

**DOMESTIC TENDER ENQUIRY DOCUMENT**

**FOR ESTABLISHING RATE CONTRACT & PROCUREMENT OF  
MEDICAL EQUIPMENT**

**HITES/PCD/MP/CLINICAL/RC-03/19-20**

*Through*



**HLL INFRA TECH SERVICES LIMITED**

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

B-14 A, Sector-62, Noida-201 307

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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](http://www.hllhites.com)**  
**Email: [pcd@hllhites.com](mailto:pcd@hllhites.com)**

**Tender Enquiry No.: HITES/PCD/MP/CLINICAL/RC-03/19-20 dated 01.06.2019.**

- (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 of HITES.

| S.No. | Rfx. No.   | Name of the Items   | EMD           | Tender Processing Fee | Pre Bid Date |
|-------|------------|---|---------------|-----------------------|--------------|
| 1     | 3000004049 | Indirect Ophthalmoscope   | Rs. 70,400    | Rs. 2,360             | 13-06-2019   |
| 2     | 3000004050 | Slit lamp with Applanation Tonometer                            | Rs. 2,52,000  | Rs. 2,360             | 13-06-2019   |
| 3     | 3000004051 | Operating microscope  | Rs. 3,60,000  | Rs. 2,360             | 13-06-2019   |
| 4     | 3000004052 | Cataract set  | Rs. 64,000    | Rs. 2,360             | 13-06-2019   |
| 5     | 3000004053 | Glaucoma set  | Rs. 16,000    | Rs. 2,360             | 13-06-2019   |
| 6     | 3000004054 | DCT/ DCRR set   | Rs. 42,000    | Rs. 2,360             | 13-06-2019   |
| 7     | 3000004055 | Entropion set   | Rs. 32,000    | Rs. 2,360             | 13-06-2019   |
| 8     | 3000004056 | Enucleation set   | Rs. 30,000    | Rs. 2,360             | 13-06-2019   |
| 9     | 3000004057 | Evisceration set  | Rs. 14,000    | Rs. 2,360             | 13-06-2019   |
| 10    | 3000004058 | Squint set  | Rs. 28,000    | Rs. 2,360             | 13-06-2019   |
| 11    | 3000004059 | Photo Slit lamp   | Rs. 2,80,000  | Rs. 2,360             | 13-06-2019   |
| 12    | 3000004060 | Automated Refracto Keratometer                                  | Rs. 56,000    | Rs. 2,360             | 13-06-2019   |
| 13    | 3000004061 | Phaco Set   | Rs. 42,000    | Rs. 2,360             | 13-06-2019   |
| 14    | 3000004062 | Automated Perimeter   | Rs. 4,20,000  | Rs. 2,360             | 13-06-2019   |
| 15    | 3000004063 | Phaco machine   | Rs. 3,50,000  | Rs. 2,360             | 13-06-2019   |
| 16    | 3000004064 | ND Yag laser  | Rs. 3,08,000  | Rs. 2,360             | 13-06-2019   |
| 17    | 3000004065 | OCT   | Rs. 6,30,000  | Rs. 2,360             | 13-06-2019   |
| 18    | 3000004066 | Ophthalmology Group Items                                       | Rs. 1,29,300  | Rs. 2,360             | 13-06-2019   |
| 19    | 3000004067 | Sterilizer- Flash- 50 L- Approx                                 | Rs. 42,000    | Rs. 2,360             | 14-06-2019   |
| 20    | 3000004068 | Endoscopes and Full HDTV Endoscopic video camera with Recording | Rs. 14,00,000 | Rs. 2,360             | 14-06-2019   |
| 21    | 3000004069 | Ent Workstation   | Rs. 4,20,000  | Rs. 2,360             | 14-06-2019   |
| 22    | 3000004070 | Shaver System Cum Micro Drill                                   | Rs. 2,80,000  | Rs. 2,360             | 14-06-2019   |
| 23    | 3000004071 | Ent Surgery Set   | Rs. 9,80,000  | Rs. 2,360             | 14-06-2019   |
| 24    | 3000004072 | Endoscopic Sinus Surgery Set                                    | Rs. 2,10,000  | Rs. 2,360             | 14-06-2019   |
| 25    | 3000004073 | Oesophagoscopy set  | Rs. 2,10,000  | Rs. 2,360             | 14-06-2019   |
| 26    | 3000004074 | Bronchoscopy set  | Rs. 2,80,000  | Rs. 2,360             | 14-06-2019   |
| 27    | 3000004075 | ENT Operating microscope  | Rs. 11,20,000 | Rs. 2,360             | 14-06-2019   |
| 28    | 3000004076 | Puretone audiometer   | Rs. 70,000    | Rs. 2,360             | 14-06-2019   |
| 29    | 3000004077 | Brainstem evoked response audiometer with ASSR                  | Rs. 1,40,000  | Rs. 2,360             | 14-06-2019   |
| 30    | 3000004078 | Impedance audiometer/ Tympanometer                              | Rs. 70,000    | Rs. 2,360             | 14-06-2019   |
| 31    | 3000004079 | OAE (Otoacoustic Emission )                                     | Rs. 98,000    | Rs. 2,360             | 14-06-2019   |
| 32    | 3000004080 | Flexible Rhino Pharyngo Laryngoscope                            | Rs. 1,40,000  | Rs. 2,360             | 14-06-2019   |
| 33    | 3000004081 | Videonystagmographic Machine (VNG)                              | Rs. 1,40,000  | Rs. 2,360             | 14-06-2019   |
| 34    | 3000004082 | Led Head Light  | Rs. 3,78,000  | Rs. 2,360             | 14-06-2019   |

**Note:**

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

(2) Tender timeline:

| Sl. No. | Description   | Schedule  |
|---------|---|---|
| a.      | Last date for receipt of Pre-bid queries  | 10.06.2019, 10.00 hrs   |
| b.      | Pre-bid meeting date, time &venue   | Date : <b>As mentioned in Table above,</b><br>Time: 11:00 hrs<br><b>Conference Hall, GMC Vidsha</b><br>NH-86, In-front of Khel Parisar, Sanchi Road, Vidisha- 464001- MP. |
| c.      | Closing date & time for submission of online bids   | 28.06.2019, 13:00 hrs   |
| d.      | Closing date & time for submission of <b>tender processing fee and EMD in physical form*</b>              | 28.06.2019, 14:00 hrs   |
| e.      | Time and date of opening of online bids   | 28.06.2019, 14:30 hrs   |
| f.      | Venue for :-<br>• Submission of tender processing fee, EMD in physical form.<br>• Tender Opening-Tech Bid | HLL Infra Tech Services Limited,<br>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-B Digital Signature Certificate with encryption.
- (2) Bidders are requested to read the bidders help document on e-tender web site link before proceeding for bidding.
- (3) The prospective bidders have to register with the E-procurement system of HLL at <https://etender.lifecarehll.com/irj/portal>. On completion of the registration process, the bidders will be provided user ID and password within 48 hours (excluding non-working days). In order to submit the bids electronically, bidders are required to have a valid Class 3-B Digital Signature Certificate (signing and encryption/ decryption certificates).
- (4) Post receipt of User ID & Password, Bidders can log on for downloading & uploading tender document.
- (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](http://www.hllhites.com) or [www.lifecarehll.com](http://www.lifecarehll.com) or [www.eprocure.gov.in/cppp](http://www.eprocure.gov.in/cppp) or <https://etender.lifecarehll.com/irj/portal>.
- (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 9 above.
- (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-bid meeting
- (10) All prospective tenderers may attend the Pre Tender meeting. The venue, date and time indicated above.
- (11) Bidders shall ensure that their bids complete in all respects, are submitted online through HLL's e-portal (as described above) ONLY. No DEVIATION is acceptable.
- (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 bid submission

**IMPORTANT NOTE:-**

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

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

**CEO  
HLL Infra Tech Services Limited**

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## GENERAL INSTRUCTIONS TO TENDERERS (GIT)

### A. PREAMBLE

#### 1. Definitions and Abbreviations

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

#### 1.2 Definitions:

- i. **“Purchaser”** means the organization purchasing goods and services.
- 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 the contract.
- vi. **“Services”** means services allied and incidental to the supply of goods, such as transportation, installation, commissioning, provision of technical assistance, training, after sales service, maintenance service and other such obligations of the supplier covered under the contract.
- vii. **“Earnest Money Deposit”** EMD means Bid Security / monetary or financial guarantee to be furnished by a bidder.
- 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 contract period.
- x. **“Supply Order”** means an order on a contractor to supply against Rate Contract. The term “Requisition” will not be used.
- 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 Security Deposit.
- 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 ultimate consignee.
- xiii. **“Specification”** means the document/standard that prescribes the requirement with which goods or service has to conform.
- 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 determine conformity.
- xv. **“Day”** means calendar day.
- 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 this order.
- 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 in percent.
- 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 purchase preference.

### 1.3 Abbreviations:

- i. "T E Document" means Tender Enquiry Document
- ii. "NIT" means Notice Inviting Tenders
- iii. "GIT" means General Instructions to Tenderers
- iv. "SIT" means Special Instructions to Tenderers
- v. "GCC" means General Conditions of Contract
- vi. "SCC" means Special Conditions of Contract
- vii. "NSIC" means National Small Industries Corporation
- viii. "PSU" means Public Sector Undertaking
- ix. "CPSU" means Central Public Sector Undertaking
- x. "LSI" means Large Scale Industries
- xi. "MSEs" means Micro & Small Enterprises
- xii. "LC" means Letter of Credit
- xiii. "DP" means Deliver Period
- xiv. "BG" means Bank Guarantee
- xv. "GST" means Goods and Service Tax
- xvi. "CD" means Custom Duty
- xvii. "RR" means Railway Receipt
- xviii. "BL" means Bill of Lading
- xix. "EXW" means Ex-Works
- xx. "FOB" means Free on Board
- xxi. "FCA" means Free Carrier
- xxii. "FOR" means Free on Rail
- xxiii. "CIF" means Cost, Insurance and Freight
- 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 (consignee site)
- xxvi. "INCONTERMS" means International Commercial Terms as on the date of Tender Opening
- xxvii. "MoHFW" means Ministry of Health & Family Welfare, Government of India
- xxviii. "CMC" means Comprehensive maintenance Contract (labour, spare and preventive maintenance)
- xxix. "RT" means Re-Tender
- xxx. "RC" means Rate Contract
- xxxi. "SO" means Supply Order.

## 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 of delivery.
- 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 of contract.
- 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 the GIT.
- 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 its tender.

- 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 following sections:
- a. General Instructions to Tenderers – Section II
  - b. Special Instructions to Tenderers – Section III
  - c. General Conditions of Contract – Section IV
  - d. Special Conditions of Contract – Section V
  - e. List of Requirements – Section VI
  - f. All other contents of the Tender Enquiry Document as mentioned in clause 8.1

### **3. Rate Contract / Parallel Rate Contract**

- 3.1 Purchaser reserves the rights for placement of Rate Contract/conclusion of parallel Rate contracts. The Purchaser(s) also reserve(s) right (1) to enter into parallel Rate Contract(s) simultaneously or at any time during the period of the rate contract with one or more bidder(s) as he/they may think fit and (2) to place ad-hoc contract or contracts simultaneously or at any time during the period of this contract with one or more supplier(s) / bidder(s) for such quantity of such item or items as the Purchaser (whose decision shall be final) may determine.
- 3.2 Purchaser also reserves the right to arrive at reasonable eligible L-1 price and make counter offers to higher quoting eligible firms for awarding Parallel Rate Contracts.
- 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 shall prevail.

### **5. Eligible Bidders**

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

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

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 ENQUIRY DOCUMENTS

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 document include:

- Section II - General Instructions to Tenderers (GIT)
- Section III - Special Instructions to Tenderers (SIT)
- Section IV - General Conditions of Contract (GCC)
- Section V - Special Conditions of Contract (SCC)
- Section VI - List of Requirements
- Section VII - Technical Specification
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- Section XXII - Revocation-cum-cancellation letter
- 

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 proceed further.

### 9. Amendments to TE document

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 that deadline.

### 10. Clarification of TE document

10.1 A tenderer requiring any clarification or elucidation on any issue of the TE documents may take up the same with the purchaser in writing on their letter head duly signed and scanned through email to [pcd@hllhites.com](mailto:pcd@hllhites.com) and [bmenoida@hllhites.com](mailto:bmenoida@hllhites.com). The purchaser will respond to such request provided the same is received by the purchaser **within the due date mentioned in the NIT. Any queries/representations received later shall not be taken into cognizance.**

## C. PREPARATION OF e TENDERS

### 11. Documents Comprising the Tender

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

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

Note:

- (i) The Tender Processing Fee and EMD, in favor of HLL Infra Tech Services Ltd, are to be submitted in physical form as per Section - I, Notice Inviting Tender, of this tender enquiry.
- (ii) The bidders have to follow the steps listed in *Bidding Manual – Attachment Mode* available in the *Bidder Help Documents* of e-tender portal login screen for uploading the Techno-Commercial Bid.

#### A) **Details of Technical Tender (Un priced Tender)**

Bidders shall furnish the following information along with technical tender:

- i) Techno-Commercial Bid in excel format provided with the tender enquiry
- ii) Earnest money Deposit (EMD) furnished in accordance with GIT clause 19.1 alternatively, documentary evidence as per GIT clause 19.2 for claiming exemption from payment of earnest money.
- iii) Tender Form as per Section X (without indicating any prices).
- iv) Documentary evidence, as necessary in terms of clauses 5 and 17 establishing that the tenderer is eligible to submit the tender and, also, qualified to perform the contract if its tender is accepted.
- v) Tenderer/Agent who quotes for goods manufactured by other manufacturer shall furnish Manufacturer's Authorization strictly as per the prescribed format (Section - XIV).
- vi) Power of Attorney issued by Competent Authority in favour of the person who is digitally signing/ uploading the tender(s).
- vii) Documents and relevant details to establish in accordance with GIT clause 18 that the goods and the allied services to be supplied by the tenderer conform to the requirement of the TE documents.
- viii) Performance Statement as per section IX along with relevant copies of orders and end users' satisfaction certificate.
- ix) Price Schedule(s) as per Section XI filled up with all the details including Make, Model etc. of the goods offered with prices blank (without indicating any prices).
- x) Certificate of Incorporation.
- xi) Self-Attested copies of GST registration certificate and PAN Card.
- xii) Non conviction /no pending conviction certification issued by Notary on judicial stamp paper for preceding three years.
- xiii) Self-Attested copies of quality certificates i.e. ISO/ US FDA /CE /BIS Certificates issued by competent authority, if applicable.
- xiv) Documentary evidence stating the status of bidder.
- xv) List of procurement agencies of repute to which the tendered product have been supplied during last 12 months.
- xvi) Self-attested copies of annual report, audited balance sheet and profit & loss account for preceding three years from the date of tender opening.
- xvii) Notarized affidavit that tenderer does not have any relation with the person authorized to evaluate technically or involve in finalizing the tender or will decide the use of tendered items.
- xviii) A self-declaration on Rs. 10/-non-judicial Stamp Paper that the rates quoted in the tender are the lowest and not quoted less than this to any Government Institution (State/Central/ other Institute in India).
- xix) Copies of original product catalogues / data sheet must be enclosed of all quoted items.

- xx) ***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 pact clauses. Bids submitted without signing the integrity pact will be ab initio rejected without assigning any reason.***

**B) Price Bid:**

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

Note:

- (i) The bidder has to be diligent while filling up the Techno-Commercial Bid and Price Bid provided in excel formats and must not tamper with the contents of the sheets.
  - (ii) It is the responsibility of bidder to go through the TE document to ensure furnishing all required documents in addition to above, if any.
  - (iii) The bidders have to follow the steps listed in *Bidding Manual – Attachment Mode* available in the *Bidder Help Documents* of e-tender portal login screen for uploading the Price Bid.
- 11.2 A person signing (manually or digitally) the tender form or any documents forming part of the contract on behalf of another shall be deemed to warrant that he has authority to bind such other persons and if, on enquiry, it appears that the persons so signing had no authority to do so, the purchaser may, without prejudice to other civil and criminal remedies, cancel the contract and hold the signatory liable for all cost and damages.
- 11.3 A tender, which does not fulfill any of the above requirements and/or give evasive information/reply against any such requirement, shall be liable to be ignored.
- 11.4 Tender sent by fax/telex/cable shall be ignored.

**12. Tender Currencies**

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

**13. Tender Prices**

- 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 as required.
- 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 already supplied.
- 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-showroom etc.
- 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 Supply Order).
- 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 and Taxes:**

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 entertained later.

### 13.5.2 **Goods and Services Tax (GST) :**

- a. If a tenderer asks for Goods and Services Tax to be paid extra, the rate and nature of Goods and Services Tax applicable should be shown separately. The Goods and Services Tax will be paid as per the rate at which it is liable to be assessed or has actually been assessed provided the transaction is legally liable to Goods and Services Tax and is payable as per the terms of the contract. If any refund of Tax is received at a later date, the Supplier must return the amount forth-with to the purchaser.
- b. In case within the delivery period stipulated in the contract, there is an increase in the statutory taxes like GST, Custom Duty, or fresh imposition of taxes which may be levied in respect of the goods and services specified in the contract, reimbursement of these statutory variation shall be allowed to the extent of actual quantum of taxes paid by the supplier. This benefit, however, cannot be availed by the supplier in case the period of delivery is extended due to unexcused delay by the supplier.
- c. But nevertheless, the Purchaser/Consignee shall be entitled to the benefit of any decrease in price on account of reduction in or remission of customs duty and/or GST or any other duty or tax or levy or on account of any other grounds. In case of downward revision in taxes/duties, the actual quantum of reduction of 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 restrict the purchaser's right to award the contract on the selected bidder on any of the terms offered.

## 14. **Indian Agent - Deleted**

## 15. **Firm Price**

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 any account.

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

## 16. **Delivery Period**

16.1 The delivery period of the goods will be as mentioned in Section VI- List of requirement. 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 and Qualifications**

17.1 Pursuant to GIT clause 11, the bidder shall furnish, as part of its tender, relevant details and documents establishing its eligibility to quote and its qualifications to perform the contract if its tender is accepted.

17.2 The documentary evidence needed to establish the 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 this document.
- 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 technical specifications.

**18. Documents establishing Goods' Conformity to TE document.**

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 its tender.

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

18.3 If a bidder furnishes wrong and/or misleading data, statement(s) etc. about technical acceptability of the goods and services offered by it, its tender will be liable to be ignored and rejected in addition to other remedies available to the purchaser in this regard.

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

19.1 Pursuant to GIT clauses 8.1 and 11.1 the 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 may be).

**A) The MSE's Bidder to note and ensure that nature of services and goods/items manufactured mentioned in MSE's certificate matches with the nature of the services and goods /items to be supplied as per Tender.**

**B) Traders/resellers/distributors/authorized agents will not be considered for availing benefits under PP Policy 2012 for MSEs as per MSE guidelines issued by MoMSME.**

- 19.3 The earnest money shall be denominated in Indian Rupees as per GIT clause 12.1. The earnest money shall be furnished in one of the following forms:
- i. Account Payee Demand Draft
  - ii. Banker's cheque
  - iii. Bank Guarantee
  - 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 these documents.
- 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 opening date.
- 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 specified period.
- 20. A. Tender validity**
- 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 and rejected.
  - 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 its EMD.

- 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 working day.

## 20. B. Alternative Tenders

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 3B digital signature certificate

## D. SUBMISSION OF TENDERS

### 22. Submission of Tenders

22.1 The tender shall be submitted online only.

- (i) Pre-qualification and Technical compliance along with the **Techno-Commercial Bid** in excel format:
- a) Scanned copies of tender processing fee and EMD
  - b) Manufacturer's authorization 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 the manufacturer).
  - c) Tender Form as per Section X.
  - d) Compliance of all terms and conditions of TED like- warranty, CMC, delivery period, delivery terms, payment terms, Liquidated Damages Clause, Arbitration clause, etc on letter head.
  - e) Declaration regarding Fall Clause and Deregistration, debarment from any Govt Dept/ Agencies
  - f) Copy of PAN & GST Registration Certificate.
  - g) Certificate of Incorporation/ or a Declaration in case the firm is being a proprietary firm.
  - h) Abridged Annual report of last 03 years (Balance sheet and Profit & Loss Account) completed till March 2017, in pdf format.
  - i) Name, address and details of account with respect to bidder.
  - j) Quality Control Requirements as per Section VIII clearly indicating the production capacity.
  - k) Performance statement along with required PO copies and its corresponding end user's satisfactory performance certificate as per section IX.
  - l) Technical Bid along with clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications along with product catalogue and data sheet in the tender enquiry.

- m) 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, in India.
- 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) PRICE BID**

- a) The tenderers must ensure that they submit the Price Bid in prescribed format uploaded along with the tender enquiry. It is the responsibility of the bidder to ensure that the contents of the format are not tampered.
- b) The tenderers must ensure that they submit the on-line tenders not later than the closing time and date specified for submission of tenders.
- c) Along with price bid recent purchase order copies for the same model and technical configuration issued by institute of National importance and/or reputed central/state government hospitals should be uploaded in pdf form for reasonability of the offered price.
- d) The bidder should submit the copy of original proforma invoice from the foreign manufacturer along with the price bid.
- e) The supplier shall justify the present quotes based on previous purchase orders for similar project executed either in India or Globally. If they quote any new model or upgraded version of earlier model, they may mention the same in their tender.

- 22.2 The 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 of Tender**

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

**E. Opening of e-Tenders**

**25. Opening of e-tenders**

- 25.1 The purchaser will open the e-tenders at the specified date and time and at the specified place as indicated in the NIT. In case the specified date of tender opening falls on / is subsequently declared a holiday or closed day for the purchaser, the tenders will be opened at the appointed time and place on the next working day.
- 25.2 Authorized representatives of the 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 and addresses.

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

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

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

### **26. Basic Principle**

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 of Tenders**

27.1 The Purchaser will examine the Tenders to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished and, whether the documents uploaded are in legible form.

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

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

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

- (i) Tender validity is shorter than the required period.
- (ii) Required EMD or its exemption documents have not been provided.
- (iii) Tenderer has not agreed to give the required performance security of required amount in an acceptable form in terms of GCC clause 5, read with modification, if any, in Section - V – "Special Conditions of Contract", for due performance of the contract.
- (iv) Poor/ unsatisfactory past performance.
- (v) Tenderers who stand deregistered/banned/blacklisted by any Govt. Authorities.
- (vi) Tenderer is not eligible as per GIT Clauses 5.1 & 17.1.
- (vii) Tenderer has not agreed to other essential condition(s) specially incorporated in the tender enquiry, like delivery terms, delivery schedule, terms of payment, liquidated damages clause, warranty clause, dispute resolution mechanism applicable law.

### **28. Minor Informality/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 be ignored.

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

## **29 Discrepancies in Prices**

- 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 corrected accordingly.
- 29.2 If there is an error in a total price, which has been worked out through addition and/or subtraction of subtotals shall prevail and the total corrected; and
- 29.3 If there is a discrepancy between the amount expressed in words and figures, the amount in words shall prevail, subject to sub clause 29.1 and 29.2 above.
- 29.4 If, as per the judgement of the purchaser, there is any such arithmetical discrepancy in a tender the same will be suitably conveyed to the bidder. If the bidder does not agree to the observation of the purchaser, the tender is liable to be ignored.

## **30 Qualification Criteria**

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

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

**The Notification is available in the below link:**

[http://www.finmin.nic.in/the\\_ministry/dept\\_expenditure/ppcell/RelaxNorms\\_StarupMedEnterprise\\_25072016.pdf](http://www.finmin.nic.in/the_ministry/dept_expenditure/ppcell/RelaxNorms_StarupMedEnterprise_25072016.pdf)

The FAQs are available in the below link:

[http://dipp.nic.in/English/Investor/startupindia/FAQs\\_StartupIndia\\_30March2016.pdf](http://dipp.nic.in/English/Investor/startupindia/FAQs_StartupIndia_30March2016.pdf)

## **31 Deleted**

## **32 Schedule-wise Evaluation**

- 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 the tender.

## **33 Comparison of Tenders**

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 Responsive Tenders**

- 34.1 Further to GIT Clause 34 above, the purchaser’s evaluation of a tender will include and take into account the following:
- i) In the case of goods manufactured in India or goods of foreign origin already located in India, 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 indicated therein.
- 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 responsive tenders.
- i. In exercise of powers conferred in Section 11 of the Micro, Small and Medium Enterprises Development (MSMED) Act 2006, the Government has notified a new Public Procurement Policy for Micro & Small Enterprises effective from 1<sup>st</sup> 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 tender requirements and the L 1 price, the 4% quantity earmarked for MSEs owned by SC/ST entrepreneurs will be met from other participating MSEs.
  - iii. The MSEs fulfilling the prescribed eligibility criteria and participating in the tender shall enclose with their tender a copy of their valid registration certificate with District Industries Centres or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or any other body specified by Ministry of Micro and Small enterprises in support of their being an MSE, failing which their tender will be liable to be ignored.
  - 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 by women.

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

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

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 orders thereof;

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 the contract**

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 each schedule.

35.2 The above mentioned determination will, inter alia, 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 the purchaser.

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

### **36 Contacting the Purchaser**

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 the purchaser.

## **G. AWARD OF RATE CONTRACT**

### **37 Purchaser's Right to accept any tender and to reject any or all tenders**

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 Award Criteria**

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 Clause 35.

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 rate contracts.

### **39 Letter of Award**

- 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 prices accepted.
- 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 Section IV.
- 39.3 The Supply Orders placed against the Rate Contract constitute the conclusion of the contract.

#### **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 successful bidder/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/speed post.

#### **41 Non-receipt of Performance Security and contract by the Purchaser/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 Tender Result**

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 examination clause**

- 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 statute, rules or orders and shall be binding on the contractor.
- 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 clause 44.1.



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 reasonable level.

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 his agencies.

#### **45 Integrity Pact**

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 duly signed.

#### **46 Cartel Formation**

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 two years.

**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 to 24       | 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 text below:

In case of any conflict between the provision in the GIT and that in the SIT, the provision contained in the SIT shall prevail.

**SUBMISSION OF e-TENDERS**

- (i) All the necessary documents as prescribed in the NIT shall be prepared and scanned in different files (in PDF format as prescribed) and uploaded for on-line submission of Proposal.
- (ii) Except Tender Processing Fee and EMD, all document(s)/ information(s) including the Financial Proposal (i.e. FORMAT FOR SUBMISSION OF FINANCIAL PROPOSAL) should be uploaded **online only** in the prescribed format given in the website. No other mode of submission shall be acceptable.
  - i) The prospective bidders may **scan the documents in low resolution (75 to 100 DPI)** instead of 200 DPI. The documents may be scanned for further lower resolution (if possible). This would reduce the size of the Cover and would be uploaded faster.
  - ii) The Individual file size of uploading is restricted up to 5 MB. Bidders may upload multiple files (Not exceeding 5 MB individually) & give relevant file name indicating the contents.
  - iii) The file name of price bid should match the file of the price bid format uploaded by the purchaser in the portal. This can be downloaded from the **Notes & Attachment** under **Details** of item when the event is in **Display Mode**.

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

**TABLE OF CLAUSES**

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**GENERAL CONDITIONS OF CONTRACT (GCC)**

## **1. Application**

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

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

- 2.1 The supplier shall not, without the purchaser’s prior written consent, disclose the contract or any provision thereof including any specification, drawing, sample or any information furnished by or on behalf of the purchaser in connection therewith, to any person other than the person(s) employed by the supplier in the performance of the contract emanating from this TE document. Further, any such disclosure to any such employed person shall be made in confidence and only so far as necessary for the purposes of such performance for this contract.
- 2.2 Further, the supplier shall not, without the purchaser’s prior written consent, make use of any document or information mentioned in GCC sub-clause 2.1 above except for the sole purpose of performing this contract.
- 2.3 Except the contract issued to the supplier, each and every other document mentioned in GCC sub-clause 2.1 above shall remain the property of the purchaser and, if advised by the purchaser, all copies of all such documents shall be returned to the purchaser on completion of the supplier’s performance and obligations under this contract.

## **3. Patent Rights**

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

## **4. Country of Origin**

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

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

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

## **5. Performance Security**

5.1 Within 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 detailed below:

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

5.3 In the event of any failure /default of the supplier with or without any quantifiable loss to the government/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 the Government/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, as amended.

5.5 The supplier shall enter into Annual Comprehensive Maintenance Contract as per the ‘Contract Form – B’ in Section XVI with respective consignees, 3 (three) months prior to the completion of Warranty Period. The AMC will commence from the date of expiry of the Warranty Period.

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

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

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

## **7. Packing and Marking**

7.1 The packing for the goods to be provided by the supplier should be strong and durable enough to withstand, without limitation, (the entire journey during transit 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 the contract.

7.2 The quality of packing, the manner of marking within & outside the packages and provision of accompanying documentation shall strictly comply with the requirements as provided in Technical Specifications and 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 supplier accordingly.

7.3 Packing instructions:

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 and date
- b. Brief description of goods including quantity
- c. Packing list reference number
- d. Country of origin of goods
- e. Consignee's name and full address and
- f. Supplier's name and address

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

8.1 The 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 consequences thereof.

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 the purchaser.

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 tests again.

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 the contract.

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 the contract.

- 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 been inspected and cleared by purchaser's inspector during pre-despatch inspection mentioned above. On rejection the supplier shall remove such stores within 14 days of the date of intimation of such rejection from 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 paid for.
- 8.8 Goods accepted by the purchaser/consignee and/or its inspector at initial inspection and in final inspection in terms of the contract shall in no way dilute purchaser's/consignee's right to reject the same later, if found deficient in terms of the warranty clause of the contract, as incorporated under GCC Clause 15.

## **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 of Goods**

**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 or delivery.

## **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 their prices:

- a) Spare Parts list and prices of parts, consumables should be mentioned clearly and quoted. Bidder should also mention regarding the availability of spares for at least ten years.
- 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 is discontinued:
  - i. Sufficient advance notice to the Purchaser/Consignee before such discontinuation to provide adequate time to the purchaser to purchase the required spare parts etc., and
  - ii. Immediately following such discontinuation, providing the Purchaser/Consignee, free of cost, the designs, drawings, layouts and specifications of the spare parts, as and if requested by the Purchaser/Consignee.

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

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

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

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

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

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

### 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 the SCC.
- i. No conditional warranty will be acceptable.
  - ii. Warranty as well as Comprehensive Maintenance contract will be inclusive of all accessories and Site Modification work and it will also cover the following wherever applicable:-
    - a) Any kind of motor.
    - b) Plastic & Glass Parts against any manufacturing defects.
    - c) All kind of sensors.
    - d) All kind of coils, probes and transducers.
    - e) Printers and imagers including laser and thermal printers with all parts.
    - f) UPS including the replacement of batteries.
    - g) Air-conditioners
  - iii. Replacement and repair will be under taken for the defective goods.
    - a) All kinds of painting, civil, HVAC and electrical work
  - iv. Proper marking has to be made for all spares for identification like printing of installation and repair dates.
- 15.3 In case of any claim arising out of this warranty, the Purchaser/Consignee shall promptly notify the same in writing to the supplier. The period of the warranty will be as per G.C.C clause number 15.2 above irrespective of any other period mentioned elsewhere in the bidding documents.
- 15.4 Upon receipt of such notice, the supplier shall, within 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 tender conditions.
- 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 the supplier.
- 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 the supplier.
- 15.7 During Warranty period, the supplier is required to visit at each consignee's site at least once in 6 months commencing from the date of the installation for preventive maintenance of the goods
- 15.8 The Purchaser/Consignee reserve the rights to enter into Annual Comprehensive Maintenance Contract between Consignee and the Supplier for the period as mentioned in Section VII, Technical Specifications after the completion of warranty period.
- 15.9 The supplier along with its Indian Agent and the CMC provider shall ensure continued supply of the spare parts for the machines and equipment supplied by them to the purchaser for 10 years from the date of installation and handing over.

## **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 the contract.
- 17.2 Sub contract shall be only for bought out items and sub-assemblies.
- 17.3 Sub contracts shall also comply with the provisions of GCC Clause 4 (“Country of Origin”).

**18. Modification of contract**

- 18.1 If necessary, the purchaser may, by a written order given to the supplier at any time during the currency of the contract, amend the contract by making alterations and modifications within the general scope of contract in any one or more of the following:
  - a) Specifications, drawings, designs etc. where goods to be supplied under the contract are to be specially manufactured for the purchaser,
  - b) Mode of packing,
  - c) Incidental services to be provided by the supplier
  - d) Mode of despatch,
  - e) Place of delivery, and
  - f) Any other area(s) of the contract, as felt necessary by the purchaser depending on the merits of the case.
- 18.2 In the event of any such modification/alteration causing increase or decrease in the cost of goods and services to be supplied and provided, or in the time required by the supplier to perform any obligation under the contract, an equitable adjustment shall be made in the contract price and/or contract delivery schedule, as the case may be, and the contract amended accordingly. If the supplier doesn't agree to the adjustment made by the Purchaser/Consignee, the supplier shall convey its views to the Purchaser/Consignee within twenty-one days from the date of the supplier's receipt of the Purchaser's/Consignee's amendment / modification of the contract.

**19. Prices**

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 the SCC.

**20. Taxes and Duties**

- 20.1 For goods manufactured outside the Purchaser's Country, the Supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the Purchaser's Country.
- 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 the Purchaser.
- 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 allowable extent.

**21. Terms and Mode of Payment**

**21.1 Payment Terms**

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) On delivery:**

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 total amount;
- (ii) Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of the consignee;
- (iii) Two copies of packing list identifying contents of each package;
- (iv) Inspection certificate issued by the nominated Inspection agency, if any.
- (v) Insurance Certificate as per GCC Clause 11
- (vi) Certificate of origin (in case the goods are of foreign origin).

**B) On Acceptance:**

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, if applicable:**

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 CMC period.

- 21.2 The supplier shall not claim any interest on payments under the contract.
- 21.3 Where there is a statutory requirement for tax deduction at source, such deduction towards income tax and other tax as applicable will be made from the bills payable to the Supplier at rates as notified from time to time.
- 21.4 Deleted
- 21.5 The payment shall be made in the currency / currencies authorised in the contract.
- 21.6 The supplier shall send its claim for payment in writing, when contractually due, along with relevant documents etc., duly signed with date, to respective consignees.
- 21.7 While claiming payment, the supplier is also to certify in the bill that the payment being claimed is strictly in terms of the contract and all the obligations on the part of the supplier for claiming that payment has been fulfilled as required under the contract.
- 21.8 While claiming reimbursement of duties, taxes etc. (like sales tax, excise duty, custom duty) from the Purchaser/Consignee, as and if permitted under the contract, the supplier shall also certify that, in case it

gets any refund out of such taxes and duties from the concerned authorities at a later date, it (the supplier) shall refund to the Purchaser/Consignee forthwith.

- 21.9 In case where the supplier is not in a position to submit its bill for the balance payment for want of receipted copies of Inspection Note from the consignee and the consignee has not complained about the non-receipt, shortage, or defects in the supplies made, balance amount will be paid by the paying authority without consignee's receipt certificate after three months from the date of the preceding part payment for the goods in question, subject to the following conditions:
- (a) The supplier will make good any defect or deficiency that the consignee (s) may report within six months from the date of despatch of goods.
  - (b) Delay in supplies, if any, has been regularized.
  - (c) The contract price where it is subject to variation has been finalized.
  - (d) The supplier furnishes the following undertakings:

"I/We, \_\_\_\_\_ certify that I/We have not received back the 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 balance payment.

## 22. Delivery Schedule

- 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 the Contract.**
- 22.2 Subject to the provision under GCC clause 26, any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions:
- (i) Imposition of liquidated damages,
  - (ii) Forfeiture of its performance security and
  - (iii) Termination of the contract for default.
- 22.3 If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform the Purchaser/Consignee in writing about the same and its likely duration and make a request to the Purchaser/Consignee for extension of the delivery schedule accordingly. On receiving the supplier's communication, the Purchaser shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.
- 22.4 When the period of delivery is extended due to unexcused delay by the supplier, the amendment letter extending the delivery period shall, inter alia contain the following conditions:
- a) The Purchaser shall recover from the supplier, under the provisions of the clause 23 of the General Conditions of Contract, liquidated damages on the goods and services, which the Supplier has failed to deliver within the delivery period stipulated in the contract.
  - b) That no increase in price on account of any ground, whatsoever, including any stipulation in the contract for increase in price on any other ground and, also including statutory increase in or fresh imposition of GST or on account of any other tax or duty which may be levied in respect of the goods and services specified in the contract, which takes place after the date of delivery stipulated in the contract shall be admissible on such of the said goods and services as are delivered and performed after the date of the delivery stipulated in the contract.
  - c) But nevertheless, the Purchaser 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 the contract.

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

## **22.6 Passing of Property:**

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

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

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

## **23. Liquidated damages**

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 for default**

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 and 22.4.

24.2 In the event of the Purchaser terminating the contract in whole or in part, pursuant to GCC sub-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 not terminated.

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 the Contract.

## **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 the Purchaser.

25.2 Termination for Convenience

- (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 becomes effective.
- (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 may elect:
  - (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 the Supplier.

**26. Force Majeure**

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

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

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

26.5 In case due to a Force Majeure event the Purchaser/Consignee is unable to fulfil its contractual commitment and responsibility, the Purchaser/Consignee will notify the supplier accordingly and subsequent actions taken on similar lines described in above sub-paragraphs.

**27. Purchaser's Right to Short Close/Revocation/Cancellation of the Rate Contract**

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 concluded separately.

- 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 short closure.

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 **Section XXII**.

## **28. Governing language**

- 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 English language.

## **29. Notices**

- 29.1 Notice, if any, relating to the contract given by one party to the other, shall be sent in writing or by 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 the contract.
- 29.2 The effective date of a notice shall be either the date when delivered to the recipient or the effective date specifically mentioned in the notice, whichever is later.

## **30. Resolution of disputes**

- 30.1 If dispute or difference of any kind shall arise between the Purchaser/Consignee and the supplier in connection with or relating to the Rate Contract, the parties shall make every effort to resolve the same amicably by mutual consultations.
- 30.2 If the parties fail to resolve their dispute or difference by such mutual consultation within twenty-one days of its occurrence, then, unless otherwise provided in the SCC, either the Purchaser/Consignee or the supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided the applicable arbitration procedure will be as per the Arbitration and Conciliation Act, 1996 of India. 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. Applicable Law**

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

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

Whenever any claim for payment arises under the contract against the supplier the purchaser shall be entitled to withhold and also have a lien to retain such sum from the security deposit or sum of money arising out of under any other contract made by the supplier with the purchaser, pending finalization or adjudication of any such claim.

It is an agreed term of the contract that the sum of money so withheld or retained under the lien referred to above, by the purchaser, will be kept withheld or retained till the claim arising about of or under the contract is determined by the Arbitrator or by the competent court as the case may be, and the supplier will have no claim for interest or damages whatsoever on any account in respect of such withholding or retention.

**33. Submission of Quarterly Drawal Report:**

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 tender enquiry.

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 next R/C.

**34. Limitation of Liability:**

34.1 Except in cases of criminal negligence or wilful misconduct,

(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 Purchaser and

(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 patent infringement.

**35. Corrupt Practices**

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 as follows:

(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 open competition;

(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 in question;

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

**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 is completed.
- 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 apply to:
- (a) Export/deemed Export by the Contractor
  - (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 expiry date.
  - (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) and bodies.
- 36.3 The Contractor shall furnish the following certificate to the Paying Authority along with each bill for payment for supplies made against the Rate Contract.

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

- 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/affiliate etc.
- 37.7 All claims regarding indemnity shall survive the termination or expiry of the contract.
- 37.8 If any provisions of this tender enquiry or a contract 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 of Requirement:**

| S.No. | Rfx. No.   | Name of the Items   | Total Estimated Qty. | Warranty | CMC |
|-------|------------|---|----------------------|----------|-----|
| 1     | 3000004049 | Indirect Ophthalmoscope   | 44                   | 5        | 5   |
| 2     | 3000004050 | Slit lamp with Applanation Tonometer                            | 18                   | 5        | 5   |
| 3     | 3000004051 | Operating microscope  | 9                    | 5        | 5   |
| 4     | 3000004052 | Cataract set  | 32                   | 5        | NA  |
| 5     | 3000004053 | Glaucoma set  | 16                   | 5        | NA  |
| 6     | 3000004054 | DCT/ DCRR set   | 14                   | 5        | NA  |
| 7     | 3000004055 | Entropion set   | 16                   | 5        | NA  |
| 8     | 3000004056 | Enucleation set   | 30                   | 5        | NA  |
| 9     | 3000004057 | Evisceration set  | 14                   | 5        | NA  |
| 10    | 3000004058 | Squint set  | 14                   | 5        | NA  |
| 11    | 3000004059 | Photo Slit lamp   | 14                   | 5        | 5   |
| 12    | 3000004060 | Automated Refracto Keratometer                                  | 7                    | 5        | 5   |
| 13    | 3000004061 | Phaco Set   | 14                   | 5        | 5   |
| 14    | 3000004062 | Automated Perimeter   | 7                    | 5        | 5   |
| 15    | 3000004063 | Phaco machine   | 7                    | 5        | 5   |
| 16    | 3000004064 | ND Yag laser  | 7                    | 5        | 5   |
| 17    | 3000004065 | OCT   | 7                    | 5        | 5   |
| 18    | 3000004066 | Ophthalmology Group Items                                       |                      | 2        | NA  |
| 19    | 3000004067 | Sterilizer- Flash- 50 L- Approx                                 | 7                    | 5        | 5   |
| 20    | 3000004068 | Endoscopes and Full HDTV Endoscopic video camera with Recording | 14                   | 5        | 5   |
| 21    | 3000004069 | Ent Workstation   | 7                    | 5        | 5   |
| 22    | 3000004070 | Shaver System Cum Micro Drill                                   | 7                    | 5        | 5   |
| 23    | 3000004071 | Ent Surgery Set   | 7                    | 5        | NA  |
| 24    | 3000004072 | Endoscopic Sinus Surgery Set                                    | 7                    | 5        | 5   |
| 25    | 3000004073 | Oesophagoscopy set  | 7                    | 5        | 5   |
| 26    | 3000004074 | Bronchoscopy set  | 7                    | 5        | 5   |
| 27    | 3000004075 | ENT Operating microscope  | 7                    | 5        | 5   |
| 28    | 3000004076 | Puretone audiometer   | 7                    | 5        | 5   |
| 29    | 3000004077 | Brainstem evoked response audiometer with ASSR                  | 7                    | 5        | 5   |
| 30    | 3000004078 | Impedance audiometer/ Tympanometer                              | 7                    | 5        | 5   |
| 31    | 3000004079 | OAE (Otoacoustic Emission )                                     | 7                    | 5        | 5   |
| 32    | 3000004080 | Flexible Rhino Pharyngo Laryngoscope                            | 7                    | 5        | 5   |
| 33    | 3000004081 | Videonystagmographic Machine (VNG)                              | 7                    | 5        | 5   |
| 34    | 3000004082 | Led Head Light  | 63                   | 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/Consignee details**

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

**3. Delivery Period:**

The delivery period will 60 days from the date of placement of supply order or 30 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 of Delivery:**

Free Delivery at Consignee Site

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 Clause 13

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 I above.

**SECTION-VII**  
**TECHNICAL SPECIFICATIONS**

| Sl. No | Sch.1<br>Indirect Ophthalmoscope (Wireless)   |
|--------|---|
| 1      | Binocular Indirect ophthalmoscope with precision viewing upto 1.0 mm pupil size   |
| 2      | Spot size: 3 integrated spot size small spot, medium spot and large spot.   |
| 3      | Filters: 4 integrated filters to choose from red filter, cobalt blue filter, yellow filter and diffuser                           |
| 4      | Vertical adjustment, +/-4 degrees   |
| 5      | Headband with Rheostat and Articulating Hinge to provide vertical adjustment of the rear band.                                    |
| 6      | Integrated flip up adjustment optics, which can be flipped, and locked at 0, 12.5, 47.5, 60 degrees.                              |
| 7      | Aperture and filter adjustment levers: can be locked to the desired position required.  |
| 8      | Locking apertures and filter adjustment (safety clutch): protect mechanism from the forced adjustment while in the lock position. |
| 9      | P.D. range from 55-75 mm.   |
| 10     | 6V Halogen/Xenon bulb.  |
| 11     | Teaching mirror   |
| 12     | Rechargeable Li-on battery transformer with LED indicator   |
| 13     | Desk top cum wall transformer.  |
| 14     | Transformer compatible with voltage system of AC 220-240volts   |
| 15     | Large & small depressors  |
| 16     | Carrying case.  |
| 17     | Spare rechargeable battery – 1 Nos.   |
| 18     | +20D lens.  |
| 19     | USFDA or BIS or European CE certified   |

| Sl. No | Sch.2<br>Slit lamp with Applanation Tonometer   |
|--------|---|
| 1      | Galilean type   |
| 2      | 5 step magnification 6X, 10X, 16X, 25X, 40X   |
| 3      | Eyepiece 12.5X  |
| 4      | Diaopter -7D to +7D   |
| 5      | Top illumination  |
| 6      | Warm Led Light source   |
| 7      | Continuously adjustable brightness  |
| 8      | Slit image width 0mm- 14mm continuous   |
| 9      | Slit image angle 0 to 180deg continuous   |
| 10     | Slit image length 1mm to 14mm continuous  |
| 11     | Heat absorption, Grey, Red Free (green) Cobalt blue filter  |
| 12     | It should be European CE or US FDA or BIS approved for the quoted model   |
| 13     | Table for slit lamp, wheel chair friendly <b>from same principal company.</b>   |
| 14     | Applanation tonometer   |
| 15     | Accessories: Volk 78D and 90D, Volk Gold Man 3 Mirror and Volk Four Mirror Gonioscope with handle and Three Mirror Gonioscope |
| 16     | Should be supplied with Observer Scope  |
| 17     | Online UPS with atleast 30 minutes backup.  |

| <b>Sch.3<br/>OPERATING MICROSCOPE</b> |   |
|---------------------------------------|---|
| 1                                     | 200 mm front objective  |
| 2                                     | 5-step magnification changer with magnification range 5x,7x, 10x, 14x, 20x with 200mm objective and 12.5x eyepieces |
| 3                                     | The diameter of the visual field with 200 mm objective is between 43 to 11 mm                                       |
| 4                                     | Motorized fine focusing through footswitch with a range of 43mm   |
| 5                                     | Microscope inclination range should be -15 deg to +180 deg.   |
| 6                                     | UV Fliter and Retinal filter  |
| 7                                     | Large stereo base (preferable 22 to 25 mm) for best 3D perception, excellent resolution and depth of field.         |
| 8                                     | Spot diaphragm/ spot filter, Green Filter and Blue Filter   |
| 9                                     | Daylight filter/white light filter  |
| 10                                    | Manual control on field of illumination.  |
| 11                                    | It should have apochromatic optics.   |
| 12                                    | It should have X-Y coupling   |
| <b>Eyepiece head</b>                  |   |
| 11                                    | 45 Deg. head with 12.5x or 10x oculars  |
| 12                                    | Adjustable pupillary distance in the range of 55 – 75 mm or more  |
| <b>Floor Stand system</b>             |   |
| 13                                    | Sturdy and stable and has a compact H-base for easy positioning   |
| 14                                    | Rollable on min. 4 castors with two locking devices   |
| 15                                    | Vertical travel more than 700mm   |
| 16                                    | Features and Components of the Illumination system  |
| 17                                    | Should have integrated LED Illumination, continuous control of illumination   |
| <b>Co-observation:</b>                |   |
| 18                                    | Beam splitter   |
| 19                                    | Stereoscopic Co-observer with three axis rotation   |
| <b>Video attachment:</b>              |   |
| 20                                    | C-Mount with 3 chip Camera and 22"LED Monitor and recording system  |
| 21                                    | It should be European CE with 4 digit Notified Body number or US FDA or BIS certified for the quoted model          |
| 22                                    | Zoom, Focusing should be controlled by foot switch.   |

**Sch.4  
Cataract Set (Titanium)**

| <b>SN</b> | <b>Name of The Item</b>                        | <b>Qty per set</b> |
|-----------|--|--------------------|
| 1         | Artery Forceps 125 mm (Straight)               | 2                  |
| 2         | Artery Forceps 125 mm (Curved)                 | 2                  |
| 3         | Towel Clip Cross Action                        | 1                  |
| 4         | Dastoor Superior Rectus Forceps                | 2                  |
| 5         | Conjunctival Scissors 115 mm (Straight)        | 2                  |
| 6         | Conjunctival Scissors 115 mm (Curved)          | 2                  |
| 7         | Conjunctival Forceps Serrated                  | 2                  |
| 8         | Blumenthal Hydro Dissection Cannula            | 4                  |
| 9         | Castroviejo Corneal Micro Scissors (Universal) | 1                  |

|    |  |        |
|----|--|--------|
| 10 | Indo German – Simcoe Cannula (22G)   | 2      |
| 11 | Indo German – Simcoe Cannula (21G)   | 2      |
| 12 | Castroviejo Cyclodialysis Spatula (Double Ended)                                 | 1      |
| 13 | Gills Welsh Vannas Scissors (11mm Blades)  | 1      |
| 14 | Dastoor Iris Spatula   | 1      |
| 15 | Bonn Iris Scissors 150mm (Straight)  | 1      |
| 16 | Irrigating Vectis  | 1      |
| 17 | Sinsky Hook (IOL Dialer)   | 2      |
| 18 | Sub-Tenon`s Anesthesia Cannulas  | 2      |
| 19 | AC maintainer- Lewicky anterior Chamber maintainer with Silicone tubing attached | 1      |
| 20 | Jensen Capsule polisher Gently Curved, Olive tip All around sand blasted         | 1      |
| 21 | Bard Parker Handle   | 1      |
| 22 | Instrument Box with Silicon Mat  | 1      |
| 23 | Lim's Forceps  | 2      |
| 24 | Wire Vectis  | 1      |
| 25 | Needle Holder  | 1      |
| 26 | Mc-Pherson Forcep  | 1      |
| 27 | Utrata Forcep  | 1      |
| 28 | Universal eye Speculam (Adult & Paed)  | 2 each |
| 29 | Corneoscleral Scissor  | 2      |
| 30 | Plain Scissor  | 1      |
| 31 | Siperior rectus needle holder  | 1      |
| 32 | Casterovijo Calipers   | 1      |
| 33 | Suture tying Forcep (straight & curved)  | 1 each |
| 34 | Superior Rectus Needle   | 2      |
| 35 | Stainless steel/polycarbonate sterilizing Case with matt                         | 1      |
|    | <b>Bidder has to quote all the items as a set.</b>                               |        |

| <b>Sch.5<br/>Glaucoma Set</b> |  |
|-------------------------------|--|
|                               | <p><b>Name of the Item (1 no Each for Each Set)</b></p> <p>a) Barraquer Wire Speculum, Large</p> <p>b) Tooke Corneal Knife</p> <p>c) Castrovejiosynechias Spatula, double ended</p> <p>d) Castroveijo Caliper, Straight</p> <p>e) Colibri Forceps 1x2 Teeth 0.12mm</p> <p>f) Eye dressing forceps, Straight</p> <p>g) Jaffe tying forceps, Curved</p> <p>h) Hartman Mosquito forceps, Straight</p> <p>i) Hartman Mosquito forceps, Curved</p> <p>j) Baby Jones Towel champ</p> <p>k) Castroviejo corneal scissors, small blades</p> <p>l) Westcott Stitch Scissors</p> <p>m) VannasCapsulotomy Scissors</p> <p>n) VannasCapsulotomy Scissors Ang forward 11 mm blade</p> <p>o) Eye Scissors, Curved 4 ½” Length</p> <p>p) Stevens Tenotomy Scissors, Curved</p> <p>q) Bard Parker Handle #3</p> <p>r) Kelly Descement’s Membrane punch. 1.0mm Dia Tip</p> <p>s) Stainless steel/polycarbonate sterilizing Case with matt – 1 No.</p> |



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| <b>Bidder Has to quote all the items as a set.</b> |
|--|

|                                |
|--------------------------------|
| <b>Sch.6<br/>DCT/ DCRR set</b> |
|--------------------------------|

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|--|
| Bidder has to quote all the items as a set |
|--|

|                         |
|-------------------------|
| <b>Name of the Item</b> |
|-------------------------|

- |   |
|---|
| <p>1 FORCEPS-Utility Serrated - 1 no<br/> 2 FORCEPS-Castroviejo 0.3mm Toothed -1 no<br/> 3 FORCEPS-Fixation 1X2 Teeth - 1 no<br/> 4 FORCEPS –Tag - 1 no<br/> 5 FORCEPS – PierseHoskin - 1 no</p> <p>6 SCISSORS-Westcott Tenetomy-Sharp Tip - 1 no<br/> 7 SCISSORS-Steven Tenetomy - 1 no<br/> 8 SCISSORS-Conjunctival Curved - 1 no<br/> 9 FORCEPS- Artery –Straight - 1 no<br/> 10 FORCEPS – Artery - Curved - 1 no<br/> 11 NEEDLE HOLDER-Without Lock-Straight - 1 no<br/> 12 NEEDLE HOLDER-Without Lock-Curved - 1 no<br/> 13 TOWEL CALMPS - 2 nos<br/> 14 RETRACTOR-Stevens - 1 no<br/> 15 RETRACTOR- Catspaw - 2 no<br/> 16 CANNULA-Lacrymal Straight - 1 no<br/> 17 CANNULA-Lacrymal Curved - 1 no<br/> 18 CANNULA-Air Injection - 1 no<br/> 19 CANNULA-AC Wash - 1 no<br/> 20 NIBBLER-Bone - 1 no</p> <p>21 PUNCH-Kerrison No.2 - 4 nos<br/> 22 SPECULUM-Clark Adult - 1 no<br/> 23 TREPHINE-Bone -1 no<br/> 24 MALLET - 1 no<br/> 25 PROBE-Bowman - 1 no<br/> 26 DILATOR-Punctum DE - 1 no<br/> 27 DILATOR-Punctum - 1 no<br/> 28 PROBE-Lestor Style - 1 no<br/> 29 PROBE-Sinsky Hook -1 no<br/> 30 PROBE-Kuglon Hook - 1 no<br/> 31 BLADE HOLDER - 1 no<br/> 32 RETRACTOR-Stevens - 1 no<br/> 33 RETRACTOR-Catspaw - 2 nos<br/> 34 BONE GOUGE - 1 no<br/> 35 OSTEOTOME - 1 no<br/> 36 ELEVATOR-Twin - 1 no<br/> 37 ELEVATOR-Traquire - 1 no<br/> 38 CHISEL- 1 no<br/> 39 AUTOCLAVE BOX with 3 Mats - 1 no<br/> 40 SUCTION CANNULA - 4 nos<br/> 41 Mosquito Forcep curved &amp; straight - 1 no<br/> 42 9. Stainless steel/polycarbonate sterilizing Case with matt – 1 No.</p> |
|---|

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|--|
| <b>Sch.7<br/>Lid Surgery/Entropion set</b> |
|--|

|   |
|---|
| Bidder has to quote all the items as a set  |
| <b>Name of the Item</b>   |
| 1. Desmarres lid retractor size-1 – 1 No.<br>2. Desmarres lid retractor size-2 – 1 No.<br>3. Desmarres lid retractor size-3 – 1 No.<br>4. Jeagers lid plate – 1 No.<br>5. Knapp lacrimal sac retractor – 1 No.    |
| 6. Fixation hook – 1 No.<br>7. Graefe strabismus hook – 2 Nos.<br>8. Castroviejo caliper – 1 No.<br>9. Hartmann Mosquito Forceps, straight – 2 Nos.<br>10. Hartmann Mosquito Forceps, curved – 2 Nos.             |
| 11. Backhaus towel clip – 2 Nos.<br>12. Bishop Harmon tissue forceps – 1 No.<br>13. Wills hospital utility forceps – 1 No.<br>14. Eye scissors straight – 1 No.<br>15. Stevens tenotomy scissors straight – 1 No. |
| 16. Westcott tenotomy scissors – 1 No.<br>17. McPhersons Westcott scissors – 1 No.<br>18. Castroviejo needle holder – 1 No.<br>19. Barraquer needle holder – 1 No.<br>20. Entropion clamp right – 1 No.           |
| 21. Entropion clamp left – 1 No.<br>22. Lancaster speculum large size – 1 No.<br>23. Lancaster speculum small size – 1 No.<br>24. Stainless steel/polycarbonate Sterilizing Case with matt – 1 No.                |

| <b>Sch.8<br/>Enucleation set</b> |  |
|----------------------------------|--|
| <b>SN</b>                        | <b>Name of the Item</b>  |
|                                  | 1 Fixation forceps 1x2 teeth- 2 nos<br>2 Enucleation scissors half curved - 1 no<br>3 Stevens tenotomy scissors st. - 1 no<br>4 Wells enucleation spoon - 1 no<br>5 Desmarres lid retractor - 1 no<br>6 Graefe muscle hook 1- no<br>7 Lester Burch eye speculum - 1 no<br>8 Artery forcep - 2 nos<br>9 Eye collection bottle - 2 no<br>10 Sterilizing case single mat.- 1 no<br>11 Optic Nerve Guide - 1 no<br>12 Needle Holder - 1 no<br>13 CorneoSclerar Scissor - 1 no<br>14 Lim's Forcep - 1 no<br>15 Universal Eye Speculum - 2 nos<br>16 9. Stainless steel/polycarbonate sterilizing Case with matt – 1 No. |
|                                  | Bidder has to quote all the items as a set   |

| <b>Sch.9<br/>Evisceration set</b>          |  |
|--|--|
| Bidder has to quote all the items as a set |  |

| <b>Name of the Item</b>  |
|--|
| 1. Lancaster eye speculum large – 1No.<br>2. Lancaster eye speculum small – 1No.<br>3. Mules evisceration spoon- 2 Nos.<br>4. Lims forceps -2 Nos.<br>5. Eisching fixation forceps – 1 No.<br>6. Stevens tenotomy scissors (steel) -1 No.<br>7. Eye scissors straight -1 No.<br>8. Casteroviejo corneal scissors -1No.<br>9. Stainless steel/polycarbonate sterilizing Case with matt – 1 No.<br>10. Multiple toothed Forcep - 1no<br>11. Needle Holder(Barraquer type) - 1 no<br>12. Suture tying Forcep - 1 no |

| <b>Sch.10<br/>MUSCLE SURGERY SET/SQUINT SET</b>     |
|---|
| Bidder has to quote all the items as a set          |
| <b>Name of the Item</b>                             |
| 1 FORCEPS- Bishop Harman Iris Extra Delicate - 1 no |
| 2 FORCEPS- Fixation - 1 nox 2 Teeth - 1 no          |
| 3 FORCEPS- Worth Advancement -Right - 1 no          |
| 4 FORCEPS- Worth Advancement –Left - 1 no           |
| 5 FORCEPS- Fixation - 1 nox2 Teeth - 1 no           |
| 6 FORCEPS- Worth Advancement-Right - 1 no           |
| 7 FORCEPS- Worth Advancement-Left - 1 no            |
| 8 FORCEPS- Bishop Harman Iris Extra Delicate - 1 no |
| 9 FORCEPS- Serrefine Straight - 1 no                |
| 10 FORCEPS-Serrefine Curved - 1 no                  |
| 11 CLAMPS – Backhaus Towel - 1 no                   |
| 12 CLAMPS – Backhuas Towel - 1 no                   |
| 13 TOWEL CLIP CROSS ACTION 2                        |
| 14 CALIPER CASTROVIEJO STRAIGHT - 1 no              |
| 15 WESTCOTT TENOTOMY SCISSORS - 1 no                |
| 16 SCISSORS- Iris Straight - 1 no                   |
| 17 Artery forcep - 1 no                             |
| 18 SCISSORS – Iris Curved - 1 no                    |
| 19 FORCEPS –Hartmann Masquito-3.5” Straight - 1 no  |
| 20 NEEDLE HOLDER –Straight Without Lock - 1 no      |
| 21 NEEDLE HOLDER – Curved Without Lock - 1 no       |
| 22 SPECULUM – Clark Small - 1 no                    |
| 23 SPECULUM – Clark Adult - 1 no                    |
| 24 B.P BLADE - 1 no                                 |
| 25 B.P BLADE - 1 no                                 |
| 26 B.P HANDLE - 1 no                                |
| 27 LID RETRACTOR - 1 no                             |
| 28 HOOK – Jameson Muscle - Small - 1 no             |
| 29 HOOK – Chavasas Muscle - 2 nos                   |
| 30 HOOK – Green Strabismus - 1 no                   |
| 31 HOOK – Jameson Muscle- Big - 1 no                |
| 32 CANNULA- Air Injection - 1 no                    |
| 33 CANNULA – AC Wash - 1 no                         |
| 34 TRAY- Sterelization - 1 no                       |

## 9. Stainless steel/polycarbonate sterilizing Case with matt – 1 No.

| <b>Sch.11<br/>Photo Slit Lamp</b> |  |
|-----------------------------------|--|
| 1                                 | Galilean type  |
| 2                                 | 5 step magnification 6X, 10X, 16X, 25X, 40X  |
| 3                                 | Eyepiece 12.5X   |
| 4                                 | Diaopter -7D to +7D  |
| 5                                 | Top illumination   |
| 6                                 | Warm Led Light source  |
| 7                                 | Continuously adjustable brightness   |
| 8                                 | Slit image width 0mm- 14mm continuous  |
| 9                                 | Slit image angle 0 to 180deg continuous  |
| 10                                | Slit image length 1mm to 14mm continuous   |
| 11                                | Heat absorption, Grey, Red Free (green) Cobalt blue filter   |
| 12                                | Image resolution of minimum 18 mega pixel  |
| 13                                | Should have co-axial illumination  |
| 14                                | should have the facility for real time video recording   |
| 15                                | Should have 60-40 beam splitter between Slitlamp and Camera  |
| 16                                | Motorized table for slit lamp <b>from same principal company.</b>  |
| 17                                | Should be supplied with suitable online UPS with atleast 30 min backup   |
| 18                                | It should be European CE or US FDA or BIS approved for the quoted model  |
| 19                                | Should be supplied with HD camera ( <b>Any reputed DSLR camera</b> ) with suitable software for image processing and storage along with branded desktop with table |
| 20                                | Should be supplied with suitable online UPS with atleast 30 min backup   |
| 21                                | Accessories: Volk 78D and 90D, Volk Gold Man 3 Mirror and Volk Four Mirror Gonioscope with handle and Three Mirror Gonioscope                                      |

| <b>Sl. No</b> | <b>Sch.12<br/>Automated Refractometer</b>  |
|---------------|--|
|               | The unit should have the following features:   |
| <b>A</b>      | <b>Measurement Range for Refractometry:</b>  |
|               | Objective and subjective mode and measuring corneal astigmatism, low contrast glares acuity testing.   |
|               | 1. Sphere Range : Atleast -25 D to + 22 D (0.12 D / 0.25 D)  |
|               | 2. Cylinder Range : Atleast 0 D to $\pm 10$ D ( 0.12 D / 0.25 D)   |
|               | 3. Axis Range : 0 ° to 180 ° (in 1 ° or 5 ° steps)   |
|               | 4. Minimum measurable pupil diameter : 2 mm  |
|               | 5. PD Measurement range : Atleast 20 - 85 mm in 1 mm step  |
|               | 6. Preferably with IOL mode and print out facility.  |
|               | 7. Automatic measurement in case of correct centering  |
| <b>B</b>      | <b>Corneal Curvature mode for Keratometry:</b>   |
|               | High accuracy measurements of corneal and contact lens radii:  |
|               | 1. Corneal curvature radius : Atleast 5.00 to 10.00 (0.01 mm)  |
|               | 2. Corneal refraction : Atleast 33.75 D to 67.5 D (0.12 D / 0.25 D)  |
|               | 3. Corneal Vertex distance: 10.5,12.0, 13.5,15   |
|               | 4. Refraction index : Atleast 1.3  |
|               | 5. Auto and manual mode with contact lens base curve measuring facility.   |
|               | Internal thermal printer with cut off facility. Adjustable tilt LCD monitor. Motorised table. Data memory facility should be available. Supplied With 10 printer paper rolls |

|  |   |
|--|---|
|  | <b>USFDA or BIS or European CE with 4 digit no. issued from a notified body</b> |
|  | <b>Online UPS with atleast 30 minutes backup.</b>                               |

| <b>Sch.13<br/>Phacoemulsification Surgery set</b>   |  |
|---|--|
| Bidder has to quote all the items as a set  |  |
| Name of the Item  |  |
| 1 .KratzBarraquer wire speculum-(titanium)- standard wire15 mm blades - 1 no  |  |
| 2 . Tenant tying forceps-(titanium)- 4" straight,6mm platform,extrad delicate smooth jaw - 1 no                         |  |
| 3 . Tenant tying forceps-(titanium)-3 1/8" curved,6 mm platform, extra delicate smooth jaw - 1 no                       |  |
| 4 . Barraquercolibri forceps-(titanium)-2 7/8" delicate, 0.12mm,1x2 teeth, 5.5 mm tying platform - 1 no                 |  |
| 5 . phaco chopper - (titanium)- 1mm cutting edge sharp - 1 no   |  |
| 6 .nucleus spatula-(steel) - 1 no   |  |
| 7. Gills capsulotomy scissors (titanium)- straight ,7.5 mm blades, sharp tip - 1 no                                     |  |
| 8. Vanas Micro scissors angled (titanium)-extra thin 10mm blade sharp tip - 1 no  |  |
| 9. Westcott scissors (steel)-4 3/4" slightly curved,21mm blade - 1 no   |  |
| 10. Iris scissors (steel) - 1 no  |  |
| 11. Dastoor superior rectus forcep(steel)-115mm,3 hole handle - 1 no  |  |
| 12. Lens folding forceps (titanium) - 1 no  |  |
| 13. Lens holding forceps (titanium) - 1 no  |  |
| 14. Utratacapsularhexis forceps(titanium)-3 1/4" angled 12mm shaft,fine serrated sharp tips,flat serrated handle - 1 no |  |
| 15. Air injection Cannula(steel)-30 G,5mm angled 45 degree tip - 1 no   |  |
| 16. A.C wash cannula(steel) - 1 no  |  |
| 17. Nichman Hydro dissection cannula(steel)- 25 G,13mm bend tip - 1 no  |  |
| 18. Chang Hydro dissection cannula(steel)- 27G,standard 1.25mm tip - 1 no   |  |
| 19. Sinsky II hook-lens manipulating hook (titanium),4 1/2" straight,0.2mm diameter blunt tip,flat handle - 1 no        |  |
| 20. sterilization case (steel) with silicon matt,8x12x0.75" silicon finger matt. - 1 no                                 |  |

| <b>Sch.14<br/>Automated Perimeter</b> |   |
|---------------------------------------|---|
| 1                                     | High quality Humphrey Field Analyser perimeter with working distance 30cm                                 |
| 2                                     | Maximum intensity 10,000Asb, Bowl illumination 31.5Asb  |
| 3                                     | Stimulation duration 200ms, wavelength Broad band visible light   |
| 4                                     | Stimulus/Background colour White on White, Blue on yellow (SWAP)  |
| 5                                     | Maximum temporal range 90Deg.Suitable for central 30 as well as full field testing                        |
| 6                                     | Central field test patterns 30-2,24-2,10-2,Macula   |
| 7                                     | Peripheral field test pattern 60-4,Nasal Step   |
| 8                                     | Threshold test strategies full threshold, Fast Pac, SITA or equivalent                                    |
| 9                                     | Glaucoma progression analysis and Serial Analysis for patient follow up                                   |
| 10                                    | Screening field test P-60, FF-80,FF-120,FF-240,Nasal Step for periphery .                                 |
| 11                                    | Screening test strategies Two zone, Three Zone and Quantify Defects                                       |
| 12                                    | Kinetic Testing, Custom Test, Automatic Pupil measurement   |
| 13                                    | Stimulus Size I-V as per Goldman standards  |
| 14                                    | Glaucoma hemi field test, Hail –Krakau blind spot monitor   |
| 15                                    | Video eye monitoring, Trial Lens Holder, Gaze tracking System   |
| 16                                    | Head tracking, Vertex Monitoring, Touch screen, Keyboard  |
| 17                                    | It should be European CE with 4 digit notified body number or US FDA or BIS approved for the quoted model |

|    |  |
|----|--|
| 18 | Original Manufacturer Motorized table with Laser Jet Printer |
| 19 | Online UPS with 30 min backup.                               |

| <b>Sch.15</b>                      |  |
|------------------------------------|--|
| <b>Phaco Emulsification System</b> |  |
| 1                                  | Machine should have Peristaltic Digital Pump   |
| 2                                  | Machine should have Closed Fluidic System  |
| 3                                  | Machine should have Aspiration: 0-50 cc/min or more.   |
| 4                                  | Machine should have a capacity to built vacuum at least up to of 500 mm Hg or more.  |
| 5                                  | Machine should have Vacuum and Aspiration Control – Programmable Linear control or Panel Control Reflux  |
| 6                                  | System Must have Advance Phaco Technology.   |
| 7                                  | Machine should have Reflux technology  |
| 8                                  | Machine should have Venting technology   |
| 9                                  | Machine should have Auto Tuning Mode   |
| 10                                 | Machine should have Ultrasound Frequency minimum 28 - 40 KHz.  |
| 11                                 | Machine should have Pulse frequency setting and duty cycle adjustable option   |
| 12                                 | Machine should be supplied with Reusable & autoclavable tubing (2 nos) / disposable tubing (100 nos). Reusable & autoclavable phaco tip - 2 nos, Reusable phaco sleeve - 4 nos |
| 13                                 | Machine should have Pneumatic Aspirating Cutter cum Vitrectomy probe, which can be Autoclavable / ETO Sterilization.   |
| 14                                 | Must have Advance Option Like occlusion mode for Safe Phaco Surgery.   |
| 15                                 | Minimum vitrectomy cut rate should be 1200 cut / min or more. It should be Displayed at Screen during Surgery.   |
| 16                                 | Should have Integrated Air Compressor for Vitrectomy.  |
| 17                                 | Machine should have lightweight phacohandpiece of 4 - 6 crystal.   |
| 18                                 | Machine should have Diathermy Handpiece and forcep   |
| 19                                 | Machine should have Colors LCD/ LED Display  |
| 20                                 | Programmable Foot Pedal should be present  |
| 21                                 | It should be European CE with 4 digit Notified Body number or US FDA or BIS certified for the quoted model   |

| Sl.No.              | <b>Sch.16</b>   |
|---------------------|---|
| <b>ND YAG Laser</b> |   |
| 1                   | Laser type ND Yag Laser   |
| 2                   | Laser wavelength 1064nm   |
| 3                   | Structure Mode Ultra Gaussian or Super Gaussian   |
| 4                   | Pulse duration $\leq$ 4 ns  |
| 5                   | Spot size-8 $\mu$ m   |
| 6                   | Minimum energy 0.3MJ-Max. Energy 10mj (Single Pulse)  |
| 7                   | Pulse repetition frequency 1.5 to 3.0 HZ  |
| 8                   | Cone angle/Angle of exit aperture 16 Deg.   |
| 9                   | Aiming beam Laser diode with 630 nm-670 nm wave Length.   |
| 10                  | Two point / four point aiming beam method.  |
| 11                  | Aiming beam focus offset 0-350 $\mu$ m or better posterior/anterior focus shift.                          |
| 12                  | Laser perfectly integrated into slit lamp, no external laser cavity on top of Slit lamp.                  |
| 13                  | Separate control panel to be supplied   |
| 14                  | It should be European CE with 4 digit notified body number or US FDA or BIS approved for the quoted model |
|                     | <b>Slit Lamp:</b>   |
| 15                  | Slit Lamp with 3/5 steps magnification changer with 10x / 12.5x eyepieces.                                |

|    |   |
|----|---|
| 16 | Objective lens f =130-140mm with PD adjustable 50-78mm or more                              |
|    | <b>Accessories:</b>   |
| 17 | Motorized table for height adjustment, foot switch, slit lamp bulb, chin rest pads.         |
| 18 | Head belt, Arm rest, key switch, safety goggles. Online UPS with atleast 30 minutes backup. |
|    | <b>Lenses:</b>  |
| 19 | One Lens for Capsulotomy  |
| 20 | One Lens for Iridectomy.  |

| Sl. No | Sch.17<br>Optical Coherence Tomography OCT  |
|--------|---|
|        | 1. Should have simultaneous dual beam imaging   |
|        | a. Spectral domain OCT (SD-OCT)   |
|        | b. Infrared (IR) fundus imaging   |
|        | 2. light source for OCT should be SLD with wavelength 840nm - 870nm   |
|        | 3. Should have working technology Confocal Scanning Ophthalmoscope (c -SLO) or Line Scanning Ophthalmoscope principle.(LSO) or Swept Source |
|        | 4. The OCT should be upgradable to OCTA in future System have feature of live viewing of fundus(IR) during alignment & during OCT scanning  |
|        | 5. light source for fundus imaging (IR) should be SLD with wavelength 750nm or 815nm  |
|        | 6. System has Real Time Active Eye Tracking System or Fast Track Technology, which can capture smallest measurable changes up to 1 micron   |
|        | 7. System has dual beam scanning system i.e. TLT (tracking laser tomography) or Fast Track Technology for tracking eye movement.            |
|        | 8. System has 40,000 A-Scans per second or more   |
|        | 9. A-scan depth <= 2.0mm in tissue.   |
|        | 10. System should have Axial Resolution <= 5 microns for OCT imaging  |
|        | 11. System should have Transverse Resolution <= 15 microns for OCT imaging  |
|        | 12. Should have feature of OCT image acquisition of eye even without dilation.  |
|        | 13. Should have High Speed or High Resolution mode for OCT imaging  |
|        | 14. Should have fixation target with option of selecting it internally & externally for patient comfort.                                    |
|        | 15. System should have following imaging options :  |
|        | a. Single frame - Multi frame movie -   |
|        | b. Mean - composite - Automatic Real time – Tomography  |
|        | c. Auto Re Scan - Follow Up scan  |
|        | d. Volume Scan- Raster Scan, Single Scan, Dense Scan, Circle or Star Scan, Fast Scan  |
|        | e. 3D visualization, Macular Thickness Map  |
|        | f. Relocate scan area during scanning   |
|        | g. Variable Field of view of 30deg or more  |
|        | h. Adjusting the volume scan ( <b>Height, Length, Width, Position of scan should vary</b> )   |
|        | i. En face or transverse section analysis   |
|        | 16. System has following viewing and analysis options :   |
|        | a. Retinal thickness map - RFNL thickness map for glaucoma diagnosis, RNFL scanning   |
|        | b. Optical Nerve Head analysis, Optic disc scanning   |
|        | c. Progression - 2-D, 3-D Modeling.   |
|        | d. Enhance Depth Imaging for Choroidal layer scanning.  |
|        | i. Fovea to Disc Alignment or Fovea Finder  |
|        | e. Posterior Pole symmetry analysis for glaucoma diagnosis.   |
|        | f. Segmentation of different layers of retina   |
|        | g. EDI mode for choroid scanning without inverting the OCT scan   |
|        | 17. Should be provided with suitable motorized table.   |

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|  | 18. Latest PC work station with at least 19inch monitor should be supplied with the machine.<br><b>(If not integrated)</b> |
|  | 19. Should have European CE with 4 digit notified body number or US FDA or BIS approved for the quoted model.              |
|  | <b>Added Para: Should be supplied with online UPS with minimum 30 minutes backup.</b>                                      |

| <b>Sch.18</b>                                     |   |
|---|---|
| <b>Ophthalmology Group Items</b>                  |   |
| <b>1. Digital Visual Acuity Chart with remote</b> |   |
| <b>Technical Specification</b>                    |   |
| 1   | The unit should be compact & light weight   |
| 2   | Design should be suitable for all refraction rooms and should be easily mountable on refraction unit and wall   |
| 3   | All functions should be able to operate by cord-less remote control i.e. chart up, chart down, vision test light, spot light, colour test light, Duochrome test light.    |
| 4   | Cord-less remote should work from any direction   |
| 5   | The regular sequence of charts should be offered in: English,Hindi,RegionalLanguage,C and/ E chart, Dot chart, Snellen, Ishihara Chart, Astigmatic fan, and Log Mar chart |
| 6   | All charts should be available up to 6/4 vision (over correction)   |
| 7   | Should have the ISO certification and the copy of the same should be enclosed along with the technical bid.   |
| <b>2 TRIAL LENSE SET with Frames</b>              |   |
| <b>1 Technical Specification</b>                  |   |
| 1.1   | Should be supplied with set of 226 trial lens with durable metal frame  |
| 1.2   | <b>Lens set-</b> Set of 226 trial lenses with polished metal rims in an elegant carrying case.  |
|   | a. 70 Spherical Concave Lenses: 0.12 to 20.00 Diopters (0.25D increments)   |
|   | b. 70 Spherical Convex Lenses: 0.12 to 20.00 Diopters (0.25D increments)  |
|   | c. 34 Cylindrical Concave Lenses: 0.12 to 6.00 Diopters (0.25D increments)  |
|   | d. 34 Cylindrical Convex Lenses: 0.12 to 6.00 Diopters (0.25D increments)   |
|   | e. 12 Prismatical Lenses: 0.5(2), 1(2), 2(2), 3, 4, 5, 6, 7, 8  |
|   | f. 6 Accessory Lenses: Red, Green, Slit, Dark, Aperture(2), Maddox Rod, occluder, Pin-Hole  |
|   | g. Two sets of near vision booklet  |
|   | h. Supplied with dedicated wooden box   |
| 1.3   | <b>Metal Frame(Adult&amp; Pediatric)</b>  |
|   | a. Should be durable and light weight   |
|   | b. Number of lenses which can be inserted in to left or right lensframe simulataneously:4 pieces  |
|   | c. Degree of lens rotation around optical axis in the lens frame:360 degree   |
|   | d. Horizontal and vertical bridge adjustments.  |
|   | e. Free-rocking saddle bridge assures comfortable nose fit.<br>Range of nose rest adjustment Length:0 ~ 14 mm,angle:0 ~ 30 degree   |
|   | f. Separate PD adjustment for each eye to compensate for asymmetrical factors in facial structure.<br>PD of both eye: 48 ~ 80 mm<br>Left or right PD: 24 ~ 40 mm          |
|   | g. Individual adjustments for temple length and angle.  |
|   | h. Adjustment for rotating cylinders to correct axis.   |
|   | i. Scales with large, easy-to-read numerals.  |
| <b>2 Standards, Safety and Training</b>           |   |
| 2.1   | Should have the ISO certification and the copy of the same should be enclosed along with the technical bid.   |



| <b>3 Ophthalmoscope for Eye OPD(Direct)</b> |  |
|---|--|
| <b>1</b>                                    | <b>Technical Specification</b>   |
| 1   | Should be rechargeable battery operated with battery charger.  |
| 2   | Should have red-free and cobalt blue filters.  |
| 3   | Should have LED illumination   |
| 4   | Should have small and large spot sizes, fixation targets, slit aperture, hemi-spot and cobalt blue filter.   |
| 5   | Should have wheel control with lens powers ranging from +20D to -35D   |
| 6   | Should have illuminated lens dial.   |
| 7   | Should have rubber brow rest.  |
| 7   | Should have dust free optics and a spherical optical system.   |
| 9   | Should be supplied with a carrying case.   |
| 10  | Should have the ISO certification and the copy of the same should be enclosed along with the technical bid.  |
|   | Approved Make: Welch Allyn, Heine, <b>Riester</b>  |
| <b>4. STREAK RETINOSCOPE</b>                |  |
| <b>1</b>                                    | <b>Technical Specification</b>   |
| 1.1   | Should have an external focusing sleeve which is easy to grip and manipulate.                                |
| 1.2   | Should <b>preferably</b> have crossed-linear polarizing filter, optional orange filter                       |
| 1.3   | Should allow one-hand operation for streak focus and 360° streak rotation.                                   |
| 1.4   | Should be interchangeable to plane mirror and concave mirror mode by sleeve movement.                        |
| 1.5   | Should use LED/ <b>Xenon</b> streak lamp. <b>(If Xenon offered, one spare xenon lamp should be provided)</b> |
| 1.6   | Should have 100% dust proof housing and multi-coated optics.   |
| 1.7   | Should have detachable brow rest for spectacle wearer  |
| 1.8   | Should be battery operated   |
| 1.9   | Should have a carrying case.   |
| <b>2</b>                                    | <b>Standards, Safety and Training</b>  |
|   | Approved Make: Welch Allyn, Heine, Reister   |
| <b>5 Manual Keratometer</b>                 |  |
| 1   | Should have 15x eye piece  |
| 2   | Should measure corneal refractive power measuring range from 36 to 52 D in steps of 0.25D steps              |
| 3   | Should measure corneal radius of curvature measuring range from 6.5 to 9.4 mm in steps of 0.05mm.            |
| 4   | Should permit measurements of central corneal area   |
| 5   | Should have high accuracy of measurements.   |
| 6   | Should have dust cover and spare bulb.   |
| 7   | Should be supplied with motorized table.   |
| 8   | Should have well illuminated circular mires with + sign.   |
| 9   | The manufacturer should be ISO 13485 certified   |
| <b>6 SYNOPTOPHORE</b>                       |  |
| <b>1</b>                                    | <b>Brief Description of function</b>   |
| 1.1   | An instrument for diagnosing imbalance of eye muscles and treating them by orthoptic methods                 |
| <b>2</b>                                    | <b>Technical Specification</b>   |
| 2.1   | Adjustable range of pupil distance should be 50 - 75mm   |
| 2.2   | Movement of Optical Tubes should have the following specification  |
|   | a. HORIZONTAL :  |
|   | Adduction +50 degree   |
|   | Abduction - 40 degree  |

|                                   |   |
|-----------------------------------|---|
|                                   | b. VERTICAL :   |
|                                   | Hyper 30 degree   |
|                                   | Hypo 30 degree  |
|                                   | c. TORSIONAL :  |
|                                   | Excyclo 20 degree   |
|                                   | Incyclo 20 degree   |
| 2.3                               | Slide Illumination : Rheostat controlled 12V Lamp for each slide. After Image Illumination by 12V Lamp (for better Illumination)  |
| 2.4                               | Should have auto Flashing of Slide Illumination either SIMULTANEOUS or ALTERNATE in RAPID & VARIABLE mode.  |
| 2.5                               | Mode & Mode Selection ie, Five Modes of Slide Illumination namely NORMAL, FLASHING RIGHT, FLASHING LEFT, FLASHING R + L & AUTOFLASHING, should be able to select by a single selector knob. |
| 2.6                               | Standard Accessories to be included:  |
|                                   | a. A set of slides containing 9 Pairs.  |
|                                   | b. Haidinger Brushes.   |
|                                   | c. Power Cord   |
|                                   | d. Dust Cover   |
|                                   | e. Two Spare Bulbs 12V  |
|                                   | f. Motorized Instrument Table   |
| 2.7                               | Additional Items: It should be supplied with  |
|                                   | 1. Prism Bar sets,  |
|                                   | 2. Titmus fly and Random dot stereopsis test plates with polarized glasses  |
|                                   | 3. Bagolini's glasses.  |
| <b>3</b>                          | <b>Standards, Safety and Training</b>   |
| 3.1                               | Should have the ISO 13485 certification and the copy of the same should be enclosed along with the technical bid.   |
| <b>7. Eye OPD Examination Set</b> |   |
| 1                                 | Universal Eye Speculum 10 nos   |
| 2                                 | Punctum Dilator 5 no  |
| 3                                 | Lacrimal probes Set 2 set   |
| 4                                 | Epilation Forceps 5 no  |
| 5                                 | Lim's forceps 5 no  |
| 6                                 | MacPherson Forceps(Angled) 5 Nos  |
| 7                                 | Infant Wire Speculum 2 Nos  |
| 8                                 | Suture Tying Forceps(Straight & Curved) 3 Each  |
| 9                                 | Conjunctival Scissor 5 Nos  |
| 10                                | Desmmares Lid Retractor (3 sizes) 2 each  |
| 11                                | Adson Toothed(For Skin Holding) Forceps 3 Nos   |
| 12                                | Needle Holder(Micro) 2 nos  |
| 13                                | Chalazion Clamp &Curette (2 sizes) 2 Sets   |
| 14                                | BP Handle 2 no  |
| 15                                | Sterilization tray 2 Nos  |
| 16                                | Syringing Cannula 2 nos   |
| 17                                | Foreign body spud 1 no  |
| 18                                | Binoculauloup 2X 1 no   |
| 19                                | Multiple tooth Forcep 1 no  |

|                                       |
|---------------------------------------|
| <b>Sch. 19<br/>Sterilizer- Flash-</b> |
|---------------------------------------|

|    |   |
|----|---|
| 1  | Sterilizer Type: Table Top Sterilizer   |
| 2  | Capacity: minimum 20 L  |
| 3  | Chamber Size: The sterilizer should have Circular or Rectangular chamber.   |
| 4  | Quality System Compliance: Sterilizer should comply the quality systems as per ISO 9001:2000/ EN ISO 13485:2003/ ISO 14001:2004.  |
| 5  | Quality Standards: Sterilizer should be US FDA/European CE certified with four digit notified body number   |
| 6  | Types of Cycles Process: Table Top Sterilizers should be equipped with B-process, N process as per latest EN 13060 . Proof of declaration of conformity.  |
| 7  | Chamber: Should be made of S.S.316 & should comply the Pressure Equipment Directive (PED) &EN 13445 norms. Chamber should have working pressure 2.2 -2.5 bar & design pressure upto 3.8 -4.0 bar. Chamber should be equipped with electrically heated jacket for preheating on standby mode.  |
| 8  | Door Design: Should have radially opening door with at least one or two locking bolts for enhanced door safety. The doors should come with silicon elastomeric rubber gasket to withstand temperature upto 140°C & 20-30 psi.   |
| 9  | Air Filter: Air filter should be provided for filtering the atmospheric air before entering inside the chamber. The filter separation efficiency should be higher than 99.998% for particle size less than 0.3µm. Air filter should be covered warranty & CMC period  |
| 10 | Cycle programs:   |
|    | ● 134°C Wrapped.  |
|    | ● 121°C Wrapped.  |
|    | ● 134°C Flash/Rapid open instrument cycle.  |
|    | ● 134°C Textile.  |
|    | ● Test programs : Bowie & Dick, Leak Test.  |
| 11 | Water Storage Tank: Sterilizer should have inbuilt water reservoir with storage capacity up to 3.5 to 5 L. The water reservoirs should have easy access for cleaning & to avoid bio film.   |
| 12 | Steam Generator: Sterilizer should have inbuilt steam generator .The steam generator design should be with integrated energy storing system for building up power for sterilization loads in short time.  |
| 13 | Control Panel: The control system should be microprocessor based PLC system specially designed for sterilization applications. The control system should have CPU processor with battery back-up, Digital input/output controls, analog measuring inputs & COM ports for printer & PC connectivity.   |
| 14 | Alarms: Automatic process checking & failure correction should be possible by the control system. The range of alarm should include Temperature & pressure sensor failure, phase timeout, doors not properly closed, power failure (less than 10 sec should be ignored), continuous self-checking of all the safety devices, low water level etc. All the alarms should be audiovisual. |
| 15 | Accessories: The sterilizer unit should include rack with 3 or more levels & suitable size instrument trays should be the part of the supply for every sterilizer. The Sterilizer should have water circulation system so that no drain point & fixed water inlets required   |
| 16 | Electrical Requirement: 230V & 50 Hz electric supply.   |

| SI NO.   | Sch. 20<br><u>Endoscopes and Full HDTV Endoscopic video camera with Recording</u>        |
|----------|--|
| <b>A</b> | <b>Endoscopes</b>  |
| <b>1</b> | 0 degree, 4mm, 16-18cm wide angle straight forward telescope, autoclavable - 04 Nos.     |
| <b>2</b> | 30-35 degree, 4mm, 16-18cm wide angle straight forward telescope, autoclavable - 02 Nos. |
| <b>4</b> | 70-75 degree, 4mm, 16-18cm wide angle straight forward telescope, autoclavable- 02 Nos.  |
| <b>5</b> | 0 degree, 2.7mm, 16-18cm straight forward telescope, autoclavable - 02 Nos.              |

|          |   |
|----------|---|
| 6        | 30-35 degree, 2.7mm, 16-18cm straight forward telescope, autoclavable - 01 Nos.   |
| 7        | 90 degree, 8,0mm, 16-18cm straight forward telescope, autoclavable - 02 Nos.  |
| 7        | Compatible handle for above telescopes (flat and round)- 02 Nos. each   |
| 8        | OTO endoscope – 2.7mm(0deg and 30-35deg- 75-80mm ) , 4mm (0deg- 50-55mm)- 02 Nos. each  |
| <b>B</b> | <b>Video Camera</b>   |
| 1        | The system should be truly Digital Full HDTV Endoscopic video camera. The system should qualify all the essential criteria for full HDTV system:  |
| 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 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 the facility to use a single camera control unit for 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  |
| <b>2</b> | <b>Technical Specifications:</b>  |
| a        | Image sensor: 3X1/3 <sup>***</sup> CCD-Chip with aspect ratio of 16:9 for full HD display   |
| b        | Pixels 1920 x 1080  |
| c        | AGC: Microprocessor controlled  |
| d        | Lens: Integrated Parfocal Zoom Lens, f=14mm-30mm.   |
| <b>3</b> | <b>HD TV widescreen Monitor -The monitor should have : 01 each</b>  |
| a        | Medical grade display in original 16: 10/16:9 HDTV format.  |
| b        | 1080 p/ 50 & 1080 p/60 displays possible.   |
| c        | Medical grade LED display.  |
| d        | Max. Resolution of 1920X1200 pixels.  |
| e        | Screen diagonal – minimum 20”.  |
| f        | Should have USB image capture module interface for direct transfer of still and video images.   |
| <b>C</b> | <b>XENON LIGHT SOURCE AND LIGHT CABLE</b>   |
| 1        | High light intensity with 300watt Xenon Lamp( with one extra spare bulb)  |
| 2        | High colour temperature – more than 6000 K corresponds to brightness of sunlight resulting in high visual and photographic clarity for colouredention.  |
| 3        | Monitoring of lamp function.  |
| 4        | Unit should be compatible for remote controlled operation of the various features along with other equipment.   |
| 5        | Lamp type- Xenon lamp, 300 watt   |
| 6        | Colour temperature- approx. 6000 K  |
| 7        | Light outlets – 1   |
| 8        | Light intensity adjustment continuously adjustable from 0 to 100% either manually or  |

|          |   |
|----------|---|
|          | Automatically by the camera video-output signal.                          |
| <b>D</b> | <b>FIBER OPTIC LIGHT CABLE</b>  |
|          | Size 3.5 to 5mm, length 250 -275cm  |
| <b>E</b> | should be European CE / US FDA /BIS approved                              |
| <b>F</b> | Trolley for the whole unit supplied from the same principal manufacturer. |

| <b>Sl. No</b> | <b>Sch. 21<br/>ENT Workstation</b>  |
|---------------|---|
| <b>1</b>      | Durable, steel casing, non-rusting, long lasting worktop  |
| <b>2</b>      | Minimum 02 large pull-out trays with dividers located in compartment under hinged cover   |
| <b>3</b>      | At least 1 drawer with dividers.  |
| <b>4</b>      | Containers for used instruments and waste   |
| <b>5</b>      | Min. 4 power sockets 230V   |
| <b>6</b>      | Right-handed use. Either mobile on castors or fitted as a fixture.  |
| <b>7</b>      | Operates on 230V ( $\pm 10\%$ ) – 50/60 Hz.   |
| <b>8</b>      | Writing drawer/dressing plate/X-ray viewer on the same horizontal platform with illumination. X ray viewer as different vertical attachment is not preferable.  |
| <b>9</b>      | Plateau for additional equipment like monitor, separate endoscopy recording system or such devices.   |
| <b>10</b>     | Extension fitted with halogen head mirror lamp with adjustable intensity.   |
| <b>11</b>     | Should be fitted with glove, cotton and tissue/ paper dispenser drawer.   |
| <b>12</b>     | Separate endoscopy recording system (from the same manufacturer).   |
| <b>a)</b>     | This recording system should be separate from the imaging and recording system integrated with the microscope.  |
| <b>b)</b>     | For recording purposes for digital and video images with all essential software and essential back up and accessories.  |
| <b>c)</b>     | High performance using at least dual core processor or better. At least 500 GB of memory. Capable of recording at least 15 hours of video or at least 10,000 images.  |
| <b>d)</b>     | At least 2 LAN ports.   |
| <b>e)</b>     | Capable of integration with HIS and PACS via slandered interfaces.  |
| <b>f)</b>     | The system should be compatible for attachment to the endoscope. Should be able to enter patient's details and to record and store for images.  |
| <b>g)</b>     | Should have ability to generate dvi and/or mpeg4 videos. Ability to generate jpeg and tiff images of at least 600 dpi. Capable of taking at least 180 images per second.  |
| <b>h)</b>     | At least 15 inch Full HD Monitor with foldable attachment on main unit of recording system. 40-45o tillable backwards. Viewing angle 170o - 180° horizontal and vertical.   |
| <b>i)</b>     | Still photo/video mode is selected by foot pedal or by shutter release on the touchscreen. The findings can be tagged directly on the touchscreen using finger touch.   |
| <b>j)</b>     | Touch screen should also be operable with gloves and also by mouse & keyboard. Result finding tagging by touching the image. Mouse and keyboard wireless attachment.  |
| <b>k)</b>     | Capable of comparing at least 2- 4 stills, single image view and zoom.  |
| <b>l)</b>     | Capable of connecting two monitors with automatic switching between them.   |
| <b>m)</b>     | Should have incorporated global shutter technology so that it can be used for stroboscopy.  |
| <b>n)</b>     | Facility for photo creation from recorded videos.   |
| <b>o)</b>     | C-MOS technology with high sensitivity to light.  |
| <b>p)</b>     | Data can be sent to printer via LAN and be saved directly to USB stick or internal memory.  |
| <b>q)</b>     | A laser coloured multifunction (copy, scan and print) printer for printing reports be provided with the device. It is permissible for that a printer be of different manufacturer but should be European CE or US FDA approved. |
| <b>r)</b>     | Should be compatible with Microsoft windows XP, 7, and/or the latest versions.  |
| <b>s)</b>     | Footswitch for freezing function.   |

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| t) | It should have custom designed special case for keeping the unit.  |
| 13 | Cautery power output with banana sockets in front panel. Integrated with the main unit. 50 Watt high frequency electrosurgical unit, Monopolar accessories & set of cautery probes should be supplied.   |
| 14 | Noiseless preferably separate Suction system.  |
| a) | Supplied with suction hand piece and tubing. Maintenance-free.   |
| b) | Capacity: 55 ltr/min to 70 ltr/min, vacuum: -80 to -98kpa, with secretion collection of 1ltr/1.5ltr with automatic secretion canister evacuator system.  |
| c) | Suction should have automatic start up feature while removing suction cannula adaptor from the support.  |
| d) | Should have facility of hose rising the suction tube to avoid any growth of Bactria/fungus in the suction tubing.  |
| e) | Suction Cannulas 1.0 to 4.0 mm (Preferably 4 sizes).   |
| 15 | Compressed air system complete with spray hand piece (autoclavable) with tubing and 3 spray bottles.   |
| a) | Should preferably have compressed air system have a tank for compressed air so that compressor is not required repeatedly.   |
| b) | Powder and liquid atomizers with holder for atomizers (nozzles removable)  |
| c) | Adjustable pressure by means of regulator valve  |
| d) | Automatically activated via sensor when hand piece is removed from its holder  |
| e) | Manometer in front panel   |
| f) | Low maintenance  |
| g) | Max. pressure: 0.1 to 4 bar  |
| h) | Politzer olive universal sizes, fits directly into compressor hand piece   |
| i) | Suction tube cleaner with exchangeable reusable stainless steel adapter.   |
| 16 | Telescopes   |
| a) | 0° & 30° - 2.7 mm - 110 -140 mm working length   |
| b) | 0° & 30° - 4 mm - 175 -180 mm working length   |
| c) | 70° with handle (angle of view, 4 mm diameter, 175 -180 mm working length)   |
| d) | Oto-endoscope 0° & 30° (Length 5-6cm approx, diameter 2.7mm).  |
| e) | 90°Tele laryngo-pharyngoscope, magnifier scope (4X), fibre optic light transmission, air insufflation channel, adjustable focus.   |
|    | Suitable fibroptic chords or light carriers for endoscopes. Disinfection and warming quivers for endoscopes preferably placed in extension arm (preferably for 5 endoscopes). Preheating quivers disinfection quivers, disinfection quivers, disinfection time control, removable and disinfectable quivers for flexible scopes. Both USFDA and European CE approved and inclusion subject to demonstration if asked for by experts. |
| 17 | Warm water irrigation system   |
| a) | With for ear syringing and caloric testing.  |
| b) | Electronic temperature control of water temperature.   |
| c) | Autoclavable handles with snap closure system and fine regulation valve.   |
| d) | Should preferably have a separate stainless steel tank.  |
| e) | Should have sinus drainage tube as well as front cannulas and a water supply hose and autoclavable water filter with cartridge.  |
| f) | Disposable filters with short life are not permissible.  |
| 18 | Ear rinse cup with ear rinsing funnel with active motor system & automatic liquid bottle drainage system preferably on swivel arm. Flow adjustable in ml per minute.   |
| 19 | Pre-heater for up to 60 mirrors of different sizes mounted on pull-out tray. Removable block for sterilization. Mirror re-warmer with the single handed heating function.  |
| 20 | Microscope   |
| a) | With 3-5 step magnification changers   |

|           |  |
|-----------|--|
| <b>b)</b> | Mounted on ENT unit  |
| <b>c)</b> | Switched on/off from control panel with dimmer or Switched automatic on/ off, on the movement of the microscope Column   |
| <b>d)</b> | 10X Object F = 200-300 mm with fine focusing   |
| <b>e)</b> | Binocular vision   |
| <b>f)</b> | 3 to 5 step magnification changer  |
| <b>g)</b> | Inbuilt LED light source in the camera head.   |
| <b>h)</b> | SD Camera with microscope with a facility to take images, video with arching software.   |
| <b>i)</b> | Supplied with a Laptop (i5 processor, 5 GB RAM, 64 BIT operating system, $\geq 3.3$ GHz, at least 2 years onsite warranty covering physical damage with 3 years extended warranty of the manufacturer). It is permissible for that a laptop be of different manufacturer but should be European CE or US FDA approved. |
| <b>j)</b> | Digital Video Camera with PAL/NTSC video system, CCD sensor 1/3"   |
| <b>k)</b> | Automatic white balance with control on base unit and also on camera. Integrated Zoom lens.  |
|           | Instrument coupling for rigid endoscopes. Enlarged view.   |
| <b>l)</b> | Preset function keys on camera for control of functions and focus.   |
| <b>m)</b> | Switchable 230/240 VAC   |
| <b>n)</b> | C-mount adaptor 28mm, waterproof   |
| <b>o)</b> | Long camera cable with minimum length 300cm.   |
| <b>p)</b> | 16" TFT monitor, LCD flat screen. Not same as in point number 12.  |
| <b>q)</b> | Swivel arm mounted on microscope column for video monitor.   |
| <b>r)</b> | Aseptic splash protection for the objective lens.  |
| <b>s)</b> | Sterelizable hand grip covers and caps.  |
| <b>21</b> | Both USFDA and European CE approved and inclusion subject to demonstration if asked for by experts.  |
| <b>22</b> | Integrated fibre optic light source for telescopes with 4 fibre optic cable. Cold light source (Preferably LED) Intensity adjustable from 50- 150W. Heat absorbance filter and ventilation system. Four outlets for light cable. It will be preferable if light source is placed near the endoscopic quivers.          |
| <b>23</b> | Fiberoptic head light.   |
| <b>a)</b> | Adjustable & comfortable head band vertical and side to side adjustable. Preferably automatic activation of head light.  |
| <b>b)</b> | Approximately 300 cm fibroptic chord.  |
| <b>c)</b> | Focal length 20-30 cm.   |
| <b>d)</b> | Adjustable light spot diameter.  |
| <b>e)</b> | Spare lamp for head light.   |
| <b>f)</b> | Compatible with light source housed in main unit.  |
|           | Doctor's Stool with adjustable backrest and height   |
| <b>a)</b> | Pneumatic cylinder with height adjustable  |
| <b>b)</b> | Min. seat height: 46 cm to 55cm  |
| <b>c)</b> | Max. seat height: 50cm to 75cm   |
| <b>d)</b> | 360° rotatable   |
| <b>e)</b> | Seat Ø 30 cm to 40cm   |
| <b>f)</b> | Adjustable backrest (height and depth)   |
| <b>g)</b> | Cross-type base  |
| <b>h)</b> | Safety castors   |
| <b>25</b> | Patient Examination & Treatment Chair  |
| <b>a)</b> | Motorized and ergonomically designed facilitating the postures of both Doctor and patient.   |
| <b>b)</b> | Seat should have motorized lifting device. Lifting range 30 cm. Height 50 to 82 cm.  |
| <b>c)</b> | Integrated foot switch for easy adjustment of height.  |
| <b>d)</b> | Should have complete rotation 360 degree with locking device.  |

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| e)        | Armrest should be comfortably padded and can be folded back for enabling easy sitting of overweight  |
| f)        | Backrest should recline to horizontal position and -100 to Trendelenberg position and adjustable head rest.  |
|           | Arm rest and leg rest should simultaneously follow the chair's sequence of movement until it reaches the complete horizontal position. Electric back rest adjustment.  |
| g)        | Head rest should have adjustable height.   |
| h)        | Electric rotation 1800.  |
| i)        | Should confirm US FDA and European standards.  |
| j)        | Power 220-240 Volts/50 Hz.   |
| <b>26</b> | <b>Separate Instrument Cabinet Unit</b>  |
| a)        | Should have stainless steel top with large instrument surface with aluminium trays and set of stainless steel dividers.  |
| b)        | Dust cover, integrated waste container with foot pedal.  |
| c)        | Removable drawer for used instrument along with compartment for bottles.   |
| d)        | It should have drawers for storage and instrument drawers with aluminium, trays and set of stainless steel dividers.   |
| e)        | The unit should be mobile on castors.  |
| <b>27</b> | <b>Head mirror rest with automatic on/off switch.</b>  |
| <b>28</b> | <b>Appropriate UPS with 15 minutes' backup for the whole equipment.</b>  |
| <b>29</b> | <b>Other terms and conditions</b>  |
| a)        | Warranty 5 years from the date of installation.  |
| b)        | CMC for 5 years. It should cover all components of unit (i.e. microscope, cold light source, suction system, head lamp suspension, fibre-optic head light, examination chair, doctor's chair, endoscopy centre including endoscopes, camera and monitor etc.)  |
| c)        | An undertaking to be provided by the principal/manufacturer of the system for availability of spares for 10 years from the date of installation.   |
| d)        | Technical bid should mention complete specifications of the unit. A pen/pencil diagram of the unit is to be provided with the technical bid which should show all specifications labelled as numbers of the specifications mentioned in the tender.  |
|           | This document attachment is not to be taken as replacement of original brochure which is to be essentially provided. No photocopy of the brochure is to be attached.   |
| e)        | A separate compliance report (other than technical bid) is required.   |
| f)        | A point wise technical compliance report prepared in the same sequence as specifications are mentioned in the tender must be provided. The document should clearly indicate that weather the compliance on each specification has been met or not, and any deviation if present should be mentioned. A separate column showing the location of particular specification on brochure should be added. |
| g)        | All essential components should of the same manufacturer.  |
| h)        | List of installation of the quoted model (national and international) to be provided.  |
| i)        | Should have service centre in India (preferably in North India).   |
| j)        | Short listed bidders will have to give demonstration of quoted model before finalizing the evaluation of their bids (if the committee desires).  |
| k)        | Suppliers are also required to produce for all equipment the European CE / USFDA/BIS certification.  |
| l)        | Manufacturer shall ensure fixation and function of unit at the time of installation.   |
| m)        | Satisfactory performance certificate from two central government hospitals of national importance (Like AIIMS, PGI, JIPMER etc) is necessary.  |

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| <b>SI NO.</b> | <b>Sch. 22<br/>Shaver System Cum Micro Drill</b> |
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|  | A. It should be fully upgradable to one unit- six functions:  |
|  | 1. Shaver system for surgery of the paranasal sinuses and anterior skull base                               |
|  | <b>2. Drill for Otology/NASAL/DCR &amp; Skull Base Surgery</b>  |
|  | 3. Sinus shaver   |
|  | <b>4. Micro saw (Oscillating type)</b>  |
|  | 5. Skeeter Drill( for stapedotomy)  |
|  | B. Drill System:  |
|  | 1. Built in microprocessor controlled flow rate irrigation pump.  |
|  | 2. Integrated irrigation and coolant pump(silicon tubing)   |
|  | 3. Should be compatible with Micro ear drill handpiece& drill bits ( universal)                             |
|  | <b>4. Maximum Revolution for Shaver mode should be 5000 rpm or more</b>                                     |
|  | 5. Maximum revolution for sinus burr mode should be 12,000 rpm  |
|  | 6. Maximum revolution speed for Drill mode should be 40,000 – 60,000 rpm.                                   |
|  | 7. Power supply 230-240 VAC, 50/60 Hz.  |
|  | 8. Easy to maintain and sterilizable.   |
|  | 9. Both Autoclavable and Disposable range of blades should be available.                                    |
|  | <b>10. Along with blades (2 each) – straight, curved (45, 60 &amp; 90 degrees) and circular (laryngeal)</b> |
|  | <b>11. Multifunction foot switch</b>  |
|  | <b>C. Handpiece Maintenance kit</b>   |
|  | 1. Lubricating and cleaning   |
|  | 2. Voltage 220V AC at 50Hz / 22 V at 1 Hz   |
|  | 3. Air supply 0.35 to 0.60MPa   |
|  | 4. Capability – 350ml   |
|  | 5. Air Displacement – 60 L/min  |
|  | D. Hand piece Straight / angled (compatible with micromotor drill) 02 each                                  |
|  | <b>E. Drill bit Cutting/polishing 0.5 or 0.6/1.0/2.0/3.0/4.0/5.0/6.0/7.0 or 8.0 mm 04 each</b>              |
|  | <b>F. Saw blades – 04 nos (Separate handpiece for SAW to be provided)</b>                                   |
|  | G. Nasal drill bit with and without guard 02 Each   |
|  | <b>Added Para. The equipment should be European CE or US FDA or BIS approved.</b>                           |

| <b>Sch. 23</b>         |   |                 |
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| <b>ENT Surgery set</b> |   |                 |
| <b>SI NO.</b>          | <b>Description</b>  | <b>Quantity</b> |
| 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.         |

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| 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     |

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| 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. |

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| 112 | House Measuring Rods. Set of 4.  | 02 sets |
| 113 | Piston Depth Gauge. Shea. Matted 17.5cm. Piston Depth Gauge. Fisch. Matted 16.5cm. | 02 Nos. |
| 114 | Teflon Piston Cutting Jig.   | 02 Nos. |
| 115 | Curette, House. Straight 1mm/1.5mm. Length 15cm.                                   | 03 Nos. |
| 116 | Curette, House. Straight 2mm/2.5mm. Length 15cm.                                   | 03 Nos. |
| 117 | Curette, House. Ald. 1mm/1.5mm. Length 15cm.                                       | 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. Serrated .6mm/3.5mm. Jaws Straight Matted 8cm.                 | 03 Nos. |
| 122 | Forceps, Crocodile. Serrated .8mm/4mm. Jaws Straight. Matted 8cm.                  | 03 Nos. |
| 123 | Forceps, Crocodile. Serrated .8mm/4mm. Jaws. Rt. Matted 8cm.                       | 03 Nos. |
| 124 | Forceps, Crocodile. Serrated .8mm/4mm. Jaws. Lt. Matted 8cm.                       | 03 Nos. |
| 125 | Forceps, Crocodile. Serrated .8mm/4mm. Jaws. Up. Matted 8cm.                       | 03 Nos. |
| 126 | Forceps, Crocodile. Serrated .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       |
|     | <b>Note for Instruments sets</b>   |         |
|     | <b>TITANIUM INSTRUMENTS :</b>  |         |
| 1   | All Instruments should be of international quality and made from                   |         |

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|    | 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, SGPGETc.) 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.                         |   |
|    | <b>STAINLESS STEEL INSTRUMENTS :-</b>   |   |
| 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 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..                        |   |
|    | <b>Septo- Rhinoplasty Set</b>   |   |
| 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 |

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|----|---|--------|
| 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  |
|    | <b><u>Note for Instruments sets</u></b>   |        |
|    | <b>TITANIUM INSTRUMENTS :</b>   |        |
| 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.                         |   |
|    | <b>STAINLESS STEEL INSTRUMENTS :-</b>   |   |
| 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 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.                         |   |
|    | <b>Tonsillectomy &amp; Adenoidectomy Set</b>  |   |
| 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  | Driffin 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/Schmidt. 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 of 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.  | 2 |

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|    | Clair Thomson. CP/SS Handle. 8mm, 24cm/9.25".   |   |
| 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, Peritonsillar Abscess. 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>(b) Set for nasal bone fracture</b>  |   |
| 1  | Asch forceps  | 2 |
| 2  | Walsham forceps   | 2 |
| 3  | St. Clair Thompson Nasal Speculum   | 2 |
| 4  | Killian Long bladed Nasal speculum  | 2 |
|    | <b>Note for Instruments sets</b>  |   |
|    | <b>TITANIUM INSTRUMENTS :</b>   |   |
| 1  | All Instruments should be of international quality and made from surgical grade titanium.   |   |
| 2  | The "Hinges" should be rust proof   |   |
| 3  | The instruments should be guaranteed against metal fatigue and rust for at least 02 years. Further repair should be available for next 5 years.                         |   |
| 4  | The instruments surface should be non-reflective.   |   |
| 5  | The brand name along with catalogue number should be etched on the instruments.   |   |
| 6  | 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 called for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality.                       |   |
|    | <b>STAINLESS STEEL INSTRUMENTS :-</b>   |   |
| 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.   |   |



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| 5  | The brand name along with catalogue number should be etched on the instruments.   |                |
| 6  | The instrument should be CE & FDA 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..                        |                |
|    | <b><u>Tracheostomy set - 4 Sets of Below Items</u></b>  |                |
|    | 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<br>2 nos |
| 19 | BP Handle (Size- No: 3)   | 2              |
| 20 | Sponge Holding forceps  | 2              |
| 21 | Cricoid Hook(Single prong and Double prong)   | 2 nos          |
|    | <b><u>Note for Instruments sets</u></b>   |                |
|    | <b>TITANIUM INSTRUMENTS :</b>   |                |
| 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.                         |                |
|    | <b>STAINLESS STEEL INSTRUMENTS:-</b>  |                |
| 1  | All Instruments should be of imported and made from surgical grade stainless steel. Documentary evidence required for grade of material.                                |                |

|    |  |   |
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| 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 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.. |   |
|    | <b>INSTRUMENTS FOR MICROLARYNGEAL SURGERY (MLS)</b>  |   |
| 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- 0° 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 ratchet-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 45° 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 ratchet  | 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  | 1 |

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|    | side  |        |
| 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      |
|    | All accessories should be from the same manufacturer and should be European CE/ US FDA approved   |        |
|    | <b>Note for Instruments sets</b>  |        |
|    | <b>TITANIUM INSTRUMENTS :</b>   |        |
| 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.                         |        |
|    | <b>STAINLESS STEEL INSTRUMENTS :-</b>   |        |
| 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  |        |

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|    | the instruments.   |            |
| 6  | The instrument should be CE & FDA 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.. |            |
|    | <b><u>General Instruments for ENT (Head &amp; Neck)</u></b>  |            |
| 1  | BP Handle  | 2 Nos.     |
| 2  | Skin hooks(single and Double)  | 4 nos      |
|    |  | 4 Nos.     |
| 3  | Langenbeck right angle retractor(Short Blade)  | 2 Nos.     |
|    | Langenbeck right angle retractor(Long Blade)   | 2 Nos.     |
| 4  | Allis tissue holding forceps   | 1 No.      |
| 5  | Adson tissue forceps   | 4 Nos.     |
| 6  | Artery forceps   |            |
|    | i. Small (Curved and straight)   | 6 nos      |
|    |  | 6 Nos.     |
|    | ii. Medium (Curved and straight)   | 6 nos      |
|    |  | 6 Nos.     |
|    | iii. Large (Curved and straight)   | 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.     |
|    |  | 4 Nos.     |
| 13 | Needle holder(Variable size)   | 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.      |
|    | <b><u>Note for Instruments sets</u></b>  |            |
|    | <b>TITANIUM INSTRUMENTS :</b>  |            |

|   |  |  |
|---|--|--|
| 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.  |  |
|   | <b>STAINLESS STEEL INSTRUMENTS :-</b>  |  |
| 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 | <b>All the instruments should be European CE or USFDA approved.</b>  |  |
| 8 | The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality..   |  |
|   | <b>Added Para. Items of SI no<br/>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)</b> |  |

| <b>Sch. 24</b>                      |  |                 |
|-------------------------------------|--|-----------------|
| <b>Endoscopic Sinus Surgery Set</b> |  |                 |
|                                     | <b>Instruments</b>   | <b>Quantity</b> |
|                                     | 0 degree, 4mm, 18cm wide angle straight forward telescope, autoclavable                            | 2               |
|                                     | 2. 30 degree, 4mm, 18cm wide angle straight forward telescope, autoclavable                        | 2               |
|                                     | 3. 45 degree, 4mm 18cm wide angle straight forward telescope, autoclavable                         | 1               |
|                                     | 4. 70 degree, 4mm, 18cm wide angle straight forward telescope, autoclavable                        | 1               |
|                                     | 5. 0 degree, 2.7mm, 18cm straight forward telescope, autoclavable                                  | 1               |
|                                     | 6. 30 degree, 2.7mm, 18cm straight forward telescope, autoclavable                                 | 1               |
|                                     | 7. Compatible handle for above telescopes  | 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, Outer diameter 2.5cm, working length 13cm  | 1           |
| 16. Antrum cannula, Luer-lock, with cut-off hole, short curved, outer diameter 3mm & 4 mm, length 12.5cm   | 01 each     |
| 17. Bipolar coagulation forceps, insulated, angular, blunt, with integrated suction channel, with cut-off hole, length 19cm, to be supplied with Bipolar High frequency cord | 1           |
| 18. Bipolar Suction forceps, 15 deg upturned, with suction channel, working length 12.5cm, to be supplied with Bipolar High frequency cord                                   | 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   | 04 Nos.     |
| 34. Through cut forceps (straight & 45deg) – 18x3mm, 11.5x3.5mm  | 02 Nos each |
| 35. Malleable suction  | 02 Nos.     |
| 36. DCR punch-3mm & 2mm (Straight & Curved)- 90 degree   | 02 Nos each |
| 37. Frontal sinus seeker (Double ended 22cm- 70deg and 90deg)  | 01 each     |
| <b>B. XENON LIGHT SOURCE AND LIGHT CABLE</b>   |             |
| 1. High light intensity with 300 watt Xenon Lamp (with one extra spare bulb)   |             |
| 2. High colour temperature – more than 6000 K corresponds to brightness of sunlight resulting in high visual and photographic clarity for colour rendition.                  |             |
| 3. Monitoring of lamp function.  |             |
| 4. <b>Unit should be compatible for remote controlled operation of the various features along with other equipment.</b>  |             |
| 5. Lamp type- Xenon lamp, 300 watt   |             |
| 6. Colour temperature- approx. 6000 K  |             |
| 7. Light outlets – 1   |             |
| 8. Light intensity adjustment continuously adjustable from 0 to 100% either manually or Automatically by the camera video-output signal.                                     |             |

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|  | 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 approved  |  |
|  | <b>Note for Instruments sets</b>   |  |
|  | 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 /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                          |  |

| SI NO. | Sch. 25<br><u>Esophagoscope set</u>  | Quantity |
|--------|--|----------|
|        | Name with specification  |          |
| 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 mm Oesophagoscope          | 1        |
| 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 2.5mm Diameter 1.80 meter length  | 2 |
| 19 | Cold light source 250 Watt  | 1 |
| 20 | All accessories should be from the same manufacturer and should be European CE/ US FDA approved   |   |
|    | Note for Instruments sets   |   |
|    | <b>TITANIUM INSTRUMENTS :</b>   |   |
|    | 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.                        |   |
|    | <b>STAINLESS STEEL INSTRUMENTS :-</b>   |   |
|    | 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   |   |
|    | <b>6. All the instruments should be European CE or USFDA or BIS approved.</b>   |   |
|    | 7. The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality                         |   |

|               |  |
|---------------|--|
| <b>SI NO.</b> | <b>Sch. 26<br/>Bronchoscopy Set</b>  |
|               | <b>A. ADULT</b>  |
|               | 1. Straight Forward Telescope 0°, diameter 4.5 mm, length 50 cm, autoclavable. |



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| Fiber optic light transmission incorporated, 01  |
| 2. Bronchoscope Tube Universal, without distal fiber optic light carrier for use with proximally insertable prismatic light deflector and plugs length 43 cm, size 8.5 01                    |
| 3. Bronchoscope Tube Universal, without distal fiber optic light carrier, for use with proximally insertable prismatic light deflector and plugs length 43 cm, size 7.5 01                   |
| 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>B. PAEDIATRIC &amp; NEONATE</b>   |
| 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 mentioned Bronchoscope 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-Esophagoscopes, with bean jaws, 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  |

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|  | 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 positive 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  |
|  | <b>TITANIUM INSTRUMENTS :</b>  |
|  | 1. All Instruments should be of international quality and made from surgical grade titanium.   |
|  | 2. The “Hinges” should be rust proof   |
|  | 3. The instruments should be guaranteed against metal fatigue and rust for at least 02 years. Further repair should be available for next 5 years                          |
|  | 4. The instruments surface should be non-reflective.   |
|  | 5. The brand name along with catalogue number should be etched on the instruments.   |
|  | 6. 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.                         |
|  | <b>STAINLESS STEEL INSTRUMENTS :-</b>  |
|  | 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.   |
|  | <b>6. All the instruments should be European CE or USFDA approved.</b>   |
|  | 7. The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality.                         |

| SI No. | Sch. 27<br><b>E.N.T. OPERATING MICROSCOPE</b>   |
|--------|---|
|        | <b>1. Heavy Mobile floor stand with mechanical/Magnetic brakes and good counter weight balancing system and locking device.</b> |
|        | 2. All the cables should be inside the stand and microscope arm for protection.   |
|        | 3. Motorized Zoom Magnification system with apochromatic optics   |
|        | 4. Manual magnification changer, 1:6 ratio in 5 steps.(Max. magnification up to 18.5x or more)                                  |
|        | <b>5. Field of View 10 mm to 150 mm continuously variable.</b>  |

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|  | 6. <b>Objective lens working distance 200-500 mm, with multifocal objectives ( 200mm for otology, 300 mm for rhinology and 400mm )</b>             |
|  | 7. <b>Tilt able Binocular tube up to 180 degree</b>  |
|  | 8. Stereo co-observer Tube   |
|  | 9. Facility for adjusting speed of the focusing motor to adapt for different magnification.  |
|  | 10. Complete auto balance by single push button.   |
|  | 11. Motorized zoom and focus control on Pair of handles and wireless foot Control.   |
|  | 12. Microscope Head should be freely mobile to all the directions and can be maneuvered to laryngeal surgery.                                      |
|  | 13. Xenon illumination for day light character with back-up illumination of Xenon lamp with power supply preferable inbuilt in sturdy floor stand. |
|  | 14. <b>Suitably mounted / Integrated Three chip HD camera</b>  |
|  | 15. Minimum 20" HD video touch screen monitor compatible with camera, mounted on the microscope arm  |
|  | 16. CD/ DVD recording device for documentation.  |
|  | 17. Integrated HD digital video recording facility with appropriate video editing software.  |
|  | 18. <b>Trolley to keep CD/DVD recording device etc.</b>  |
|  | 19. One Spare Xenon bulb   |
|  | 20. Microscope should be adaptable to Micromanipulator for LASER   |
|  | 21. Any other accessory which is must for functioning of the equipment like continuous voltage stabilizer etc.                                     |
|  | 22. Voltage 230, frequency 50-60 Hz  |
|  | 23 <b>All accessories except CVT should be from the same manufacturer and should be European CE / US FDA/BIS approved.</b>                         |

| SI No. | Sch. 28<br><u>Pure Tone Audiometer</u>   |
|--------|--|
|        | 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   |
|        | 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   |

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| 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 |
| <b>Audiometer should have:-</b>  |
| <b>1. Facility to connect printer directly.</b>  |
| <b>2. Mention availability of Audiogram display.</b>   |
| <b>3. Should have internal memory for 500 patients.</b>  |

| SI NO. | Sch. 29<br><b><u>Brainstem Evoked Response Audiometer (BERA) with ASSR</u></b>                         |
|--------|--|
|        | 1. BERA:   |
|        | i. 2 channels.   |
|        | ii. Windows based.   |
|        | iii. Bone Conduction.  |
|        | iv. Integrated database.   |
|        | v. Pre-programmed auto tests.  |
|        | vi. Waveform reproducibility indication.   |
|        | vii. Split left/right recordings.  |
|        | viii. Simultaneous recording of condensation rarefaction stimuli.                                      |
|        | ix. Normative data indication.   |
|        | x. Wave editing during testing   |
|        | xi. Digital filter application (during and after test).  |
|        | xii. Add, subtract curves  |
|        | xiii. Low noise amplifier  |
|        | xiv. Ecoch G recordings with markers   |
|        | xv. Middle Latency   |
|        | xvi. Late Latency (P300, MMN etc.)   |
|        | xvii. <b>Essential facility for OAE and NCT.</b>   |
|        | 2. ASSR:   |
|        | i. PreAmplifier  |
|        | ii. 2 channels   |
|        | iii. Gain 80 dB  |
|        | iv. Frequency Response upto 8000Hz   |
|        | v. Noise 6.0 nV Hz   |
|        | vi. CMR Ratio > 115 dB at any frequency between 0.1Hz & 10Hz.  |
|        | vii. Input Impedance > 10M   |
|        | viii. Impedance Check  |
|        | ix. Ranges 0.5k – 25k.   |
|        | 3. All accessories should be from the same manufacturer and should be European CE/ US FDA/BIS approved |
|        | 4. Should have adjustable Intensity- Latency norms   |
|        | 5. Should have stimulus type; should be- clik, pure tone & Filter.                                     |

| SI NO. | Sch. 30<br><b><u>Impedance audiometer/ Tympanometer</u></b> |
|--------|---|
|        | Impedance audiometer with contra ear testing facilities     |
|        | 1. Multifrequency   |

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|--|
| 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 - $\pm 5\%$ to $\pm 10$ daPa   |
| 6. Test Time- < 3 Seconds  |
| 7. Reflex Mode   |
| 8. Test Frequencies- 500, 1000, 2000, 4000 Hz $\pm 2\%$  |
| 9. Test Method- Ipsilateral, Contralateral   |
| 10. Noise (Band) - WN/HP/LP  |
| 11. Intensities IPSI Lateral-70 to 110 dbHz  |
| <b>12. Intensities Contra Lateral- 70 to 120 dbHz</b>  |
| 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   |
| <b>18. Memory :test results of minimum 20 cases.</b>   |
| <b>19. Probe - Light weight, Hand Held , With Built in control light &amp; switch.</b>                     |
| 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/<br>US FDA/BIS approved |

| SI NO.   | Sch. 31<br><b>OAE (Otoacoustic Emission -Screening unit)</b> |
|--|--|
| 1. TEOAE   |  |
| i. 1.5 to 4 kHz  |  |
| ii. Sample Rate - 16 kHz   |  |
| iii. Stimulus Level- ca. 80 dB SPL peak  |  |
| iv. <b>Deleted</b>   |  |
| 2. DPOAE   |  |
| i. DP 2 to 5 kHz   |  |
| ii. Frequency Ratio f2/f1- 1.2   |  |
| iii. Level Ratio L2/L1- Scissor Paradigm   |  |
| iv. Measurement Interval- 512 samples  |  |
| v. Frequencies f2- 1.5, 2, 3, 4, 6, 8, kHz (single & multiple selections possible) |  |
| vi. Stimulus Levels L2- 35 to 65 dB HL (in steps of 5dB)                           |  |
| vii. Also battery operated   |  |
| viii. Multiple test methods  |  |
| ix. <b>Database for at least 200 tests</b>   |  |
| x. Data transfer to PC via USB or wireless   |  |
| xi. Printing via PC/ Printer(Software should be included)                          |  |
| xii. Stimulus intensity: 40 to 70 dB SPL (DPOAE). 83 dB                            |  |
| xiii. <b>Deleted</b>   |  |
| xiv. Maximum output (Protection): 90 dB SPL.                                       |  |
| xv. <b>Power supply: (4) AA/UM-3/R6 - alkaline, lithium.</b>                       |  |
| xvi. Battery life: Approximately 250-300 tests.                                    |  |

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|  | xvii. Display: LCD-display 4 line x 10 character.   |
|  | xviii. All accessories should be from the same manufacturer and should be European CE/ US FDA /BIS approved   |
|  | <p><b>Added Para-</b></p> <p><b>1) It should be upgradable to diagnostic DPOAE and TEOAE</b></p> <p><b>2) Should have cavity test to check probe maintenance.</b></p> <p><b>3) Should have adjustable noise floor.</b></p> <p><b>4) Should have neonate modes for newborn hearing screening</b></p> <p><b>5) Should have ear tips of different size &amp; both foam types. 6) OAE should be upgradable.</b></p> |

| SI NO. | <b>Sch. 32</b><br><b><u>Flexible Rhino-Pharyngo Laryngoscope</u></b>                                   |
|--------|--|
|        | A. General Specifications:   |
|        | 1. Should have large viewing angle and movable distal tip for better orientation                       |
|        | 2. Waterproof, fully immersible for cleaning and disinfections   |
|        | 3. Sterilizable with ETO gas, steris and sterrad   |
|        | 4. Resistant construction and robust mechanics   |
|        | B. Technical Specifications:   |
|        | 1. Direction of view: 0 deg.   |
|        | 2. Angle of view: 100-110 deg.   |
|        | <b>3. Working length: 20-25 cm or better</b>   |
|        | 4. Outer diameter: 5-5.5 mm  |
|        | 5. Instrument Channel: 2-2.5mm   |
|        | <b>6. Deflection: Upward upto 160 deg, Downward upto 150 deg.</b>                                      |
|        | C. The following accessories should be included:   |
|        | 1. Carrying Case   |
|        | 2. Pressure compensation cap   |
|        | 3. Leakage tester  |
|        | 4. Mouth piece   |
|        | 5. Cleaning Brush  |
|        | 6. One Biopsy Forceps- Double action Jaws  |
|        | 7. One Grasping Forceps- Double action Jaws  |
|        | D. All accessories should be from the same manufacturer and should be European CE/ US FDA/BIS approved |

| SI NO. | <b>Sch. 33</b><br><b><u>Videonystagmographic Machine (VNG)</u></b>  |
|--------|---|
|        | 1. With sensitivity of minimum 105 images per second binocular, minimum 174 images per second monocular.  |
|        | <b>2. Channel system &amp; Goggle with two cameras (non occluded and occluded view)</b>   |
|        | 3. Able to perform all vestibular tests including smooth pursuit test (tracking)  |
|        | 4. Compatible with latest windows software  |
|        | 5. Laptop with minimum Processor core i3, 4GB DDR3 RAM, 500 GB hard disk with resolution of 1024x768 resolution or better, B/w Laser printer for documentation. |
|        | 6. Rotary chair, irrigation for water and air included.   |
|        | 7. Software should be user friendly and free upgradable for next 10yrs.   |
|        | 8. Should be capable of performing following tests –  |
|        | a. Calibration test   |
|        | b. Gaze Nystagmus test  |
|        | c. Pendulum tracking  |

|  |  |
|--|--|
|  | d. Optokinetic tracking  |
|  | e. Position tracking   |
|  | f. Water caloric tracking  |
|  | g. Air caloric tracking  |
|  | 9. Should be European CE / US FDA approved   |
|  | Note for Instruments sets  |
|  | <b>TITANIUM INSTRUMENTS :</b>  |
|  | 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                          |
|  | <b>STAINLESS STEEL INSTRUMENTS :-</b>  |
|  | 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  |
|  | <b>6. The instruments should be European CE or USFDA or BIS approved.</b>  |
|  | 7. The instruments might be call for demonstration and approval. It is the sole discretion of the department to approve or disapprove the quality                          |
|  | <b>Added Para:</b>   |
|  | <b>i. VNG unit &amp; Rotary chair for VNG from the same manufacturer.</b>  |
|  | <b>ii. Digital projector with screen for target viewing has to be included.</b>  |

| SI NO. | <b>Sch. 34<br/>LED Head lights</b>  |
|--------|---|
|        | 1. Integrated battery/battery light source that allows more freedom of movement.                        |
|        | 2. No separate light source required  |
|        | 3. No separate light cable required   |
|        | 4. No mains supply required   |
|        | 5. Low energy consumption   |
|        | 6. No need to change the lamp (Atleast 50,000 hours of service life)                                    |
|        | 7. Available with rechargeable battery option   |
|        | 8. Yellow/ white light  |
|        | 9. Luminosity adjustable from 10 to 100 mm at a working distance of 40 cm                               |
|        | 10. Soft flexible headband  |
|        | 11. Ergonomic fit   |
|        | 12. Easy vertical and horizontal adjustment to the shape of head  |
|        | 13. Extension cable for attaching the rechargeable battery and battery box to the clothing              |
|        | 14. All accessories should be from the same manufacturer and should be European CE/ US FDA/BIS approved |

**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 Warranty period.

2. After Sales Service:

After sales service centre should be available at the city of Hospital/Institution/Medical College on 24 (hrs) X 7 (days) X 365 (days) basis. Complaints should be attended properly, maximum within 8 hrs. The service should be provided directly by 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 with Turnkey:

- a) The cost of Comprehensive Maintenance Contract (CMC) which includes preventive maintenance including testing & calibration as per technical/ service /operational manual of the manufacturer, labour and spares, after satisfactory completion of Warranty period may be quoted for 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 CMC period
- b) The cost of CMC may be quoted along with taxes applicable on the date of Tender Opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
- c) 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 CMC period.
- e) There will be 95% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.
- f) Deleted
- g) All software updates should be provided free of cost during CMC.
- h) Failure of the above [4. e) to 4. g)] by the supplier, may lead to the forfeiture of the Bank Guarantee for Annual CMC.
- i) The payment of CMC will be made as stipulated in GCC Clause 21.

**Turnkey / 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 be ignored.
- 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 maintenance call.
- 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 & preliminary troubleshooting.
-

**SECTION – VIII**  
**Quality Control Requirements**

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 postal address
  - b. full address of the premises
  - c. e-mail address
  - d. telephone number
  - e. fax number
  
- 02 Plant and machinery details
- 03 Manufacturing process details
- 04 Monthly (single shift) production capacity of goods quoted for
  - a. **normal production capacity: (Indicate the qty)**
  - b. **maximum production capacity : (Indicate the qty)**
  
- 05 Total annual turn-over (value in Rupees)
- 06 Quality control arrangement details
  - a. for incoming materials and bought-out components
  - b. for process control
  - c. for final product evaluation
- 07 Test certificate held
  - a. . type test
  - b. . BIS/ISO certification
  - c. . any other
- 08 Details of staff
  - a. technical
  - b. skilled
  - c. unskilled

**Signature and seal of the Bidder**

## SECTION – IX

### Qualification Criteria

01. The Bidder must be a Manufacturer or its authorized agent.
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 in India.
- (b) The Tenderers quoting as authorized representative of the manufacturer meeting the above criteria should have executed at least one contract in the last five years from the date of tender opening of medical equipment anywhere in India of the same manufacturer.

#### Note:

1. In support of 2 (a) & 2(b), the Bidder shall furnish Performance statement in the enclosed Proforma '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 Section VIII.
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 the Purchaser.
4. The bidders/ firms identifying as MSME and or start-up firms are exempted from fulfilling criteria at S. No. 2 (a) and 2(b) stated above. However, this does not exempt any bidder/ firm/ manufacturer from fulfilling the quality requirements.

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

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.

#### NOTE:

1. The tenderer shall give an affidavit as under:  
**"We hereby certify that if at any time, information furnished by us is proved to be false or incorrect, we are liable for any action as deemed fit by the purchaser in addition to forfeiture of the earnest money."**
2. In support of 2 (a) & 2 (b), the Tenderer shall furnish Performance statement in the enclosed Proforma 'A'. The manufacturer (Tenderer)/ Indian Agent shall furnish Satisfactory Performance Certificate in respect of above, duly translated in English and duly notarized in the country of origin, alongwith the tender.
3. The Tenderer shall furnish a brief write-up, packed with adequate data explaining and establishing his available capacity/capability (both technical and financial) to perform the Contract (if awarded) within the stipulated time period, after meeting all its current/present commitments. The Tenderer shall also furnish details of Equipment and Quality Control in the enclosed Section VIII.
4. Notwithstanding anything stated above, the Purchaser reserves the right to assess the Tenderer's capability and capacity to perform the contract satisfactorily before deciding on award of Contract, should

circumstances warrant such an assessment in the overall interest of the Purchaser.

5. The bidder should submit the manufacturer's production capacity, meeting the quantity requirement and delivery schedule requirement of this tender document 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 Price Tender.

**PROFORMA 'A'**

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

Tender Reference No. : \_\_\_\_\_  
 Date of opening : \_\_\_\_\_  
 Time : \_\_\_\_\_  
 Name and address of the Bidder : \_\_\_\_\_  
 Name and address of the manufacturer : \_\_\_\_\_

| 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 TE document No. \_\_\_\_\_ dated \_\_\_\_\_

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

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 the contract.

We agree to keep our tender valid for acceptance as required in the GIT clause 20, read with modification, if any in Section - III – “Special Instructions to Tenderers” or for subsequently extended period, if any, agreed to by us. We also accordingly confirm to abide by this tender up to the aforesaid period and this tender may be accepted any time before the expiry of the aforesaid period.

We further 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 of Price Format in Excel provided in the e-tendering portal.

**SECTION – XII**  
**QUESTIONNAIRE**

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

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

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



**SECTION – XIII**

**BANK GUARANTEE FORM FOR EMD**

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

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

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

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

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

---

(Signature of the authorised officer of the Bank)

---

---

Name and designation of the officer

---

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

**SECTION – XIV**

**MANUFACTURER'S AUTHORISATION FORM**

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

Dear Sirs,

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

We, \_\_\_\_\_ who are proven and reputable manufacturers of \_\_\_\_\_ (*name and description of the goods offered in the tender*) having factories at \_\_\_\_\_ hereby authorise Messrs \_\_\_\_\_ (*name and address of the agent*) to submit a tender, 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 by us.

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

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

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.

Yours faithfully,

---

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

[Name & address of the manufacturers]

Note:

- 1) This letter of authorisation should be on the letter head of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind the manufacturer.
- 2) Original letter may be sent.

**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 supply order no \_\_\_\_\_ dated \_\_\_\_\_ to supply (description of goods and services) (herein after called “the contract”).

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognised by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

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

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

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

This guarantee shall be valid upto \_\_\_\_\_(*indicate date*)

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

.....  
Name and designation of the officer

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

**SECTION – XVI**

**CONTRACT FORM FOR ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT**

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

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

\_\_\_\_\_  
 (Name & Address of the Supplier)

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

In continuation to the above referred contract, 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 3 Years [3 x (4a+4b+4c)] |
|              |                            |                  | 1 <sup>st</sup>  | 2 <sup>nd</sup> | 3 <sup>rd</sup> |   |
|              |                            |                  | a  | b               | C               |   |
|              |                            |                  |  |                 |                 |   |

- a) Total value (in figure) \_\_\_\_\_ (In words) \_\_\_\_\_
- b) The CMC commence from the date of expiry of all obligations under Warranty i.e. from \_\_\_\_\_ (date of expiry of Warranty) and will expire on \_\_\_\_\_ (date of expiry of CMC)
- c) The cost of Annual Comprehensive Maintenance Contract (CMC) which includes preventive maintenance, labour and spares, after satisfactory completion of Warranty period may be quoted for next \_\_\_ years as contained in the above referred contract on yearly basis for complete equipment and Turnkey (if any).
- 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 downtime period.
- e) During CMC period, the supplier shall visit at each consignee’s site for preventive maintenance including testing and calibration as per the manufacturer’s service/ technical/ operational manual. The supplier shall visit each consignee site as recommended in the manufacturer’s manual, but at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.
- f) All software updates should be provided free of cost during CMC.
- g) The bank guarantee valid till \_\_\_\_\_ [(fill the date) 2 months after expiry of entire CMC period] for an amount of Rs. \_\_\_\_\_ [(fill amount) equivalent to 2.5% of the cost of the Equipments as per contract] shall be furnished in the prescribed format given in Section XV of the TE document, along with the signed copy of Annual CMC within a period of 21 (twenty one) days of issue of Annual CMC failing which the proceeds of Performance Security shall be payable to the Purchaser/Consignee.
- h) If there is any lapse in the performance of the CMC as per contract, the proceeds Annual CMC bank guarantee for an amount of Rs. \_\_\_\_\_ (equivalent to 2.5 % of the cost of the Equipment as per contract) shall be payable to the Consignee.
- i) **Payment terms:** The payment of Annual CMC will be made against the bills raised to the consignee by the supplier on six monthly basis after satisfactory completion of said period, duly certified by the Consignee. The payment will be made in Indian Rupees.

j) **Paying authority:** \_\_\_\_\_ (name of the consignee i.e. authorised official)

\_\_\_\_\_

(Signature, name and address  
of Institute 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's Name : \_\_\_\_\_
- 3) Consignee's Name & Address  
with telephone No. & Fax No. : \_\_\_\_\_
- 4) Name of the item supplied : \_\_\_\_\_
- 5) Quantity Supplied : \_\_\_\_\_
- 6) Date of Receipt by the Consignee : \_\_\_\_\_
- 7) Name and designation of Authorized  
Representative of Consignee : \_\_\_\_\_
- 8) Signature of Authorized Representative of  
Consignee with date, Designation & Tel. No : \_\_\_\_\_
- 9) Seal of the Consignee : \_\_\_\_\_

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 of supplier)

\_\_\_\_\_

\_\_\_\_\_

**Subject:** Certificate of commissioning of Equipment/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) Contract No \_\_\_\_\_ dated \_\_\_\_\_
- (b) Description of the Equipment(s)/plants: \_\_\_\_\_
- (c) Equipment(s)/ plant(s) nos.: \_\_\_\_\_
- (d) Quantity: \_\_\_\_\_
- (e) Bill of Loading/Air Way Bill/Railway Receipt/ Goods Consignment Note no. \_\_\_\_\_ dated \_\_\_\_\_
- (f) Name of the vessel/Transporter: \_\_\_\_\_
- (g) Name of the Consignee: \_\_\_\_\_
- (h) Date of handing over the site for installation by the consignee \_\_\_\_\_
- (i) Date of commissioning and proving test: \_\_\_\_\_

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

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

- The proving test has been done to our entire satisfaction and operators have been trained to operate the Equipment(s)/plant(s).
- The supplier has fulfilled its contractual obligations satisfactorily ##  
or
- The supplier has failed to fulfil its contractual obligations with regard to the following:
  - o He has not adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to 'Technical Specifications'.
  - o He has not supervised the commissioning of the Equipment(s)/plant(s) in time, i.e. within the period specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the Equipment(s)/plant(s).
  - o The supplier as specified in the contract has not done training of personnel.
  - o The extent of delay for each of the activities to be performed by the supplier in terms of the contract is \_\_\_\_\_
  - o The amount of recovery on account of non-supply of accessories and spares is given under Para no. 2.
  - o The amount of recovery on account of failure of the supplier to meet his contractual obligations is \_\_\_\_\_ (here indicate the amount).

Signature  
Name  
Designation with stamp

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

- 1) He has adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to 'Technical Specification'.*
- 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 the Equipment(s)/plant(s).*
- 3) Training of personnel has been done by the supplier as specified in the contract.*
- 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 clear terms.*



**SECTION XIX**

**FORM OF INTEGRITY PACT**

**PRE-CONTRACT INTEGRITY PACT**

This Pre-Contract Integrity Pact (herein after called the Integrity Pact) is made on \_\_\_31<sup>ST</sup> \_\_\_ day of the month of \_\_ 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 First Party.

**And**

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

**Preamble**

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

HITES intends to award, under laid down organizational procedures, Purchase orders / contract/s against Tender /Work Order /Purchase Order No. \_\_\_\_\_

HITES desires full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder/s and Contractor/s.

NOW, THEREFORE,

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

1. Enable HITES to obtain the desired materials/ stores/equipment/ work/ project done at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement; and
2. Enable the BIDDER to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing and other corrupt practices and HITES will commit to prevent corruption, in any form, by its officials by following transparent procedures.

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

**Clause.1. Commitments of HITES**

- 1.1 HITES undertakes that HITES and/or its Associates (i.e. employees, agents, consultants, advisors, etc.) will not demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.
- 1.2 HITES will, during the tender process / pre-contract stage, treat all BIDDERS with equity and reason, and will provide to all BIDDERS the same information and will not provide any such information or additional information, which is confidential in any manner, to any particular BIDDER which could afford an advantage to that particular BIDDER in comparison to other BIDDERS in relation to tendering process or during the contract execution.
- 1.3 All the officials of HITES regarding this Integrity Pact will report to IEM, any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach shall not be permitted.
- 1.4 HITES will exclude from the process all known prejudiced persons and persons who would be known to have a connection or nexus with the prospective bidder.
- 1.5 If the BIDDER reports to HITES with full and verifiable facts any misconduct on the part of HITES's Associates (i.e. employees, agents, consultants, advisors, etc.) and the same is prima facie found to be correct by HITES, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by HITES. Further, such an Associate may be debarred from further dealings related to the contract process. In such a case, while an enquiry is being conducted by HITES the proceedings under the contract would not be stalled.

## **Clause 2. Commitments of BIDDERS/ CONTRACTORS**

2. The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following:-
  - 2.1 The BIDDER will not offer, directly or indirectly (i.e. employees, agents, consultants, advisors, etc.) any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of HITES, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.
  - 2.2 The BIDDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of HITES or otherwise in procuring the contract or forbearing to do or having done any act in relation to obtaining or execution of the contract or any other contract with HITES for showing or forbearing to show favour or disfavor to any person in relation to the contract or any other contract with HITES.
  - 2.3 The BIDDER will not engage in collusion, price fixing, cartelization, etc. with other counterparty(s).
  - 2.4 The Bidder (s) will not pass to any third party any confidential information entrusted to it, unless duly authorized by HITES.
  - 2.5 The Bidder (s) will promote and observe ethical practices within its Organization and its affiliates.

- 2.6 BIDDER shall disclose the name and address of agents and representatives and Indian BIDDERS shall disclose their foreign principals or associates.
- 2.7 The Bidder (s) will not make any false or misleading allegations against HITES or its Associates.
- 2.8 BIDDERS shall disclose the payments to be made by them to agents/brokers or any other intermediary, in connection with this bid/contract.
- 2.9 The BIDDER further confirms and declares to HITES that the BIDDER is the original manufacture/integrator/authorized government sponsored export entity of the defense stores and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to HITES or any of its functionaries, whether officially or unofficially to award the contract to the BIDDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.
- 2.10 The BIDDER while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of HITES or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.
- 2.11 The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
- 2.12 The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.
- 2.13 If the BIDDER or any employee of the BIDDER or any person acting on behalf of the BIDDER, either directly or indirectly, is a relative of any of the officers of HITES, or alternatively, if any relative of an officer of HITES has financial interest/stake in the BIDDER's firm, the same shall be disclosed by the BIDDER at the time of filing of tender.
- The term 'relative' for this purpose would be as defined in Section 2(77) of the Companies Act 2013
- 2.14 The BIDDER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of HITES.
- 2.15 The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract, and will not enter into any undisclosed agreement or understanding with other Bidders, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
- 2.16 The BIDDER will not commit any offence under the relevant Indian Penal Code, 1860 or Prevention of Corruption Act, 1988; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the HITES as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.

- 2.17 The BIDDER will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 2.18 The Bidder(s)/Contractors(s) of foreign origin shall disclose the name and address of the Agents/representatives in India, if any. Similarly the Bidder(s)/Contractors(s) of Indian Nationality shall furnish the name and address of the foreign Principal(s), if any.
- 2.19 The Bidder(s) shall not approach the courts while representing the matters to IEM and the Bidder(s) will await their decision in the matter.

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

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

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

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

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

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

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

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

**Clause.5. Consequences of Violation / Breach**

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

- i. To immediately call off the pre-contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other BIDDER(s) would continue.
- ii. If BIDDER commits violation of Integrity Pact Policy during bidding process, he shall be liable to compensate HITES by way of liquidated damages amounting to a sum equivalent to 5% to the value of the offer or the amount equivalent to Earnest Money Deposit/Bid Security, whichever is higher.
- iii. In case of violation of the Integrity Pact after award of the contract, HITES will be entitled to terminate the contract. HITES shall also be entitled to recover from the contractor liquidated

damages equivalent to 10% of the contract value or the amount equivalent to security deposit/performance guarantee, whichever is higher.

- iv. To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER.
- v. To recover all sums already paid by HITES, and in case of an Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate of State Bank of India, while in case of a BIDDER from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the BIDDER from HITES in connection with any other contract for any other stores, such outstanding payment could also be utilized to recover the aforesaid amount.
- vi. To encash the advance bank guarantee and performance guarantee /warranty bond, if furnished by the BIDDER, in order to recover the payments already made by HITES, along with interest.
- vii. To cancel all or any other contract with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to HITES resulting from such cancellation/recession and HITES shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.
- viii. To debar the BIDDER from participating in future bidding processes of HITES for a minimum period of five (5) years, which may be further extended at the discretion of HITES or until Independent External Monitors is satisfied that the Bidder (s) will not commit any future violation.
- ix. To recover all sums paid in violation of this Pact by BIDDER(s) to any middleman or agent or broker with a view to securing the contract.
- x. In cases where irrevocable Letters of credit have been received in respect of any contract signed by HITES with the BIDDER, the same shall not be opened.
- xi. Forfeiture of performance guarantee in case of a decision by HITES to forfeit the same without assigning any reason for imposing sanction for violation of the pact.

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

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

**Clause.6. Fall Clause**

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

**Clause .7. Independent External Monitor(s)**

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

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

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

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

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

- 7.2 The responsibility of the IEM(s) shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.
- 7.3 The IEM(s) shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently.
- 7.4 Both the parties accept that the IEM(s) have the right to access all the documents relating to the project/ procurement, including minutes of meetings.
- 7.5 As soon as the IEM(s) notices, or has reason to believe, a violation of this pact, he will so inform the CEO/CMD.
- 7.6 The BIDDER(S) accepts that the IEM(s) have the right to access without restriction to all project documentation of HITES including that provided by the BIDDER. The BIDDER will also grant the IEM(s), upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to subcontractors engaged by the BIDDER. The IEM(s) shall be under contractual obligation to treat the information and documents of the BIDDER/ Subcontractor(s) with confidentiality.
- 7.7 HITES will provide to the IEM(s) sufficient information about all meetings among the parties related to the Project provided such meeting could have an impact on the contractual relation between the parties. The parties will offer to the IEM(s) option to participate in such meetings.
- 7.8 The IEM(s) will submit a written report to the CEO/CMD of HITES within 3 to 5 weeks from the date of reference or intimation to him by HITES/BIDDER.

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

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

**Clause.9. Facilitation of Investigation**

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

**Clause.10. Law and Place of Jurisdiction**

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

**Clause.11. Other legal Actions**

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

**Clause.12. Validity and Duration of the Agreement**

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

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

**Clause. 13. Other provisions**

- 13.1 Changes and supplements as well as termination notices need to be made in writing. Both the Parties declare that no side agreements have been made to this Integrity Pact.
- 13.1 If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- 13.1 Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions

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

**HLL Infra Tech Services Ltd.**

**Bidder**

\_\_\_\_\_

\_\_\_\_\_

Witness

Witness

1.....

1.....

2.....

2.....

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

**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 respect of
- (d) Any other reasons which can be indicated.

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-terminate the subject Rate Contract after ..... (allow 15 days from the date of issue of the letter). The Rate Contract may be treated as cancelled/withdrawn after..... (date given for the withdrawal of the R/C). Any order placed by the Direct Demanding Officers after the expiry of the notice period shall not be executed by you.

Your faithfully

For and on behalf of the Purchaser



**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 terms of Clause--- of GCC, I/We hereby revoke the Rate Contract which will take effect 15 days from 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 stating that:-

“In view of your letter dated .....the Rate Contract is hereby treated as short-closed/withdrawn with effect from .....

All orders placed prior to this cancellation are, however, to be executed at the earliest.

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 28<sup>th</sup> 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.

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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 than 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

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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
- shall oversee the implementation of this order and issues arising therefrom, and make recommendations to Nodal Ministries and procuring entities.
  - shall annually assess and periodically monitor compliance with this Order
  - shall identify Nodal Ministries and the allocation of items among them for issue of notifications on minimum local content
  - may require furnishing of details or returns regarding compliance with this Order and related matters
  - 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
  - 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
  - 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 1<sup>st</sup> 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

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

Dated 18<sup>th</sup> 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:

- Original*
- 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**.

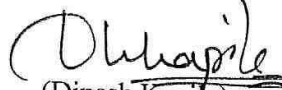
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- 3) **Requirement of Purchase Preference:** Purchase preference shall be given to local suppliers by all procuring entities as per provisions laid down in para 3 of PPO, 2017. Further, as per provisions of Para 3(a) of the PPO 2017 i.e. in procurement of goods where sufficient local capacity and local competition exists and estimated value of procurement is Rs 50 Lakhs or less, a list of goods will be issued by this Department in due course. Till the time such a list is issued, provisions of para 3(b) or para 3(c) of PPO, 2017, as applicable, shall apply for all procurements without regard to value of procurement.
- 4) **Verification of Local Content:**
- a) The local supplier at the time of tender, bidding or solicitation shall be required to furnish self-certification of local content in the format as contained in **Enclosure-II**.
  - 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) In each tender, procuring entity shall clearly mention the details of its competent authority which is empowered to look into procurement related complaints and the fees for such complaints, relating to implementation of PPO, 2017.
  - d) In case a complaint is received by the procuring entity against the claim of a bidder regarding domestic value addition in medical device, the procuring entity shall have full rights to inspect and examine all the related documents and take a decision. In case any clarification is needed, matter may be referred to DoP to the Grievance Redressal Committee consisting of the following:
    1. Chairman - Joint Secretary (Medical Device) in DoP
    2. Member - Director / Deputy Secretary (Medical Devices) in DoP
    3. Member - Representative (not below the rank of Deputy Secretary) from M/o Health & Family Welfare / CDSO
  - e) Any complaint referred to the procuring entity shall be submitted along with all necessary documentation in support of the complaint regarding domestic value addition claimed in medical device and shall be disposed of within 4 weeks of the reference by the procuring entity.
  - f) In case, the complaint is referred to DoP by a bidder or procuring entity, the grievance redressal committee shall dispose of the complaint within 4 weeks of its reference and receipt of all documents from the bidder after taking in consideration, the view of the procuring entity. The bidder shall be required to furnish the necessary documentation in support of the local content claimed in medical devices to the grievance redressal committee under DoP within 2 weeks of the reference of the matter. If no information is furnished by the bidder, the grievance redressal committee may take further necessary action, in consultation with procuring entity to establish the bonafides of the claim.
  - g) In case of reference of any complaint by the concerned bidder, there would be a fee of Rs. 2 Lakh or 1% of the value of the medical devices being procured (subject to a maximum of Rs. 5 Lakh), whichever is higher, to be paid by way of a Demand Draft to be deposited with the procuring entity, along with the

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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  
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Enclosure-I**Calculation of Local Content**

| Name of manufacturer                          | Calculation by Manufacturer<br>(Cost per unit of product) |                 |  |
|---|---|-----------------|--|
|   | Cost Component<br>Cost<br>(Domestic Component)<br>a       | Total Cost<br>b | Percentage of Local Content<br>$c=(a/b)*100$ |
| I. ....                                       |   |                 |  |
| II. ....                                      |   |                 |  |
| III. Total Cost<br>(Excluding tax and duties) |   |                 |  |

Note:

I. **Cost (Domestic Component):** Cost of domestic component may be calculated based on one of the followings depending on data available. Each of these calculations should provide consistent result.

a. Sum of the costs of all inputs which go into the product (including duties and taxes levied on procurement of inputs except those for which credit/ set-off can be taken) and which have not been imported directly or through a domestic trader or an intermediary.

b. Ex-Factory Price of product minus profit after tax minus sum of imported Bill of Material used (directly or indirectly) as inputs in producing the product (including duties and taxes levied on procurement of inputs except those for which credit/ set-off can be taken) minus warranty costs.

c. Market price minus post-production freight, insurance and other handling costs minus profit after tax minus warranty costs minus sum of Imported Bill of Material used as inputs in producing the product (including duties and taxes levied on procurement of inputs except those for which credit / set-off can be taken) minus sales and marketing expenses.

II. **Total Cost:** Total cost may be calculated based on one of the following depending on data available. Each of these calculations should provide consistent result.

a. Sum of the costs of all inputs which go into the product (including duties and taxes levied on procurement of inputs except those for which credit / set-off can be taken).

b. Ex-Factory Price of product minus profit after tax, minus warranty costs.

c. Market price minus post-production freight, insurance and other handling costs minus profit after tax, minus warranty costs minus sales and marketing expenses.

**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 1.8.2018.

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)