an auto switch offmechanism. • System should have standby mode to ensuresafety. • System should come equipped with system diagnostics and troubleshooting guide topin point any problems in thesystems. • System should have onscreen warning display system for generator overheating,generator software upgrade, hand piece errors and instrumenterrors • System should work in the frequency of 47 KHZ to 56KHz • System should be compatible for open surgery and for laparoscopicsurgery. • System should have at least 3 power or more settings levels with power level displayfor ultrasonic energyinstruments. • The probe/instrument should have a 360 degreerotation. • System should be able to power energy instruments with microprocessor controlledbipolar electrosurgical radiofrequency technology with a quasi/sinusoidal forced impedance output. • System should be equipped with advanced RF energy technology that can simultaneously seal and transect vessels up to and including 7mm, large tissue pedicles and vascular bundles • System should be able to seal & cut up to 7 mmvessels. • RF energy instruments compatible with generator should have controlled gapmechanism for uniform compression across the instrument jaw for better sealing and transaction of vessels and tissue bundles upto 7mmsimultaneously. • Manufacturer should have dedicated direct service center in India and have installation in repute GovernmentInstitutes **System should comprise of the following:** 1) Generator 2) Footswitch &Cable 3) CommunicationCable

Accessories :

1) Transducer with silicon cable-1No‟s
2) Foot switch withcable
3) GeneratorCart
4) Adaptors for ultrasonicinstruments
5) UPS -2KVA
6) Ultrasonic 5 mm Laparoscopic hand activated curved tip coagulating probe Quantity-1nos
7) Ultrasonic hand activated curved tip coagulating probe for open surgery: Quantity1nos
8) Advanced RF/Bipolar 5 mm Laparoscopic hand activated curved tip coagulatingprobe: Quantity 1no‟s
9) Advanced RF/Bipolar hand activated curved tip coagulating probe for open surgery Quantity1no‟s

Sch.6

100W Holmium Laser

It should be able to Enucleate, Vaporize and Resect circulated adenoma tissue in BPH treatment of any size.
It should be able to fragment calculi of any size in the bladder, ureter or kidney and any impacted stone fragment.
It should be able to ablate superficial bladder tumors, urethral & ureteral tumors.
It should be able to treat invasive bladder carcinoma &condylomas and lesions of the external genitalia

1. The Holmium laser should have outputpower of 100 watt ormore.
2. It should have frequency range from 40 to 80 Hertz ormore.
3. It should have maximum energy upto 5J ormore
4. It should have pulse duration from 50 to 1100microseconds.
5. It should have Moses effect or other Stone Holding and Breaking technique toavoidretropulsioneffect.
6. The system should have adjustable pulse duration mode duringtreatment.
7. It should have dual or more laser head and in case of power failure, machine should be able to work at optimumpower.
8. It should have inbuilt powerful chiller system for bettercooling.
9. It should have inbuilt dusting mode for better dusting ofstone.
10. It should have blast shield to protect the internal opticaldamages.
11. It should have touch screen controlpanel.
12. It should have green aiming beamfacility.
13. It should have dual footswitch to operate two different settingssimultaneously.
14. It should have 220vac /30Amp powerrating.
15. It should haveinternal energy meter to check the outputpower.
16. The Holmium Laser should be suppliedwith high performance 200 micron meterfiber so that maximum power delivered at thosefibresshould be 30W ormore.
17. Holmium Laser should be supplied with following laserfibres:

- 200 umLaser fiber:7
- 365 umLaser fiber:7
- 550 umLaser fiber:10

18. The System should be able to do both Stone and ProstateSurgeries.
19. It should have TissueMorcellator:

The Tissue Morcellator should provide rapid endoscopic removal of soft tissue.
Tissue Morcellator should include:
One control box,
Two hand pieces,

Five blade sets:
Outer Blade – Outer Dia 0.47cm/length 39.5cm)
Inner Blade – Outer Dia 0.39cm/ Length 51.25cm
Two pieces of sterile tubing,
One sterilization tray
One package each of 3 long cleaning brushes, 3 short cleaning brushes, and 3 endoscope adaptors.

20. Compatible Continuous Flow Cystoscope and resectoscope for doing laser enucleation of prostate. (can be from a reputemake)
21. Fibre Inspection Scope -1No
22. Fibre cutting Scissors -1No

Should be **USFDA/European CE approved/BIS** approved (copy of certificate have to be enclosed with the bid)
Training of user departments' doctors and other OT staff has to be provided by Principal company

Sch.7

Low Temperature Plasma Sterilizer 50 litre capacity

1. The Sterilizer should use Low Temperature H202 Gas Plasma for sterilization withplasma energy generated inside thesterilization.
2. Sterilizer should have chamber temperature of less than or equal to 55° C atall the time during thecycle.
3. Sterilizer should have total volume of 30-55Liters.
4. Sterilizer should have preprogrammed cycles without any room forhuman error due to manual programming; total cycle time should be less than 40 minutes with fastest cycle less than 30 minutes. There should be a separate cycle for flexible endoscope.
5. The quoted model should be indicated for sterilization of metal and non-metal medical devices by USFDA/510k and EuropeanCE.
6. The quoted model should be endorsed by European CE for implementinga Quality assurance system for design, manufacture and final inspection of the sterilizer.
7. The sterilizer should be recommended by the leading IFUs of reputeddevice Manufacturers (e.g. Karl Storz, Olympus, Stryker, Smith & Nephew, etc.) for sterilization of telescopes, Camera & Other surgical instruments.
8. Lumen sterilization claims should be validated and endorsed by USFDA/510K andEuropean CE
9. The By-products of the sterilizer should be non-toxic andeco-friendly.
10. Sterilant cassette/bottle/cup should be able to store at room temperature and should be able to transport byair
11. Sterilant should be in cassette/bottle/cup form with leak proof indicator to avoid exposureto concentratedH2O2.
12. Manufacturer/bidder shall ensure uninterrupted supply of consumables like -cassettes/bottle prefilled with H202(Hydrogen Peroxide), Chemical Indicator strips and tape, Biological Indicator, Trays, Endoscope Holders and Tyvek rolls for wrapping instrument trays and medicaldevices.
13. Should provide satisfactory service report from at least 3 users of quoted model preferably government institutions of India.
14. The equipment should be provided with 5 KVA servostabilizer.
15. Supplier should have service center in India with ready availability of spares with in 48hours. Details of nearest service center and all spare parts to be provided with thetender.
16. The Quoted model should be endorsed by US FDA and EuropeanCE.
17. The sterilizer should have inbuild memory to store at least data of 50 cycles and built inprinter

Sch.8
Urodynamic machine with Uroflometry

1. The System should be Imported with all Verified latest certificate like European standardCE.

2. The Complete Urodynamic Patient Module, Pump, PC all should be integrated within thesame Moveable trolley. It should be supplied from manufacturer only. No local trolley should be supplied.
3. The system should have min. 5 channel with inbuilt optional channel forUPP.
4. The system should have 3 –Pressure Channel/ 1-Uroflowmetry Ch. / 1- EMG Ch./ 1 optional channel for Pullar forUPP.
5. The system should have portable & mobile Patientunit.
6. It should have ONE Uroflowmetrychannel.
7. The system should have H2O pump:
   - Pump range : Changeable upto 1 ml/ min to 100 ml/min. The speed of the Pump can be changed in single & multiple steps like 1,2 3 Ml/min.
8. The System should have Weight cell based Uroflowmetry with followingSpecifications:
   - height adjustable UroflowmetryStand
   - Flow range : 0-50 ml/s, Measuring capacity :0-1000ml
9. The System should have Integrated PC should be supplied from Manufacturer only . No Local PC should be supplied. It should be soundless Industrial PC. The Keyboard of the PC should be waterproof & can becleaned.
10. Should be supplied with Micturition stand – voiding studies, height adjustable, removable funnel.
11. Should be supplied with Anorectalmanometrysoftware.
12. Software with Applications : The System should have following Tests:
    - Uroflowmetry
    - Cystometry (Filling &Voiding)
    - EMG
    - Bio-Feedback with GraphicControl
    - All Nomograms : PQ Study & analysis /Schaffer andother
    - **It should be upgradable to U**PP (Profilometry) & Video-Urodynamic Studyanytime.

13. The system should be available with following softwarefeatures:
    - The software should have editable tests so that the user can make their own tests with own parameters.
    - Online & Offline Marking facility should bethere.
    - Replay facility ofGraphs.
    - Different report format.
    - Free text Marking should be there Online/ Offlineboth.
    - System software should have inbuilt DICOM Facility
    - The System should have Inbuilt import/ export facility ofdata.
    - The system should be supplied with Review station (At OPD) to be connected withmain Urodynamic system connected with LAN so that user can see the patient data in his/her OPD.
14. It should be supplied with Micturation chair for femalepatient.
15. Urodynamic system should be supplied with Motorized Patient Couch with different movement through remote control. Should have facility of patient standing, seated, & supine positioning capabilities via hand held control. Should be compatible for doing Video Urodynamics studies. Should have the c-arm access and a wide range of positioning possibilities, make the ideal table for any fluoroscopy procedure. Should have Radiolucent carbon fiber tabletop for head-to-toe imaging.

16. Consumables to be supplied along with Equipment:-
    - Two lumen cystometry catheter – 20nos.
    - Rectal balloon catheter – 10nos.
    - Reusable medex transducer – 9nos.
    - Cable for reusable medex transducer – 3nos.
    - H2o Pump tube – 50 nos.
    - Damping tube – 50nos.

17. The Urodynamic should be supplied with 3D Bladder scanner with following specifications:
    - It Should be supplied by manufacturer of Urodynamic systemonly.
    - 3D volume calculations – PVR saved into Urodynamic applicationautomatically.
    - Manual bladder correction mode.
    - It Should be Real-time, save, easy and non-invasive bladderscanning
    - Auto location and auto tracking of the bladder inreal-time.
    - Full-page reports in JPEG and Dicom

18. Should be supplied with Color DeskjetPrinter

• All above equipment should be **USFDA/European CE approved/BIS** approved (copy of certificate have to be enclosed with thebid)

Sch.9

C-ARM IMAGE INTENSIFIER

Microprocessor controlled C-arm machine should provides the excellent image quality at low radiation, ideally suited for general surgeries in many application fields and special application such as orthopedics, urology, Gastroenterology, pain management, Spine fixation & Neurology.

A) IMAGEINTENSIFIER:

- Image Intensifying Tube: 9 Inches, Triple Field.
- Camera: High Resolution with 1Kx1K image matrix should beprovided.
- Monitors:-
    - (2 Nos): 19" Medical Display monochrome monitors, for Live & ReferenceImage display should beprovided.
    - High end monitor trolley with foldable arms for monitors and actuatordriven height adjustment of monitors should beprovided.

B) C-ARM MOVEMENTS:

1. Rotation: ±180 Degrees.
2. Motorized Up/down: 420mm ormore
3. Horizontal Travel: 200 mm ormore
4. Arc Orbital Movement: 120Degrees.
5. Wig Wag: ±12.5Degrees.
6. Source to Image distance should be more than940mm.
7. Depth of "C" should be at least650mm

C) X-RAY GENERATOR:

1. High Frequency (50 KHz)
2. Output power should be 5KW or more.
3. Fluoro& Rad. Kv 40 to 120 KV.
4. Radiographic mA: 100mA ormore
5. Pulse FluoroscopicmA(Average):-
    - up to 5mA or more (NormalMode)
    - up to 10mA or more (Cine/ High definitionmode)

D) X-RAY TUBE &COLLIMATOR:

- Monoblock tube head having dual focus Rotating anode X-Ray tube of focal spot 0.3mm (small focus) & large focus (0.6mm) should beprovided.
- Anode Heat Storage capacity should be 250kHU ormore.
- Iris & Full Parallel Shutter with Rotation collimators should be provided.
- Laser centering device should be provided as standard with theunit

E) CONTROL:*Control should have thefollowing:*

LCD Display:
A very compact, soft touch control panel(APR with 20X3 (column x rows) LCD display on which KV, mAs, fluoro time, FmA, I.I ZOOM, Error inter lock for KV, filament, thermal are displayed on wide angle LCD.

Console Panel has Following Functions & Indications:

- Machine ON/OFFswitch.
- I.I magnification, I.I field 9", 6" and 4.5" Selectionswitch.
- "Emergency Fluoro" modeprovided.
- In built radio timer that enables to select mAS from 1 to 200 in 23steps forradiography.
- Fluoroscopy timer (Five minute cumulative timer with buzzer that activates after thecompletion of 300seconds of exposure and to reinitiate the exposure reset switch isprovided.
- ABS (Automatic brightness Stabilization) selection for hands freeoperation.
- KV and mAs increase and decreaseswitches.
- X-Ray ON Switch withindicators.
- Switches for up/down movement of "C" on both side ofpanel.
- Emergency OFF Switch on the controlpanel.
- Radio ModeSelection:
- APR Mode (Anatomical programming) that is pre selected parameters are programmed in machines as per body parts selected/to be exposed. APR covers Head, chest, abdomenand extremities.
- Radio and Fluoro Exposure ON Switches onPanel.
- Various Interlocks are displayed on LCD Screen for selfdiagnosis.
  a) KV Interlock
  b) FilamentInterlock
  c) ThermalInterlock
- Image rotation & Image flip horizontal &Vertical

F) MEMORY SYSTEM should include the following:-

- Dedicated PC based Image acquisition software with Image storage capacity of > 50,000Frames.
- Image acquisition, processing & storage in 1k1kmatrix

Operating Modes

- Fluoroscopy
- Boost Flouro/Cine

Pre-Processing Features

- Pulse fluoroscopy facility with Frame rate up to 30fps for flouro& cinemodes.
- Cine loops storage up to 150 frames (Multiple cine Loopsstorage).
- Patient data entry & Patient work list. Emergency Patiententry
- Last Image Hold facility

- Pre-programming of different imaging parameters for different operating modes, as perprocedure & as peruser.
- Frame averaging (Recursive) for smoothing of images real time up to 16frames.
- DICOM 3.0version.

Post processing features.

- Image reversal-Left to Right & Top toBottom
- Image rotation Clock wise & antic clockwise
- Window width (WW) & Window level (WL) adjustment for brightness &contrast.
- Dynamic Zoom with pan
- Image Invert / NegativeImage
- Tile/ mosaic/Thumbnail view for multipleimage
- Frame by frame review of Cineloops
- Copy to 2ndmonitor

Text & Annotation

- Addition oftext
- Addition ofpointer

Measurements Features

- Length / Distancemeasurement
- Areameasurement
- Anglemeasurement

Connectivity & storage Features

- Storage of Images on CD/DVD with inbuilt DICOM viewer software enables to view images on anyPC.
- DICOM 3.0 ready to connect with any DICOM 3.0 modality (like PACS, RIS/HIS/DICOM Printer)
- LAN connectivity to transfer the image to anothersystem.

G) <u>Accessories:</u> Lead Apron- 10 Nos. , Thyroid Guard- 10 Nos.
Adequate number of Portable stands for 10 lead aprons

H) <u>Power requirement:</u>

- The unit should be operable on Single Phase 230 V ± 10% AC, 50Hz
- Suitable rating voltage stabilizer for complete unit should beprovided
- UPS with 15min. backup mounted in trolley for the software should beprovided

I) <u>OTHERREQUIREMENTS:</u>

- The company should be ISO-13485: 2003, ISO-13485: 2012company.
- The quoted model should be USFDA approved/ European CE Certified with Notified BodyNo.
- The unit should be approved byAERB.
- The company should have a Service center inM.P

Sch.10
PCNL Instruments (Nephroscope with forceps and accessories)

Technical Specification:-
Nephroscope with forceps and accessories 24fr-Two

1. Wide-Angle straight forward viewing telescope 6 to 12 deg , with parallel eyepiece, autoclavable, with instrument channel and fiber optic light transmission incorporated.
2. Scope should have large field of view, angle of view 20-30deg
3. Scope should have large working channel 10Fr ormore.
4. Operating sheath 24Fr having swivel irrigation connector with automatic lockingmechanism compatible with abovetelescope.
5. Working length of220-250mm
6. Should be supplied with-
a. Hollow obturator to be used with rotatable sheath for facilitatingcystoscopy-1
b. Adaptor to be required to connect outer sheath of resectoscope to connect ellick evacuatoror Tommeysyringe-1
c. Grasping forceps for stone fragments and coagula, fenestrated jaws, length38cm-2
d. Grasping forceps for large stone fragments and coagula,alligator jaws and spring handle,Length34-38cm-2
e. Grasping forceps for large stone fragments, 3 expanding jaws and small fixation spikes, length 34-38 cm -2
g. Sealing membranes, sealing cap-10 h. Cleaning brush-2
i. Light guide adaptors so that the nephroscope can be connected to any existing branded lightsource of thehospital-1
j. All accessories supplied should be compatible with the supplied nephroscope and as apreference should be from the samecompany.

Nephroscope with forceps and accessories 12fr- 01 No.
1. Nephroscope should have a size of not more than 12Fr.
2. Nephroscope should have an automatic pressure control system so that stones once broken up tosize of 4mm should come out automatically when used with pressureirrigation.
3. Working channel should accommodate instruments upto 5Fr.
4. The angle of view should be 12 degree ormore.
5. It should have an offset eyepiece.
6. Scope should be supplied with non-fitting sheaths which should work as amplatz sheath aswell.-
a. Each sheath should have a one stepdilator.
b. Sheaths should have an option inlength.
c. 3 Sheaths along with one step dilators should be supplied of the following specification 15/16f, 16.5/17.5 french sheath, dilators should have a central channel for guide wire and along with a distal curved channel for placing a safety guide wire along with a central main guidewire.
8. It should be suppliedwith-
a. 5 Fr grasping forceps double actionjaws-2
b. 5 Fr biopsy forceps double actionjaws-1
c. 5 Fr scissor single action jaws should besupplied-1
d. An applicator consisting of sheath and rod so as to use with haemostatic agents like flo-seal and surgiflow-1
Amplatz PCNL Dialator set 8 – 36 Fr – 2no. (from a repute make, USFDA/European CE Certified)
2 part PCNL puncture needle (Diamond tip) – 2, Bevelled tip -2
Amplatzsheeth 18Fr/20Fr/22Fr/24Fr/26Fr/30Fr – four each (from a repute make, USFDA/European CE Certified)

Alken dilator set Thealken serial metal dilator set should include-

1. Alken double barrel needle.2
2. rigid guide rods – 2no.s
3. Telescoping coaxial metal Dilators, entire set form 9Fr to 30Fr.
4. Must have US FDA and CECertificate

- All above equipment should be **USFDA/European CE approved/BIS** approved (copy of certificate have to be enclosed with thebid)

Sch.11
Endoscope accessories specification
(Pneumatic lithotripter Specifications)

- Actively control unit moulded with ABC plasticbody.
- Light weight, compact andmobile.
- Digitally controlled flow and pressure device generates highly accurate pulses in the form of single pulse operating mode and continuous pulse operatingmode.
- It should be able to control power to the hand piece for better stonefragmentation.
- Design of master hand piece and digitally controlled flow should be in a way that provides minimum excursion and bilateral movement of the probe, so it gives safety to endoscope and avoid possible stonemigrations.
- No possibility of heat generation inside, hence; no chance of any thermalinjury.
- Pressure setting knob to set the desired pressure, which also facilitates constant monitoring of pressure bydisplay.
- Single and multiple modeoperations.
- In multiple modes, options available to change the frequency should be at least from 1 pulse/second to 12pulses
- Supply Voltage 230 VA/ 50Hz/± 10 % / Power Consumptions 30 Watts Input Gas Oxygen / Compressed Dry Air 2In Let Pressure (Minimum) (To Control Unit) 4 Kg / Cms 2In Let Pressure (Maximum) (To Control Unit) 6 Kg / Cms 2 Out Let Pressure Indication 0 - 5 Kg / Cm by Digital display Freq. of Impacts Single Pulse Mode, Continuous Pulse Mode with twelve selectable options. Control Unit (Made from rust free molded ABS plastic body) Size : L 195mm X W 240mm X H 125mm Weight : 1930gms
- Hand Piece (Made from Aluminum Alloy) Weight : 105 gms Probe (Made from S.S. Alloy-as perISO-10993
- standard Ureterenoscopy Probe Size : 0.8mm, 1mm, 1.1mm, 1.2mm, 1.4mm, 1.5mm Length : 610mm
- PCNL Probe Size : 2.5mm, 3.0mm Length :450mm
- Lithobridge Probe Size : 1.5mm Length :460mm,

- **AIR COMPRESSOR MUST BE SUPPLIED ALONGWITH**

- Each probe should be provided- 5 nosextra
- Trolly to be supplied along with equipment (metalic) – 1nos

Should be **US-FDA/European CE/ BIS** approved (copy of certificate have to be enclosed with the bid)

Sch.12
Upper & Lower Urinary tract instruments

		QTY
A	It should have following	
	Forward oblique 30-degree telescope, 4mm diameter, autoclavable, length 30cms, fibre optic light transmission incorporated –	2
	Forward oblique 0-degree telescope, 4mm diameter, autoclavable , length 30cms, fibre optic light transmission incorporated.	1
	Cystoscope-Urethroscope sheath, 19/19.5 Fr, with obturator and 2 Luer-lock connectors.	1
	Cystoscope- Urethroscope sheath, 17/17.5 Fr, with obturator and 2 Luer-lock connectors.	1
	Telescope bridge with 1 lockable channel.	2
	Optical grasping forceps, double action jaws for DJ Stent removal	2
	SachseUrethrotome Set- The set should have 21/22 Fr Urethrotome sheath with obturator and channel for Urethrotome working element. There should be a telescope bridge for use with the Urethrotome sheath with a 5 Fr channel for instruments. A supplementary half-moon sheath, that slips on the Urethrotome sheath and is side-open for introduction of the balloon-tipped catheter, should be included. The set should be provided with a passive working element and should have cold knife- 5 No's	1
	Maurmeyer Stone Punch: This set should be compatible with 4mm telescope. The set should have the stone punch-working element and should be provided with compatible punch sheath with visual obturator.	1
	Toomey syringe -100 ml & 150 ml -1 each	2
B	**Saline TUR generator set.**	
	This system should be compatible with following procedures:	
	Saline TUR	
	Bipolar TURP	
	Conventional Monopolar TUR	
	Saline Enucleation of Prostate	
	Open Monopolar	
	Open Bipolar	
	Laparoscopic-Monopolar	
	Laparoscopic-Bipolar	
	Open Vessel sealing	
	Laparoscopic Vessel sealing	
	System should have following features:	
	Output mode: Monopolar, Bipolar and Saline	
	Monopolar cutting: PURE, BLEND	
	Monopolar coagulation: SPRAY	
	Bipolar Cutting: PURE	
	Saline cutting: PURE, BLEND	
	System should have inbuilt vessel sealing capability or should be upgraded to vessel sealing in near future.	
	Saline coagulation: 2 or more different strengths	
	Base Frequency: 350 kHz	
	Protection against electric shock: Class I Type CF	

	Automatic/Compatible Smoke Evacuation facility.	
C	System should include the following	
	Electrosurgical Unit	1 no
	Footswitch	1 no
	Bipolar Passive Working Element	2 No
	Monopolar Passive Working Element	1 No
	Bipolar HF-Cable	2 No
	Monopolar HF-Cable	1 No
	Rotatable Outer sheath, 26 Fr./24Fr, ½ stopcock-1 pcs.	2 No
	Resection Inner Sheath, 24 Fr/22 Fr with obturator and with/without stopcock-1pcs.	2 No
	Two way Irrigation Port for 24 Fr/22Fr sheath for intermittent flow TUR.	1 No
	Compatible visual Obturator-	1 No
D	Should be supplied with compatible electrodes-	
	Monopolar Cutting loop electrode	6
	Monopolar Coagulation roller/loop electrode	2
	Bipolar Cutting Electrode.	12
	Bipolar Collins knife Electrode	2
	Bipolar Button Electrode for plasma Vaporization	6
	Bipolar Enucleation Electrode	6
	Light Guide Cable, 3.5 mm, 3 Meter& adapter	1
	Ellik's Evacuator (1 Pcs).	1
	All instruments should be US-FDA approved (copy of certificate have to be enclosed with the bid)	

Technical specs for URS

No	URS Large	QTY
	It should have the following features:	2
	Direction of View should be 5-7 degree	
	Distal End Outer Diameter should be around 6 - 7 Fr.	
	Working length should be around 400-450mm.	
	Single /Dual working channel- Incorporated/Detachable Instrument Port with sealing system and quick release lock, 2 channels.	
	Working channel diameter should be around 4-5 Fr.	
	Semi-Rigid type.	
	Angled eye piece.	
	Autoclavable.	
	Atraumatic tip design.	
	Built-in maintenance free stop cocks.	
	It should be supplied with following items	
	Self- Sealing Cap	10
	Autoclavable Instrument Tray	2
	Grasping Forceps for stone fragments, double action jaws, 3 Fr- 5Fr, Flexible/rigid, autoclavable, length 55-60 cms-	2
	Grasping Forceps for large stone fragments, double action jaws, 5 Fr, Flexible/rigid, length 55-60 cms	2
	Accessories (for each scope) :	
	Instrument port with sealing system and quick release lock one channel	1
	Instrument port with sealing system and quick release lock two channel	1

	Luer lock tube connector	2
	Teflon ureteric dialator set 6- 18Fr, 60cm (Can be from a repute make)	
	• All above equipment should be USFDA approved (copyof certificate have to be enclosed with the bid)	

Sch.13

Sl. No.	Peripheral Nerve Stimulator(PNS)		
1	Should be suitable to identify peripheral nerves and giving percutaneous stimulation in neuron muscular block.		
2	Should have a percutaneous monopolar/ bipolar stimulating handle for localization of nerves without puncturing the nerve which should be autoclavable/ETO sterilizable		
3	Stimulation current: 0.1-5 mA		
4	Stimulation voltage: 95 V max		
5	Stimulation frequency: 1 Hz / 2 Hz		
6	Impedance measuring range: 1 kΩ – 90 kΩ for target stimulation current > 0.5 mA		
7	Stimulus duration: 0.05 ms – 0.10 ms – 0.30 ms – 0.50 ms – 1.00 ms ±1%		
8	Weight: 300gm or less		
9	Should continuously measure & display actual current passing through the patient and selected current.		
10	Deleted		
11	Should automatically switch off with a acoustic warning if not operated more than 10 minutes .		
12	Should have LCD display for stimulation current/voltage.		
13	Equipment should be European CE with four digit notified body number or US FDA or BIS approved for the quoted model and certificate to be submitted.		
	Should be supplied complete with As per BOQ		
	BOQ	**Qty**	**UOM**
1	Nerve Stimulator as per specification	1	No
2	Plexus Cannula with Thin polymer insulation coating (Teflon coating not desirable) of Length 50mm	10	No
3	Plexus Cannula with Thin polymer insulation coating (Teflon coating not desirable) of Length 100mm	5	No
4	Plexus Cannula with Thin polymer insulation coating (Teflon coating not desirable) of Length150mm	5	No
5	Needles for continuous plexus block of different sizes (total 10 nos.)	1	set

Sch.14

Total hip replacement (THR) set (cemented, uncemented and bipolar)	
	1 set includes :
	Shall be FDA/CE /BIS approved
	Manufacturer should also have ISO certification for quality standards.
	Comprehensive training for OT staff and support services till familiarity with the system on site.
	Documentation
	User/Technical/Maintenance manuals to be supplied in English.
	Compliance report to be submitted in a tabulated and point wise manner clearly

	mentioning the page/para number with authenticated catalogue/manual, without which it will not be considered.
	All instruments should be made of SS 316
	Bidder has to quote all below instruments as a set.
	Uncemented THR instruments (1 No. Each)
S. No.	Item
1	Charnley's Self Retaining retractor
2	Vacuum liner inserter 28 or 22 mm
3	Mechanical liner inserter 22 mm or 28 mm
4	Liner/ shell disassembly instrument
5	Liner extractor
6	Gun sight alignment guide
7	Alignment rod
8	Drill guide
9	Screw driver universal
10	Screw driver straight
11	Modular universal handle
12	Screw forceps 15*
13	Flexible depth guage
14	A Frame Alignment Guide
15	Liner provisional 46x(22or 28mm)
16	Liner provisional 48x(22or 28mm)
17	Liner provisional 50,52,54,56x(22or 28mm)
18	Shell provisional's 46mm
19	Shell provisional's 48mm
20	Shell provisional's 50mm
21	Shell provisional's 52mm
22	Shell provisional's 54mm
23	Shell provisional's 56mm
24	Flexible drill bit 15mm, 30mm and 45mm
25	Impacting plate for shell for various sizes
26	Acetabular cup pusher
27	Impactor lock nut
28	Acetabular cup remover
29	Acetabular reamer 40mm or 42mm
30	Acetabular reamer 44mm
31	Acetabular reamer 46mm
32	Acetabular reamer 48mm, 50,52,54 and 56mm
33	Shaft for Acetabularreamer
34	Coupling handle for shaft
35	Nylon face Impactor
36	Cup Impactor-positioner
37	Screw for left forceps 45*
Uncemented THR	
S. No.	Item
1	Osteotomy guide 9-10mm, 11, 12-13, 14-15
2	Box osteotome small
3	Tapered awl
4	Thandle with chuck
5	Trochanteric reamer

6	IM Reamer 9 to 15mm in 0.5 mm increment
7	Rasp 9,10mm, 11,12,13,14,15mm
8	Rasp alignment tip 9,10,11,12,13,14,15
9	Rasp tip wrench
10	Cal car planer
11	Cone provisional 09/10,11,12/13,14/15
12	Femoral HEAD provisional 22mm
13	Femoral head provisional 28mm
14	Rasp handle
15	Alignment rod
16	Stem Impactor
17	Stem driver/inserter adaptor
18	Extractor hammer
19	Head Impactor
20	Tommy bar
Total Hip Replacement (Cemented) instruments-	
S. No.	Item
1	Osteotomy template
2	Box osteotome
3	Taper reamer
4	Trochanteric reamer
5	Straight reamer9mm
6	Muller Rasp of various sizes
7	Rasp handle
8	Cone provisional
9	Allen medullary plug of various sizes
10	Allen plug introducer
11	Cement restrictor plate and seal
12	Femoral pressuriser plate and seal
13	Muller stem Impactor
14	Stem extractor
15	Head trials 22/28 mm XS
16	Head trials 22/28 mm XM
17	Head trials 22/28 mm XL
18	HEAD Impactor
19	Acetabular reamer of various sizes
20	Shaft for Acetabular reamer
21	Coupling T handle
22	Reamer adapter
23	Acetabular cup trials 43,45,47,49,51,53,55,57,59
24	Cup pusher cum positioner
25	Alignment rod
26	Pusher rod with plastic head 22 and 28 mm
27	Acetabular preparation drill with stop 9,11,13mm
28	Stem holder
29	Bone cement gun: Cartridge Type, Clear Cartridge-disposable Blade, Two-speed injection gun, large selection of nozzles, Up to 3 batch capacity for any application

Sch.15

Set for knee replacement (Cemented)

	01 Nos
	Shall be FDA/CE/BIS approved
	All instruments should be made of SS 316
	Bidder has to quote all below instruments as a set.
S. No.	Item
1	Intramedullary Drill w/Step
2	IM Femoral A/P Sizing Guide
3	Universal Handle Peg Driver
4	Intramedullary Alignment Guide 9 & 4 Inches
5	Anterior Femoral Cutting Guide 1x2
6	Rotational Alignment Guide
7	IM Distal Femoral Cutting Guide
8	IM Femoral A/P Measuring Guide
9	IM Femoral Finishing Guide of various sizes
10	Trochlear Recess Finishing Guide of various sizes
11	Notch / Chamfer Guide of various sizes
12	Alignment Rod, Alignment rod with Coupler
13	Extramedullary Alignment Arch
14	Femoral Trial Left and Right of various sizes
15	Universal Femoral File
16	IM Femoral Impactor
17	Spacer/Align Guide of various sizes
18	Femoral Provisional Extractor
19	T. Handle with Chuck
20	ExtramedullaryTibial Cutting Guide
21	Universal Ligament Retract Spring
22	Tibial Depth Resection Gauge 1 nos
23	Femoral Recutter 1 nos
24	Stemmed Tibial Sizing Plates of various sizes
25	Tibial Provisional / Holding Clamp 1 nos
26	Cemented stemmed drill guide on e
27	Cemented stemmed tibial drill
28	Stemmed tibial broaches of various sizes
29	Tibial provisional extractor
30	TibialImpactor
31	Stemmed tibial provisional Impactor
32	Short spring screws pins
33	Grooved shout head holding pins
34	Holding pins
35	Headless holding pin
36	Hexhead holding pins
37	Tibial resection guide
38	Articular surface insertion instrument
39	Articular surface removal instrument
40	Female hex driver/extractor
41	Patella tendon retractor
42	Hex head screwdriver
43	Holding pin plier
44	Patellar clamp
45	Patellar drill guides
46	Patellar saw guide

47	Patellar/femoral drill
48	Patella trials of various sizes
49	Female hexa screw driver
50	Varus / valgus tibialrecutter
51	LPS Articular Surface provisional locking screw
52	Stemmed tibial plate provisional of various sizes
53	Townley femur caliper
54	Tibial retractor
55	Slap hammer
56	Bone screw drill 3.2mm
57	Recutter 2mm
58	A/Surface trial of various sizes

Sch.16

Sl. No	**Interlocking Nailing Set for Long Bones**	
1	The instruments quoted should be of high quality and standard	
2	Instrument should be European CE or USFDA or BIS approved & copy to be enclosed	
3	Bidder has to quote all the Instruments as a set and rate for each Instrument should be quoted	
4	The instruments must be ISO certified and copy to be enclosed.	
5	The part number and name of manufacturer should be engraved / **laser marked on the each instrument(Should be covered in warranty and should be changed)**	
6	Dimension mentioned is approx only.	
7	Material – titanium (Instruments)	
8	Demonstration of the Set is must.	
Sl No	**Name of the Item**	**Qty**
1	Drill Bit, 3.2mm dia., L 225/200mm for quick coupling	2
2	Holding Sleeve, large, L 120mm	1
3	Screwdriver, hexagonal, large, L 280mm	1
4	Pin Wrench, 4.5mm, L 120mm	1
5	Combination Wrench, 11/14mm, L 150mm	1
6	Awl, small, L 210mm	1
7	Tissue Protector, L 140mm	1
8	T-Handle with quick coupling, L 85mm	1
9	universal Nail & screw removing kit	1
10	Hand Reamer, 8.0mm dia., for predrilling in pseudarthroses	1
11	Reaming Rod, 2.5mm dia., L 950mm, 3.5mm olive	1
12	Flexible Shaft, 7-13mm with 0.5mm increments dia., reaming depth to 470mm	1 each
13	Cleaning Brush for 3.6mm Flexible Shaft, L 600mm	]
14	Reduction Head, straight	1
15	Reduction Head, displacement 2.5mm	1
16	Reamer Head, 8.5mm dia.	1
17	Reamer Head, 9.0mm dia.	1
18	Reamer Head, 9.5mm dia.	1
19	Reamer Head, 10.0mm dia.	1
20	Reamer Head, 10.5mm dia.	1
21	Reamer Head, 11.0mm dia.	1
22	Reamer Head, 11.5mm dia.	1

23	Reamer Head, 12.0mm dia.	1
24	Reamer Head, 12.5mm dia.	1
25	Reamer Head, 13.0mm dia.	1
26	Reamer Head, 13.5mm dia.	1
27	Guide Rod, 3.0mm dia., with flat tip	1
28	Socket Wrench 11mm, cannulated, L 180mm	1
29	Driving Piece, curved, L 120mm	1
30	Driving Head	1
31	Guide Rod, cannulated, L 455mm	1
32	Ram	1
33	Grip, flexible, L 170mm	1
34	Insertion Handle, for Tibial Nails 9.0 to 14.0mm dia.	1
35	Threaded Bolt, conical, for Tibial Nails 9.0 to 14.0mm dia.	1
36	Knurled Nut for Tibial Nails 9.0 to 12.0mm dia.	1
37	Insertion Handle, for Femoral Nails 9.0 to 12.0mm dia.	1
38	Threaded Bolt, conical, for Femoral Nails 9.0 to 12.0mm dia	1
39	Knurled Nut for Femoral Nails, 9.0 to 13.0mm dia.	1
40	Protection Sleeve 11.0/8.0, L 96mm	1
41	Drill Sleeve 8.0/4.5	1
42	Insert Drill Sleeve 3.2	1
43	Trocar 8.0mm dia., L 110mm	1
44	Depth Gauge for Locking Bolts	1
45	Drill Bit, 4.0/4.5mm dia., L 225/200mm, for quick coupling	2
46	Holding Forceps for Reaming Rod 2.5mm	1

Sch.17

	Simple Operation Table
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:**(Tolerance of ±5% acceptable)**
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: 600 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
5	**Standards & Safety**
5.1	Should be US-FDA or European CE with 4 digit notified body number or Declaration of conformity for quoted model along with ISO 13485 or BIS certified for the quoted model
5.2	Manufacturer and supplier should be ISO 13485 certfied for quality standards

Sch.18

ENT Surgery set		
SI NO.	**Description**	**Quantity**
1	Chisel, 2mm. Jenkins. 14cm/5.5".	02 Nos.
2	Chisel, 4mm. Jenkins. 14cm/5.5".	02 Nos.
3	Chisel, 8mm. Jenkins. 14cm/5.5".	02 Nos.
4	Gouge, 2mm. Jenkins. 14cm/5.5"	02 Nos.
5	Gouge, 4mm. Jenkins. 14cm/5.5".	02 Nos.
6	Gouge, 8mm. Jenkins. 14cm/5.5".	02 Nos.
7	Mallet. OD 20mm. 100gms. 16.5cm/6.5".	02 Nos.
8	Nibbler/Rongeur, S/A. Lempert. 3mm-Jaw.Straight 19cm/7.5"	03 Nos.
9	Punch/Rongeur. Kerrison. 2mm-Up Bite. 9cm/3.25".	02 Nos.
10	Punch/Rongeur, Kerrison. 4mm Up Bite. 9cm/3.25".	02 Nos.
11	Curette, No:4/0. Lempert. Hollow handle. 21cm/8.25".	04 Sets
12	Curette, No:2/0. Lempert. Hollow handle. 21cm/8.25".	04 Sets
13	Curette, No:1.Lempert. Hollow handle. 21cm/8.25".	04 Sets
14	Seeker, Dundas-Grant. 15cm/6".	03 Nos.
15	Raspatory/Rugine. Lempert. 5mm. 16cm/6.5".	04 Nos.
16	Elevator, Farabeuf. 8mm. Straight 15cm/6".	04 Nos.
17	Elevator, Farabeuf. 8mm. Curved 15cm/6".	04 Nos.
18	Retractor, Mollison. 2x2 Prong-Sp. Curved13cm/5.25".	03

		Nos.
19	Retractor, Mollison. 4x4 Prong-Sp. Curved16cm/6.25".	06 Nos.
20	Retractor, Plester-Jansen. Right-Solid Blade 14cm/5.5"	03 Nos.
21	Retractor, Plester-Jansen. Left-Solid Blade 14cm/5.5"	03 Nos.
22	Suction Tube. Frazier/Lempert. Set of 4. 1mm St-4mm. Length 19cm/7.5".	06 Nos.
		06 Nos.
		06 Nos.
		06 Nos.
23	Suction/Irrigation Tube. Fisch/House. 4.0mm x 2.5mm/12 x 8Ch. Length 16cm/6.5"	03 Nos.
24	Ear Specula. Hartmann. Set of 3. í3/4/5mm. Black. 3.5cm.	06 Nos.
25	Ear Specula. Heath. Set of 4. í4/5/6/7mm 5cm	03 Nos.
26	Eustachian Catheter, Kramer/Hartmann. í2mm/6 Tip. 14cm/5.5".	03 Nos.
27	Jobson Horne Probe, D/E. Serrated. Tip & smooth Straight Ring. 14cm/5.5".	06 Nos.
28	Hook, Cerumen/Wax. K E M. 15cm/6".	03 Nos.
29	Loop, wire. 3mm. Billeau. 16cm/6.5".	03 Nos.
30	Curette, Buck. 2mm. Straight Sharp.15cm/6".	03 Nos.
31	Curette, Buck. 3.5mm. Straight Sharp.15cm/6".	03 Nos.
32	Myringotome. Sexton. with protective sleeve.18cm/7".	03 Nos.
33	Myringotome, Upward Cutting. TrautmannBynt. 18cm/7".	03 Nos.
34	Forceps, Aural, 1x2 Tth., Wilde. 12cm/5"	06 Nos.
35	Forceps, Aural, Serrated tips. Wilde. 12cm/5"	06 Nos.
36	Forceps, Hartmann. Fine. 55mm. Length 12.5cm/5".	06 Nos.
37	Forceps, Tilley. Fine. 55mm. Length 12.5cm/5".	06 Nos.
38	Forceps, Granulation. Heath. 8cm/3.25" .	06 Nos.
39	Forceps, Crocodile, Fine 1x2 Jaws, Hartmann. 8cm/3.25"	12 Nos..
40	Forceps, Crocodile. 2mm. Cup Jaws.Hartmann. 8cm/3.25".	06 Nos.
41	Forceps, Ear. Crocodile. Fenestrated Cup Jaw. Henckel/Struempel. 8cm/3.25".	06

		Nos.
42	Forceps, Crocodile, Grunwald. Punch Action Jaw. Hartmann. 8cm/3.25".	06 Nos.
43	Snare, Aural, Ballance/Krause. 15cm/6".	01 No.
44	Snare, Wire. Aural. SS. 36 S.W.G.Pkt. of 12.	01 No.
45	Retractor, Plester. 2 Prong X Right-Solid blade.11cm/4.5"	03Nos.
46	Retractor, Plester. 2 Prong X Left-Solid blade.11cm/4.5".	03Nos.
47	Retractor, Endaural. Lempert. With 2Pair Blades and 1 Temporal Muscle Blade9cm/3.5"	- 03Nos.
48	Speculum, Endaural. Lempert/Storz. 14cm/5.5"	03Nos.
49	Holmgren Ear Speculum. S/R. Black. 6mm.	03Nos.
50	Holmgren Ear Speculum. S/R. Black. 7mm.	03Nos.
51	Rosen Slotted Speculum. Round. 4mm.Black. 38mm.	03Nos.
52	Rosen Slotted Speculum. Round. 5mm.Black. 38mm.	03Nos.
53	Rosen Slotted Speculum. Round. 6mm.Black. 38mm.	03Nos.
54	Rosen Slotted Speculum. Round. 7mm.Black. 38mm.	03Nos.
55	ZoellnerRaspatory. Curved Rt. 7.5cm.	2set
56	ZoellnerRaspatory. Curved Lt. 7.5cm.	2set
57	Zoellner Arrowhead. Curved Rt. 7.5cm.	2set
58	Zoellner Arrowhead. Curved Lt. 7.5cm.	2set
59	Zoellner Sickle Knife. Up cutting. 7.5cm.	2set
60	Zoellner Sickle Knife. Down cutting. 7.5cm.	2set
61	ZoellnerRaspatory/Hook. Up. 7.5cm.	2set
62	ZoellnerRaspatory/Hook. Down 7.5cm.	2set
63	Zoellner Pick. 0.5mm. Up. 7.5cm.	2set
64	Zoellner Pick. 0.5mm. Down 7.5cm.	2set
65	Zoellner Pick. Straight 7.5cm.	2set
66	Shea Incising Knife. Matted 17cm.	2 each
67	Shea Curette. Matted 17cm.	2 each
68	Shea Elevator. Lt. Matted 17cm.	2 each
69	Shea Elevator. Rt. Matted 17cm.	2 each
70	Shea Pick. Sharp. Curved Matted 17cm.	2 each
71	Shea Fenestra Hook. 25ø Angle. Matted 17cm.	2 each
72	Shea Fenestra Hook. 45ø Angle. Matted 17cm.	2 each
73	Shea Fenestra Hook. 90ø Angle. Matted 17cm.	2 each
74	Shea Fenestra Hook. 90ø Angle. Short. Matted17cm.	2 each
75	Shea Pick. 90ø Angle. Blunt. Matted 17cm.	2 each
76	Shea Anterior Crurotomy Knife. Matted 17cm.	2 each
77	Rosen Knife. Matted 16cm.	03 Nos.
78	Rosen Elevator. 3mm. Bayonet Shaft. Matted 20cm.	03 Nos.
79	Rosen Elevator, for drum. Matted 16cm.	03 Nos.
80	Rosen Mobiliser. 1.5mm. 2nd Matted 16cm.	03 Nos.
81	Rosen Curette. 3/0. Oval. Matted 16cm.	03 Nos.
82	Rosen Curette. 2/0. Oval. Matted 16cm.	03 Nos.
83	Plester Flap Knife. Oval. Vertical. 2mmWx4mmL. Matted 16cm.	03

		Nos.
84	Plester Flap Knife. Oval. Vertical. 2.5mmWx3.5mmL. Matted 16cm.	03 Nos.
85	Plester Flap Knife. Oval. Vertical. 2.5mmWx4.5mmL. Matted 16cm.	03 Nos.
86	Plester Sickle Knife. Double Edge. Slightly. Curved Matted 16cm.	03 Nos.
87	Sickle Knife. Kley. Straight Matted 16cm.	03 Nos.
88	Sickle Knife. 6mm. Curved Matted 16cm	03 Nos.
89	Sickle Knife. 8mm. Curved Matted 16cm.	03 Nos.
90	Round Knife. Straight 1mm. Matted 16cm.	03 Nos.
91	Round Knife. Straight 2mm. Matted 16cm.	03 Nos.
92	Round Knife. 2mm. 45ø. Matted 16cm.	03 Nos.
93	Round Knife. 3mm. 45ø. Matted 16cm.	03 Nos.
94	Round Knife. 1mm. 90ø. Matted 16cm.	03 Nos.
95	Round Knife. 2mm. 90ø. Matted 16cm.	03 Nos.
96	Round Knife with Serrated Edges. 3mm. Matted16cm	03 Nos.
97	Revolving Knife. 3mm-Radial. Schuknecht Matted 16cm.	03 Nos.
98	Revolving Knife. 3mm-Axial. Schuknecht Matted 16cm.	03 Nos.
99	House Elevator. 1mm. Matted 16cm.	03 Nos.
100	Straight, Pick Matted 16.5cm.	06 Nos.
101	Pick, Short-Curved Matted 16.5cm.	06 Nos.
102	Pick, Long-Curved Matted 16.5cm.	06 Nos.
103	Pick, 0.3mm. 45ø. Matted 16cm.	06 Nos.
104	Pick, 0.4mm. 90ø. Matted 16cm.	06 Nos.
105	Pick, 0.6mm. 90ø. Matted 16cm.	06 Nos.
106	Fisch Hook. 0.2mm. Footplate. Matted 16cm	06 Nos.
107	Ball Probe, Goldman. 0.5mm. 45ø. Matted16cm.	03 Nos.
108	Ball Probe, Goldman. 0.8mm. 45ø. Matted16cm.	03 Nos.
109	Ball Probe. 0.8mm. 90ø. Matted 16cm.	03

		Nos.
110	Larkin/Fisch Hand Trephine. 0.8mm. Matted	02 Nos.
111	Larkin/Fisch Hand Perforator. 0.6mm. Matted 7cm.	02 Nos.
112	House Measuring Rods. Set of 4.	02 sets
113	Piston Depth Gauge. Shea. Matted 17.5cm. Piston Depth Gauge. Fisch. Matted16.5cm.	02 Nos.
114	Teflon Piston Cutting Jig.	02 Nos.
115	Curette, House. Straight 1mm/1.5mm. Length15cm.	03 Nos.
116	Curette, House. Straight 2mm/2.5mm. Length15cm.	03 Nos.
117	Curette, House. Ald. 1mm/1.5mm. Length15cm.	03 Nos.
118	Forceps, Bone Nibbling. Wilson. Down Cutting. 15cm.	03 Nos.
119	Forceps, Ossicle/Incus Holding. Derlacki.12cm	06 Nos
120	Forceps, Piston Holding. 6mm. Jaw. Matted 8cm.	02 Nos.
121	Forceps, Crocodile. Serratedated .6mm/3.5mm. JawsStraight Matted 8cm.	03 Nos.
122	Forceps, Crocodile. Serratedated .8mm/4mm. Jaws Straight. Matted 8cm.	03 Nos.
123	Forceps, Crocodile. Serratedated .8mm/4mm. Jaws. Rt.Matted 8cm.	03 Nos.
124	Forceps, Crocodile. Serratedated .8mm/4mm. Jaws.Lt. Matted 8cm.	03 Nos.
125	Forceps, Crocodile. Serratedated .8mm/4mm. Jaws. Up. Matted 8cm.	03 Nos.
126	Forceps, Crocodile. Serratedated .8mm/4mm. Jaws. Down Matted 8cm.	03 Nos.
127	Scissors, Micro Ear. Straight 4mm. Blades Matted 8cm.	06 Nos
128	Scissors, Micro Ear. Curved Rt. 4mm. Blades Matted 8cm.	06 Nos
129	Scissors, Micro Ear. Curved Lt. 4mm. Blades Matted 8cm.	06 Nos
130	Scissors, Micro Ear. Up. 4mm. Blades Matted 8cm.	02 Nos
131	Malleus Nipper, House-Dieter. Upward Matted 8cm.	02 Nos
132	Malleus Nipper. House-Dieter. Downward Matted 8cm.	02 Nos
133	Malleus Nipper. House-Dieter. Right Matted 8cm.	02 Nos
134	Malleus Nipper. House-Dieter. Left Matted 8cm	02 Nos
135	Suction/Irrigation Tube. Fisch/House. 2.5mm x 2.0mm/ 8 x 6Ch. Length 16cm/6.5".	06 Nos
136	Suction Tube, Zoellner. 2mm. Length 15cm/6".	10 Nos
137	Suction Tube, Wullstein. 2mm. Length 14cm/5.5"	10 Nos
138	Adaptor, House/Fisch with cut-off. Luer.5.5cm.	03 Nos
139	Adaptor, Wullstein with cut-off hole. Luer cone. 10cm.	03 Nos
140	Cannula, Verhoeven. .3mm/26G. Luer. 7.5cm.	06 each
141	Cannula, Verhoeven. .4mm/25G. Luer. 7.5cm.	06 each
142	Cannula, Verhoeven. .7mm/22G. Luer. 7.5cm.	06 each

143	Cannula, Verhoeven. 1.0mm/19G Luer. 7.5cm.	06 each
144	Cannula, Verhoeven. 2mm/14G. Luer. 7.5cm.	06 each
145	Cannula, Verhoeven. 2.6mm/12G. Luer. 7.5cm.	06 each
146	Facia graft press	01 No.
147	Micro instrument tray- SS with Silicon sheet	02 Nos.
148	Pick-straight	2
149	70 Angled	2
150	Perforator	2
151	Measuring rod	2
152	Prosthesis crimper	2
153	Cartilage Slicer	2
154	Vein Graft Holder	2
	Note for Instruments sets	
	TITANIUM INSTRUMENTS :	
1	All Instruments should be of international quality and made from surgical grade titanium.	
2	The “Hinges” should be rust proof	
3	The instruments should be guaranteed against metal fatigue and rust for atleast 02 years. Further repair should be available for next 5 years.	
4	The instruments surface should be non-reflective.	
5	The brand name along with catalogue number should be etched on the instruments.	
6	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.	
7	Satisfactory Performance Certificate from a Central Government Hospital (AIIMS, PGI, SGPGIetc.) is mandatory.	
8	The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality.	
	STAINLESS STEEL INSTRUMENTS :-	
1	All Instruments should be of imported and made from surgical grade stainless steel. Documentary evidence required for grade of material.	
2	The “Hinges” should be rust proof	
3	The instruments should be guaranteed against metal fatigue and rust for 02 years.	
4	The instruments surface should be non-reflective.	
5	The brand name along with catalogue number should be etched on the instruments.	
6	The instrument should be CE or FDA or BIS approved.	
7	The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality..	
	Septo- Rhinoplasty Set	
1	Retractor, Nasal. Aufricht. 4cm. Blade.16.5cm/6.5.	2
2	Retractor, Nasal. Aufricht. 6cm. Blade.16.5cm/6.5".	2
3	Retractor, Kilner. Alae. 2 Prongs. Sharp. 10mm wide. 10cm/4".	2
4	Retractor, Kilner. Alae. 2 Prongs. Sharp. 13mm wide. 10cm/4".	2
5	Retractor, Fomon/Joseph. 2 Prongs-Ball tipped. 10mmW. Length 16cm/6.25".	2
6	Retractor. Cottle. 2 Prongs-Sharp. 12mmW. Length 14cm/5.5".	2
7	Retractor. Cottle. 2 Prongs-Lt. Sharp.12mmW. Length 14cm/5.5".	2
8	Retractor. Cottle. 4 Prongs. Blunt.10mmW. Length 14cm/5.5”.	2

9	Retractor, Alar. Cottle.13mmWx22mmD.15cm/6".	2
10	Hook, Tenaculum. Shallow Curved , 15cm/6".	2
11	Hook, Tenaculum. Deep Curved , 15cm/6".	2
12	Hook. Skin. 2mm. Gillies. 16cm/6.25".	6
13	Hook. Skin. 4mm. Gillies. 16cm/6.25".	6
14	Hook. Skin. 2mm. Mcindoe. 19cm/7.25".	2
15	Hook. Skin. 3mm. Mcindoe. 19cm/7.25".	2
16	Hook. Skin. 4mm. Mcindoe. 19cm/7.25".	2
17	Knife, Joseph. Button end. Straight 15cm/6"	2
18	Skin Grafting Handle. Rt. Hand. Watson-modification; with 20 Blades.	2
19	Spare Blades for Skin Graft Knives.Sterile.	2
20	Elevator, Farabeuf. 8mm. Curved 15cm/6".	2
21	Elevator, Septum. Masing. D/E. 22cm/8.75	2
22	Forceps , Adson. 1mm. Cross.Serratedated . 12cm/4.75"	4 each
23	Forceps , Adson. 1mm. 1x2 Tth. 12cm/4.75"	4 each
24	Forceps , Adson. 1.5mm. Serratedated 12cm/4.75"	4 each
25	Forceps , Adson. 1.5mm. 1x2 Tth. 12cm/4.75"	4 each
26	Fine Operating/Iris Scissors, SS. Straight 9cm/3	4 each
27	Fine Operating/Iris Scissors, SS. Curved 9cm/3.5".	4 each
28	Joseph Scissors, SS. Straight 14cm/5.5".	2 each
29	Joseph Scissors, SS. Curved 14cm/5.5".	2 each
30	Metzenbaum Scissors, Straight 10cm/4".	4 each
31	Metzenbaum Scissors, Curved 10cm/4".	4 each
32	Metzenbaum Scissors, Straight 12.5cm/5".	4 each
33	Metzenbaum Scissors, Curved 12.5cm/5".	4 each
34	Scissors, Reynolds. . 13cm/5.25".	4 each
35	Scissors, Reynolds. . 15cm/6".	6 each
36	Jameson Scissors. . 14cm/5.5".	6 each
37	Chisel. 6mm. Cottle. Graduated. 18cm/7.25".	2 each
38	Chisel. 7mm. Cottle. Graduated. 18cm/7.25".	4 each
39	Chisel. 9mm. Cottle. Graduated. 18cm/7.25".	2 each
40	Chisel. 12mm. Cottle. Graduated. 18cm/7.25".	2 each
41	Chisel. Fishtail. 16mm. Cottle. 18cm/7.25".	2 each
42	Osteotome. Walter. 2mm. 19cm/7.25".	2 each
43	Osteotome. Walter. 3mm. 19cm/7.25".	2 each
44	Osteotome. Walter. 4mm. 19cm/7.25".	2 each
45	Osteotome. Walter. 7mm. 19cm/7.25".	2 each
46	Osteotome. Walter. 9mm. 19cm/7.25".	2 each
47	Osteotome. Walter. 12mm. 19cm/.25".	2 each
48	Chisel, Nasal. McIndoe. 11mm. 16cm/5.5".	2 each
49	Chisel, Nasal. McIndoe. 13mm. 16cm/5.5".v	2 each
50	Chisel, Nasal. Silver/Masing. Straight18cm/7".	2 each
51	Chisel, Nasal. Silver/Masing. Cvd.Rt. 18cm/7".	2 each
52	Chisel, Nasal. Silver/Masing. Cvd.Lt. 18cm/7".	2 each
53	Walsham forceps Right	2nos
	Walsham forceps Left	2 nos
54	Ash forceps	2
55	Ballenger swivel	4
56	Kerrison'srongeur (Small & large)	4 nos
		4 nos
57	Luc's forceps –small	4

58	Nasal Scissors straight	4 nos
	Nasal Scissors curved	4 nos
59	Nasal gouge	4
60	Mallet -100g	2
61	Bone Nibbler (single action & double action)	4 nos
		4 nos
	Note for Instruments sets	
	TITANIUM INSTRUMENTS :	
1	All Instruments should be of international quality and made from surgical grade titanium.	
2	The "Hinges" should be rust proof	
3	The instruments should be guaranteed against metal fatigue and rust for atleast 02 years. Further repair should be available for next 5 years.	
4	The instruments surface should be non-reflective.	
5	The brand name along with catalogue number should be etched on the instruments.	
6	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.	
7	Satisfactory Performance Certificate from a Central Government Hospital (AIIMS, PGI, SGPGI etc.) is mandatory.	
8	The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality.	
	STAINLESS STEEL INSTRUMENTS :-	
1	All Instruments should be of imported and made from surgical grade stainless steel. Documentary evidence required for grade of material.	
2	The "Hinges" should be rust proof	
3	The instruments should be guaranteed against metal fatigue and rust for 02 years.	
4	The instruments surface should be non-reflective.	
5	The brand name along with catalogue number should be etched on the instruments.	
6	The instrument should be CE or FDA or BIS approved.	
7	The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality.	
	Tonsillectomy & Adenoidectomy Set	
1	Mouth Gag, Frame-Davis Boyle; with Fixed Teeth Plate. Complete with 3 Tongue Blades. Child.	2
2	Mouth Gag, Frame-Davis Boyle; with Fixed Teeth Plate. Complete with 5 Tongue Blades. Child	2
3	Mouth Gag, Frame-Davis Meyer; with Sliding Teeth Plate. Complete with 5 Tongue Blades. Adult.	2
4	Mouth Gag, Frame-Davis Boyle; with Fixed Upper Teeth Plate. Complete with 5 slottedDoughty blades. Adult.	2
5	Draffin Bipod, with 4 Rings. 48cm/19".	2
6	Negus Jack/Chest Support with rack action.	2
7	Forceps, Tonsil holding. Denis Browne. Small. 18cm/7".	2
8	Forceps, Tonsil Holding. Denis Browne. Large. 20cm/8".	2
9	Tonsil Dissector & Pillar Retractor. Beavis. 20cm/8".	2
10	Tonsil Dissector 9mmW & Pillar Retractor. Hurd. 20cm/8".	2
11	Remington Hobb Diathermy Forceps. Serratedated. Straight 25cm/10".	2
12	Forceps, Tonsil Artery. Birkett/Schnidt. 2nd Curved. 19cm/7.5".	2
13	Forceps, Tonsil Artery. Negus. 1 Curved. 19cm/7.5".	2
14	Forceps, Tonsil Artery. Negus. 2 Curved. 19cm/7.5".	2

15	Forceps, Tonsil Artery. Wilson. D Curved. 19cm/7".	2
16	Snare, Tonsil. Eves. Sliding Action. 28cm/11".	2
17	Snare Wire. Tonsil. 24 SWG. Packet oí 12.	2
18	Needle, Suturing. Tonsil. Irwin Moore. Curved Rt. 20cm/8".	2
19	Needle, Suturing. Tonsil. Irwin Moore. Curved Lt. 20cm/8".	2
20	Pusher/Knot tier. Negus. 20cm/8". Curette, Adenoid; with cage. St. Clair Thomson. CP/SS Handle. 8mm, 24cm/9.25".	2
21	Curette, Adenoid; with cage. St. Clair Thomson. CP/SS Handle. 10mm, 24cm/9.25".	2
22	Curette, Adenoid; with cage. St. Clair Thomson. CP/SS Handle. 12mm, 24cm/9.25".	2
23	Curette, Adenoid; with cage. St. Clair Thomson. CP/SS Handle. 14mm, 24cm/9.25".	2
24	Curette, Adenoid; with cage. St. Clair Thomson. CP/SS Handle. 16mm, 24cm/9.25".	2
25	Curette, Adenoid; with cage. St. Clair Thomson. CP/SS Handle. 18mm, 24cm/9.25".	2
26	Forceps, PeritonsillarAbcess. St. Clair Thomson/Quincy.	2
27	Cannula, Suction. Yankauer. CP. 27cm	2
28	Tongue Depressor. Lack. Set of 3.	2
29	Tongue Depressor. Flat. 12.5cm./5".	2
30	Tongue Depressor. Flat. Dcv. 18cm/7".	2
31	Forceps , Swab Holding. Krause. 28cm/11".	2
32	Negus Jack/Chest Support with rack action.	2
33	Uvula Retractor	2
34	Bayonett forceps	2
	(b) Set for nasal bone fracture	
1	Asch forceps	2
2	Walsham forceps	2
3	St.Clair Thompson Nasal Speculum	2
4	Killian Long bladed Nasal speculum	2
	Note for Instruments sets	
	TITANIUM INSTRUMENTS :	
1	All Instruments should be of international quality and made from surgical grade titanium.	
2	The “Hinges” should be rust proof	
3	The instruments should be guaranteed against metal fatigue and rust for atleast 02 years. Further repair should be available for next 5 years.	
4	The instruments surface should be non-reflective.	
5	The brand name along with catalogue number should be etched on the instruments.	
6	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.	
7	Satisfactory Performance Certificate from a Central Government Hospital (AIIMS, PGI, SGPGI etc.) is mandatory.	
8	The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality.	
	STAINLESS STEEL INSTRUMENTS :-	
1	All Instruments should be of imported and made from surgical grade stainless steel. Documentary evidence required for grade of material.	
2	The “Hinges” should be rust proof	
3	The instruments should be guaranteed against metal fatigue and rust for 02 years.	
4	The instruments surface should be non-reflective.	
5	The brand name along with catalogue number should be etched on the instruments.	
6	The instrument should be CE or FDA or BIS approved.	

7	The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality..	
	Tracheostomy set - 4 Sets of Below Items	
	Each sets includes -	
1	Mosquito artery forceps, Curved	4
2	Mosquito artery forceps, Straight	4
3	Medium sized artery forceps straight	4
4	Medium sized artery forceps curved	4
5	Langenback's retractor, small	4
6	Langenback's retractor, Large	2
8	Forceps, Tracheal Dilating. Child. 12cm/4.75".	2
	Forceps, Tracheal Dilating. Adult.	2
9	Tracheostomy Tube, Chevalier Jackson.Silver Plated. 20 Fr.	2
10	Tracheostomy Tube, Chevalier Jackson.Silver Plated. 32 Fg.	2
11	Tracheostomy Tube, Chevalier Jackson.Silver Plated. 34 Fg.	2
12	Tracheostomy Tube, Fuller. 18Fg.	2
13	Retractor, Single hook. Sharp. 16cm/6.25". Also for Tracheostomy.	2
14	Retractor, Single hook. Blunt. 16cm/6.25". Also for Tracheostomy.	2
15	Retractor, Double hook. Sharp. 16cm/6.25".Also for Tracheostomy.	2
16	Retractor, Double hook. Blunt. 16cm/6.25". Also for Tracheostomy.	2
17	Needle Holder	2
18	Tissue holding forceps (Plain and tooth)	2 nos
		2 nos
19	BP Handle (Size- No: 3)	2
20	Sponge Holding forceps	2
21	Cricoid Hook(Single prong and Double prong)	2 nos
	Note for Instruments sets	
	TITANIUM INSTRUMENTS :	
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2	The "Hinges" should be rust proof	
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6	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.	
7	Satisfactory Performance Certificate from a Central Government Hospital (AIIMS, PGI, SGPGI etc.) is mandatory.	
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	STAINLESS STEEL INSTRUMENTS:-	
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4	The instruments surface should be non-reflective.	
5	The brand name along with catalogue number should be etched on the instruments.	
6	The instrument should be CE or FDA or BIS approved.	
7	The instruments might be call for demonstration and approval. It is the sole discretion	

	of the department to approve or disapprove the quality..	
	INSTRUMENTS FOR MICROLARYNGEAL SURGERY (MLS)	
1	Operating laryngoscope Adult size-18cm- Large	2
2	Operating laryngoscope Adult size-18cm-Medium	2
3	Anterior commissure scope Adult size-22cm	1
4	Crico –Pharyngoscope	1
5	Laryngoscope – Pediatric	1
6	Laryngoscope holder and chest support for use with above laryngoscopes Adult size (ring 9.5 cm, rod 34 cm)	2
7	Laryngoscope holder and chest support Child size (ring 9.5 cm. Rod 24 cm)	1
8	Fiber optic light carrier to fit in operating laryngoscopes Adult size	2
9	Fiber optic light carrier to fit in operating laryngoscopes Child size	2
10	Straight forward wide angle telescope-4mm 30cm length- 0º angle, autoclavable with attached handle	1
11	Fiber optic light cable, fully autoclavable 4.9mm-180cm with adapters for use with light source and above scopes	2
12	Laryngeal cutting forceps-23 cm 2mm round cupped jaws, straight	2
13	Laryngeal cutting forceps-23 cm 2mm round cupped jaws, angular upwards	2
14	Laryngeal cutting forceps-23 cm 2mm round cupped jaws, bent to right	2
15	Laryngeal cutting forceps-23 cm 2mm round cupped jaws, bent to left	2
16	Laryngeal artery forceps with rachet-23 cm Serrated, straight	1
17	Laryngeal alligator forceps-23 cm Serrated –straight	2
18	Laryngeal alligator forceps-23 cm Serrated -bent to right	1
19	Laryngeal alligator forceps-23 cm Serrated -bent to left	1
20	Laryngeal scissors-23 cm Straight	3
21	Laryngeal scissors-23 cm Angular 45º up	2
22	Laryngeal scissors-23 cm Bent to right	2
23	Laryngeal scissors-23 cm Bent to left	2
24	laryngeal scissors-23 cm Straight, horizontal cutting	2
25	Laryngeal forceps-23 cm Round cupped jaws 5 mm, straight, double action	2
26	Laryngeal grasping forceps for arytenoids-23 cm	1
27	Laryngeal biopsy forceps-23 cm Oval cup shaped jaws	2
28	Laryngeal needle holder with ratchet	1
29	Atraumatic vocal cord retractor-23 cm Self retaining with rachet	1
30	Arnold vocal cord holding forceps-23 cm Triangular jaws, for right side	1
31	Arnold vocal cord holding forceps-23 cm Triangular jaws, for left side	1
32	Laryngeal knife-23cm Straight cutting	3
33	Laryngeal knife-23cm Sickle shaped, curved	2
34	Laryngeal knife-23cm Round vertical cutting	2
35	Laryngeal hook-23 cm Blunt	1
36	Laryngeal hook-23 cm Sharp	1
37	Laryngeal needle-23 cm Curved to right	2
38	Laryngeal needle-23 cm Curved to left	2
39	Laryngeal elevator with suction channel-23 cm	1
40	Laryngeal knot tier-23 cm	1
41	Laryngeal hook, blunt with probe end	2
42	Instrument handle For use with item No 30to 38 mentioned above	1
43	Laryngeal suction tube (micro laryngeal) –25 cm Diameter 2 mm	3
44	Laryngeal suction tube (micro Laryngeal) –25 cm Diameter 3mm	3
45	Laryngeal insulated canula-25 cm 3 mm O.D. for suction and coagulation	2
46	Laryngeal cotton wool carrier-25 cm Straight, serrated	2

47	Bipolar electrode –3 mm, length 23 cm With removable suction tube	1
48	Cable for bipolar forceps-5 m long	1
49	Injection Needle, Leus lock, straight	2
50	Teeth protector one metallic and one silicon (autoclavable)	1 each
51	Laryngeal Biopsy forceps 3x4mm, 20-25cm	2
52	FB forceps	2
	INSTRUMENTS FOR MICROLARYNGEAL SURGERY (MLS) All accessories should be from the same manufacturer and should be European CE/ US FDA / **BIS approved**	
	Note for Instruments sets	
	TITANIUM INSTRUMENTS :	
1	All Instruments should be of international quality and made from surgical grade titanium.	
2	The "Hinges" should be rust proof	
3	The instruments should be guaranteed against metal fatigue and rust for atleast 02 years. Further repair should be available for next 5 years.	
4	The instruments surface should be non-reflective.	
5	The brand name along with catalogue number should be etched on the instruments.	
6	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.	
7	Satisfactory Performance Certificate from a Central Government Hospital (AIIMS, PGI, SGPGI etc.) is mandatory.	
8	The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality.	
	STAINLESS STEEL INSTRUMENTS :-	
1	All Instruments should be of imported and made from surgical grade stainless steel. Documentary evidence required for grade of material.	
2	The "Hinges" should be rust proof	
3	The instruments should be guaranteed against metal fatigue and rust for 02 years.	
4	The instruments surface should be non-reflective.	
5	The brand name along with catalogue number should be etched on the instruments.	
6	**STAINLESS STEEL INSTRUMENTS** The instrument should be CE or FDA or BIS approved.	
7	The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality..	
	General Instruments for ENT (Head & Neck)	
1	BP Handle	2 Nos.
2	Skin hooks(single and Double)	4 nos
		4 Nos.
3	Langenbeck right angle retractor(ShortBlade)	2 Nos.
	Langenbeck right angle retractor(LongBlade)	2 Nos.
4	Allis tissue holding forceps	1 No.
5	Adson tissue forceps	4 Nos.
6	Artery forceps	
	i. Small (Curved andstraight)	6 nos
		6 Nos.
	ii. Medium (Curved andstraight)	6 nos
		6 Nos.
	iii. Large (Curved andstraight)	4 nos
		4 Nos.

7	Babcock tissue forceps	6 Nos.
8	Tissue holding forceps	
	i. Small	4 Nos.
	ii. Medium	4 Nos.
	iii. Large	4 Nos.
9	Lahey's tissue forceps	2 Nos.
10	Vessel clamps(Bull Dog clamp)	4 Nos.
11	Joll's retractor	2 Nos.
12	Dingman's retractor	2 Nos.
13	Needle holder(Variable size)	4 Nos.
		4 Nos.
		4 Nos.
		4 Nos.
14	Sponge holding forceps	2 Nos.
15	Gigli saw holder	2 Nos. Set
16	Periosteum elevator	2 Nos.
17	Dural retractor	4 Nos.
18	Spoon curette	
	i. Medium	2 Nos.
	ii. Large	2 Nos.
19	Tissue cutting scissors(Small, Medium & large)- Curved & Straight	3 Nos.
		3 Nos.
		3 Nos.
20	Suture cutting scissors(Small, Medium & large)	3 Nos.
		3 Nos.
		3 Nos.
21	Doyen mouth gag	2Nos.
22	Heister jaw opener	2Nos.
23	Ferguson Mouth gag	2Nos.
	Note for Instruments sets	
	TITANIUM INSTRUMENTS :	
1	All Instruments should be of international quality and made from surgical grade titanium.	
2	The "Hinges" should be rust proof	
3	The instruments should be guaranteed against metal fatigue and rust for atleast 02 years. Further repair should be available for next 5 years.	
4	The instruments surface should be non-reflective.	
5	The brand name along with catalogue number should be etched on the instruments.	
6	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.	
7	Satisfactory Performance Certificate from a Central Government Hospital (AIIMS, PGI, SGPGI etc.) is mandatory.	
8	The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality.	
	STAINLESS STEEL INSTRUMENTS :-	
1	All Instruments should be of imported and made from surgical grade stainless steel.	
2	Documentary evidence required for grade of material.	
3	The "Hinges" should be rust proof	
4	The instruments should be guaranteed against metal fatigue and rust for 02 years.	

5	The instruments surface should be non-reflective.	
6	The brand name along with catalogue number should be etched on the instruments.	
7	**STAINLESS STEEL INSTRUMENTS** The instrument should be CE or FDA or BIS approved.	
8	The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality..	
	Added Para. Items of Sl no 8,9,10,38,39,40,41,42,66,76,77,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,118, 121,122,123,124,125,126,127,128,129,130,131,32,133,134 (TITANIUM)	
Added Para	70% of the Instrument should be from same manufacturer. Other may be from third party. 10% variation in all sizes will be acceptable.	

Sch.19

Sl. No	**Endoscopic Sinus Surgery Set**	
	Instruments	**Quantity**
1	0 degree, 4mm, **14-18cm** wide angle straight forward telescope, autoclavable	2
2	30 degree, 4mm, **14-18cm** wide angle straight forward telescope, autoclavable	2
3	45 degree, 4mm **14-18cm** wide angle straight forward telescope, autoclavable	1
4	70 degree, 4mm, **14-18cm** wide angle straight forward telescope, autoclavable	1
5	0 degree, 2.7mm, **14-18cm** straight forward telescope, autoclavable	1
6	30 degree, 2.7mm, **14-18cm** straight forward telescope, autoclavable	1
7	Deleted	2
8	Sickle knife, pointed, 19cm long	2
9	Freer elevator should be double ended, semi sharp and blunt, 20cm long	2
10	Small size oblong shaped Antrum curette, straight, 19cm	1
11	Sinus curette 90deg and 55 deg curved	01 each
12	Antrum curette forward cutting small size, 19cm length	1
13	Double ended maxillary sinus ostium seeker, ball shaped ends diameter 1.2 and 2mm, length 19cm	2
14	Cottle elevator double ended, semi sharp and blunt, graduated, length 20cm	1
15	Conical suction tube should be malleable, with finger grip plate, luerlock,Outerdiameter 2.5cm, working length 13cm	1
16	Antrum cannula, Luer-lock, with cut-off hole, short curved, outerdiameter 3mm & 4 mm, length 12.5cm	01 each
17	Deleted	1
18	Deleted	2
19	Antrum punch for Left & Right side downward and forward cutting, working length 10cm	02 each
20	Nasal cutting forceps, working length 13cm	2
21	Antrum Punch, right and left side backward cutting, working length 10cm	02 each
22	Antrum grasping forceps for maxillary sinus, jaws curved to right, fixed jaw curved 90 deg, opening 120 deg, movable jaw backward, length 10cm	01 each
23	Blakesley nasal forceps, straight with working length 13cm	2
24	Blakesley nasal forceps, Upturned 45deg & 90deg with working length 13cm	01 each
25	Giraffe forceps 65deg upturn, cup jaws diameter 3mm with horizontal & vertical opening, length 12cm	01 each

26	Biopsy & Grasping forceps, vertical opening, malleable sheath end, cupped jaws diameter 4mm, working length 18cm	1
27	Sphenoid Punch, circular cutting circular punch, dia 4.5mm, working length 18cm	1
28	Sphenoid Punch, 65 deg upturned, circular cutting, dia 3.5mm, length 17cm	1
29	Nasal Scissors (Straight,right& left)	01 each
30	Antrum punch(small) Pediatric size , backward cutting	1
31	Biopsy forceps for nasopharynx	02 Nos.
32	Turbinectomy Scissors	02 Nos.
33	Tilley henckel forceps	04Nos
34	Through cut forceps(straight & 45deg) – 18x3mm, 11.5x3.5mm	02Nos each
35	Malleable suction	02 Nos.
36	DCR punch-3mm & 2mm(Straight & Curved)- 90 degree	02Nos each
37	Frontal sinus seeker(Double ended 22cm- 70deg and 90deg)	01 each
B	XENON LIGHT SOURCE AND LIGHT CABLE	
1	High light intensity with 300watt Xenon Lamp(with one extra spare bulb)	
2	Colour Temp will be 5800K or more	
3	Monitoring of lamp function.	
4	Deleted	
5	Lamp type- Xenon lamp, 300 watt	
6	Colour Temp will be 5800K or more	
7	Deleted	
8	Light intensity adjustment continuously adjustable from 0 to 100% either manually or Automatically by the camera video-output signal.	
C	FIBER OPTIC LIGHT CABLE	
	Size 3.5 to 5mm, length 250 -275cm	
D	Point A and B should be from same manufacturer and should be European CE / US FDA / **BIS approved**	
	Note for Instruments sets	
	TITANIUM INSTRUMENTS :	
1	All Instruments should be of international quality and made from surgical grade titanium	
2	The “Hinges” should be rust proof	
3	The instruments should be guaranteed against metal fatigue and rust for atleast 02 years. Further repair should be available for next 5 years	
4	The instruments surface should be non-reflective	
5	Deleted	
6	Deleted	
7	Deleted	
8	Deleted	
	STAINLESS STEEL INSTRUMENTS :-	
1	All Instruments should be of imported and made from surgical grade stainless steel. Documentary evidence required for grade of material	
2	The “Hinges” should be rust proof	
3	The instruments should be guaranteed against metal fatigue and rust for 02 years	
4	The instruments surface should be non-reflective.	
5	The brand name along with catalogue number should be etched on the instruments	
6	The instrument should be CE /FDA/BIS approved.	
7	The instruments might be call for demonstration and approval. It is the sole	

	discretion of the department to approve or disapprove the quality	
	Added para:	
	B Video Camera	
1	The system should be truly Digital Full HDTV Endoscopic videocamera. The system should qualify all the essential criteria for full HDTVsystem:	
a	Maximum Resolution of 1920 X 1080 pixels: Progressive scan.	
b	Consistent use of 16: 9 format for Input & Output to guarantee genuine HDTV.	
c	HD CCD/**CMOS** sensing chip should optimizes image quality & Digital Source Sampling for maximizing hi-fidelity image transmission.	
d	Optimizes to Any Size: The system should have integrated Optical Zoom (f= 14- 30 mm, 2X) to enhance the quality of Image size & cross specialty standardization of the camera system, regardless of the telescope used.	
e	The system should automatically optimize all settings. The system should be ready- to- use as soon as it is connected to the camera control unit.	
f	The system should have three chip HD camera heads, thus minimizing preparation & maximizes interspeciality Standardization.	
g	The system should be Menu driven, thus allowing the surgeon to program the camera head functions as per the surgical needs& requirement.	
h	The system should be capable of controlling the light control function from the camera head buttons without any additional requirement of hardware & software.	
i	Automated digital image enhancer	
j	Should have USB/ Image capture interface for direct storage of still/ video sequences with facility for recording.	
k	Should have minimum 2TB of storage capacity. Data capture software with patient archiving software	
2	2 Technical Specifications:	
a	a Image sensor: 3X1/3'**CMOS**/ CCD-Chip with aspect ratio of 16:9 for full HD display	
b	b Pixels 1920 x 1080	
c	c AGC: Microprocessor controlled	
d	d Lens: Integrated Optical Zoom Lens, f=14mm-30mm	
Added para:	**10% variation in all the sizes will be accepted.**	

Sch.20

	Esophagoscope set	
Sl. No	**Name with specification**	**Quantity**
1	Universal Oesophagoscope with Distal or Proximal illumination Adult 250mm length 12x8 mm diameter	1
2	Universal Oesophagoscope with Distal or Proximal illumination Adult 300mm length 16x12 mm diameter	1
3	Universal Oesophagoscope with Distal or 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 Distal or 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 300	1

	mm Oesophagoscope	
8	Optical forceps for Oesophagoscope biopsy forcep to fit in 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, 400mm length	2
11	Foreign body forcep for cutting of denture hooks with good cutting power 450mm length	2
12	Foreign body forcep alligator jaw with deep serration 350mm length 2.0mm shaft diameter	2
13	Peanut grasping jaw 350mm length 2.0mm shaft diameter	2
14	Cut biopsy forcep 350mm length 2.0mm shaft diameter	2
15	Aspiration tubes rigid 350mm length 2.5mm diameter	4
16	Aspiration tubes rigid 500 mm length 4.0mm diameter	4
17	Cotton carrier working length 350mm	1
18	Fiber optic cable **3.5mm** Diameter 1.80 meter or more length -2 Nos.	2
19	**LED Light Source Equivalent to 150 W with 10,000 hrs or more lifetime. The same should be covered in warranty**	1
20	All accessories should be from the same manufacturer and should be European CE/ US FDA/ **BIS approved**	
	Note for Instruments sets	
	TITANIUM INSTRUMENTS :	
1	All Instruments should be of international quality and made from surgical grade titanium.	
2	The “Hinges” should be rust proof	
3	The instruments should be guaranteed against metal fatigue and rust for atleast 02 years. Further repair should be available for next 5 years.	
4	The instruments surface should be non-reflective.	
5	The brand name along with catalogue number should be etched on the instruments.	
6	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	
7	Satisfactory Performance Certificate from a Central Government Hospital (AIIMS, PGI, SGPGI etc.) is mandatory.	
8	The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality.	
	STAINLESS STEEL INSTRUMENTS :-	
1	All Instruments should be of imported and made from surgical grade stainless steel. Documentary evidence required for grade of material	
2	The “Hinges” should be rust proof	
3	The instruments should be guaranteed against metal fatigue and rust for 02 years	
4	The instruments surface should be non-reflective	
5	The brand name along with catalogue number should be etched on the instruments	
6	**All the instruments should be European CE or USFDA or BIS approved.**	
7	The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality	

Sch.21

Sl. No	**Bronchoscopy Set**
A	ADULT
1	Straight Forward Telescope 0°, diameter 4.5 mm, length 50 cm, autoclavable. Fiber optic light transmission incorporated, 01
2	Bronchoscope Tube Universal, without distal fiber optic light carrier for usewith proximally insertable prismatic light deflectorand plugs length 43 cm, size 8.501
3	Bronchoscope Tube Universal, without distal fiber optic light carrier, for usewith proximally insertable prismatic light deflector and plugs length 43 cm, size 7.501
4	Bronchoscope Tube Universal, without distal fiber light carrier, and plugs length 43 cm, size 6.5 01
5	Prismatic Light Deflector, autoclavable, with connection fiber optic light cable 01
6	Glass Window Plug 01
7	Rubber Telescope Guide 01
8	Adaptor with sliding glass window plug, sealing cap, notched lens and keyhole opening,movable, for use with Full Lumen Tracheoscopes and Bronchoscopes 01
9	Injection Cannula, for positive pressure assisted ventilation system, O.D. 3.5 mm for use with bronchoscopes and tracheoscopes with LUER-lock 01
10	Instrument Guide, for suction catheter 01
11	Adaptor from bronchoscope to respirator 01
12	Optical Bronchoscopic Forceps, circular cup, alligator for hard foreign bodies 01
13	Optical Bronchoscopic Forceps, for peanut and soft foreign bodies With spring- action handle 01
14	Optical Bronchoscopic Forceps, round cupped jaws for Biopsy, cup diameter 3.3mm 01
15	Optical Bronchoscopic Forceps, Universal for biopsy, for removing foreign bodies and denatured tissue 01
16	Rigid Suction Tube, diameter 4mm, working length 50 cm 02
17	Rigid Suction Tube, diameter 2.5mm, working length 50 cm 02
B	PAEDIATRIC & NEONATE
1	Bronchoscope, length 30 cm, size 6 01 each
2	Bronchoscope, length 30 cm, size 5 01 each
3	Bronchoscope, length 30 cm, size 4.5 01 each
4	Bronchoscope, length 30 cm, size 4 01 each
5	Bronchoscope, length 30 cm, size 3.5 01 each
6	Bronchoscope, length 26 cm, size 4 01 each
7	Bronchoscope, length 26 cm, size 3.5 01 each
8	Bronchoscope, length 18.5 cm, size 3.5 01 each
9	2Bronchoscope, length 18.5 cm, size 2.5 01 each
10	Compatible Telescopes for above mentionedBronchoscope tubes, Straight Forward-scope 0°,auto-clavable. Fiber optic light transmission incorporated 01 each
11	Compatible Optical Alligator Forceps for Pediatric Broncho- Esophagoscopes, for use with telescope forced controlled handle for removal of hard foreign bodies 01
12	Compatible Optical Forceps for Pediatric Broncho-Esophagoscoes, with bean jaes, for use with telescope forced controlled handle for removal of peanuts and soft foreign bodies. 01 each
13	Compatible Optical Forceps, for use with telescope for biopsy. 01 each
14	Compatible Optical Pediatric Scissors, for use with telescope and Broncho-Esophagoscopes 01
15	Compatible Optical Forceps for use with telescope Universal, biopsy and grasping. 01
16	Rubber Telescope Guide for use with Telescopes or optical forceps 01
17	Prismatic Light Deflector, Autoclavable, with Connection to fiber light cable 01
18	Glass window Plug 01

19	Adaptor with sliding glass window plug, sealing cap, notched lens and keyhole opening, moveable 01
20	Adaptor from bronchoscope to respirator 01
21	Instrument guide, for suction catheter 01
22	Injection Cannula for possitive pressure assisted ventilation system,O.D. 3.5 mm and 2.7mm with LUER-lock 01 each
23	Compatible Suction tube, straight, with rubber tip, diameter 2mm
24	Working length 35cm 01
25	Cotton Applicator, working length 35cm, 01
26	Sponge Holder, spring handle, working length 35cm 01
	Note for Instruments sets
	TITANIUM INSTRUMENTS :
1	All Instruments should be of international quality and made from surgical grade titanium.
2	The "Hinges" should be rust proof
3	The instruments should be guaranteed against metal fatigue and rust for atleast 02 years. Further repair should be available for next 5 years
4	The instruments surface should be non-reflective.
5	The brand name along with catalogue number should be etched on the instruments.
6	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.
7	Satisfactory Performance Certificate from a Central Government Hospital (AIIMS, PGI, SGPGI etc.) is mandatory.
8	The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality.
	STAINLESS STEEL INSTRUMENTS :-
1	All Instruments should be of imported and made from surgical grade stainless steel. Documentary evidence required for grade of material.
2	The "Hinges" should be rust proof
3	The instruments should be guaranteed against metal fatigue and rust for 02 years.
4	The instruments surface should be non-reflective.
5	The brand name along with catalogue number should be etched on the instruments.
6	**All the instruments should be European CE or USFDA/ BIS approved.**
7	The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality.

Sch.22

Sl. No	**Pure Tone Audiometer**
1	Should be advance 2 channel clinical audiometer with High Frequency upto 20KHz.
a	Air , Bone and Speech
b	Free Field ,Speech and Pure Tone
c	2 Channel Binaural Speech
d	Automatic Threshold
e	Automatic Speech Scoring
f	Tones : Pure, Warble and Pulsed Tones
g	Masking : WN, NB and SN Masking
2	Special Test:
a	SISI Free Field, **Speech audiometry with calibrated speakers**
b	Tone decay
c	ABLB Test
d	MLB

e	MLD
f	Loudness Balancing: 250 Hz, 500 Hz, 2kHz, 4kHz, 6kHz NB noise with direct comparison to standard curves
3	Tone decay:
a	Number of Channels : Two Independent Oscillators
b	Frequency Range : 125 Hz – 20kHz
c	Intensity Range : 10dB – 120dB (Air Conduction) -10dB – 80dB (Bone Conduction) 5dB and 1 dB Attenuators
d	Frequency Resolution: Multi frequency
4	Others
a	All accessories for all the above units to be included.
b	Facility for the free field audiometry to be included.
c	Software for report, data storage and printing should be included.
d	Regular calibration of equipment.
e	All accessories should be from the same manufacturer and should be European CE/ US FDA/BIS approved
	Audiometer should have:-
1	**Facility to connect printer directly.**
2	**Mention availability of Audiogram display.**
3	**Should have internal memory for 500 patients.**

Sch.23

Sl. No	**Impedance audiometer/ Tympanometer**
	Impedance audiometer with contra ear testing facilities
1	Multifrequency
2	Probe Frequency- 226Hz, 678Hz,800Hz,1000Hz
3	Pressure Range- +200 to – 400 daPa
4	Volume Range - 0.1 ml to 6.0 ml
5	Accuracy - ±5% to ±10 daPa
6	Test Time- < 3 Seconds
7	Reflex Mode
8	Test Frequencies- 500, 1000, 2000, 4000 Hz ± 2%
9	Test Method- Ipsilateral, Contralateral
10	Noise (Band) - WN/HP/LP
11	Intensities IPSI Lateral-70 to 110 dbHz
12	**Intensities Contra Lateral- 70 to 120 dbHz**
13	Intensity Setting- Automatic or Manual
14	Eustachian Tube Function - Intact and Perforated mode
15	ETF Pressure Range -+ 300 to – 400 daPa
16	Test - Ipsilateral Reflex Test with AGC, Reflex Decay
17	Test Programme- Reflex Test selectable
18	**Memory :test results of minimum 20 cases.**
19	**Probe - Light weight, Hand Held , With Built in control light & switch.**
20	Printer- Silent Thermal Printer , (with paper printer facility)
21	Display-Graphic LCD with adjustable contrast
22	Power Supply- Mains 100-240 Volts, 50/60 Hz 25 VA
23	PC Interface- USB Cable
24	Automatic self calibration
25	Regular calibration of equipment.
26	All accessories should be from the same manufacturer and should be European CE/ US FDA/BIS approved

Sch.24
Abdominal/ Vaginal Hysterectomy set

Sl. No	Technical Specification	
	Item	**Qty per set**
1	* BP Handle No.04	2
2	* Dissecting Forceps plain 8”	1
3	* Dissecting Forceps toothed 8”	1
4	* Dissecting Forceps plain 6”	1
5	* Dissecting Forceps toothed 6”	1
6	* Kocher Artery Forceps Stght 7”	2
7	* Kocher Artery Forceps Cur 7”	8
8	* Artery Forceps Cur 8” long	6
9	* Artery Forceps Cur 6” Medium (FINE)	6
10	* Mosquito Artery Forcep Cur 5”	4
11	* Artery Forceps str 6”	6
12	* Doyen’s Retractor 3”	1
13	* Deaver’s Retractor 1” & 3”	2+1
14	* Langenback Retractor 8x35mm	1
15	* Morris Retractor with ring handle 2.5”	1
16(i)	* Babcock Tissue Forceps 6”	2
16(ii)	* Babcock Tissue Forceps 7”	2
16(i)	* Allis Tissue Forceps 6”	8
16(ii)	* Allis Tissue Forceps 8”	8
17	* Kidney Tray 8” S.S.	2
18	* Bowl S.S. 6”	3
19	* Metzenbaum Scissor Stght 8” (TC TIP)	1
20(i)	Metzenbaum Scissor Cur 6” (TC TIP)	2
20(ii)	Metzenbaum Scissor Cur 8” (TC TIP)	1
21(i)	* Needle Holder 6” (TC TIP)	2
21(ii)	* Needle Holder 8” (TC TIP)	1
22	* Myomectomy Screw (small, medium & large)	01 each
23	* Right Angle Artery Forcep MIXTER 8”	2
24	* Sponge Holding Forcep 10”	2
25	* Balfour Retractor 10” shaft for abdominal hysterectomy Doyen’s 8” shaft	1
26(i)	* Suction Tip Yankeur All S.S.	1
26(ii)	* Suction Tip Pool Stght 8mm All S.S.	1
27(i)	* Cross Action Towel Clips Engl.Mod. Angled 3.5”	3
27(ii)	* Cross Action Towel Clips Backhaus 3”	3
28	**Heaney ATrauma Straight Hysterectomy Clamps**	2
29	**Heaney ATrauma Curved Hysterectomy Clamps**	4
30	Uterine manipulator. double action 11”	2
31	Mayo’s Scissors (TC TIP)	2
32	Right Angled Clamps	2
34	Micro needle holder (TC TIP)	2
35	Microscissors (TC TIP)	2
36	Wertheim’s Vaginal clamp	2
37	TC parametrium scissors	2
38	Shirodkar’s uterine holding forceps & rubber pad	1

39	Sim's Speculum (Small, medium, Large)	1+2+1
40	Bladder Retractor	1
41	Bladder Sound	1
42	Uterine Sound	1
43	Teals VulsellumForcep	2
44	Jarco'sTenaculumForcep	1
45	CatspawForcep 8"	1
46	Catspaw Retractor 8"	1
47	Metal Urinary Catheter min 4mm	1
48	Cervical Encercilage needle	4
49	Rubins Cannula	1
	Instruments should be of High quality stainless steel, reusable, light weight, corrosive resistant, and rust-free	
	Demonstration of the equipment is must as and when required	
	All instruments should be USFDA or CE or BIS approved	

Sch.25

Tuboplasty Set

Sl. No	Technical Specification	
1	Knife handle	1
2	Iris Scissors straight and Curved -10.2 cm	1 each
3	Brown-Adson Tissue Forceps 12.1 cm 7x7 T	1
4	Potts smith dressing forceps-17.8 cm Serrated	1
5	Halsted Mosquito Forceps -5"- 12.7 cm delicate	6
6	Webster Needle holder - 4 3/4 " (12.1 cm)- carb-N- serrated	6
7	Probe w/eye	1
8	Swiss Jewelers Style Forceps	1
9	Guthrie Hook,	2
10	Bowman Sterling Probes	1
11	Castroviejo Suturing Forceps	1
12	Castroviejo Needle Holder	1
13	Frazier Ferguson Suction Tube	1
14	Yanker Suction Tube	1
15	Operating Scissor	1
16	Mayo dissecting Scissors	2
17	Metzenbaum scissors	3
18	Kelly Forceps -14cm straight and curved	6 each
19	Mixter Forceps-18.4cm Fully curved	1
20	Baby MixterForepss	1
21	Mayo-hegar Needle holer -15.2, 17.8, 20.3 &26.7	1 each
22	Surgical Optical Binocular Loupe- 2.5X	1
23	Poole Suction tube- Strght&Crvd	1 each
24	Goelet Retractor	2
25	U.S. Army retractor	2
26	Ribbon Retractor (1.9,3.2,5.1 cm)	1 each
27	Deaver Retractor -30.5cm	1
28	Richardson retractor small and large	1 each
29	Kelly Retractor -6.4 cm	1
30	Lahey Gall Duct Forceps	2
31	Allis Tissue Forceps -6" and 10"	2 each
32	Babcock Tissue Forceps - 15.9 & 23.5 cm	2 each

33	Stainless Steel Ruler	1
34	Schnidt Tonsil Forceps- 19.1 cm	4
35	Debakey Tissue Forceps -20.3 cm	1

Sch.26

Sl. No	USG A+B Scan
	A-Scan:
1	Probes: **10MHz** focused internal fixation light; Solid Tip or Soft touch.
2	Measurements: ACD, Lens, Vitreous, and Axial Length using individual zone velocities and movable gates.
3	Formulas: Holladay, Hoffer-Q, Haigis, SRK-T.
4	Modes: Automatic and Manual
5	Review: Stored A-Scan Patterns, A-Scan measurements, and statistics.
6	Statistics: Average, Std. Deviation
7	Calculations: 6 constants per user profile, 9 user or more selected IOL powers vs. refraction, personalized A-constants and surgeon factors.
8	Accuracy: Measurement total 50 micron and 100 micron clinical
9	Image depth: 40 mm
10	Calibration: Automatic with built-in calibration cylinder.
11	Report: Patient Name, ID # Eye Examined, K-readings, User Name, Date, Time, Immersion On/Off.
	B-Scan:
1	Probe **10 MHz**, Focused Transducer, 25 Frames/Sec or better
2	Measurements: Distance and area, length and circumference of the pathology detected in the image.
3	Amplifier 27 to 90 dB Gain with Gain and TVG controls
4	Freeze Foot pedal and ability to zoom image after the image has been frozen.
5	Image B-Scan with simultaneous selectable Vector A-Scan. Quad B scan.
6	Display 52 deg. Sector fan, Gray scale
7	Movie sequence adjustable up to 10 seconds
8	Trolley from the Manufacturer to keep all the accessories and Unit to make it a Stand alone and moveable unit to be provided.
9	Wide screen, 1920 x 1200 high-resolution monitor
10	**Data Management**
	• DICOMConnectivity:
	• Verification of multiple concurrent DICOM connectionsto
	other Application Entities (AEs)
11	Bidder should supply one compatible colour Printer.
12	The same console should be ready to upgrade with UBM in future
13	Should be supplied with online UPS with minimum 30 minutes backup.
14	The system Should be US FDA/ European CE with 4 digit notified Body number/BIS for the quoted model

Sch.27

Green Laser 532nm
1. PHOTOCOAGULATOR
2. Slit lamp and laser should be from samemanufacturer
3. TYPE : Solid state laserb
4. WAVELEGTH :532nm
5. COOLING : aircooled/thermoelectric

6. AIMING BEAM : slit lamp and laser beam should be coaxial, intensity ofbeam should be variable, diode laser, 635nm
7. SLIT LAMP - good quality, reputed laser slit lamp with 5-steps magnifications halogen illumination, continuously adjustable light intensity; integrated joystick-controlled servo-electric micromanipulator and true-to-colour physician's safetyfilter automatically swingeable into position; slit height adjustable from 1…14 mm andslit width adjustable from 0…14 mm
8. SPOT SIZE:50-1000µm
9. PROTECTION FILTER FOR SAFETY
10. MAGNIFICTION: 5step
11. ILLUMINATION UNIT: Slit width and length 0-14mm
12. Filters : blue, red-free, heat absorbing
13. Halogen lamp
14. POWER SUPPLY: 240V, 50-60Hz
15. BASE UNIT to allow longitudinal, lateral and vertical movements
16. Laser integrated slit lamp.
17. Motorized table
18. Mainster and PRP lenses
19. UPS 1000 VA
20. Dust Cover
21. Equipment should be European CE with 4 digit Notified body number /US FDA/BIS approved
22. Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/Para number of catalogue/data sheet.

Sch.28

Digital Fundus Camera
1. Fieldangles 30-60 DEGREES
2. Imagecapture (Color,Fluorescein Angiography,green,blue and red)
3. Capture 1 chip sensorcolor
1 chip sensor black & white
4. Monitor 15 inches LCD for directdisplay
5. Fixation Light Internal and External fixation lightboth
6. Exposure interval 0.5-1sec
7. Facility for Data storage, data transfer, image archiving, imageanalysis
8. Instrument table Asymmetrical motorized suitable forpatients
in wheel chair
9. Supporting latest computer hardware &software
10. Should be USFDA or European CE with 4 digit notified body number approved product.

Sch.29

Blood Bank Plasma Freezer, -40°C:

1. Purpose of Equipment	To Freeze or store Plasma. Must be designed specifically for blood bank use. Commercial or modified commercial freezers for other purpose are not acceptable.
2. Type of Equipment	Approved standard electrical Blood Bank plasma freezer that uses a compressor circulating CFC-free refrigerant. Upright type
3. Quality Standard	Manufacturing must be compliant with ISO 13485, and ISO

	9001:2008. • Should be compliant with European CE Class IIA orUS FDA or BIS • Equipment must meet electrical safety specifications ofIEC 61010-1
4. Capacity	▯ At least 400-500 standard plasma bags.
5. Construction	▯ Outside C. R. (Corrosion Resistant) Sheet at least 1 mm thick • Inside stainless steel of at least 22G. • Insulation polyurethane foam >80mm thick, foamingagent CFC free • Should be mounted on lockable casterwheels
6. Drawers	▯ At least four or more in number
7. Door	▯ Separate inner doors to prevent cold loss • Automatic/Magnetic closing of at least innerdoors. • Heating device in front to avoidcondensation • Opening angle limited (eg<135°) • Door open/ajar audio and visualalarm • Door lock should beavailable
8. Electrical characteristics	▯ Compatible with Input 240V 50 Hz Single phase Ac ▯ Should have an integrated voltage stabilizer and external servo stabilizer of appropriate ratings meeting ISI Specifications (Input 160-260 V and output 220-240 V and 50 Hz). • Minimum compressor starting voltage should be 22%below normal voltage
9. Internal Temperature	▯ Should be able to maintain internal temperature not warmer than -30°C • Whatever the load, setting accuracy less than or equal to1°C • Automatic defrosting if present, temperature should notgo outside safe range.
10. External Ambient Temperature:	▯ Can perfectly maintain internal temperature as above at full load in an ambient temperature of +10 to at least +30 °C
11. Hold-Over Time	▯ A full load of plasma packs at -36 °C takes at least 1 hr to rise to above -20 °C • A full load of plasma packs at -36 °C takes at least 32 hrsto rise to above -5 °C

12. Cooling Down Time.	A full load of plasma packs at +25°C takes a maximum of 5 hrs for all the packs to reach below -5 °C • A full load of plasma packs at +25 °C takes a maximum of30 hrs for all the packs to reach below -20 °C
13. Temperature monitoring, thermograph and related alarms	Digital temperature (LED) display with 0.1 °C graduation. Microprocessor controlled primary temperature control Integrated Visual AND Audible Temperature alarm systems, There should be a method to test the alarm system Alarm history: temperature maximum and minimum, average temperature during alarm period, time of duration of alarm • Provision to be connected to a remote monitoringsystem and remote alarm. • Thetemperature record should be electronically logged (that can be retrieved eg by USB port) and also documented on a physical thermograph; preferably with a 7-day graphic chart recorder with supply of free charts for full period of warranty. • Must have Battery backup for temperature recordingswhich is especially needed during power failure/fluctuations • Additional Battery backup for alarm so that alarm willnot fail in case of power failure, and should be able to sustain the alarm for.
14. Desirable	At room temperature of 25°C should be able to maintain at ideal compressor running time of <60-70%.

Additional requirements:

- All equipment should specify qualifications for design, installation, operation andperformance.
- Validation and calibration reports should have traceability to applicable national and international standards
- Complete with comprehensive set of spare parts and a suitable capacity voltage stabilizer and Suitable UPS with maintenance free batteries for minimum one-hour back-up for each equipment should be supplied with thesystem.
- Themake,rating,model,description,specifications,pricequantityofeachitemshouldbe furnishedseparately.
- Necessary catalogues, technical write up in English, should be attached with the offer both in hard and electroniccopies.
- Performance, efficiency, other factors as applicable should befurnished.
- Demonstrationandcontinuedcomprehensivetrainingforlabstaffandsupportservicestill familiarity with thesystem.
- ShouldprovideelectronicandhardcopiesofUserManual(English),Servicemanual(English) and Complete construction details with respect to material specification, thickness, finishetc.
- Should provide a set of equipments for calibration (eg thermometer) and routinePreventive Maintenance as per manufacturer documentation in service/technicalmanual.
- Should provide 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 speltout.

Sch.30

Blood Bank Plasma Freezer, -80°C:

1. Purpose of Equipment	• To Freeze or store Plasma. • Must be designed specifically for blood bank use. Commercial or modified commercial freezers for other purpose are not acceptable.
2. Type of Equipment	• Approved standard electrical Blood Bank plasma freezer that uses a compressor circulating CFC-free refrigerant. • Upright type
3. Quality Standard	• Manufacturing must be compliant with ISO 13485, and ISO 9001:2008. • Should be compliant with European CE Class IIA orUS FDA or BIS • Equipment must meet electrical safety specifications ofIEC 61010-1
4. Capacity	• At least 400-500 standard plasma bags.
5. Construction	• Outside C. R. (Corrosion Resistant) Sheet at least 1 mm thick • Inside stainless steel of at least 22G. • Insulation polyurethane foam >80mm thick, foamingagent CFC free • Should be mounted on lockable casterwheels
6. Drawers	• At least four or more in number
7. Door	• Separate inner doors to prevent cold loss • Automatic/Magnetic closing of at least innerdoors. • Heating device in front to avoidcondensation • Opening angle limited (eg<135°) • Door open/ajar audio and visualalarm • Door lock should beavailable
8. Electrical characteristics	• Compatible with Input 240V 50 Hz Single phase Ac • Should have an integrated voltage stabilizer and external servo stabilizer of appropriate ratings meeting ISI Specifications (Input 160-260 V and output 220-240 V and 50 Hz). • Minimum compressor starting voltage should be 22%below normal voltage
9. Internal Temperature	• Should be able to maintain internal temperature not warmer than -60°C • Whatever the load, setting accuracy less than or equal to1°C • Automatic defrosting if present, temperature should notgo outside safe range.
10. External Ambient Temperature:	• Can perfectly maintain internal temperature as above at full load in an ambient temperature of +10 to at least +30 °C
11. Hold-Over Time	• A full load of plasma packs at -36 °C takes at least 1 hr to rise to above -30 °C • A full load of plasma packs at -76 °C takes at least 32 hrsto rise to above -5 °C

12. Cooling Down Time.	• A full load of plasma packs at +60°C takes a maximum of 5 hrs for all the packs to reach below -5 °C • A full load of plasma packs at +60 °C takes a maximum of30 hrs for all the packs to reach below -20 °C
13. Temperature monitoring, thermograph and related alarms	• Digital temperature (LED) display with 0.1 °C graduation. • Microprocessor controlled primary temperature control • Integrated Visual AND Audible Temperature alarm systems, • There should be a method to test the alarm system • Alarm history: temperature maximum and minimum, average temperature during alarm period, time of duration of alarm • Provision to be connected to a remote monitoringsystem and remote alarm. • Thetemperature record should be electronically logged (that can be retrieved eg by USB port) and also documented on a physical thermograph; preferably with a 7-day graphic chart recorder with supply of free charts for full period of warranty. • Must have Battery backup for temperature recordingswhich is especially needed during power failure/fluctuations • Additional Battery backup for alarm so that alarm willnot fail in case of power failure, and should be able to sustain the alarm for.
14. Desirable	• At room temperature of 25°C should be able to maintain at ideal compressor running time of <60-70%.

Additional requirements:

- All equipment should specify qualifications for design, installation, operation andperformance.
- Validationandcalibrationreportsshouldhavetraceabilitytoapplicablenationaland internationalstandards
- Complete with comprehensive set of spare parts and a suitable capacity voltage stabilizer and Suitable UPS with maintenance free batteries for minimum one-hour back-up for each equipment should be supplied with thesystem.
- Themake,rating,model,description,specifications,pricequantityofeachitemshouldbe furnishedseparately.
- NecessarycatalogueS,technicalwriteupinEnglish,shouldbeattachedwiththeofferbothin hard and electroniccopies.
- Performance, efficiency, other factors as applicable should befurnished.
- Demonstrationandcontinuedcomprehensivetrainingforlabstaffandsupportservicestill familiarity with thesystem.
- ShouldprovideelectronicandhardcopiesofUserManual(English),Servicemanual(English) and Complete construction details with respect to material specification, thickness, finishetc.
- Should provide a set of equipments for calibration (eg thermometer) and routine Preventive Maintenance as per manufacturer documentation in service/technicalmanual.
- Should provide 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 speltout.

Sch.31

Blood Bank Platelet agitator cum incubator:

1. Purpose of Equipment	• To continuously agitate platelet concentrate in an even suspension in a temperature controlled environment +22 °C ±2 °C in standard platelet bags (random unit or apheresis). • Must be designed specifically for blood bank use. Commercial or modified commercial incubators for other purpose are not acceptable.
2. Type of Equipment	• Flatbed agitator fitted inside a temperature controlled incubator that uses CFC-free refrigerant and CFC free insulation material.
3. Quality Standard	• Manufacturing should be compliant with ISO 13485, and/or ISO 9001:2008. • Should be compliant with European CE Class IIA orUS FDA or BIS • Equipment must meet electrical safety specifications ofIEC 61010-1
4. Capacity	• At least 96 standard random platelet unit bags.
5. Construction	• Outside C. R. (Corrosion Resistant) sheet preferably coated with bacteria resistant material • Inside stainless steel. • Insulation foaming agent CFCfree
6. Drawers and agitator	• Nonslip corrosion resistant drawers coated with bacteria resistant material • Drawers perforated to ensure good aircirculation • The agitator holding the shelves is suspended in such away as to ensure minimum noise for the life of the agitator. • Gentle side to side agitation at 1.5 inch (3.6–4 cm) and60–70 strokes/min. • Heavy duty ball bearing gear motor for noiselessand continuous operation for 24 hours a day 365 days a year • Auto-pause of agitator on openingdoor • Push button switch to pauseagitator
7. Door	• Glass door with full visibility of units without opening door • Door lock should beavailable
8. Electrical characteristi Cs	• Compatible with Input 240V 50 Hz Single phase Ac • Should have an integrated voltage stabilizer or external servo stabilizer of appropriate ratings meeting ISI Specifications (Input 160-260 V and output 220-240 V and 50 Hz).
9. Internal Temperature	• Platelet agitator should have inside temperature range of 20°C - 24°C • Whatever the load, setting accuracy less than or equalto 0.5°C (preferably 0.1°C). • Should ensure frost free performance therebyavoiding either freezing or heating. If defrosting function used, temperature should not go outside range specified above.

10. Temperature monitoring, thermograph and related alarms	• At least 1 temperaturesensor. • Digital temperature (LED) display with 0.1°Cgraduation. • Integrated Visual AND Audible alarm systems for temperature, motion failure, sensor failure, agitator off, power failure • Provision to be connected to a remote monitoringsystem and remote alarm. • The temperature record should be electronicallylogged (that can be retrieved eg by USB port) and also documented on a physical thermograph; Preferably with a 7-day, graphic chart recorder with supply of free charts for full period of warranty. • Must have Battery backup for temperaturerecordings which is especially needed during power failure/fluctuations • Additional Battery backup for alarm so that alarm willnot fail in case of power failure, and should be able to sustain the alarm.
11. Air circulation	• The temperature inside should be kept uniform inall shelves by Forced air circulation through fans.

Additional requirements:

- All equipment should specify qualifications for design, installation, operation andperformance.
- Validation and calibration reports should have traceability to applicable national and international standards
- Complete with comprehensive set of spare parts and a suitable capacity voltage stabilizer and Suitable UPS with maintenance free batteries for minimum one-hour back-up for each equipment should be supplied with thesystem.
- The make, rating, model, description, specifications, price quantity of each item should be furnishedseparately.
- Necessarycatalogues,technicalwriteupinEnglish,shouldbeattachedwiththeofferbothin hard and electroniccopies.
- Performance, efficiency, other factors as applicable should befurnished.
- Demonstrationandcontinuedcomprehensivetrainingforlabstaffandsupport services till familiarity with thesystem.
- ShouldprovideelectronicandhardcopiesofUserManual(English),Servicemanual (English) and Complete construction details with respect to material specification, thickness, finishetc.
- Should provide a set of equipments for calibration (eg thermometer) and routine Preventive Maintenance as per manufacturer documentation in service/technical manual.

Should provide 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.

GENERAL TECHNICAL SPECIFICATIONS

GENERAL POINTS:

1. Warranty:

   a) Comprehensive Warranty as per Conditions of Contract of the TE document for complete Equipment from the date of installation, commissioning and 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 Warrantyperiod.

2. After SalesService:

   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 the bidder. Undertaking by the Principals that the spares for the Equipment shall be available for at least 10 years from the date of supply.

3. Training:

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

4. Annual Comprehensive Maintenance Contract (CMC) of subject equipment withTurnkey:
   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 the period as specified in the List of Requirement on yearly basis for complete equipment (including Batteries for UPS, other vacuumatic parts wherever applicable) and Turnkey (if any). The supplier shall visit each consignee site as recommended in the manufacturer's technical/service/operational manual, but at least once in six months during the CMCperiod
   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 entertainedlater.
   c) Deleted.
   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 CMCperiod.
   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 downtimeperiod.
   f) Deleted
   g) All software updates should be provided free of cost duringCMC.
   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 Clause21.

Turnkey / Site Modification Work (wherever applicable):

Turnkey/ Site Modification Work is indicated in the technical specification of the respective items, wherever required. The Bidder shall examine the existing site where the item is to be installed, in consultation with HOD of Hospital/ Institution/ Medical College concerned. Turnkey/ Site Modification Work details of each Hospital/ Institution/ Medical College are given at the end of Technical Specification. The bidder to quote

prices indicating break-up of prices of the Machine and Turnkey Job/ Site Modification Work of each Hospital/ Institution/ Medical College. The Turnkey/ Site Modification Work costs may be quoted in Indian Rupee will be added for Ranking Purpose.

The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such duties and taxes and no claim for the same will be entertained later.

The Turnkey Work should completely comply with AERB requirement, if any.

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

Note 2: General: Bidders are requested to make sure that Electrical Safety Analyser/ 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. If the Electrical Safety Analyser/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 maintenancecall.

Note 3: Supplier should provide adequate training of personnel and supply only non-locked open software and standard interface interoperability conditions for networked equipment in hospital management information system(HMIS)

Note 4: Training shall be given to the doctors, nurses, operators with proper training material, adequate operating manual & preliminarytroubleshooting.

SECTION – VIII
Quality Control Requirements
To be filled by the Manufacturer

Proforma for quality control of the manufacturer(s)

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

01 Name of the manufacturer
- a. full postaladdress
- b. full address of thepremises
- c. e-mail address
- d. telephonenumber
- e. fax number

02 Plant and machinery details
03 Manufacturing processdetails
04 Monthly (single shift) production capacity of goods quotedfor
- **a. normal production capacity: (Indicate theqty)**
- **b. maximum production capacity : (Indicate theqty)**

05 Total annual turn-over (value in Rupees)
06 Quality control arrangementdetails
- a. for incoming materials and bought-outcomponents
- b. for processcontrol
- c. for final product evaluation

07 Test certificateheld
- a . typetest
- b . BIS/ISOcertification
- c . anyother

08 Details ofstaff
- a. technical
- b skilled
- c unskilled

Signature and seal of the Bidder

SECTION – IX

Qualification Criteria

01. The Bidder must be a Manufacturer or its authorizedagent.

02. (a) The manufacturer should have successfully executed at least three (**03**) supply orders/ contracts during last three years from the date of Tender opening, for the similar equipment performing similar functions and meeting major specification parameters of the quoted item, which is functioning satisfactorily inIndia.

    (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 samemanufacturer.

Note:

1. Insupportof2(a)&2(b),theBiddershallfurnishPerformancestatementintheenclosedProforma „A'. The manufacturer as well as the Bidder shall furnish Satisfactory Performance/ installation Certificate in respect of above, duly translated in English and self-certified along with the tender.

2. The Bidder shall furnish a brief write-up, 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 Bidder shall also furnish details of Equipment and Quality Control in the enclosed SectionVIII.

3. Notwithstanding anything stated above, the Purchaser reserves the right to assess the Bidder'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 thePurchaser.

4. The bidders/ firms identifying as MSME and or start-up firms are exempted from fulfilling criteriaat S. No. 2 (a) and 2(b) stated above. However, this does not exempt any bidder/ firm/ manufacturer from fulfilling the quality requirements.

   Note: "If the bidder is a MSME, it shall declare in the bid document the Udyog AadharMemorandum Number issued to it under the MSMED Act, 2006. If a MSME bidder do not furnish theUAM Number along with bid documents, such MSME unit will not be eligible for thebenefits available under Public Procurement Policy for MSEs Order 2012."Traders/resellers/distributors/authorized agents will not be considered for availing benefits underPP Policy 2012 for MSEs as per MSE guidelines issued byMoMSME.

NOTE:

1. The tenderer shall give an affidavit asunder:
   "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. Insupportof2(a)&2(b),theTenderershallfurnishPerformancestatementintheenclosedProforma„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 thetender.

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 SectionVIII.

4. Notwithstanding anything stated above, the Purchaser reserves the right to assess the Tenderer's capability andcapacitytoperformthecontractsatisfactorilybeforedecidingonawardofContract,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 along with the details asked for in SECTION –VIII: Quality Control Requirements.

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 PriceTender.

PROFORMA „A'

PROFORMA FOR PERFORMANCE STATEMENT
(For the period of last five years from the date of tender opening)

TenderReference No. :_____

Dateof opening :_____

Time :_____

Name and address oftheBidder :_____

Name and address ofthemanufacturer :_____

Order placed by (full address of Purchaser)	Order number and date	Description and quantity of ordered goods and services (Model details, if any)	Value of order (Rs.)	Date of completion of Contract		Remarks indicating reasons for delay if any	Have the goods been functioning Satisfactorily (attach end user certificates as per format annexed)**
				As per contract	Actual		
1	2	3	4	5	6	7	8

Signature and seal of the Bidder

**** The documentary proof will be certificate(s) from the consignee(s)/end user(s) with cross-reference of order no. and date in the certificate duly self certified by the bidder authenticating the correctness of the information furnished. If at any time, information furnished is proved to be false or incorrect, the earnest money furnished will be forfeited.**

SECTION – X

TENDER FORM

Date_____

To

HLL Infra Tech Services Ltd,,
B-14A, Sector-62, Distt.
Gautam Budh Nagar, Noida – 201307, UP

Ref. Your TEdocument 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 attached herewith and made part of thistender.

If our tender is accepted for Rate Contract, we undertake to supply the goods and perform the services as mentioned above, in accordance with the delivery schedule specified in the Supply Order placed against the Rate Contract.

We further confirm that, if supply order is placed on us against Rate Contract, 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 thecontract.

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 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 statutory Authorities as per govt. rules/procedures.

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 strictly as per the Price Bid Format provided in the e-tender portal „https://etenders.gov.in/eprocure/app‘ under the Tender ID as per terms of the tender enquiry.

SECTION – XII

QUESTIONNAIRE

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

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 “notapplicable”.

2. Wherever necessary and applicable, the tenderer shall enclose certified scanned copy as documentary proof/ evidence to substantiate the correspondingstatement.

3. In case a tenderer furnishes a wrong or evasive answer against any of the question/issues, their tender is liable to beignored.

SECTION – XIII

BANK GUARANTEE FORM FOR EMD

Whereas_____(hereinaftercalledthe"Bidder")hassubmitteditsquotationdatedforthesupplyof _____ (hereinafter called the "tender") against the purchaser's tenderenquiryNo._____. Know all persons by these presents thatwe of_____(Hereinafter called the "Bank") having our registered office at_____areboundunto_____(hereinafter called the "Purchaser) in thesumof_____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 thisdayof_____20. The conditions of this obligationare:

(1) If the Bidder withdraws or amends, impairs or derogates from the tender in any respect withinthe period of validity of thistender.

(2) If the Bidder having been notified of the acceptance of his tender by the Purchaser during the period of itsvalidity:-

a) fails or refuses to furnish the performance security for the due performance of the contract.
or
b) fails or refuses to accept/execute the contract.
or
c) if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading orforged

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

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

(Signature of the authorised officer of theBank)

Name and designation of the officer
Seal, name & address of the Bank and address of theBranch

SECTION – XIV

MANUFACTURER'S AUTHORISATION FORM

To
HLL Infra Tech Services Ltd,
B-14A, Sector-62, Distt. Gautam Budh Nagar,
Noida – 201307, UP

Dear Sirs,

Ref. Your TEdocumentNo_____,dated _____

We,_____who are proven and reputablemanufacturersof_____(*name and description of the goods offered in the tender*) havingfactoriesat_____hereby authorise Messrs(*name and address of the agent*) to submit a tender, subsequently negotiated and 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 byus.

WefurtherconfirmthatnosupplierorfirmorindividualotherthanMessrs._____(*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 byus.

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 than that which we would have quoted directly.

Yoursfaithfully,

[*Signature with date, name anddesignation*]
for and on behalf ofMessrs_____

[*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 themanufacturer.*
2) *Original letter may besent.*

SECTION – XV

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC SECURITY

To
CEO,
HLL Infra Tech Services Ltd,
B-14A, Sector-62, Distt. Gautam Budh Nagar,
Noida – 201307, UP

WHEREAS*(Name and address of the supplier)* (Hereinafter called "the supplier") has undertaken, in pursuance of supplyorderno_____dated_____to supply (description of goods and services) (herein after called "thecontract").
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 atotalof._____*(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 specifiedtherein.
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 upto*(indicate date)*

…….
(Signature with date of the authorised officer of theBank)
…….
Name and designation of theofficer
…….
…….
Seal, name & address of the Bank and address of theBranch

SECTION – XVI

CONTRACT FORM FOR ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT

Annual CMC ContractNo._____dated _____

Between

_____

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

_____

_____

(Name & Address of the Supplier)

Ref: ContractNo_____dated_____(Contract No. & date of Contract for supply, installation, commissioning, handing over, Trial run, Training of operators & warranty ofgoods)

In continuation to the above referred contract, 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**	

a) Total value(infigure)_____(Inwords)_____
b) The CMC commence from the date of expiry of all obligations under Warrantyi.e.from_____ (date of expiry of Warranty) and willexpireon_____(date of expiry ofCMC)
c) The cost of Annual Comprehensive Maintenance Contract (CMC) which includes preventive maintenance, labour and spares, after satisfactory completion of Warranty period may be quoted for next years as contained in the above referred contract on yearly basis for complete equipment and Turnkey (ifany).
d) 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 downtimeperiod.
e) During CMC period, the supplier shall visit at each consignee's site for preventive maintenance including testing and calibration as per the manufacturer's service/ technical/ operational manual. The supplier shall visit each consignee site as recommended in the manufacturer's manual, but at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of thegoods.
f) All software updates should be provided free of cost duringCMC.
g) The bank guaranteevalidtill_____[(fill the date) 2 months after expiry of entire CMC period] for an amountofRs._____[(fill amount) equivalent to 2.5% of the cost of the Equipmentas 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 thePurchaser/Consignee.
h) If there is any lapse in the performance of the CMC as per contract, the proceeds Annual CMC bank guarantee for an amountofRs._____(equivalent to 2.5 % of the cost of the Equipment as per contract) shall be payable to theConsignee.

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

j) **Paying authority:** _____ (name of the consignee i.e. Hospital authorised 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)

To,
M/s

This is to certify that the goods as detailed below have been received duly inspected in good condition:

1)	Contract No. &date	:_____
	LC No: & date (for LC shipments)	:_____
2)	Supplier'sName	:_____
3)	Consignee's Name &Address	
	with telephone No. & Fax No.	:_____
4)	Name of the itemsupplied	:_____
5)	QuantitySupplied	:_____
6)	Date of Receipt by theConsignee	:_____
7)	Name and designation of Authorized Representative ofConsignee	:_____
8)	Signature of Authorized Representative of Consignee with date, Designation & Tel.No	:_____
9)	Seal oftheConsignee	:_____

Copy to,

1. M/s HITES
2.

SECTION – XVIII

FINAL ACCEPTANCE CERTIFICATE

(To be given by the Consignee)

No_____ **Date**_____

To
M/s *(Name & address ofsupplier)*
_____
_____

Subject: Certificate of commissioning ofEquipment/plant.

This is to certify that the Equipment/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. 2 in accordance with the contract/technical specifications. The same has been installed and commissioned.

(a) ContractNo_____dated_____

(b) Description of theEquipment(s)/plants:_____

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

(d) Quantity:_____

(e) Bill of Loading/Air Way Bill/RailwayReceipt/ Goods ConsignmentNoteno._____dated _____

(f) Name of thevessel/Transporter:_____

(g) Name of theConsignee:_____

(h) Date of handing over the site for installation by theconsignee _____

(i) Date of commissioning and provingtest:_____

2. Details of accessories/spares not yet supplied and recoveries to be made on thataccount.

Sl. No.	DescriptionofItem	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 thefollowing:
  - He has not adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to „TechnicalSpecifications'.
  - 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 theEquipment(s)/plant(s).
  - The supplier as specified in the contract has not done training ofpersonnel.
  - 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. 2.
  - The amount of recovery on account of failure of the supplier to meet his contractual obligations is_____(here indicate theamount).

Signature
Name
Designation with stamp

##Explanatory notes for filling up the certificate:

1) *He has adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to „TechnicalSpecification'.*
2) *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 theEquipment(s)/plant(s).*
3) *Training of personnel has been done by the supplier as specified in thecontract.*
4) *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 clearterms.*

SECTION XIX

FORM OF INTEGRITY PACT

PRE-CONTRACT INTEGRITY PACT

ThisPre-ContractIntegrityPact(hereinaftercalledtheIntegrityPact)ismadeon 31ST day of the monthof 2018

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 FirstParty.

And

M/s. withoffice**at** representedbyShri , 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 SecondParty.

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 OrderNo.

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, anybribe,

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 thecontract.

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 contractexecution.

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 prospectivebidder.

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 bestalled.

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 withHITES.

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 byHITES.

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

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

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

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

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 verifiablefacts.

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 oftender.

Theterm,,relative'forthispurposewouldbeasdefinedin 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 ofHITES.

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 toprices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the biddingprocess.

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 isdivulged.

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

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), ifany.

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 thematter.

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 incorrectstatementon this subject, BIDDER can be disqualified fromthe tender process or the contract, if already awarded, canbe 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 ofall Bidders / Contractors / Subcontractors

4.1 The Bidder(s)/ Contractor(s) undertake(s) todemandfrom his Subcontractors a commitment in conformitywiththis IntegrityPact.

4.2 HITES will enter into agreements with identicalconditionsas this one with all Bidders and Contractors.

4.3 HITES will disqualify from the tender process allbidderswho do not sign this Pact or violate itsprovisions.

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, whereverrequired:-

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 ishigher.

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 aforesaidamount.

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 withinterest.

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 theBIDDER.

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 futureviolation.

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 thecontract.

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 beopened.

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 thepact.

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 ofcorruption.

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 thisPact.

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 asbelow:

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 thisPact.

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

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 ofmeetings.

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

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 suchmeetings.

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 byHITES/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 beenawarded.

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 consortiummembers.

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 originalintentions

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 TechServicesLtd. **Bidder**

_____ _____

Witness Witness

1…….. 1……

2…… 2……..

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

SECTION-XX

(Notice-cum-Cancellation Letter)

HLL Infra Tech Services Limited
B-14A, Sector-62
Distt. Gautam Budh Nagar
Noida – 201307, U.P.

(Application where the Purchaser decided to short-close the R/C)

No……..
To
M/s……
…….

Sub: Rate Contract for supply of…….
Valid upto ……

Dear Sir,

(a) It has been observed that there has been notable downfall in the prices after conclusion of the R/C and that the stores are now obtainable on much lower rates (if it is possible to indicate a definite price at which the stores are now obtainable, the same can be counter offered to the R/C holder for their acceptance).
(b) The quantity of goods supplied against R/C so far have not been to the requisite standard in as much as there have been complaints from the user Departments in this regard,and
(c) Your conduct in performance of the R/C has not been satisfactory in respectof
(d) Any other reasons which can beindicated.

Note: Purchaser Officer has to assign any one or the other reasons as relevant.

3. In view of the above, it has been decided to short-clause the subject Rate Contractafter ……. (allow 15 days from the date of issue of the letter). The Rate Contract may be treated as cancelled/withdrawnafter ..... (dategivenforthewithdrawaloftheR/C).Anyorderplacedbythe Direct Demanding Officers after the expiry of the notice period shall not be executed by you.

Yourfaithfully

For and on behalf of thePurchaser

SECTION XXI

REVOCATION-CUM-CANCELLATION

(Application where R/C is revoked by the R/C Holder)

To,
M/s HLL Infra Tech Services Limited
B-14A, Sector-62
Distt. Gautam Budh Nagar
Noida-201307
U.P.

Sub: Rate Contract for supply of…….
Valid upto ……

Sir,

It is not possible for us to continue to supply against the subject Rate Contract for the following reasons:-

(a)
(b)

In termsofClause -----ofGCC,I/WeherebyrevoketheRateContractwhichwilltakeeffect15daysfrom the date of receipt of this communication by your office. Formal Cancellation letter may be issued at the earliest.

Yours faithfully

(M/s…..)

Note for Purchase Officer:-

The Purchase Officer is expected to issue the cancellation letter counting 15 days from the date revocation letter is received to HITES statingthat:-

> "In view of yourletter dated.....the Rate Contract is herebytreated as short-closed/withdrawn with effect from ……..
>
> All orders placed prior to this cancellation are, however, to be executed at the earliest.

APPENDIX – A

No. P-45021/2/2017-PP (BE-II)
Government of India
Ministry of Commerce and Industry
Department of Industrial Policy and Promotion
(Public Procurement Section)
****

Dated 28th May, 2018
Udyog Bhawan, New Delhi

To
All Central Ministries/Departments/CPSUs/All concerned

ORDER

Subject: Public Procurement (Preference to Make in India), Order 2017 – Revision; regarding.

Department of Industrial Policy and Promotion, in partial modification of Order No.P-45021/2/2017-B.E.-II dated 15.6.2017, hereby issues the revised 'Public Procurement (Preference to Make in India), Order 2017" with immediate effect:-

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.

.....Contd. p/2

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

'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.

'Works' means all works as per Rule 130 of GFR- 2017, and will also include *'turnkey works'.*

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, services or works 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 or services or works 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 or works 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 or works 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.

.....Contd. p/3

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.

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.

.....Contd. p/4

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 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.

.....Contd. p/5

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."

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

.....Contd. p/6

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.

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

F.No.31026/36/ 2016-MD
Ministry of Chemicals & Fertilizers
Government of India
Department of Pharmaceuticals

Dated 18th May, 2018
Janpath Bhawan, New Delhi

Subject: Guidelines for implementing the provisions of Public Procurement (Preference to Make in India) Order (PPO), 2017, related to procurement of Goods & Services in Medical Devices - reg.

No. 31026/36/2016-MD: Whereas Department of Industrial Policy and Promotion (DIPP), pursuant to Rule 153(iii) of the General Financial Rules 2017, has issued Public Procurement(Preference to Make in India) Order (PPO), 2017 vide no. P-4502/2/2017-B.E.-II dated 15.06.2017.

Whereas DIPP, in order to facilitate the implementation of the PPO, 2017, vide D.O. No. P-45021/2/2017-BE-II dated 14.08.2017 has identified Department of Pharmaceuticals (DoP) as the Nodal Department for implementing the provisions of the PPO 2017 relating to goods &services related to Pharmaceuticals Sector. DIPP vide Office Memorandum no. P-45021/13/2017-PP Section BE-II dated 23.03.2018 has decided that the Nodal Ministry for product category Medical Devices shall be Department of Pharmaceuticals.

Whereas Para 3 of PPO, 2017 makes it mandatory for procuring entities to give purchase preference to local suppliers, Para 5 of PPO, 2017 empowers Nodal Ministry to prescribe percentage and the manner of calculation of minimum local content in respect of any particular item relating to medical devices and Para 9 of PPO, 2017 deals with verification of local content.

Now, therefore, DoP issues the following guidelines for implementation of the provisions of PPO, 2017 with respect to public procurement of Goods & Services in Medical Devices:

1) **Percentage of Minimum Local Content:** Medical Device Industry (MDI) is a multi-product industry responsible for provisioning of wide variety of crucial medical products ranging from simple tongue depressors & glucometer strips to large radiology & electronic medical equipment. The medical devices industry can be broadly classified as consisting of (a) medical disposables and consumables; (b) medical electronics, hospital equipment, surgical instruments; (c) Implants; and (d) In-Vitro Devices/Diagnostic Reagents. Individually there are around 5000 different kinds of medical devices and it is not practical to prescribe the local content and percentage of preference in domestic procurement for each medical device.

   Moreover, DoP needs accurate and reliable data regarding total capacity and production of various categories of medical devices in India, regarding the level

of competition in the market in different segment of medical devices and regarding the processes involved in the manufacture of medical devices for prescribing the percentage of minimum local content for each category of medical devices, for determining the manner of calculation of local content in the medical devices and for determining the purchase preference to be given to local suppliers in the procurement by the public agencies. The percentage of local content, the manner of calculation of the local content and the provision of supplies to be procured from local suppliers may be revised after relevant data in this regard becomes available.

However for the time being, based on the present level of understanding of the medical device market in India and discussion with various industry representatives, DoP in accordance with Para 5 of PPO, 2017 prescribes the following percentages of minimum local content for various categories of medical devices for preference in public procurement:

Category of Medical Devices	% of Minimum Local Content	% of Local Content proposed to be increased in phased manner over next three years
Medical disposables and consumables	50%	50% to 75%
Medical electronics, hospital equipment, surgical instruments	25%	25% to 45%
Implants	40%	40% to 60%
Diagnostic Reagents/IVDs	25%	25% to 45%

2) **Manner of calculation of Local Content:** DoP in accordance with Para 5 of PPO, 2017 prescribes the following manner of calculation of local content:

i. Local content of Medical Device shall be computed on the basis of the cost of domestic components in the device/service compared to the total cost of the device/service. The total cost of product shall be the cost incurred for the production of the medical device including direct component i.e. material cost, manpower cost and overhead costs including profit but excluding taxes and duties.

ii. The determination of local content cost shall be based on the following:
   a) In the case of direct component (material), based on the country of origin
   b) In the case of manpower, based on domestic manpower

iii. The calculation of local content of the combination of several kinds of goods shall be based on the ratio of the sum of multiplication of local content of each goods with the acquisition price of each goods to the acquisition price of combination of goods.

iv. Format of calculation of local content shall be as contained in **Enclosure-I**.

complaints by the complainant. In case, the complaint is found to be incorrect, the complaint fee shall be forfeited. In case, the complaint is upheld and found to be substantially correct, deposited fee of the complainant would be refunded without any interest.

5) All other provisions of PPO, 2017 shall be applicable as such and shall be adhered to by all procuring agencies for procurement of any medical device.

6) These guidelines shall remain applicable for one year or until further orders from the date of its issuance.

(Dinesh Kapila)
Economic Adviser
Ph. 23381927

Enclosure-II

Format for Affidavit of Self Certification regarding Local Content in a Medical Device to be provided on Rs. 100/- Stamp Paper

Date:_____

I_____**S/o,D/o,W/o**_____, Resident of

_____

do hereby solemnly affirm and declare as under:

That I will agree to abide by the terms and conditions of the policy of Government of India issued vide Notification No:

That the information furnished hereinafter is correct to best of my knowledge and belief and I undertake to produce relevant records before the procuring entity or any authority so nominated by the Department of Pharmaceuticals, Government of India for the purpose of assessing the local content.

That the local content for all inputs which constitute the said medical device has been verified by me and I am responsible for the correctness of the claims made therein.

That in the event of the domestic value addition of the product mentioned herein is found to be incorrect and not meeting the prescribed value-addition norms, based on the assessment of an authority so nominated by the Department of Pharmaceuticals, Government of India for the purpose of assessing the local content, action will be taken against me as per Order No. P-45021/2/2017-B.E.-II dated 15.06.2017 and Guidelines issued vide letter no. 31026/36/2016-MD dated 18.05.2018.

I agree to maintain the following information in the Company's record for a period of 8 years and shall make this available for verification to any statutory authority:

i) Name and details of the Domestic Manufacturer (Registered Office, Manufacturing unit location, nature of legal entity)
ii) Date on which this certificate is issued
iii) Medical devices for which the certificate is produced
iv) Procuring entity to whom the certificate is furnished
v) Percentage of local content claimed
vi) Name and contact details of the unit of the manufacturer
vii) Sale Price of the product
viii) Ex-Factory Price of the product
ix) Freight, insurance and handling
x) Total Bill of Material
xi) List and total cost value of inputs used for manufacture of the medical device
xii) List and total cost of inputs which are domestically sourced. Value addition certificates from suppliers, if the input is not in- house to be attached.
xiii) List and cost of inputs which are imported, directly or indirectly

For and on behalf of **(Name of firm/entity)**

Authorized signatory (To be duly authorized by the Board of Director)