GLOBAL e-TENDER ENQUIRY DOCUMENT

FOR PURCHASE OF MEDICAL EQUIPMENT (RADIOLOGY) FOR INSTITUTIONS GETTING UPGRADED UNDER PMSSY PHASE IV FOR

GOVERNMENT. OF INDIA
MINISTRY OF HEALTH & FAMILY WELFARE

HITES/PCD/PMSSY-IV/07/RAD/19-20 dated 16-12-2019

Through



HLL INFRA TECH SERVICES LIMITED

(Subsidiary of HLL Lifecare Ltd., a Govt. of India Enterprise)
B-14 A, Sector-62, Noida-201 307

Phone:- 0120 - 4071500; Fax:- 0120 - 4071513 Email:- pcd@hllhites.com; URL:- www.hllhites.com

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SECTION I NOTICE INVITING TENDERS (NIT)

Pradhan Mantri Swasthya Suraksha Yojna (PMSSY) – Phase IV

Tender Enquiry Document No: HITES/PCD/PMSSY-IV/07/RAD/19-20 dated 16-12-2019

Procurement & Consultancy Services Division of **HLL INFRA TECH SERVICES LIMITED** (a fully owned subsidiary of HLL Lifecare Limited, a Govt. of India Enterprise) for and on behalf of Ministry of Health and Family Welfare, Government of India invites e-tenders in two bid system (technical and price bid) from the reputed, eligible & qualified firms/ manufacturers for purchase/supply of following goods as per Consignee List in Section XIX.

SI. No.	Tender ID	Short Description of goods	QTY (Nos.)	Bid Security (EMD) (₹)	Tender Processing Fee incl. GST (₹)
1	2019_HLL_38075_ 1	1000 mA Digital X-RAY System with Digital Flat Panel Detector	6	24,00,000	8,850
2	2019_HLL_38075 _2	DRF - Digital Flat Panel Fluoroscopy cum Radiography System	8	41,60,000	8,850
3	2019_HLL_38075 _3	800mA Digital X-Ray unit with Single Detector	4	9,60,000	3,540
4	2019_HLL_38075 _4	Computed Radiography Unit	5	3,00,000	3,540
5	2019_HLL_38075 _5	Computed Radiography Unit Single Loader	3	72,000	1,180
6	2019_HLL_38075 _6	Colour Doppler - 2D	10	5,00,000	3,540
7	2019_HLL_38075 _7	Colour Doppler System - 4D	10	8,40,000	3,540
8	2019_HLL_38075 _8	Portable - Colour Doppler	20	8,00,000	3,540
9	2019_HLL_38075 _9	Mobile X-ray Machine	24	1,92,000	2,360
10	2019_HLL_38075 _10	300 mA HF X-Ray Machine	16	2,56,000	3,540
11	2019_HLL_38075 _11	C-arm with image intensifier	20	8,00,000	3,540
12	2019_HLL_38075 _12	C Arm with DSA	9	6,30,000	3,540
13	2019_HLL_38075 _13	Picture Archiving & Communication System (PACS)	2	8,00,000	3,540
 Venue for:- ➤ Pre-bid conference meeting with prospective bidders ➤ Submission of tender processing fee, EMD in physical form ➤ E-Tender Opening-Tech Tender 			Procure	ement & Consu n, B-14 A, Se	-
Last date for submitting pre-bid query				24-12-2019 at 0	5:00 PM
Date & Time of pre-bid meeting			27-12-2019 at 11:00 AM		
Last date and time of online submission of tender 17-01-2020 at 01:00 PM			1:00 PM		

Last date and time of physical submission of EMD, Tender processing Fee, any other document specified in the Bidding Document	18-01-2020 at 02:00 PM
Date of tender opening	18-01-2020 at 02:30 PM
	Ph: 0120-4071500/520
Contact Details	Email: <u>pcd@hllhites.com</u> (Commercial) <u>bmenoida@hllhites.com</u> (Technical)

- 2. EMD is kept same for all the sites as it will be the prerogative of the purchaser to allocate site to the responsive bidders on the basis of best benefit to the exchequer/ least cost method mechanism (explained in Section IX –Qualification Criteria). Bidders are requested to submit EMD as per their eligibility, however, uniform price need to be quoted on the basis of site wise BOQ as per the list of requirement.
- 3. The EMD as indicated in e-tendering portal is the sum of EMDs for all above schedules. The bidder shall furnish the EMD only for the number of schedules offered by them.
- 4. Bidders should be in possession of valid Digital Signature Certificate (DSC) of class III for online submission of bids. Prior to bidding, DSC need to be registered on the website mentioned above.
- 5. 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 should be entertained after pre-bid meeting.
- 6. 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.

 For trouble shooting, problem in document uploading or any other help for CPPP Portal, go to link below: https://etenders.gov.in/eprocure/app?page=FrontEndContactUs&service=page.
- 7. Interested bidders are advised to download the complete Tender Enquiry document from the websites https://eprocure.gov.in/cppp/, https://hllhites.com/tenders or https://www.lifecarehll.com/tender for complete details.
- 3. Bidders shall ensure that their tender(s), complete in all respects, are submitted online through CPPP website: https://eprocure.gov.in/eprocure/apponly. No DEVIATION is acceptable.
- 8. Bidders are advised to follow the instructions provided in the "Instructions for Online Bid Submission" in Clause 11 of GIT of Tender Enquiry Document.
- 9. The bidders shall submit the required Tender Processing Fee (in form of Demand Draft or Banker's Cheque) and EMD (as per GIT clause no. 19.3) in physical form in favour of 'HLL Infra Tech Services Limited' at the scheduled time and venue. Tender processing Fee is required from all the bidders irrespective of their registration with NSIC or any other Govt. organisation.
- 10. Tender Processing Fee and Bid Security (EMD) in original should be deposited within the scheduled date & time in the Tender Box located at: HLL Infra Tech Services Limited, Procurement and Consultancy Services Division, B-14 A, Sector-62, Noida-201307, Uttar Pradesh. Submission beyond stipulated date & time would result in REJECTION of TENDER
- 11. All prospective bidders (maximum two representative of a firm bearing ID proof issued by their firm) may attend the Pre-bid conference meeting. The venue, date and time indicated above.
- 12. The Bidder shall download the Tender Enquiry Document along with other Formats directly from the websites https://eprocure.gov.in/eprocure/app and shall not tamper/modify it including downloaded Price Bid template in any manner. In case if the same is found to be tempered/modified in any manner, Tender/Bid will be summarily rejected and EMD would be forfeited.
- 13. Prospective bidders are advised to browse the above websites regularly before submission of their bids as any further amendments will be published in these websites only.

Chief Executive Officer
HLL Infra Tech Services Limited

^{**}Tender processing Fee is inclusive of GST (Our GSTIN: 09AADCH4882R1ZP)

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A. PREAMBLE

1. Definitions and Abbreviations

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

1.2 Definitions:

- (i) "Purchaser" means the organization purchasing goods and services as incorporated in the Tender Enquiry document.
- (ii) "e-Tender" means Bids / Quotation / Tender received from a Firm / Tenderer / Bidder online.
- (iii) "Tenderer" means Bidder/the Individual or Firm submitting Bids/ Quotation/ e-Tenders.
- (iv) **"Supplier"** means the individual or the firm supplying the goods and services as incorporated in the contract.
- (v) **"Goods"** means the articles, material, commodities, livestock, furniture, fixtures, raw material, spares, instruments, machinery, equipment, medical equipment, industrial plant etc. which the supplier is required to supply to the purchaser under the contract.
- (vi) "Services" means services allied and incidental to the supply of goods, such as transportation, installation, commissioning, provision of technical assistance, training, after sales service, maintenance service and other such obligations of the supplier covered under the contract.
- (vii) "Earnest Money Deposit (EMD)" means Bid Security/ monetary or financial guarantee to be furnished by a Bidder along with its tender.
- (viii) "Contract" means the written agreement entered into between the purchaser and/or consignee and the supplier, together with all the documents mentioned therein and including all attachments, annexure etc. therein.
- (ix) "Performance Security" means monetary or financial guarantee to be furnished by the successful Bidder for due performance of the contract placed on it. Performance Security is also known as Security Deposit.
- (x) "Consignee" means the Hospital/Institute/Medical College/ person to whom the goods are required to be delivered as specified in the Contract. If the goods are required to be delivered to a person as an interim consignee for the purpose of despatch to another person as provided in the Contract then that "another" person is the consignee, also known as ultimate consignee.
- (xi) "**Specification**" means the document/standard that prescribes the requirement with which goods or service has to conform.
- (xii) "Inspection" means activities such as measuring, examining, testing, gauging one or more characteristics of the product or service and comparing the same with the specified requirement to determine conformity.
- (xiii) "Day" means calendar day.
- (xiv) "Local supplier" means a supplier or service provider whose product or service offered for procurement meets the minimum local content as prescribed under this Order or by the competent Ministries/ Departments in pursuance of this order.
- (xv) "Local content" means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value in percent.
- (xvi) "Margin of purchase preference" means the maximum extent to which the price quoted by a local supplier may be above the L1 for the purpose of purchase preference.

1.3 Abbreviations:

- (i) "TE Document" means Tender Enquiry Document
- (ii) "NIT" means Notice Inviting Tenders.
- (iii) "GIT" means General Instructions to Tenderers
- (iv) "SIT" means Special Instructions to Tenderers
- (v) "GCC" means General Conditions of Contract
- (vi) "SCC" means Special Conditions of Contract
- (vii) "DGS&D" means Directorate General of Supplies and Disposals
- (viii) "NSIC" means National Small Industries Corporation
- (ix) "PSU" means Public Sector Undertaking
- (x) "CPSU" means Central Public Sector Undertaking
- (xi) "LSI" means Large Scale Industry
- (xii) "SSI" means Small Scale Industry
- (xiii) "LC" means Letter of Credit
- (xiv) "DP" means Delivery Period
- (xv) "BG" means Bank Guarantee
- (xvi) "CD" means Custom Duty
- (xvii) "RR" means Railway Receipt
- (xviii) "BL" means Bill of Lading
- (xix) "FOB" means Free on Board
- (xx) "FCA" means Free Carrier
- (xxi) "FOR" means Free On Rail
- (xxii) "CIF" means Cost, Insurance and Freight
- (xxiii) "CIP (Destinations)" means Carriage and Insurance Paid up to named port of destination. Additionally the Insurance (local transportation and storage) would be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery.
- (xxiv) "DDP" means Delivery Duty Paid named place of destination (consignee site)
- (xxv) "INCOTERMS" means International Commercial Terms as on the date of Tender Opening
- (xxvi) "MOH&FW" means Ministry of Health & Family Welfare, Government of India
- (xxvii) "Dte. GHS" means Directorate General and Health Services, MOH&FW.
- (xxviii) "CMC" means Comprehensive maintenance Contract (labour, spare and preventive maintenance)
- (xxix) "RT" means Re-Tender.
- (xxx) "GST" means Goods and Services Tax
- (xxxi) GMSD means Government Medical Store Depot

2. Introduction

- 2.1 The Purchaser has issued these TE documents for purchase of goods and related services as mentioned in Section VI "List of Requirements", which also indicates, *interalia*, the required delivery schedule, terms and place of delivery.
- 2.2 This section (Section II "General Instruction Tenderers") provides the relevant information as well as instructions to assist the prospective tenderers in preparation and submission of tenders. It also includes the mode and procedure to be adopted by the purchaser for receipt and opening as well as scrutiny and evaluation of tenders and subsequent placement of contract.
- 2.3 The tenderers shall also read the Special Instructions to Tenderers (SIT) related to this purchase, as contained in Section III of these documents and follow the same accordingly. Whenever there is a conflict between the GIT and the SIT, the provisions contained in the SIT shall prevail over those in the GIT.
- 2.4 Before formulating the tender and submitting the same to the purchaser, the tenderer should read and examine all the terms, conditions, instructions, checklist etc. contained in the TE documents. Failure to provide and/or comply with the required information, instructions etc. incorporated in these TE documents may result in rejection of its tender.

3. Availability of Funds

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

4. Language of Tender

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

5. Eligible Tenderers

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

6. Eligible Goods and Services

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

7. Tendering Expense

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

B. TENDER ENQUIRY DOCUMENTS

8. Content of Tender Enquiry Documents

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

Section II — General Instructions to Tenderers (GIT)
Section III — Special Instructions to Tenderers (SIT)
Section IV — General Conditions of Contract (GCC)
Section V — Special Conditions of Contract (SCC)

Section VI – List of Requirements
Section VII – Technical Specifications

Section VIII — Quality Control Requirements

Section IX — Qualification Criteria

Section X - Tender Form
Section XI - Price Schedules
Section XII - Questionnaire

Section XIII – Bank Guarantee Form for EMD

Section XIV – Manufacturer's Authorisation Form

Section XV — Bank Guarantee Form for Performance Security/CMC Security

Section XVI — Contract Forms A & B

Section XVII — Proforma of Consignee Receipt Certificate

Section XVIII — Proforma of Final Acceptance Certificate by the consignee

Section XIX — Consignee List

Appendix A — DIPP - Public Procurement (Preference to Make in India), Order 2017

Appendix B — Integrity pact

8.2 The relevant details of the required goods and services, the terms, conditions and procedure for tendering, tender evaluation, placement of contract, the applicable contract terms and, also, the standard formats to be used for this purpose are incorporated in the above-mentioned documents. The interested tenderers are expected to examine all such details etc to proceed further.

9. Amendments to TE documents

- 9.1 At any time prior to the deadline for submission of tenders, the purchaser may, for any reason deemed fit by it, modify the TE documents by issuing suitable amendment(s) to it.
- 9.2 Such an amendment will be notified only in the website(s) http://www.lifecarehll.com/tender or www.eprocure.gov.in/cppp. All prospective Tenderer are hereby instructed to visit the website regularly, so that additional documents if any required or any modifications in the tender documents can be done prior to the last date of submission of the Tenders.
- 9.3 In order to provide reasonable time to the prospective tenderers to take necessary action in preparing their tenders as per the amendment, the purchaser may, at its discretion extend the deadline for the submission of tenders and other allied time frames, which are linked with that deadline.

10. Clarification of TE documents

10.1 A tenderer requiring any clarification or elucidation on any issue of the TE documents may take up the same with the purchaser in writing in their letter head duly signed and scanned through email to pcd@hllhites.com and bmenoida@hllhites.com. The purchaser will respond to such request provided the same is received by the purchaser two day prior to the pre-bid meeting. Any queries/representations received later shall not be taken into cognizance.

C. PREPARATION OF e-TENDERS

11. Documents comprising the e-Tender

- 11.1 The tender(s) shall only be submitted online as mentioned below:
 - (i) Technical Bid (Consisting of Techno-Commercial bids in excel format provided with the tender enquiry along with the supporting documents i.e. scanned copies of Tender Processing Fee, EMD, Eligibility Criteria & Technical Specifications viz. Product Specification Sheets/Brochures, OEM Certificate, etc.) has to be submitted. Bidders have to ensure that the documents uploaded in pdf format are legible.
 - (ii) Price Bid has to be submitted as per BOQ format filled up with all the details including Make, Model etc. of the goods offered.

Note:

- (i) The Tender Processing Fee and EMD have 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 *CPPP Portal* for uploading the Techno-Commercial Bid.

A) Details of Technical Tender (Un priced Tender)

Bidders shall furnish the following information along with technical tender (in pdf format except point i):

- i) Techno-Commercial Bid in excel format provided with the tender enquiry
- ii) Earnest money furnished in accordance with GIT clause 19.1 alternatively, documentary evidence as per GIT clause 19.2 for claiming exemption from payment of earnest money.
- 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 Authorisation Form.
- 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 / a Declaration in case the firm is being a proprietary one/ Documents confirming to Partnership in the country of origin as the case may be.
- xi) Self-Attested copies of GST registration certificate and PAN Card.
- xii) Non conviction /no pending conviction certification issued by Notary on judicial stamp paper for preceding three years.
- xiii) Self-Attested copies of quality certificates i.e. US FDA /CE/ BIS Certificate issued by competent authority, if applicable.

- xiv) Documentary evidence stating the status of bidder.
- xv) List of procurement agencies of repute to which the tendered product have been supplied during last 12 months.
- xvi) Self-attested copies of annual report, audited balance sheet and profit & loss account for preceding three years from the date of tender opening.
- xvii) Notarized affidavit that tenderer does not have any relation with the person authorized to evaluate technically or involve in finalizing the tender or will decide the use of tendered items.
- xviii) A self-declaration on Rs. 10/-non-judicial Stamp Paper that the rates quoted in the tender are the lowest and not quoted less than this to any Government Institution (State/Central/ other Institute in India).
- xix) Copies of original product catalogues/ data sheet must be enclosed of all quoted items.
- xx) A tenderer quoting imported goods located within India shall produce documentary evidence of the goods having been imported and already located within India (i.e. Bills of Entry for the quoted items and a self-declaration confirming that the quoted items were imported for the purpose of storage in bidder warehouse and for further sale), along with their techno-commercial bid.
- xxi) The Integrity pact (At Appendix-B) shall be a part and parcel of this document and has to be signed by bidder(s) at the pre-tendering stage itself, as a pre-bid obligation and should be submitted along with the Techno-Commercial Bids. All bidders are bound to comply with the integrity pact clauses. Bids submitted without signing the integrity pact will be ab initio rejected without assigning any reason
- xxii) The bidder/Manufacturer should submit details of registered office/ registered service centre along with the contact details across India in the following regions i.e. East, West, North & South.

B) Price Tender:

Price Schedule(s) as per BOQ format filled up with all the details including Make, Model etc. of the goods offered to be uploaded.

Price bid format is provided under Section XI along with this Tender Enquiry Document. Bidders are advised to download this Price Bid as it is and quote their offer/rates in the permitted column and upload the same in the commercial bid. **Bidder shall not tamper/modify downloaded price bid template in any manner**. In case if the same is found to be tempered/modified in any manner, tender shall be liable to be rejected.

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 CPPP Portal 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 fulfil 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/electronically shall be ignored.

12. Tender Currencies

- 12.1 The tenderer supplying indigenous goods or already imported goods shall quote only in Indian Rupees.
- 12.2 For imported goods if supplied directly from abroad, prices shall be quoted in any freely convertible currency say US Dollar, Euro, GBP or Yen. As regards price(s) for allied services, if any required with the goods, the same shall be quoted in Indian Rupees only if such services are to be performed /undertaken in India. Commission for Indian Agent, if any and if payable shall be indicated in the space provided for in the price schedule and will be payable in Indian Rupees only.
- 12.3 Tenders, where prices are quoted in any other currency may not be accepted and are liable to be ignored.
- 12.4 A tenderer quoting imported goods located within India shall produce documentary evidence of the goods having been imported and already located within India (i.e. Bills of Entry for the quoted items and a self-declaration confirming that the quoted items were imported for the purpose of storage in bidder warehouse and for further sale), along with their techno-commercial bid

13. Tender Prices

- 13.1 The Tenderer shall indicate on the Price Schedule provided under Section XI all the specified components of prices shown therein including the unit prices and total tender prices of the goods and services it proposes to supply against the requirement. All the columns shown in the price schedule should be filled up as required.
- 13.2 If there is more than one schedule in the List of Requirements, the tenderer has the option to submit its quotation for any one or more schedules. However, while quoting for a schedule, the tenderer shall quote for the complete requirement of goods and services as specified in that particular schedule.
- 13.3 The quoted prices for goods offered from within India and that for goods offered from abroad are to be indicated separately in the applicable Price Schedules attached under Section XI.
- 13.4 While filling up the columns of the Price Schedule, the following aspects should be noted for compliance:
- 13.4.1 For domestic goods or goods of foreign origin located within India, the prices in the corresponding price schedule shall be entered separately in the following manner:
 - a) The price of the goods, quoted ex-factory/ ex-showroom/ ex-warehouse/ off-the-shelf, as applicable, including all taxes and duties like, Custom Duty and/or GST already paid or payable on the components and raw material used in the manufacture or assembly of the goods quoted exfactory etc. or on the previously imported goods of foreign origin quoted ex-showroom etc;
 - b) Any taxes and duties including Custom duty and/or GST, which will be payable on the goods in India if the contract is awarded;
 - c) Charges towards Packing & Forwarding, Inland Transportation, Insurance (local transportation and storage), Loading & Unloading etc. would be borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery, Loading/Unloading and other local costs incidental to delivery of the goods to their final destination as specified in the List of Requirements and Price Schedule;
 - d) The price of Incidental Services, as mentioned in List of Requirements and Price Schedule;
 - e) The prices of Site Modification Work (if any), as mentioned in List of Requirements, Technical Specification and Price Schedule.
 - f) The price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.
- 13.4.2 For goods offered from abroad, the prices in the corresponding price schedule shall be entered separately in the following manner:
 - a) The price of goods quoted FOB/FCA port of shipment, as indicated in the List of Requirements and Price Schedule;
 - b) Price of goods quoted CIP (name port of destination) in India as indicated in the List of Requirements, Price Schedule and Consignee List

- c) The charges for Insurance (local transportation and storage), custom clearance, forwarding and handling would be extended and borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery. Loading/Unloading and other local costs incidental to delivery of the goods to their final destination as specified in the List of Requirements and Price Schedule;
- d) The charges for Incidental Services, as in the List of Requirements and Price Schedule;
- e) The prices of Site Modification Work (if any), as mentioned in List of Requirements, Technical Specification and Price Schedule; and
- f) The price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.
- 13.5 Additional information and instruction on Duties and Taxes:
- 13.5.1 If the Tenderer desires to ask for GST or any other taxes to be paid extra, the same must be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
- 13.5.2 Local Duties & Taxes, if any applicable:

Normally, goods to be supplied to government departments against government contracts are exempted from levy of town duty, Octroi duty, terminal tax and other levies of local bodies. However, on some occasions, the local bodies (like town body, municipal body etc.) as per their regulations allow such exemptions only on production of certificate to this effect from the concerned government department. Keeping this in view, the supplier shall ensure that the stores to be supplied by the supplier against the contract placed by the purchaser are exempted from levy of any such duty or tax and, wherever necessary, obtain the exemption certificate from the purchaser. The purchaser should issue the certificate to the supplier within 21 days from the date of receipt of request from the supplier.

However, if a local body still insists upon payment of such local duties and taxes, the same should be paid by the supplier to the local body to avoid delay in supplies and possible demurrage charges and obtain a receipt for the same. The supplier should forward the receipt obtained for such payment to the purchaser to enable the purchaser reimburse the supplier and take other necessary action in the matter.

13.5.3 Customs Duty:

The Purchaser will pay/reimburse the Customs duty wherever applicable upon submission of documentary evidence.

13.5.4 Goods and Services Tax (GST):

- a. If a tenderer asks for Goods and Services Tax to be paid extra, the rate and nature of Goods and Services Tax applicable should be shown separately. The Goods and Services Tax will be paid as per the rate at which it is liable to be assessed or has actually been assessed provided the transaction is legally liable to Goods and Services Tax and is payable as per the terms of the contract. If any refund of Tax is received at a later date, the Supplier must return the amount forth-with to the purchaser.
- b. In case within the delivery period stipulated in the contract, there is an increase in the statutory taxes like GST, Custom Duty, or fresh imposition of taxes which may be levied in respect of the goods and services specified in the contract, reimbursement of these statutory variation shall be allowed to the extent of actual quantum of taxes paid by the supplier. This benefit, however, cannot be availed by the supplier in case the period of delivery is extended due to unexcused delay by the supplier.
- c. But nevertheless, the Purchaser/Consignee shall be entitled to the benefit of any decrease in price on account of reduction in or remission of customs duty and/or GST or any other duty or tax or levy or on account of any other grounds. In case of downward revision in taxes/duties, the actual quantum of reduction of excise duty must be reimbursed to the purchaser by the supplier. All such adjustments shall include all reliefs, exemptions, rebates, concession etc. if any obtained by the supplier.
- 13.6 For transportation of imported goods offered from abroad, relevant instructions as incorporated under GCC Clause 10 shall be followed.

- 13.7 For insurance of goods to be supplied, relevant instructions as provided under GCC Clause 11 shall be followed.
- 13.8 Unless otherwise specifically indicated in this TE document, the terms FCA, FOB, FAS, CIF, CIP, DDP etc. for imported goods offered from abroad, shall be governed by the rules & regulations prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, Paris
- 13.9 The need for indication of all such price components by the tenderers, as required in this clause (viz., GIT clause 13) is for the purpose of comparison of the tenders by the purchaser and will no way restrict the purchaser's right to award the contract on the selected tenderer on any of the terms offered.

14. Indian Agent

- 14.1 If a foreign tenderer has engaged an agent in India in connection with its tender, the foreign tenderer, in addition to indicating Indian agent's commission, if any, in a manner described under GIT sub clause 12.2 above, shall also furnish the following information:
 - a) As per the Compulsory Enlistment Scheme of the Department of Expenditure, Ministry of Finance, it is compulsory for Indian agents, who desire to quote directly on behalf of their foreign principals, to get themselves enlisted with the Central Purchase Organization (e.g. DGS&D).
 - b) The complete name and address of the Indian Agent and its permanent income tax account number as allotted by the Indian Income Tax authority.
 - c) The details of the services to be rendered by the agent for the subject requirement.
 - d) Details of Service outlets in India, nearest to the consignee(s), to render services during Warranty and CMC period.
 - e) A copy of agreement between the Agent & their principal detailing the terms & conditions as well as services and after sales services as above to be rendered by the agent and the precise relationship between them and their mutual interest in the business as laid out in section VII (Technical specifications).
 - f) Principal's/Manufacturer's original Proforma Invoice with the price bid

15. Firm Price

Unless otherwise specified in the SIT, prices quoted by the tenderer shall remain firm and fixed during the currency of the contract and not subject to variation on any account. Bidders are requested to quote BOQ wise unit price (uniform unit prices must be quoted for same BOQ items across India) and total price. If a firm quotes NIL Charges/ consideration, the bid shall be treated as unresponsive and will not be considered.

16. Alternative Tenders

- 16.1 Alternative Tenders are not permitted.
- 16.2 However the Tenderers can quote alternate models meeting the tender specifications of same manufacturer with single EMD.
- 16.3 If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product. In a tender, either the Indian Agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender.

17. Documents Establishing Tenderer's Eligibility and Qualifications

- 17.1 Pursuant to GIT clause 11, the tenderer shall furnish, as part of its tender, relevant details and documents establishing its eligibility to quote and its qualifications to perform the contract if its tender is accepted.
- 17.2 The documentary evidence needed to establish the tenderer's qualifications shall fulfil the following requirements:

- a) In case the tenderer offers to supply goods, which are manufactured by some other firm, the tenderer has been duly authorised by the goods manufacturer to quote for and supply the goods to the purchaser. The tenderer shall submit the manufacturer's authorization letter to this effect as per the standard form provided under Section XIV in this document.
- b) The tenderer has the required financial, technical and production capability necessary to perform the contract and, further, it meets the qualification criteria incorporated in the Section IX in these documents.
- c) in case the tenderer is not doing business in India, it is duly represented by an agent stationed in India fully equipped and able to carry out the required contractual functions and duties of the supplier including after sale service, maintenance & repair etc. of the goods in question, stocking of spare parts and fast moving components and other obligations, if any, specified in the conditions of contract and/or technical specifications.

18. Documents establishing good's Conformity to TE document.

- 18.1 The tenderer shall provide in its tender the required as well as the relevant documents like technical data, literature, drawings etc. to establish that the goods and services offered in the tender fully conform to the goods and services specified by the purchaser in the TE documents. For this purpose the tenderer shall also provide a clause-by-clause commentary on the technical specifications and other technical details incorporated by the purchaser in the TE documents to establish technical responsiveness of the goods and services offered in its tender.
- 18.2 In case there is any variation and/or deviation between the goods & services prescribed by the purchaser and that offered by the tenderer, the tenderer shall list out the same in a chart form without ambiguity and provide the same along with its tender.
- 18.3 If a tenderer furnishes wrong and/or misguiding data, statement(s) etc. about technical acceptability of the goods and services offered by it, its tender will be liable to be ignored and rejected in addition to other remedies available to the purchaser in this regard.

19. Earnest Money Deposit (EMD)

- 19.1 Pursuant to GIT clauses 8.1 and 11.1 A (i) the tenderer shall furnish along with its tender, earnest money for amount as shown in the List of Requirements. The earnest money is required to protect the purchaser against the risk of the tenderer's unwarranted conduct as amplified under sub-clause 19.7 below.
- 19.2 The tenderers who are currently registered and, also, will continue to remain registered during the tender validity period as Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) or with National Small Industries Corporation, New Delhi shall be eligible for exemption from EMD. In case the tenderer falls in this category, it should furnish copy of its valid registration details (with MSME or NSIC, as the case may be).
 - a. The MSE's Bidder to note and ensure that nature of services and goods/items manufactured mentioned in MSE's certificate matches with the nature of the services and goods /items to be supplied as per Tender.
 - b. Traders/resellers/distributors/authorized agents will not be considered for availing benefits under PP Policy 2012 for MSEs as per MSE guidelines issued by MoMSME
- 19.3 The earnest money shall be denominated in Indian Rupees or equivalent currencies as per GIT clause 12.2. The earnest money shall be furnished in one of the following forms:
 - i) Account Payee Demand Draft
 - ii) Fixed Deposit Receipt
 - iii) Banker's cheque and
 - iv) Bank Guarantee

- 19.4 The demand draft or banker's cheque or Fixed Deposit Receipt shall be drawn on any scheduled commercial bank in India or country of the tenderer, in favour of the "HLL Infra Tech Services Limited" payable at New Delhi. In case of bank guarantee, the same is to be provided from any scheduled commercial bank in India or country of the tenderer as per the format specified under Section XIII in these documents.
- 19.5 The earnest money shall be valid for a period of forty-five (45) days beyond the validity period of the tender. <u>As validity period of Tender as per Clause 20 of GIT is 180 days, the EMD shall be valid for 225 days from Techno Commercial Tender opening date.</u>
- 19.6 Unsuccessful tenderers' earnest money will be returned to them without any interest, after expiry of the tender validity period, but not later than thirty days after conclusion of the resultant contract. Successful tenderer's earnest money will be returned without any interest, after receipt of performance security from that tenderer.
- 19.7 Earnest Money is required to protect the purchaser against the risk of the Tenderer's conduct, which would warrant the forfeiture of the EMD. Earnest money of a tenderer will be forfeited, if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender or if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged without prejudice to other rights of the purchaser. The successful tenderer's earnest money will be forfeited without prejudice to other rights of Purchaser if it fails to furnish the required performance security within the specified period.
- 19.8 In the case of Bank Guarantee furnished from banks outside India (i.e. foreign Banks), it should be authenticated and countersigned by any nationalised bank in India by way of back-to-back counter guarantee and the same should be submitted along with the bid.
- 19.9 HITES Bank details for necessary issuance of 'Structured Financial Messaging System (SFMS)' in case the Bid Security (i.e. EMD) is submitted in the form of Bank Guarantee:

Name of the Beneficiary: HLL INFRA TECH SERVICES LTD.

Bank Details: HDFC BANK LTD, NOIDA, UTTAR PRADESH

IFSC Code: HDFC0000088

20. Tender Validity

- 20.1 If not mentioned otherwise in the SIT, the tenders shall remain valid for acceptance for a period of 180 days (One hundred and Eighty days) after the date of tender opening prescribed in the TE document. Any tender valid for a shorter period shall be treated as unresponsive and rejected.
- 20.2 In exceptional cases, the tenderers may be requested by the purchaser to extend the validity of their tenders up to a specified period. Such request(s) and responses thereto shall be conveyed by surface mail or by fax/ telex/cable followed by surface mail. The tenderers, who agree to extend the tender validity, are to extend the same without any change or modification of their original tender and they are also to extend the validity period of the EMD accordingly. A tenderer, who may not agree to extend its tender validity after the expiry of the original validity period the EMD furnished by them shall not be forfeited.
- 20.3 In case the day up to which the tenders are to remain valid falls on/ subsequently declared a holiday or closed day for the purchaser, the tender validity shall automatically be extended up to the next working day.

21. Digital Signing of Tender

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

D. SUBMISSION OF TENDERS

22. Submission of e-Tenders

- 22.1 The tender shall be submitted online only.
- (i) Pre-qualification and Technical compliance along with the Techno-Commercial Bid in excel format:
 - a) Scanned copies of tender processing fee and EMD
 - b) Manufacturer's authorization in case bid is submitted by an Indian agent (A declaration must be attached here in case directly quoted by a manufacturer or a document establishing the relation of the Indian office with the manufacturer in case quoted by Indian office of the manufacturer).
 - c) Tender Form as per Section X
 - d) Compliance of all terms and conditions of TED like- warranty, CMC, delivery period, delivery terms, payment terms, Liquidated Damages Clause, Arbitration clause, etc
 - e) Declaration regarding Fall Clause and Deregistration, debarment from any Govt Dept/ Agencies
 - f) Copy of PAN.
 - g) Certificate of Incorporation/ or a Declaration in case the firm is being a proprietary firm.
 - h) Abridged Annual report of last 03 years (Balance sheet and Profit & Loss Account) completed till December 2017, in pdf format.
 - i) Name, address and details of account with respect to bidder and/or beneficiary of L/C.
 - j) Quality Control Requirements as per Section VIII
 - k) Performance statement along with required PO copies and its corresponding end user's satisfactory performance certificate as per section IX.
 - I) Technical Bid along with clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications along with product catalogue and data sheet in the tender enquiry.
 - m) The bidder should submit blank proforma invoice from the foreign manufacturer along with his technical bid, duly mentioning the specifications and code number of the parts quoted.
 - n) The original proforma invoices from the foreign principal will be applicable in case of 100% subsidiary companies incorporated in India also.
 - o) In case the bidder quotes an equipment of a foreign manufacturer and submits the documents as per Clause 22.1 (i) | & m from the subsidiary company of the foreign Original Equipment Manufacturer in India, the bidder must submit the Power of Attorney given to the subsidiary company by the foreign Original Equipment Manufacturer, authorizing it to do business and perform all obligations for and on behalf of the foreign manufacturer company, in India.
 - p) A tenderer quoting imported goods located within India shall produce documentary evidence of the goods having been imported and already located within India (i.e. Bills of Entry for the quoted items and a self-declaration confirming that the quoted items were imported for the purpose of storage in bidder warehouse and for further sale), along with their techno-commercial bid.
 - q) The Integrity pact (At Appendix-B) shall be a part and parcel of this document and has to be signed by bidder(s) at the pre-tendering stage itself, as a pre-bid obligation and should be submitted along with the Techno-Commercial Bids. All bidders are bound to comply with the integrity pact clauses. Bids submitted without signing the integrity pact will be ab initio rejected without assigning any reason.

(ii) PRICE BID (ONLY ONLINE):

- a) The tenderers must ensure that they submit the Price Bid in prescribed format uploaded along with the tender enquiry. It is the responsibility of the bidder to ensure that the contents of the format are not tampered.
- b) The tenderers must ensure that they submit the on-line tenders not later than the closing time and date specified for submission of tenders.

- c) Along with price bid recent purchase order copies for the same model and technical configuration issued by institute of National importance and/or reputed central/state government hospitals should be uploaded in pdf form for reasonability of the offered price.
- d) The bidder should submit the copy of original proforma invoice from the foreign manufacturer along with the price bid.
- e) The supplier shall justify the present quotes based on previous purchase orders for similar project executed either in India or Globally. If they quote any new model or upgraded version of earlier model, they may mention the same in their tender.
- 22.2 The tenderers must ensure that they submit the on-line tenders within the scheduled closing date & time.

 They shall also ensure to submit the original Tender Processing Fee and EMD within its scheduled date & time.

23. Late Tender:

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

24. Alteration and Withdrawal of Tender

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

E. TENDER OPENING

25. Opening of Tenders

- 25.1 The purchaser will open the e-tenders at the specified date and time and at the specified place as indicated in the NIT.
 - In case the specified date of tender opening falls on / is subsequently declared a holiday or closed day for the purchaser, the tenders will be opened at the appointed time and place on the next working day.
- Authorized representatives of the tenderers, who have submitted tenders on time, may attend the tender opening provided they bring with them letters of authority from the corresponding tenderers.
 - The tender opening official(s) will prepare a list of the representatives attending the tender opening. The list will contain the representatives' names & signatures and corresponding tenderers' names and addresses.
- 25.3 This being a Two Tender system, the Techno Commercial Tenders are to be opened in the first instance, at the prescribed time and date as indicated in NIT. These Tenders shall be scrutinized and evaluated by the competent committee/ authority with reference to parameters prescribed in the TE document. During the Techno Commercial Tender opening, the tender opening official(s) will read the salient features of the tenders like brief description of the goods offered, delivery period, Earnest Money Deposit and any other special features of the tenders, as deemed fit by the tender opening official(s). Thereafter, in the second stage, the Price Tenders of only the Techno Commercially acceptable offers (as decided in the first stage) shall be opened for further scrutiny and evaluation on a date notified after the evaluation of the Techno-Commercial tender.

F. SCRUTINY AND EVALUATION OF TENDERS

26. Basic Principle

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

27. Scrutiny of Tenders

- 27.1 The Purchaser will examine the Tenders to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished and, whether the documents uploaded are in legible form.
- 27.2 The Purchaser's determination of a Tender's responsiveness is to be based on the contents of the tender itself without recourse to extrinsic evidence
- 27.3 Deleted
- 27.4 The tenders will be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions etc. as prescribed in the TE document. The tenders, which do not meet the basic requirements, are liable to be treated as non-responsive and will be summarily ignored.
- 27.5 The following are some of the important aspects, for which a tender shall be declared non-responsive during the evaluation and will be ignored;
 - (i) Tender validity is shorter than the required period.
 - (ii) Required EMD (Amount, validity etc.) or its exemption documents have not been provided.
 - (iii) Tenderer has quoted for goods manufactured by other manufacturer(s) without the required Manufacturer's Authorisation Form as per Section XIV.
 - (iv) 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.
 - (v) Poor/ unsatisfactory past performance.
 - (vi) Tenderers who stand deregistered/banned/blacklisted by any Govt. Authorities.
 - (vii) Tenderer is not eligible as per GIT Clauses 5.1 & 17.1.
 - (viii) Tenderer has not quoted for the entire quantity as specified in the List of Requirements/ BOQ for the quoted schedule.
 - (ix) 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 etc.
 - (x) A tenderer quoting imported goods located within India shall produce documentary evidence of the goods having been imported and already located within India (i.e. Bills of Entry for the quoted items and a self-declaration confirming that the quoted items were imported for the purpose of storage in bidder warehouse and for further sale), along with their techno-commercial bid.
 - (xi) The Integrity pact (At Appendix-B) shall be a part and parcel of this document and has to be signed by bidder(s) at the pre-tendering stage itself, as a pre-bid obligation and should be submitted along with the Techno-Commercial Bids. All bidders are bound to comply with the integrity pact clauses. Bids submitted without signing the integrity pact will be ab initio rejected without assigning any reason.

28. Minor Informality/Irregularity/Non-Conformity

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

tenders. Wherever necessary, the purchaser will convey its observation on such 'minor' issues to the tenderer by registered/ speed post etc. asking the tenderer to respond by a specified date. If the tenderer does not reply by the specified date or gives evasive reply without clarifying the point at issue in clear terms, that tender will be liable to be ignored.

29. Discrepancies in Prices

- 29.1 If, in the price structure quoted by a tenderer, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless the purchaser feels that the tenderer has made a mistake in placing the decimal point in the unit price, in which case the total price as quoted shall prevail over the unit price and the unit price corrected accordingly.
- 29.2 If there is an error in a total price, which has been worked out through addition and/or subtraction of subtotals, the subtotals shall prevail and the total corrected; and
- 29.3 If there is a discrepancy between the amount expressed in words and figures, the amount in words shall prevail, subject to sub clause 29.1 and 29.2 above.
- 29.4 If, as per the judgement of the purchaser, there is any such arithmetical discrepancy in a tender, the same will be suitably conveyed to the tenderer by registered / speed post. If the tenderer does not agree to the observation of the purchaser, the tender is liable to be ignored.

30. Discrepancy between original and copies of Tender

30.1 Not applicable being e-Tender.

31. Qualification Criteria

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

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

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

32. Conversion of tender currencies to Indian Rupees

32.1 In case the TE document permits the tenderers to quote their prices in different currencies, all such quoted prices of the responsive tenderers will be converted to a single currency viz., Indian Rupees for the purpose of equitable comparison and evaluation, as per the exchange rates established by the Reserve Bank of India for similar transactions, as on the date of 'Price Tender' opening.

33. Schedule-wise Evaluation

33.1 In case the List of Requirements contains more than one schedule, the responsive tenders will be evaluated and compared separately for each schedule. The tender for a schedule will not be considered if the complete requirements prescribed in that schedule are not included in the tender.

34. Comparison of Tenders

34.1 Unless mentioned otherwise in Section – III – Special Instructions to Tenderers and Section – VI – List of Requirements, the comparison of the responsive tenders shall be carried out on Delivery Duty Paid (DDP) consignee site basis. The quoted Site Modification Work prices and Comprehensive Annual Maintenance charges (CMC) prices will also be added for comparison/ranking purpose for evaluation. "Net Present value (NPV) of the actual CMC price quoted for the required CMC period after the warranty period shall

be considered for bid comparison and the NPV will be calculated after discounting the quoted CMC price by a discounting factor of 10% per annum."

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

- 35.1 Further to GIT Clause 34 above, the purchaser's evaluation of a tender will include and take into account the following:
 - i) In the case of goods manufactured in India or goods of foreign origin already located in India, GST or any other taxes which will be contractually payable (to the tenderer), on the goods if a contract is awarded on the tenderer; and
 - ii) In the case of goods of foreign origin offered from abroad, customs duty and other similar import duties/taxes, which will be contractually payable (to the tenderer) on the goods if the contract is awarded on the tenderer.
- 35.2 The purchaser's evaluation of tender will also take into account the additional factors, if any, incorporated in SIT in the manner and to the extent indicated therein.
- 35.3 The Purchaser reserves the right to give the price preference to small-scale sectors etc. and purchase preference to central public sector undertakings as per the instruction in vogue while evaluating, comparing and ranking the responsive tenders.
 - i. In exercise of powers conferred in Section 11 of the Micro, Small and Medium Enterprises Development (MSMED) Act 2006, the Government has notified a new Public Procurement Policy for Micro & Small Enterprises effective from 1st April 2012. The policy mandates that 20% of procurement of annual requirement of goods and services by all Central Ministries/Public Sector Undertakings will be from the micro and small enterprises. The Government has also earmarked a sub-target of 4% procurement of goods & services from MSEs owned by SC/ST entrepreneurs out of above said 20% quantity.
 - ii. In accordance with the above said notification, the participating Micro and Small Enterprises (MSEs) in a tender, quoting price within the band of L1+15% would also be allowed to supply a portion of the requirement by bringing down their price to the L1 price, in a situation where L1 price is from someone other than 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, 5% quantity is earmarked for procurement from MSEs owned by SC/ST entrepreneurs. However, in the event of failure of such MSEs to participate in the tender process or meet the tender requirements and the L1 price, the 5% 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.
- 35.4 **Preference to Make in India**: As per the order issued by Department of Industrial Policy and Promotion (DIPP) vide No. P-45021/2/2017-PP (BE-II) dated 29.05.2019. 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.

36. Tenderer's capability to perform the contract

- 36.1 The purchaser, through the above process of tender scrutiny and tender evaluation will determine to its satisfaction whether the tenderer, whose tender has been determined as the lowest evaluated responsive tender is eligible, qualified and capable in all respects to perform the contract satisfactorily. If, there is more than one schedule in the List of Requirements, then, such determination will be made separately for each schedule.
- 36.2 The above-mentioned determination will, interalia, take into account the tenderer's financial, technical and production capabilities for satisfying all the requirements of the purchaser as incorporated in the TE document. Such determination will be based upon scrutiny and examination of all relevant data and details submitted by the tenderer in its tender as well as such other allied information as deemed appropriate by the purchaser.

37. Contacting the Purchaser

- 37.1 From the time of submission of tender to the time of awarding the contract, if a tenderer needs to contact the purchaser for any reason relating to this tender enquiry and / or its tender, it should do so only in writing.
- 37.2 In case a tenderer attempts to influence the purchaser in the purchaser's decision on scrutiny, comparison & evaluation of tenders and awarding the contract, the tender of the tenderer shall be liable for rejection in addition to appropriate administrative actions being taken against that tenderer, as deemed fit by the purchaser.

G. AWARD OF CONTRACT

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

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

39. Award Criteria

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

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

- 40.1 At the time of awarding the contract, the purchaser reserves the right to increase or decrease by up to twenty five (25) per cent, the quantity of goods and services mentioned in the schedule(s) in the "List of Requirements" (rounded off to next whole number) without any change in the unit price and other terms & conditions quoted by the tenderer.
- 40.2 If the quantity has not been increased to the maximum of 25% of the tendered quantity at the time of awarding the contract, the purchaser reserves the right to increase the quantity further by up to the balance available twenty five (25) per cent of the tendered quantity of goods and services (rounded off to next whole number) without any change in the unit price and other terms & conditions mentioned in the contract during the currency of the contract.

41. Notification of Award

41.1 Before expiry of the tender validity period, the purchaser will notify the successful tenderer(s) in writing, by registered / speed post or by email (to be confirmed by registered / speed post) that its tender for goods & services, which have been selected by the purchaser, has been accepted, also briefly indicating there in the essential details like description, specification and quantity of the goods & services and corresponding prices accepted. The successful tenderer must furnish to the purchaser the required performance security within thirty days from the date of dispatch of this notification, failing which the

EMD will forfeited and the award will be cancelled. Relevant details about the performance security have been provided under GCC Clause 5 under Section IV.

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

42. Issue of Contract

- 42.1 Promptly after notification of award, the Purchaser/Consignee will mail the contract form (as per Section XVI) duly completed and signed, in duplicate, to the successful tenderer by registered / speed post.
- 42.2 Within twenty one days from the date of the contract, the successful tenderer shall return the original copy of the contract, duly signed and dated, to the Purchaser/Consignee by registered/ speed post. The successful tenderer should also submit Proforma Invoice from the foreign principal (if applicable as per contractual price) within 21 days from the date of NOA.
- 42.3 The Purchaser/Consignee reserve the right to issue the Notifications of Award consignee wise.

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

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

44. Return of EMD

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

45. Publication of Tender Result

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

46. Corrupt or Fraudulent Practices

- 46.1 It is required by all concerned namely the Consignee/Tenderers/Suppliers etc to observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the Purchaser: -
 - (a) defines, for the purposes of this provision, the terms set forth below as follows:
 - (i) "corrupt practice" means the offering, giving, receiving or soliciting of 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 Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition;
 - (b) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
 - (c) Will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract by the purchaser if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing the contract.

SECTION - III

SPECIAL INSTRUCTIONS TO TENDERERS (SIT)

SI. No.	GIT Clause No.	Торіс	SIT Provision	Page No.
Α	1 to 7	Preamble	No Change	-
В	8 to 10	TE documents	No Change	-
С	11 to 21	Preparation of Tenders	No Change	-
D	22 to24	Submission of Tenders	Change	below
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.

AWARD OF CONTRACT

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

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

Sl. No.	Торіс	Page No.
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1. Application

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

2. Use of contract documents and information

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

3. Patent Rights

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

4. Country of Origin

- 4.1 All goods and services to be supplied and provided for the contract shall have the origin in India or in the countries with which the Government of India has trade relations.
- 4.2 The word "origin" incorporated in this clause means the place from where the goods are mined, cultivated, grown, manufactured, produced or processed or from where the services are arranged.
- 4.3 The country of origin may be specified in the Price Schedule

5. Performance Security

- 5.1 Within twenty one (21) days from date of the issue of notification of award by the Purchaser/Consignee, the supplier, shall furnish performance security to the Purchaser/Consignee for an amount equal to ten percent (10%) of the total value of the contract, valid up to sixty (60) days after the date of completion of all contractual obligations by the supplier, including the warranty obligations, which is initially valid for a period of minimum six months plus number of months under warranty from the date of Notification of Award
- 5.2 The Performance security shall be denominated in Indian Rupees or in the currency of the contract as detailed below:
 - It shall be in any one of the forms namely Account Payee Demand Draft or Fixed Deposit Receipt drawn from any Scheduled bank in India or Bank Guarantee issued by a Scheduled bank in India, in the prescribed form as provided in section XV of this document in favour of the Purchaser/Consignee. The

- validity of the Fixed Deposit receipt or Bank Guarantee will be for a period up to sixty (60) days beyond Warranty Period.
- 5.3 In the event of any failure /default of the supplier with or without any quantifiable loss to the government including furnishing of consignee wise Bank Guarantee for CMC security as per Proforma in Section XV, the amount of the performance security is liable to be forfeited. The Administration Department may do the needful to cover any failure/default of the supplier with or without any quantifiable loss to the Government.
- 5.4 In the event of any amendment issued to the contract, the supplier shall, within fifteen (15) days of issue of the amendment, furnish the corresponding amendment to the Performance Security (as necessary), rendering the same valid in all respects in terms of the contract, as amended.
- 5.5 The supplier shall enter into Annual Comprehensive Maintenance Contract as per the 'Contract Form B' in Section XVI with respective consignees, 3 (three) months prior to the completion of Warranty Period.

 The CMC will commence from the date of expiry of the Warranty Period.
- 5.6 Subject to GCC sub clause 5.3 above, the Purchaser/Consignee will release the Performance Security without any interest to the supplier on completion of the supplier's all contractual obligations including the warranty obligations, extension of time (with or without Liquidated Damages) & after receipt of Consignee wise bank guarantee for CMC security in favour of Head of the Hospital/ Institute/ Medical College of the consignee as per the format in Section XV.

6. Technical Specifications and Standards

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

7. Packing and Marking

- 7.1 The packing for the goods to be provided by the supplier should be strong and durable enough to withstand, without limitation, the entire journey during transit including transhipment (if any), rough handling, open storage etc. without any damage, deterioration etc. As and if necessary, the size, weights and volumes of the packing cases shall also take into consideration, the remoteness of the final destination of the goods and availability or otherwise of transport and handling facilities at all points during transit up to final destination as per the contract.
- 7.2 The quality of packing, the manner of marking within & outside the packages and provision of accompanying documentation shall strictly comply with the requirements as provided in Technical Specifications and Quality Control Requirements under Sections VII and VIII and in SCC under Section V. In case the packing requirements are amended due to issue of any amendment to the contract, the same shall also be taken care of by the supplier accordingly.

7.3 Packing instructions:

Unless otherwise mentioned in the Technical Specification and Quality Control Requirements under Sections VII and VIII and in SCC under Section V, the supplier shall make separate packages for each consignee (in case there is more than one consignee mentioned in the contract) and mark each package on three sides with the following with indelible paint of proper quality:

- a. contract number and date
- b. brief description of goods including quantity
- c. packing list reference number
- d. country of origin of goods
- e. consignee's name and full address and
- f. supplier's name and address

8. Inspection, Testing and Quality Control

- 8.1 The purchaser and/or its nominated representative(s) will, without any extra cost to the purchaser, inspect and/or test the ordered goods and the related services to confirm their conformity to the contract specifications and other quality control details incorporated in the contract. The purchaser shall inform the supplier in advance, in writing, the purchaser's programme for such inspection and, also the identity of the officials to be deputed for this purpose. "The cost towards the transportation, boarding and lodging will be borne by the purchaser and/or its nominated representative(s) for the first visit. In case the goods are rejected in the first instance and the supplier requests for re-inspection, and if same is accepted by purchaser/consignee/PSA/PA, all subsequent inspections shall be at the cost of the supplier. The expense will be to and fro Economy Airfare, Local Conveyance, Boarding and Lodging of the inspection team for the inspection period."
- 8.2 The Technical Specification and Quality Control Requirements incorporated in the contract shall specify what inspections and tests are to be carried out and, also, where and how they are to be conducted. If such inspections and tests are conducted in the premises of the supplier or its subcontractor(s), all reasonable facilities and assistance, including access to relevant drawings, design details and production data, shall be furnished by the supplier to the purchaser's inspector at no charge to the purchaser.
- 8.3 If during such inspections and tests the contracted goods fail to conform to the required specifications and standards, the purchaser's inspector may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet the specifications and standards, as required, free of cost to the purchaser and resubmit the same to the purchaser's inspector for conducting the inspections and tests again.
- 8.4 In case the contract stipulates pre-despatch inspection of the ordered goods at supplier's premises, the supplier shall put up the goods for such inspection to the purchaser's inspector well ahead of the contractual delivery period, so that the purchaser's inspector is able to complete the inspection within the contractual delivery period.
- 8.5 If the supplier tenders the goods to the purchaser's inspector for inspection at the last moment without providing reasonable time to the inspector for completing the inspection within the contractual delivery period, the inspector may carry out the inspection and complete the formality beyond the contractual delivery period at the risk and expense of the supplier. The fact that the goods have been inspected after the contractual delivery period will not have the effect of keeping the contract alive and this will be without any prejudice to the legal rights and remedies available to the purchaser under the terms & conditions of the contract.
- 8.6 The purchaser's/consignee's contractual right to inspect, test and, if necessary, reject the goods after the goods' arrival at the final destination shall have no bearing of the fact that the goods have previously been inspected and cleared by purchaser's inspector during pre-despatch inspection mentioned above.
 - "On rejection, the supplier shall remove such stores within 14 days of the date of intimation of such rejection from the consignee's premises. If such goods are not removed by the supplier within the period mentioned above, the purchaser/consignee may remove the rejected stores and either return the same to the supplier at his risk and cost by such mode of transport as purchaser/consignee may decide or dispose of such goods at the suppliers risk to recover any expense incurred in connection with such disposals and also the cost of the rejected stores if already paid for."
- 8.7 Goods accepted by the purchaser/consignee and/or its inspector at initial inspection and in final inspection in terms of the contract shall in no way dilute purchaser's/consignee's right to reject the same later, if found deficient in terms of the warranty clause of the contract, as incorporated under GCC Clause 15.
- 8.8 Principal/ Foreign supplier shall also have the equipment inspected by recognised/ reputed agency like SGS, Lloyd, Bureau Veritas, TUV prior to despatch at the supplier's cost and furnish necessary certificate from the said agency in support of their claim.

9. Terms of Delivery

9.1 Goods shall be delivered by the supplier in accordance with the terms of delivery and as per the delivery period specified in the schedule of requirement. Please note that the time shall be the essence of the contract.

10. Transportation of Goods

10.1 Instructions for transportation of imported goods offered from abroad:

The supplier shall not arrange part-shipments and/or transhipment without the express/prior written consent of the purchaser. The supplier is required under the contract to deliver the goods under CIP (Named port of destination) terms; the shipment shall be made by Indian flag vessel or by vessels belonging to the conference lines in which India is a member country through India's forwarding agents/coordinators. In case the forwarding agent/coordinators are unable to provide timely adequate space in Indian flag vessel or by vessels belonging to the conference lines, the supplier shall arrange shipment through any available vessel to adhere to the delivery schedule given in the contract.

In case of airlifting of imported goods offered from abroad, the same will be done only through the National Carrier i.e. Air India wherever applicable. In case the National Carrier is not available, any other airlines available for early delivery may be arranged.

10.2 Instructions for transportation of domestic goods including goods already imported by the supplier under its own arrangement:

In case no instruction is provided in this regard in the SCC, the supplier will arrange transportation of the ordered goods as per its own procedure.

11. Insurance:

- 11.1 Unless otherwise instructed in the SCC, the supplier shall make arrangements for insuring the goods against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the following manner:
 - i) In case of supply of domestic goods on Consignee site basis, the supplier shall be responsible till the entire stores contracted for arrival in good condition at destination. The transit risk in this respect shall be covered by the Supplier by getting the stores duly insured for an amount equal to 110% of the value of the goods from ware house to ware house (consignee site) on all risk basis. The insurance cover shall be obtained by the Supplier and should be valid till 3 months after the receipt of goods by the Consignee.
 - ii) in case of supply of the imported goods on CIP Named port of Destination Basis, the additional extended Insurance (local transportation and storage) would be borne by the Supplier or its Indian Subsidiary/Indian agent from the port of entry to the consignee site for a period including 3 months beyond date of delivery for an amount equal to 110% of the overall expenditure to be incurred by the purchaser from ware house to ware house (consignee site) on all risk basis.

If the equipment is not commissioned and handed over to the consignee within 3 months, the insurance will have to be extended by the supplier at their cost till the successful installation, testing, commissioning and handing over of the goods to the consignee. In case the delay in the installation and commissioning is due to handing over of the site to the supplier by the consignee, such extensions of the insurance will still be done by the supplier, but the insurance extension charges at actuals will be reimbursed.

12. Spare parts

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

- a) The spare parts as selected by the Purchaser/Consignee to be purchased from the supplier, subject to the condition that such purchase of the spare parts shall not relieve the supplier of any contractual obligation including warranty obligations; and
- b) In case the production of the spare parts is discontinued:
 - i) Sufficient advance notice to the Purchaser/Consignee before such discontinuation to provide adequate time to the purchaser to purchase the required spare parts etc., and
 - ii) The supplier shall be responsible for undertaking the supply of any such spare part for the proper up keeping of equipment for a period of 10 years including the warranty and CMC periods.
- 12.2 Supplier shall carry sufficient inventories to assure ex-stock supply of consumables and spares for the goods so that the same are used during warranty and CMC period.

13. Incidental services

- 13.1 Subject to the stipulation, if any, in the SCC (Section V), List of Requirements (Section VI) and the Technical Specification (Section VII), the supplier shall be required to perform the following services.
 - a. Installation & commissioning, Supervision and Demonstration of the goods
 - b. Providing required jigs and tools for assembly, minor civil works required for the completion of the installation.
 - c. Training of Consignee's Doctors, Staff, operators etc. for operating and maintaining the goods
 - d. Supplying required number of operation & maintenance manual for the goods

14. Distribution of dispatch documents for clearance/receipt of goods

The supplier shall send all the relevant despatch documents well in time to the Purchaser/Consignee to enable the Purchaser/Consignee clear or receive (as the case may be) the goods in terms of the contract. Unless otherwise specified in the SCC, the usual documents involved and the drill to be followed in general for this purpose are as follows.

- A) For Domestic Goods, including goods already imported by the supplier under its own arrangement Within 24 hours of despatch, the supplier shall notify the purchaser, consignee, and others concerned if mentioned in the contract, the complete details of despatch and also supply the following documents to them by registered post / speed post / courier (or as instructed in the contract):
 - (i) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
 - (ii) Two copies of packing list identifying contents of each package;
 - (iii) Certificate of origin for goods of foreign origin;
 - (iv) Insurance Certificate as per GCC Clause 11.
 - (v) Manufacturers/Supplier's warranty certificate & In-house inspection certificate.
- B) For goods imported from abroad

Within 24 hours of despatch, the supplier shall notify the purchaser, consignee, and others concerned if mentioned in the contract, the complete details of despatch and also supply the following documents to them by registered post / speed post (or as instructed in the contract). Any delay or demurrage occurred during the customs clearance on account of the non-availability of technical support/ clarifications /documents from the supplier shall be borne by the supplier:

- (i) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
- (ii) Original and four copies of the negotiable clean, on-board Bill of Lading/Airway bill, marked freight prepaid and four copies of non-negotiable Bill of Lading/Airway bill;
- (iii) Four Copies of packing list identifying contents of each package;

- (iv) Manufacturer's/Supplier's warranty certificate;
- (v) Inspection Certificate for the despatched equipment issued by recognized/ reputed agency like SGS, Lloyd, BUREAU VERITAS, TUV prior to despatch
- (vi) Manufacturer's own factory inspection report;
- (vii) Certificate of origin
- (viii) Port of Loading;
- (ix) Port of Discharge and
- (x) Expected date of arrival.

15. Warranty:

- 15.1 The supplier warrants comprehensively that the goods supplied under the contract is new, unused and incorporate all recent improvements in design and materials unless prescribed otherwise by the purchaser in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials (except when the design adopted and/or the material used are as per the Purchaser's/Consignee's specifications) or workmanship or from any act or omission of the supplier, that may develop under normal use of the supplied goods under the conditions prevailing in India.
- 15.2 The <u>warranty shall remain valid for 60 months commencing from first patient treated as per AERB norms</u> with a regular updates of newer technology as and when evolved followed by a CMC for a period of 5 (Five) Years for all the equipment after the goods or any portion thereof as the case may be, have been delivered to the final destination and installed and commissioned at the final destination and accepted by the purchaser/ consignee in terms of the contract, unless specified otherwise in the SCC.
 - No conditional warranty will be acceptable.
 - Warranty as well as Comprehensive Maintenance contract will be inclusive of all accessories and Site Modification work and it will also cover the following wherever applicable:-
 - Any kind of motor.
 - Plastic & Glass Parts against any manufacturing defects.
 - All kind of sensors.
 - All kind of coils, probes and transducers.
 - Printers and imagers including laser and thermal printers with all parts.
 - UPS including the replacement of batteries.
 - Air-conditioners
 - Replacement and repair will be under taken for the defective goods.
 - All kinds of painting, civil, HVAC, mechanical and electrical work
 - Proper marking has to be made for all spares for identification like printing of installation and repair dates.
- 15.3 In case of any claim arising out of this warranty, the Purchaser/Consignee shall promptly notify the same in writing to the supplier. The period of the warranty will be as per G.C.C clause number 15.2 above irrespective of any other period mentioned elsewhere in the bidding documents.
- 15.4 Upon receipt of such notice, the supplier shall, within 8 hours on a 24 (hrs) X 7 (days) X 365 (days) basis respond to take action to repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/goods after providing their replacements and no claim, whatsoever shall lie on the purchaser for such replaced parts/goods thereafter. The penalty clause for non-rectification will be applicable as per tender conditions

- 15.5 In the event of any rectification of a defect or replacement of any defective goods during the warranty period, the warranty for the rectified/replaced goods shall be extended till the completion of the original warranty period of the main equipment.
- 15.6 If the supplier, having been notified, fails to respond to take action to repair or replace the defect(s) within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis, the purchaser may proceed to take such remedial action(s) as deemed fit by the purchaser, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which the purchaser may have against the supplier.
- During Warranty period, the supplier is required to visit at each consignee's site at least twice in 6 months (i.e., minimum 4 preventive maintenance per year) apart from all breakdown visits, commencing from the date of the installation for preventive maintenance of the goods.
- 15.8 The Purchaser/Consignee reserve the rights to enter into Annual Comprehensive Maintenance Contract between Consignee and the Supplier for the period as mentioned in Section VII, Technical Specifications after the completion of warranty period.
- 15.9 The supplier along with its Indian Agent and the CMC provider shall ensure continued supply of the spare parts for the machines and equipment supplied by them to the purchaser for 10 years from the date of installation and handing over.
- 15.10 The Supplier along with its Indian Agent and the CMC Provider shall always accord most favoured client status to the Purchaser vis-à-vis its other Clients/Purchasers of its equipment/machines/goods etc. and shall always give the most competitive price for its machines/equipment supplied to the Purchaser/Consignee.

16. Assignment

16.1 The Supplier shall not assign, either in whole or in part, its contractual duties, responsibilities and obligations to perform the contract, except with the Purchaser's prior written permission.

17. Sub Contracts

- 17.1 The Supplier shall notify the Purchaser in writing of all sub contracts awarded under the contract if not already specified in its tender. Such notification, in its original tender or later, shall not relieve the Supplier from any of its liability or obligation under the terms and conditions of the contract.
- 17.2 Sub contract shall be only for bought out items and sub-assemblies.
- 17.3 Sub contracts shall also comply with the provisions of GCC Clause 4 ("Country of Origin").

18. Modification of Contract

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

adjustment made by the Purchaser/Consignee, the supplier shall convey its views to the Purchaser/Consignee within twenty-one days from the date of the supplier's receipt of the Purchaser's/Consignee's amendment / modification of the contract.

19. Prices

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

20. Taxes and Duties

- 20.1 Supplier shall be entirely responsible for all taxes, duties, fees, levies etc. incurred until delivery of the contracted goods to the purchaser.
- 20.2 Further instruction, if any, shall be as provided in the SCC.

21. Terms and mode of payment

21.1 Payment Terms

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

TERMS AND MODE OF PAYMENT

A) Payment for Domestic Goods Or Foreign Origin Located Within India.

Payment shall be made in Indian Rupees as specified in the contract in the following manner:

a) On delivery:

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

- (i) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount
- (ii) Two copies of packing list identifying contents of each package
- (iii) Inspection certificate issued by the nominated Inspection agency, if any
- (iv) Insurance Certificate as per GCC Clause 11
- (v) Certificate of origin for imported goods
- (vi) Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of the consignee

b) On Acceptance:

Balance Twenty Five percent (25%) payment would be made against 'Final Acceptance Certificate' as per Section XVIII of goods to be issued by the consignees subject to recoveries, if any, either on account of non-rectification of defects/deficiencies not attended by the Supplier or otherwise. FAC needs to be issued by the designated consignee after installation, commissioning, testing and one to two weeks of successful trail run of the equipment.

B) Payment For Imported Goods:

Payment for foreign currency portion shall be made in the currency as specified in the contract in the following manner:

a) On Shipment:

75% of the net CIP price (CIP price less Indian Agency commission) of the goods shipped shall be paid through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the supplier in a bank in his country and upon submission of documents specified hereunder:

- (i) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
- (ii) Original and four copies of the negotiable clean, on-board Bill of Lading/ Airway bill, marked freight pre paid and four copies of non-negotiable Bill of Lading/Airway bill;
- (iii) Four Copies of packing list identifying contents of each package;
- (iv) Insurance Certificate as per GCC Clause 11 and documents also to be submitted for payment of LC confirming that dispatch documents has already been sent to all concerned as per the contract within 24 hours;
- (v) Manufacturer's/Supplier's warranty certificate;
- (vi) Manufacturer's own factory inspection report and
- (vii) Certificate of origin by the chamber of commerce of the concerned country;
- (viii) Inspection Certificate for the dispatched equipment issued by recognized/ reputed agency like SGS, Lloyd, BEAURU VARITUS and TUV prior to despatch.
- (ix) Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of the consignee

b) On Acceptance:

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

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

d) Payment of Indian Agency Commission:

Indian Agency commission will be paid to the manufacturer's agent in the local currency for an amount in Indian rupees indicated in the relevant Price Schedule (as per prevailing rate of exchange ruling on the date of Contract) and shall not be subject to further escalation / exchange variation. This is payable against submission of a certificate from the principal supplier that they have realised full and final settlement against their supply.

C) Payment of Site Modification Work, if any:

Site Modification Work payment will be made to the bidder/ manufacturer's agent opt its Indian Office in Indian rupees as indicated in the relevant Price Schedule (as per prevailing rate of exchange ruling on the date of Contract) and shall not be subject to further escalation / exchange variation. This will be paid on proof of final installation, commission and acceptance of equipment by the consignee

D) Payment for Annual Comprehensive Maintenance Contract Charges:

The consignee will enter into CMC with the supplier at the rates as stipulated in the contract. The payment of CMC will be made on six monthly basis after satisfactory completion of said period, duly certified by the consignee on receipt of bank guarantee for an amount equivalent to 2.5% of the cost of the equipment as per contract in the prescribed format given in Section XV valid till 2 months after expiry of entire CMC period.

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

- 21.3 Where there is a statutory requirement for tax deduction at source, such deduction towards income tax and other tax as applicable will be made from the bills payable to the Supplier at rates as notified from time to time.
- 21.4 Irrevocable & non transferable LC shall be opened by the Purchaser. However, if the supplier requests specifically to open confirmed LC, the extra charges would be borne by the supplier. If LC is required to be extended and/or amended for reasons not attributable to the purchaser/consignee, the charges thereof shall be borne by the supplier.
- 21.5 The payment shall be made in the currency / currencies authorised in the contract.
- 21.6 The supplier shall send its claim for payment in writing, when contractually due, along with relevant documents etc., duly signed with date, to respective consignees.
- 21.7 While claiming payment, the supplier is also to certify in the bill that the payment being claimed is strictly in terms of the contract and all the obligations on the part of the supplier for claiming that payment has been fulfilled as required under the contract.
- 21.8 While claiming reimbursement of duties, taxes etc. (like custom duty and/or GST or any other taxes) from the Purchaser/Consignee, as and if permitted under the contract, the supplier shall also certify that, in case it gets any refund out of such taxes and duties from the concerned authorities at a later date, it (the supplier) shall refund to the Purchaser/Consignee forthwith.
- 21.9 In case where the supplier is not in a position to submit its bill for the balance payment for want of receipted copies of Inspection Note from the consignee and the consignee has not complained about the non-receipt, shortage, or defects in the supplies made, balance amount will be paid by the paying authority without consignee's receipt certificate after three months from the date of the preceding part payment for the goods in question, subject to the following conditions:
 - (a) The supplier will make good any defect or deficiency that the consignee (s) may report within six months from the date of despatch of goods.
 - (b) Delay in supplies, if any, has been regularized.
 - (c) The contract price where it is subject to variation has been finalized.
 - (d) The supplier furnishes the following undertakings:

"I/We,	certify that I/We have not received back the Inspection Note duly receipted by the consignee
or any com	imunication 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 fro	m the date of receipt of this balance payment.

22. Delivery

- 22.1 The supplier shall deliver the goods and perform the services under the contract within the time schedule specified by the Purchaser/Consignee in the List of Requirements and as incorporated in the contract. The time for and the date of delivery of the goods stipulated in the schedule shall be deemed to be of the essence of the contract and the delivery must be completed no later than the date (s) as specified in the contract.
- 22.2 Subject to the provision under GCC clause 26, any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions:
 - (i) Imposition of liquidated damages,
 - (ii) Forfeiture of its performance security and
 - (iii) Termination of the contract for default.
- 22.3 If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform the

Purchaser/Consignee in writing about the same and its likely duration and make a request to the Purchaser/Consignee for extension of the delivery schedule accordingly. On receiving the supplier's communication, the Purchaser/Consignee shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.

- When the period of delivery is extended due to unexcused delay by the supplier, the amendment letter extending the delivery period shall, interalia contain the following conditions:
 - (a) The Purchaser/Consignee shall recover from the supplier, under the provisions of the clause 23 of the General Conditions of Contract, liquidated damages on the goods and services, which the Supplier has failed to deliver within the delivery period stipulated in the contract.
 - (b) That no increase in price on account of any ground, whatsoever, including any stipulation in the contract for increase in price on any other ground and, also including statutory increase in or fresh imposition of customs duty and/or GST or on account of any other tax or duty which may be levied in respect of the goods and services specified in the contract, which takes place after the date of delivery stipulated in the contract shall be admissible on such of the said goods and services as are delivered and performed after the date of the delivery stipulated in the contract.
 - (c) But nevertheless, the Purchaser/Consignee shall be entitled to the benefit of any decrease in price on account of reduction in or remission of customs duty and/or GST or any other duty or tax or levy or on account of any other grounds, which takes place after the expiry of the date of delivery stipulated in the contract.
- 22.5 The supplier shall not dispatch the goods after expiry of the delivery period. The supplier is required to apply to the Purchaser/Consignee for extension of delivery period and obtain the same before despatch. In case the supplier dispatches the goods without obtaining an extension, it would be doing so at its own risk and no claim for payment for such supply and / or any other expense related to such supply shall lie against the purchaser.
- 22.6.1 Passing of Property:
- 22.6.2 The property in the goods shall not pass to the purchaser unless and until the goods have been delivered to the consignee in accordance with the conditions of the contract.
- 22.6.3 Where there is a contract for sale of specific goods and the supplier is bound to do something to the goods for the purpose of putting them into a deliverable state the property does not pass until such thing is done.
- 22.6.4 Unless otherwise agreed, the goods remain at the supplier's risk until the property therein is transferred to the purchaser.

23. Liquidated damages

Subject to GCC clause 26, if the supplier fails to deliver or install /commission any or all of the goods or fails to perform the services within the time frame(s) incorporated in the contract including opening of office in India as per the undertaking given in the qualification criteria, the Purchaser/Consignee shall, without prejudice to other rights and remedies available to the Purchaser/Consignee under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.5% per week of delay or part thereof on delayed supply of goods, installation, commissioning and/or services until actual delivery or performance subject to a maximum of 10% of the contract price. Once the maximum is reached Purchaser/Consignee may consider termination of the contract as per GCC 24. Since the Liquidated damages are in virtue of non-performance of services, it will attract GST or any other applicable taxes which in turn shall be deducted from the bidder.

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

24. Termination for default

- 24.1 The Purchaser/Consignee, without prejudice to any other contractual rights and remedies available to it (the Purchaser/Consignee), may, by written notice of default sent to the supplier, terminate the contract in whole or in part, if the supplier fails to deliver any or all of the goods or fails to perform any other contractual obligation(s) within the time period specified in the contract, or within any extension thereof granted by the Purchaser/Consignee pursuant to GCC sub-clauses 22.3 and 22.4.
- 24.2 In the event of the Purchaser/Consignee terminates the contract in whole or in part, pursuant to GCC subclause 24.1 above, the Purchaser/Consignee may procure goods and/or services similar to those cancelled, with such terms and conditions and in such manner as it deems fit and the supplier shall be liable to the Purchaser/Consignee for the extra expenditure, if any, incurred by the Purchaser/Consignee for arranging such procurement.
- 24.3 Unless otherwise instructed by the Purchaser/Consignee, the supplier shall continue to perform the contract to the extent not terminated.

25. Termination for insolvency

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

26. Force Majeure

- 26.1 Notwithstanding the provisions contained in GCC clauses 22, 23 and 24, the supplier shall not be liable for imposition of any such sanction so long the delay and/or failure of the supplier in fulfilling its obligations under the contract is the result of an event of Force Majeure.
- 26.2 For purposes of this clause, Force Majeure means an event beyond the control of the supplier and not involving the supplier's fault or negligence and which is not foreseeable and not brought about at the instance of , the party claiming to be affected by such event and which has caused the non performance or delay in performance. Such events may include, but are not restricted to, wars or revolutions, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes excluding by its employees , lockouts excluding by its management, and freight embargoes.
- 26.3 If a Force Majeure situation arises, the supplier shall promptly notify the Purchaser/Consignee in writing of such conditions and the cause thereof within twenty one days of occurrence of such event. Unless otherwise directed by the Purchaser/Consignee in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- 26.4 If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of Force Majeure for a period exceeding sixty days, either party may at its option terminate the contract without any financial repercussion on either side.
- 26.5 In case due to a Force Majeure event the Purchaser/Consignee is unable to fulfil its contractual commitment and responsibility, the Purchaser/Consignee will notify the supplier accordingly and subsequent actions taken on similar lines described in above sub-paragraphs.

27. Termination for convenience

27.1 The Purchaser/Consignee reserves the right to terminate the contract, in whole or in part for its (Purchaser's/Consignee 's) convenience, by serving written notice on the supplier at any time during the currency of the contract. The notice shall specify that the termination is for the convenience of the Purchaser/Consignee. The notice shall also indicate interalia, the extent to which the supplier's

- performance under the contract is terminated, and the date with effect from which such termination will become effective.
- 27.2 The goods and services which are complete and ready in terms of the contract for delivery and performance within thirty days after the supplier's receipt of the notice of termination shall be accepted by the Purchaser/Consignee following the contract terms, conditions and prices. For the remaining goods and services, the Purchaser/Consignee may decide:
 - a) To get any portion of the balance completed and delivered at the contract terms, conditions and prices; and / or
 - b) To cancel the remaining portion of the goods and services and compensate the supplier by paying an agreed amount for the cost incurred by the supplier towards the remaining portion of the goods and services.

28. Governing language

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

29. Notices

- 29.1 Notice, if any, relating to the contract given by one party to the other, shall be sent in writing by speed post/ Regd. Post or by email. The procedure will also provide the sender of the notice, the proof of receipt of the notice by the receiver. The addresses of the parties for exchanging such notices will be the addresses as incorporated in the contract.
- 29.2 The effective date of a notice shall be either the date when delivered to the recipient or the effective date specifically mentioned in the notice, whichever is later.

30. Resolution of disputes

- 30.1 If dispute or difference of any kind shall arise between the Purchaser/Consignee and the supplier in connection with or relating to the contract, the parties shall make every effort to resolve the same amicably by mutual consultations.
- 30.2 If the parties fail to resolve their dispute or difference by such mutual consultation within twenty-one days of its occurrence, then, unless otherwise provided in the SCC, either the Purchaser/Consignee or the supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided the applicable arbitration procedure will be as per the Arbitration and Conciliation Act, 1996 of India or amendments thereof. In the case of a dispute or difference arising between the Purchaser/Consignee and a domestic Supplier relating to any matter arising out of or connected with the contract, such dispute or difference shall be referred to the sole arbitrator appointed by CEO (HITES). The award of the arbitrator shall be final and binding on the parties to the contract subject to the provision that the Arbitrator shall give reasoned award in case the value of claim in reference exceeds Rupees One lakh (Rs. 1,00,000/-)
- 30.3 Settlement of disputes through pre- institution mediation and settlement in accordance with the commercial courts, commercial division and commercial appellate division of High Courts (Amendment) Act 2018, No. 28 of 2018 Chapter IIIA
- 30.4 Venue of Arbitration: The venue of arbitration shall be the place from where the contract has been issued, i.e., New Delhi/NCR, India.
- Jurisdiction of the court will be from the place where the tender enquiry document has been issued, i.e., New Delhi, India

31. Applicable Law

31.1 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

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

33. General/ Miscellaneous Clauses

- 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.
- Any failure on the part of any Party to exercise right or power under this Contract shall not operate as waiver thereof.
- 33.3 The Supplier shall notify the Purchaser/Consignee /the Government of India of any material change would impact on performance of its obligations under this Contract.
- 33.4 Each member/constituent of the Supplier/its Indian Agent/CMC Provider, in case of consortium shall be jointly and severally liable to and responsible for all obligations towards the Purchaser/Consignee/Government for performance of contract/services including that of its Associates/Sub Contractors under the Contract.
- 33.5 The Supplier/its Indian Agent/CMC Provider shall at all times, indemnify and keep indemnified the Purchaser/Government of India against all claims/damages etc. for any infringement of any Intellectual Property Rights (IPR) while providing its services under CMC or the Contract.
- 33.6 The Supplier/its Agent/CMC Provider shall, at all times, indemnify and keep indemnified the Purchaser/Consignee/Government of India against any claims in respect of any damages or compensation payable in consequences of any accident or injury sustained or suffered by its employees or agents or by any other third party resulting from or by any action, omission or operation conducted by or on behalf of the supplier/its associate/affiliate etc.
- 33.7 All claims regarding indemnity shall survive the termination or expiry of the contract.
- 33.8 If any provisions of this tender enquiry or a contact formed on the basis of this tender enquiry are invalid or void under any of the existing provisions of Indian law, then such provisions will not affect other provisions of this tender enquiry/ contract.

<u>SECTION – V</u> <u>SPECIAL CONDITIONS OF CONTRACT (SCC)</u>

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

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

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

Warranty:

Clause 15.4, Added Para:

Penalty against non-performance/ non-rectification of defects during warranty and CMC Period:

Penalty, as mentioned in the Technical specifications of the equipment, will be applicable in case of non-performance/non-rectification of defects during warranty and CMC Period.

SECTION - VI LIST OF REQUIREMENTS

Part I

SI. No.	Tender ID	Short Description of goods	QTY (Nos.)	Warranty	СМС
1	rtal)	1000 mA Digital X-RAY System with Digital Flat Panel Detector	6	5 Years	5 Years
2	Will be added before tender Publication (as per issuance by CPPP portal)	DRF - Digital Flat Panel Fluoroscopy cum Radiography System	8	5 Years	5 Years
3	nce by (800mA Digital X-Ray unit with Single Detector	4	5 Years	5 Years
4	issua	Computed Radiography Unit	5	5 Years	5 Years
5	(as per	Computed Radiography Unit Single Loader	3	5 Years	5 Years
6	ation (Colour Doppler - 2D	10	5 Years	5 Years
7	ublice	Colour Doppler System - (4D)	10	5 Years	5 Years
8	nder F	Portable - Colour Doppler	20	5 Years	5 Years
9	ore te	Mobile X-ray Machine	24	5 Years	5 Years
10	d befo	300 mA HF X-Ray Machine	16	5 Years	5 Years
11	adde	C-arm with image intensifier	20	5 Years	5 Years
12	ViII b∈	C Arm with DSA	9	5 Years	5 Years
13	1	Picture Archiving & Communication System (PACS)	2	5 Years	5 Years

Part II: Required Delivery Schedule:

- a. For Indigenous goods or for imported goods if supplied from India:
 - 75 days from date of Notification of Award to delivery at consignee site. The date of delivery will be the date of delivery at consignee site. Tenderers may quote earliest delivery period.
 - Installation and commissioning shall be done within 45 days of receipt of the stores/ goods at site or within 45 days of handing over the site for installation, whichever is later.
- b. For Imported goods directly from foreign:
 - 90 days from the date of opening of L/C. The date of delivery will be the date when the consignment reaches the port of destination. (Tenderers may quote the earliest delivery period). Delivery of indigenous goods contracted along with the direct imported items shall be within the scheduled delivery period for imported goods.
 - Installation and commissioning shall be done within 45 days of receipt of the stores/ goods at site or within 45 days of handing over the site for installation, whichever is later
 - For delayed delivery and/ or installation and commissioning liquidated damages will get applied as per GCC clause 23.

Note:

- i) The delivery schedule for different sites may be staggered based on the site readiness.
- ii) Supplier has to submit clear documents for opening of LC to HITES within 21 days of placement of order.

 Any delay will be treated as non-performance and Liquidated Damages shall be levied.
- iii) In case of multiple LC are opened in favour of multiple manufacturers, the delivery period for all the items under the contract shall be counted from the date of opening of the first LC only.
- iv) Indigenous goods or imported goods if supplied from India (offered in INR) which are linked with supply of directly imported goods, are to be supplied within the contractual delivery period as stated in para b) above.

Part III: Scope of Incidental Services:

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

Part IV:

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

Part V: Warranty

Warranty period as per details in general technical specification and as specified in Part I above. Warranty period will be 60 months from the date of installation, commissioning and acceptance.

Comprehensive Maintenance Contract (CMC) as per details in Technical Specification as specified in part I above

Part VI:

Required Terms of Delivery and Destination:

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

At Consignee Site(s)

b) For Imported goods directly from abroad:

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

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

Destination/Consignee details:

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

SECTION – VII TECHNICAL SPECIFICATIONS

	Item No 1			
SN	1000 mA Digital X-RAY System with Digital Flat Panel Detector			
•	High Frequency X-Ray Unit for general radiography with digital flat panel technology. The system should be capable of both erect and supine radiological examinations. The unit should be completely integrated with the following specifications. All software updates should be provided in warranty & CMC period.			
1	The unit should comprise of the following:			
а	Two no.s Flat Panel Detectors(Built-in), one for Bucky Table and one for Vertical stand			
b	Generator			
С	X-Ray Tube and Collimator			
d	Ceiling suspended 3D Column Stand			
2	Flat Panel Detector:			
а	Flat Panel Detector size of at least 40 x 40 cm or more			
b	Detector Panel should be made of amorphous Silicon with Csl			
С	Image matrix size at least 2000 x 2000 or more			
d	Minimum pixel should be 200 micron or less			
е	Grey scale of 12 bit.			
f	A/D of 14 bit or better.			
g	Tube assembly movement to be automatically synchronized with the detector movement in both vertical & horizontal direction			
h	Preview time after exposure 7 sec or less			
i	Image processing time should not be more than 9 sec.			
j	DQE at 0.5lp/mm should be atleast 65%			
3	Generator			
a	X-ray generator should be of microprocessor controlled high frequency type with latest technology having constant output with low ripple frequency.			
b	Output 80 KW or more.			
С	KVP range 40 kV - 150 kV with 1 kV steps.			
е	KV/MA output specifications:800 mA at 100 kv.			
f	Minimum exposure time should be 2 ms or less.			
g	It should have automatic exposure control (AEC) device			
h	It should have digital display of KVP and mAs.			
i	Anatomical programming radiography should be possible			
j	It should have over loading protection			
4	X-Ray Tube			
а	The X-Ray Tube should be rotating anode high speed (8000 rpm or more) compatible with the generator and must have dual focus.			
b	Focal spots of the following sizes:			
	Large Focus: 1.3mm or less			
	Small Focus: 0.6mm or less			

	Item No 1	
SN	1000 mA Digital X-RAY System with Digital Flat Panel Detector	
С	X-ray tube loading should be at least 30KW for small focus and at least 80KW for large focus.	
d	X-ray Tube with Anode heat storage capacity of 300kHU or more	
е	Tube protection against overload	
f	Target angle should be at least 12 deg	
g	A high speed rotor accelerator (starter).	
h	Please specify tube rotation at vertical axis and horizontal axis.	
5	Ceiling suspension	
а	Ceiling suspended 3D Column stand with facility of automatic positioning and Synchronization	
b	Movement in all direction should be easily possible	
С	It should have auto-tracking and auto-positions functions	
d	Monitoring of all the position data on colour touch screen for system control (kV, mAs, SID, tube angle)	
е	SID (Source to Image Distance) in vertical positions150 cm or more, in horizontal position 180 cm or more.	
6	X-Ray Table	
а	Free floating Carbon fibre or equivalent table top table with low attenuation.	
b	Anti collision control system.	
С	Table should support patient weight of 200 kg. or more.	
d	Table bucky should have detector movement synchronized (auto-tracking) with movement of X-Ray Tube	
7	Vertical Bucky stand (wall Stand)	
а	Motorized, counter balanced adjustable height vertical Bucky for the digital flat panel detector	
b	Detector movement should be synchronized (auto-tracking) with movement of X-Ray Tube	
С	Bucky should have a grid ratio 10:1 or more.	
8	Filter & Collimator	
а	Inherent filtration of at least 1.00mm AI.	
b	Square collimation: motorized, should be controllable by organ programming.	
С	Full field light localizer:	
d	Rotation of +/- 45 deg or more.	
е	Display of collimation, filter & SID.	
9	Operating (Acquisition) Station	
а	Should have a high resolution TFT / LCD Monitor of minimum 17 inch size or more fully flat with minimum 1024 x 1024 or more display matrix and anti reflective front screen	
b	Operating console should have a facility for patient identity entry, viewing and processing images, documentation etc.	
С	Preview image should be ready in minimum time.	
		

	Item No 1	
SN	1000 mA Digital X-RAY System with Digital Flat Panel Detector	
d	System should have auto protocol select	
е	System should have latest processor with 8GB or more RAM and total storage capacity of atleast 2TB (internal and /or external)	
f	Automatic stitching should be available in table as well as in chest stand	
g	Image viewing, post processing, reporting and documentation station	
а	It should have latest operating system.	
b	24" or more LCD/LED medical grade monitor of minimum 3MP resolution must be provided.	
С	Post-acquisition image processing, viewing, reprocessing, hard copy documentation and onwards transmission should be possible.	
d	Image processing functions like rotate, mirroring, zoom, move, windowing filter should be possible.	
е	Should be connected to Dry chemistry camera for documentation. Multi format printing should be possible with user selectable options.	
f	It should have CD /DVD writing facility.	
11	Image storage and Transmission	
	a. Hard disk storage capacity should be of 10,000 or more images	
	b. The system should support storage of images on compact discs/DVD	
	c. The system should be DICOM 3.0 (or higher version) ready (like send, receive, print, record on CD/ DVD, acknowledge etc) for connectivity to any network computed/PG-etc in DICOM format.	
	d. Easy integration and networking should be possible with any other existing future networking including other modalities HIS, RIS & PACS at no extra cost.	
12	DAP: Automatic collimator must be mounted on X-ray tube and collimator must have an integrated dose area product (DAP) meter. Output of DAP meter should be visible in console.	
13	Accessories	
	a. Dry Chemistry Camera. Should have 500 DPI and should print at least 3 sizes of films: 8x10, 14x17, 10x12 or 11x14 inches. 200 films of each size to be supplied.	
	b. Online UPS along with batteries of appropriate rating to give 30min. back up to operate the complete system including X-Ray machine and Imager.	
	c. Zero lead aprons(0.25mm Lead equivalent) with hangers- 4 Nos.	
	d. Stand for lead aprons-1	
14	Approvals	-
	The equipment should have US FDA or European CE with four digit notified body number or BIS certified and certificate to be submitted.	
	The system should be AERB type approved and the copy of E-LORA Listing should be submitted along with bid.	
	Regular QA according to AERB norms will be responsibility of bidder during warranty and CMC period.	
	Site Modification Scope of Work – DR	

	Item No 1	
SN	1000 mA Digital X-RAY System with Digital Flat Panel Detector	
	1. The scope of work includes complete Civil work, Electrical, Plumbing, Furnishing, Airconditioning and Fire fighting for the construction of DR Centre.	
	2. While preparing the plan, the following aspects have to be addressed.	
	a. Care should be taken to provide easy negotiation of the patient stretchers/ trolleys through corridors and doors.	
	b. Radiation shielding for doors, walls, windows etc.	
	c. Furniture like desk, chairs, shelves etc.	
	d. Patient stretcher and other furniture/ accessory to make the DR centre functional.	
	3. The cost of site modification work for the area of 1000sq.ft and Air-conditioning of Tonnage 12 TR will be considered for Ranking / Evaluation purpose. However the payment will be paid on prorata based on the actual site modification area.	
	4. Moreover Bidders will have to quote the Unit Rates of the following components of Site Modification work.	
	a)Civil works	
	b)Electrical work	
	c)Public health (plumbing and sanitary fittings).	
	d)Air Conditioning (HVAC)	
	e)Interior Furnishing & Furniture	
	f)Miscellaneous	
	The Site Modification Work - Scope of Work - DR	
	The supplier should inspect the proposed site and submit all the detailed structural and architectural drawings and BOQ for the proposed DR Centres along with technical bid of the tender.	
	The DR CENTRE shall consist of the following rooms:	
	a) DR Room	
	b) Console room	
	c) Equipment room	
	d) Patient preparation room cum change room	
	e) Patient waiting area	
	The actual area of Site Modification Work done will be considered for payment, based on the unit rates and site measurements	
1	1. Civil work	
	i. Civil construction work including construction of brick wall if any, plastering, flooring as per the approved plan and equipment layout plan.	
	ii. Concrete bed at DR equipment area.	
	iii. Platform for unloading and shifting the DR should be provided if necessary.	
	iv. Cable tray, trench & channel – necessary trenches, cable tray and channels at required location would be provided.	
	v. All the construction work to be done as per the final plan approved by the Consignee.	
	a. Flooring	

	Item No 1	
SN	1000 mA Digital X-RAY System with Digital Flat Panel Detector	
	i. 600 x 600 mm vitrified tiles with 100mm tile skirting to match in console room, lobby and patient preparation areas, Radiologist room etc.	
	ii. 50 mm thick cement concrete flooring with Vinyl flooring in DR equipment / UPS room.	
	b. Painting	
	Two coats Plastic Emulsion Paint over 2 coats of wall putty including primer in patient preparation area, Lobby area, console room, DR room & Equipment room etc.	
	c. False Ceiling	
	Acoustical tile for ceiling with light weight insulating material of high quality supported on grid or finished seamless with support above ceiling. Finished with white paint or powder coated with white paint, if metallic. Ceiling height to suit the equipment mount and clearances.	
2	Plumbing work	
	Deleted	
3	Electrical work	
	a. The supplier shall be required to specify the total load requirements for the DR centre including the load of air conditioning , room lighting and for the accessories if any.	
	b. The supply line will be provided by the Institute up to one point within the DR centre . The distribution panel shall be provided by the vendor. Few lights in each room shall be connected to the UPS to provide emergency lighting.	
	c. The electrical work shall include the following:	
	i. Wiring – All interior electrical wiring- with main distribution panel board, necessary MCBs, DB, joint box, switch box etc. the wires shall be of copper of different capacity as per the load and should be renowned make as listed below.	
	ii. Switches light and power points should be of modular type and of standard make as listed below.	
	iii.General lights – LED light fitting with 500 Lux Illumination	
4	AIR CONDITIONING:	
	a. Package air conditioners units and split AC units may be used according to room requirement and suitability. Humidity control should be effective to eliminate moisture condensation on equipment surface. The Air conditioning should be designed with standby provision to function 24 hours a day.	
	b. The outdoor units of AC should have grill coverings to prevent theft and damage.	
	c. Ventilation is required in toilet.	
5	Environment specifications:	
	Relative Humidity range: To be maintained between 60% and 80% in all areas except equipment room which shall be as per requirement of the equipment.	
	Temperature ranges: $22 \pm 2^{\circ}$ C in all areas except equipment room which shall be as per requirement of the equipment.	
	Air conditioning load: The heat load calculations and maintaining the desired temperature and humidity shall be the responsibility of the bidder.	

	Item No 1		
SN	1000 mA Digital X-RAY System with Digital Flat Panel Detector		
6	Furniture:		
	a. Revolving chairs height adjustable, medium-back with hand-rest in the Control room, Radiologist room and viewing area. – 4 NO.S		
	b. Chairs for patient waiting area – Three seater (chrome plated) 10 NO.S		
	c. Cupboard with laminate door shutters for storage of spare parts and accessories and records as per requirement. – 3 NO.S		
	d. Drug trolleys for patient preparation area. – 1 No.		
	e. Patient trolley with rubber foam mattress to be kept in the patient preparation room.		
	f. Name boards for all rooms		
	g. Tables for Workstation - 1 NO.		
	h. Changing rooms should have change lockers and dressing table.		
	i. Dustbins – 10 No's.		
	j. Any other essential furniture item as per requirement.		
	All furniture items should be of standard make as mentioned in the table below.		
7	Miscellaneous:		
	a. LED X-ray Film viewer with adjustable brightness; capable of holding 3 films of 14"x17" size. – 3 no.s		
	b. Cabling of Network (LAN) connectivity for camera system, console system, workstation and computers etc.		
<u> </u>	c. Fire extinguisher Dry CO2 type as required for the building safety.		
<u> </u>	LIST OF ITEMS AND SUGGESTED MANUFACTURERS.		
	ITEMS PREFERRED MAKES		
Α	FLOORING VITRIFIED TILES - Somany, Kajaria , H&R Johnson, RAK india		
В	PAINT - Dulux, Asian Paints , Nerolac		
С	PLUMBING - Kohler, Jaguar , Grohe , Roca		
D	SANITARY ITEMS - CERA, Hindware, Parryware		
Ε	ELECTRICAL		
1	CABLES - Finolex, Havells ,V-Guard		
2	SWITCHES - Legrand, L&T, Crabtree , Roma		
3	DISTRIBUTION BOX, MCB - Legrand, L&T, Siemens, Havels		
4	LIGHT FITTINGS - Philips / Crompton / Wipro/ Syska		
F	AIR CONDINTIONING - Daikin, Hitachi, Blue Star, Voltas,		
G	FURNITURE - Hermen Miller , Godrej , Featherlite,Geeken		
	BOQ Digital Radiography System 1000mA (Per Unit)		
SL. No	Item Description	Quantity	UOM
1	1000 mA X-Ray System with digital flat panel detector as per the Tender Specification (Point 1 to 12)	1	No
3	a. Dry Chemistry Camera as per specification	1	No
4	b. Online UPS as per specification	1	No

	Item No 1		
SN	1000 mA Digital X-RAY System with Digital Flat Panel Detector		
5	c. Zero lead aprons with hanger	4	No
6	d. Stand for lead aprons	1	No
	Site Modification Work (1000 sq ft) as per specification		
1	Civil works	1000	sq ft
2	Electrical work	1000	sq ft
3	Public health (plumbing and sanitary fittings).	1000	sq ft
4	Air Conditioning	12	TR
	Furniture:		
1	Revolving chairs height adjustable, medium-back with hand-rest.	4	No
2	Chairs for patient waiting area – Three seater (chrome plated)	10	No
3	Cupboard with laminate door shutters	3	No
4	Drug trolleys for patient preparation area.	1	No
5	Patient trolley with rubber foam mattress	2	No
6	Tables for Workstation and Radiologist .	2	No
7	Changing rooms (with change lockers and dressing table).	1	Set
8	Dustbins	10	No
9	Room Signage	1	LS
10	Venetian Blinds	1	LS
	Miscellaneous:		
1	LED X-ray Film viewer	3	No
2	Cabling of Network (LAN) connectivity for camera system, console system, workstation and computers etc	1	LS
3	Dry chemical power type fire extinguisher of 5kgs capacity	3	No
4	Lead glass 120 x 90cm for console room - 1 no.	1	No

	Item No 2	
SN	DRF - Digital Flat Panel Fluoroscopy cum Radiography System	
Α	Generator:	
1	800 mA unit with microprocessor controlled high frequency X-ray generator with power output of 80 kW or more	
2	Exposure kV range should be 40-125 kV	
3	It should be able to work on 800 mA at 100 kV for Radiography and from 0.5 to 5 mA at fluoroscopy	
4	System should have facility for pulsed fluoroscopy.	
5	Generator should have minimum exposure time of 1 ms or less	
6	System should have multiple user defined programs (vendor defined programs)	
7	There should be provision for automatic exposure control (AEC)	
8	It should have provision for overload protection device and self-diagnosis	
9	It should have provision for digital display of kV. mA both for radiography and fluoroscopy mode	
10	Generator parameters should be automatically set	
В	X-ray tube:	
1	One X-ray tube which is over couch	
2	The X-ray tube should have dual focal spots. Small focus not more than 0.6 mm and large focus not more than 1.2 mm	
3	X-ray tube rating should be compatible with X-ray generator output	
4	Small focal spot power rating should be atleast 30 kW	
5	Large focal spot power rating should be atleast 60 kW	
6	Anode heat storage capacity should at least be 600 kHU	
7	Should have provision of electromagnetic locks with collision protection sensors	
8	Integrated computer controlled automatic X-ray beam filtering	
С	Table:	
1	Floor mounted table with carbon fibre or equivalent table top, scratch resistant surface – specify the material	
2	System should be motor driven, height adjustable with longitudinal movement of table top/detector and horizontal table top movements. Please specify the range of movements	
3	Table should have angulations from longitudinal to head down positions (vertical +90 degrees to Trendelenburg -20 degrees)	
4	Table should support patient weight up to 150 kg with full range of movements	
5	System should have well-designed foot switch for releasing fluoroscopy and acquisition	
6	system should have provision for collision protection	
7	Table should have integrated bucky unit for flat panel general radiography with a grid ratio of at least 8:1 or 40 lines/cm	
8	Intercom system must be available to communicate with patients	

SN DRF - Digital Flat Panel Fluoroscopy cum Radiography System Provision for control of all table movements both locally at the table as well as remote controlled on the console Provision for control of all table movements both locally at the table as well as remote controlled on the console Remote controlled compression cone Direct digital imaging system for fluoroscopy: Field of view of at least 40 x 40 cm or more / 35 x 43 cm with rotating facility Collimator should be automatic and remote controlled System should have real time optimization techniques to maintain constant brightness at the lowest allowable dose to the patient System should have cine loop facility and last image hold facility during fluoroscopy Acquisition matrix should be of at least 1024 x 1024 at 10 bit rate Serial exposure rates atleast 6 fps and In pulsed fluoroscopy mode frame rate should be at least 15 fmense per second. Should be fitted with integrated dose measuring device Detector system: Single digital flat panel detector, using Csl scintillator with TFT convertor Detector must be at least 40 x 40 cms or more / 35 x 43 cm with rotating facility Image matrix size 2k x 2k pixels or more Pixel size should be 200 micron or less Should allow centred de-centred collimation DOE at 0.51p/mm should be atleast 65% Image display system: Two monochrome monitors of 19° or more of medical grade to be provided, one in examination room and one in console room with resolution of 1 mega pixel or more Post Processing Work Station: Post-acquisition image processing, viewing, reprocessing, hard copy documentation and onward transmission. It should be connected with main console.24° or more LCDLED medical grade monitor of minimum MMP resolution must be provided. System should have latest processor with 86B or more RAM. Control console: The system should have fast and direct access to all series, single images, in both examination (remote controlled) and console room iv. System should have angle/ distance measurement, image labell		Item No 2	
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H Image storage and transmission:	3	examination (remote controlled) and console room iv. System should have angle/	
inage otorage and transmission.	Н	Image storage and transmission:	

	Item No 2	
SN	DRF - Digital Flat Panel Fluoroscopy cum Radiography System	
1	Hard disc memory capacity of at least 2TB and should be able to store minimum 50000 images in 1024 x 1024 matrix at 10/12 bits on the main system disk.	
2	The systems should support recording of images on compact discs/ DVD	
3	The system should be DICOM 3.0 (or higher version) ready (like send, receive, print, record on CD/DVD, acknowledge, etc.) for connectivity to any network, computer/ PC, etc. in DICOM format	
4	Vendor should connect this with existing LAN system and other laser cameras already existing in the department without any extra cost vii. System should be PACS/ HIS/ RIS interface ready	
I	Accessories:	
1	Dry Chemistry Camera. Should have 500 DPI and should print at least 3 sizes of films: 8x10, 14x17, 10x12 inches. 200 films of each size to be supplied.	
2	Online UPS along with batteries of appropriate rating to give 30min. back up to operate the complete system including X-Ray machine and Imager.	
3	Lead glass as per AERB norm and size 120 x 90 cm or more for console room	
4	Lead Aprons(0.5mm Lead equivalent) with hanger - 04Nos , Thyroid shields- 04, gonadal shields-02	
5	Radiation protection flaps	
6	Footstep for patient – 1 no.	
7	Hand grip	
8	Patient fixing belts and compression devices (for performing excretory urography)	
J	Essential certification:	
1	Radiation safety certificate: the offered model must have a valid AERB certificate at the time of submission of tender	
2	The equipment should have US FDA or European CE with four digit notified body number or BIS certified and certificate to be submitted.	
3	Regular QA according to AERB norms will be responsibility of bidder during warranty and CMC period.	
	Site Modification - Scope of Work – DRF	
	The scope of work includes complete Civil work, Electrical, Plumbing, Furnishing, Air-conditioning and Fire fighting for the construction of DRF Centre.	
	2. While preparing the plan, the following aspects have to be addressed.	
	a. Care should be taken to provide easy negotiation of the patient stretchers/ trolleys through corridors and doors.	
	b. Radiation shielding for doors, walls, windows etc.	
	c. Furniture like desk, chairs, shelves etc.	
	d. Patient stretcher and other furniture/ accessory to make the DRF centre functional.	

	Item No 2		
SN	DRF - Digital Flat Panel Fluoroscopy cum Radiography System		
	3. The cost of site modification for the area of 1000sq.ft and Air-conditioning of Tonnage 12 TR will be considered for Ranking / Evaluation purpose. However the payment will be paid on prorata based on the actual site modification area.		
	4. Moreover Bidders will have to quote the Unit Rates of the following components of site modification work.		
	a)Civil works		
	b)Electrical work		
	c)Public health (plumbing and sanitary fittings).		
	d)Air Conditioning (HVAC)	1	
	e)Interior Furnishing & Furniture		
	f)Miscellaneous		
	Scope of work for Site modification Work - DRF system:		
	The supplier should inspect the proposed site and submit all the detailed structural and architectural drawings and BOQ for the proposed DRF Centres along with technical bid of the tender.		
	The DRF CENTRE shall consist of the following rooms:		
	a) DRF Room	1	
	b) Console room		
	c) Equipment room		
	d) Patient preparation room cum change room		
	e) Patient waiting area		
	The actual area of Site modification works done will be considered for payment, based on the unit rates and site measurements		
1	Civil work		
	i. Civil construction work including construction of brick wall if any, plastering, flooring as per the approved plan and equipment layout plan.		
	ii. Concrete bed at DRF equipment area.		
	iii. Platform for unloading and shifting the DRF should be provided if necessary.	·	
	iv. Cable tray, trench & channel – necessary trenches, cable tray and channels at required location would be provided.		
	v. All the construction work to be done as per the final plan approved by the Consignee.		
	a. Flooring		
	i.600 x 600 mm vitrified tiles with 100mm tile skirting to match in console room, lobby and patient preparation areas, Radiologist room etc.	1	
	ii. 50 mm thick cement concrete flooring with Vinyl flooring in DRF equipment / UPS room.		
	b. Painting		
	Two coats Plastic Emulsion Paint over 2 coats of wall putty including primer in patient preparation area, patient waiting area, console room, DRF room & Equipment room etc.		

	Item No 2		
SN	DRF - Digital Flat Panel Fluoroscopy cum Radiography System		
	c. False Ceiling		
	Acoustical tile for ceiling with light weight insulating material of high quality supported on grid or finished seamless with support above ceiling. Finished with white paint or powder coated with white paint, if metallic. Ceiling height to suit the equipment mount and clearances.		
2	Plumbing work		
	All water pipes and fittings shall be of high density polythene of approved and standard make. The gratings shall be brass chrome plated. All plumbing accessories should be of standard make.		
3	Electrical work		
	a. The supplier shall be required to specify the total load requirements for the DRF centre including the load of air conditioning, room lighting and for the accessories if any.		
	b. The supply line will be provided by the Institute up to one point within the DRF centre. The distribution panel shall be provided by the vendor. Few lights in each room shall be connected to the UPS to provide emergency lighting.		
	c. The electrical work shall include the following:		
	i. Wiring – All interior electrical wiring- with main distribution panel board, necessary MCBs, DB, joint box, switch box etc. the wires shall be of copper of different capacity as per the load and should be renowned make as listed below.		
	ii. Switches light and power points should be of modular type and of standard make as listed below.		
	iii.General lights – LED light fitting with 500 Lux Illumination		
4	AIR CONDITIONING:		
	a. Package air conditioners units and split AC units may be used according to room requirement and suitability. Humidity control should be effective to eliminate moisture condensation on equipment surface. The Air conditioning should be designed with standby provision to function 24 hours a day.		
	b. The outdoor units of AC should have grill coverings to prevent theft and damage.		
	c. Ventilation is required in toilet.		
5	Environment specifications:		
	Relative Humidity range: To be maintained between 60% and 80% in all areas except equipment room which shall be as per requirement of the equipment.		
	Temperature ranges: 22 ± 2° C in all areas except equipment room which shall be as per requirement of the equipment.		
	Air conditioning load: The heat load calculations and maintaining the desired temperature and humidity shall be the responsibility of the bidder.		
6	Furniture:	_	
	a. Revolving chairs height adjustable, medium-back with hand-rest in the Control room, Radiologist room and viewing area. – 4 NO.S		

	Item No 2		
SN	DRF - Digital Flat Panel Fluoroscopy cum Radiography System		
	b. Chairs for patient waiting area – Three seater (chrome plated) 10 NO.S		
	c. Cupboard with laminate door shutters for storage of spare parts and accessories and records as per requirement. – 3 NO.S		
	d. Drug trolleys for patient preparation area. – 1 No.		
	e. Patient trolley with rubber foam mattress to be kept in the patient preparation room.		
	f. Name boards for all rooms		
	g. Tables for Workstation - 1 NO.		
	h. Changing rooms should have change lockers and dressing table.		
	i. Dustbins – 10 No's.		
	j. Deleted		
	All furniture items should be of standard make as mentioned in the table below.		
7	Miscellaneous:		
	a. LED X-ray Film viewer with adjustable brightness; capable of holding 3 films of 14"x17" size. – 3 no.s		
	b. Cabling of Network (LAN) connectivity for camera system, console system, workstation and computers etc.		
	c. Fire extinguisher Dry CO2 type as required for the building safety.		
	LIST OF ITEMS AND SUGGESTED MANUFACTURERS.		
	ITEMS PREFERRED MAKES		
Α	FLOORING VITRIFIED TILES - Somany, Kajaria , H&R Johnson, RAK india		
В	PAINT - Dulux, Asian Paints , Nerolac		
С	PLUMBING - Kohler, Jaguar , Grohe , Roca		
D	SANITARY ITEMS - CERA, Hindware, Parryware		
E	ELECTRICAL		
1	CABLES - Finolex, Havells ,V-Guard		
2	SWITCHES - Legrand, L&T, Crabtree , Roma		
3	DISTRIBUTION BOX , MCB - Legrand, L&T, Siemens, Havels		
4	LIGHT FITTINGS - Philips / Crompton / Wipro/ Syska		
F	AIR CONDINTIONING - Daikin, Hitachi, Blue Star, Voltas,		
G	FURNITURE - Hermen Miller , Godrej , Featherlite,Geeken		
	BOQ		
SL. No	Item Description	Qty	UOM
1	Digital Radiography Fluoroscopy System as per the Tender Specification	1	No
2	Post Processing Work Station	1	No
3	Dry Chemistry Camera as per specification	1	No
4	Online UPS	1	No
5	Lead Apron with Hanger	4	No
6	Lead apron stand	1	No

Item No 2				
SN	DRF - Digital Flat Panel Fluoroscopy cum Radiography System			
7	Thyroid Shields	4	No	
8	Gonadal Shields	2	No	
9	Radiation protection flaps	1	Set	
10	Footstep for patient	1	No	
11	Hand grip	1	LS	
12	Patient fixing belts and compression devices (for performing excretory urography)- 1 SET	1	LS	
	site modification work Work (1000 sq ft) as per specification			
1	Civil works	1000	Sq.ft.	
2	Electrical work	1000	Sq.ft.	
3	Public health (plumbing and sanitary fittings).	1000	Sq.ft.	
4	Air Conditioning	12	TR	
5	Interior Furnishing & Furniture	1000	Sq.ft.	
6	Miscellaneous	1	LS	
	Furniture:			
1	Revolving chairs height adjustable, medium-back with hand-rest.	4	No	
2	Chairs for patient waiting area – Three seater (chrome plated)	10	No	
3	Cupboard with laminate door shutters	3	No	
4	Drug trolleys for patient preparation area.	1	No	
5	Patient trolley with rubber foam mattress	2	No	
6	Tables for Workstation and Radiologist .	2	No	
7	Changing rooms (with change lockers and dressing table).	1	Set	
8	Dustbins	10	No	
9	Room Signage	1	LS	
10	Venetian Blinds	1	LS	
	Miscellaneous:			
1	LED X-ray Film viewer	2	No	
2	Cabling of Network (LAN) connectivity for camera system, console system, workstation and computers etc	1	LS	
3	Dry chemical power type fire extinguisher of 5kgs capacity	3	No	
4	Lead glass for console room	1	No	
	Toilet (Optional) - 1	1	No	

	Item No. 3	
SN	800mA Digital X-Ray unit with Single Detector	
<u> </u>	Unit should be high frequency digital radiography system with rotating anode X-Ray tube fitted on a versatile U/C-arm or versatile Ceiling Suspended system along with single flat panel detector, table generator and operator console. The system should be able to perform various radiography in supine & erect positions including standard chest radiography PA view	
1	High frequency Generator:	
	a. Generator should be of latest technology with high frequency X-ray generator	
	b. Constant power output of 80 KW or more	
	c. X-ray: KV range should be 40 to 150KV in 1KV increments.	
	d. X-ray current: mA 800 or more.	
	e. mAs range should be 10 to 800mAs or more.	
	f. It should have automatic exposure control device.	
2	X Ray Tube	
	a. A dual focus rotating anode x-ray tube. Anode rotational speed must be 8000rpm or more. The tube rotation of 90 degree should be available.	
	b. Small focus 0.6mm Sq.	
	c. Large focus 1.2mm Sq.	
	d. Anode heat storage capacity 300KHU or more.	
	e. Multileaf collimator having bright light source and auto shut-off provision of the light.	
	f. Collimator must be mounted on X-ray tube and collimator must have an integrated dose area product (DAP) meter. Output of DAP meter should be visible in console	
	g. Display of SID and other parameters like tube angle with touch screen control.	
3	Digital Detector	
	The detector should be of solid state flat detector of latest technology. The material of detector should be amorphous silicon with Cesium lodide as scintillator.	
	b. The size of detector should be 40cmx40cm or more	
	c. The pixel size should be 200 microns or less.	
	d. Active matrix should be 2k x 2k or more	
	e. The resolution should be minimum of 2.5lp/mm up to 5lp/mm.	
	f. Image depth should be 12 bit or more.	
	g. DQE at 0.5lp/mm should be at least 65%	
4	Radiographic table	
	a. Mobile table with brakes.	
	b. Table must be of following dimension:	
	§ Length 1800mm or more.	

	Item No. 3	
SN	800mA Digital X-Ray unit with Single Detector	
	§ Width 600mm or more.	
	§ Height 650mm or more.	
	c. Locks should be available for safety purpose.	
	d. Maximum weight carrying capacity for the table should be more than 150Kg.	
	e. Table top should be of Carbon Fibre or equivalent Radiolucent material.	
5	Automatic U/C Arm Positioner or Automatic Ceiling Suspended system with control unit	
	a. Counter balanced U/C Arm stand should be provided. In case of ceiling suspened system,it should have floor mounted column stand	
	b. U/C arm or Ceiling Suspended System must facilitate a rotation of at least through 120 degree or more	
	c. Range of detector rotation should be 90 degree or more.	
	d. U/C arm or Ceiling Suspended System must have facility to mount a focused stationary grid.	
	e. Dosimetry kV, mA, tube angle position display should be available at X-ray tube side as well console.	
	f. Source to Image distance must be 1000mm to 1800mm to cover full range of radiographic application.	
6	Image acquisition and Processing work station	
	The system should have console for image acquisition, image processing, patient demography, and study data entry as well as for generator parameters and exposure details.	
	Microphone and speaker for communicating with patient	
	The console must provide full amount of post processing features like geometric corrections window/level, algorithm, annotations such as markers, predefined text, drawing line and Geometric shape, measurement of distance and angles, histogram, zoom, gray scale reversal.	
	It should be fully DICOM 3.0 compliant.	
	It should get DICOM work list from HIS/RIS, storage images through PACS network system and should support DICOM image print and DICOM MPPS.	
	Application related software like black border/black masking should be available.	
	Image storage capacity of 10,000 images or more.	
	All software updates should be provided in warranty & CMC period.	
7	Stand Alone Review Station: Latest PC based workstation for management of images and studies. PC Specs: Processor Core i5, 8GB RAM, 2TB HDD, DVDRW, KeyBoard, Mouse, etc with 24"Medical Grade Monitor of 3MP resolution.	

	Item No. 3	
SN	800mA Digital X-Ray unit with Single Detector	
	The review station must provide full amount of post processing features like geometric corrections window/level, algorithm, annotations such as markers, predefined text, drawing line and Geometric shape, measurement of distance and angles, histogram, zoom, gray scale reversal.	
	Multi format Filming function should be available with review station & console	
8	Dry Imager (for film printing)	
	a. The system must be a Dry imager	
	b. The system must be DICOM 3.0 ready.	
	c. The system must be able to process up to 75films/hour (minimum) depending on the size.	
	d. The system must deliver its first film within 80 seconds from requested.	
	e. The system should have 500 DPI and should print at least 3 sizes of films: 8x10, 14x17, 10x12 or 11x14 inches. 200 films of each size to be supplied.	
	f. The system must have contrast resolution of 12bits/pixel or more.	
9	Accessories	
	a. Suitable Online UPS with 30minutes back up for the console , review station and Imager should be provided.	
	b. Suitable voltage stabilizer servo controlled for the entire system	
	c. Light weight zero lead radiation protection apron with hanger (4 Nos)	
	d. Footsteps for the table (01 no)	
	e. Lead glass min (1.7mm Lead Equivalent) for Console 90 x 90 cm or more	
	f. Gonadal Shield (02 Nos)	
	g. Thyroid shield (02 Nos)	
10	Approvals:	
i	The equipment should have US FDA or European CE with four digit notified body number or BIS certified and certificate to be submitted.	
ii	Regular QA according to AERB norms will be responsibility of bidder during warranty and CMC period.	
iii	The system should be AERB type approved and the copy of ELORA Listing should be submitted along with bid.	
	The Site Modification Work - Scope of Work - DR	
	Site Modification will be site specific.	
	The scope of work includes complete Civil work, Electrical, Plumbing, Furnishing, Air-conditioning and Fire fighting for the construction of DR Centre.	
	2. While preparing the plan, the following aspects have to be addressed.	
	Care should be taken to provide easy negotiation of the patient stretchers/ trolleys through corridors and doors.	
	b. Radiation shielding for doors, walls, windows etc.	
	c. Furniture like desk, chairs, shelves etc.	
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	Item No. 3	
SN	800mA Digital X-Ray unit with Single Detector	
	d. Patient stretcher and other furniture/ accessory to make the DR centre functional.	
	3. The cost of Site modification Work for the area of 1000sq.ft and Airconditioning of Tonnage 12 TR will be considered for Ranking / Evaluation purpose. However the payment will be paid on prorata based on the actual site modification area.	
	Moreover Bidders will have to quote the Unit Rates of the following components of Site Modification Work	
	Civil works	
	Electrical work	
	Public health (plumbing and sanitary fittings).	
	Air Conditioning (HVAC)	
	Interior Furnishing & Furniture	
	Miscellaneous	
	Scope of work for site modification work DR system:	
	The scope of work includes complete Civil work, Electrical, Plumbing, Furnishing, Air-conditioning and Fire fighting for the construction of DR Centre.	
	The DR CENTRE shall consist of the following rooms:	
	DR Room	
	Console room & review	
	Equipment room	
	Patient preparation/change room	
	Patient waiting area	
	The actual area of site modification work done will be considered for payment, based on the unit rates and site measurements	
	1. Civil work	
	i. Civil construction work including construction of brick wall if any, plastering, flooring as per the approved plan and equipment layout plan.	
	ii. Concrete bed at DR equipment area.	
	iii. Platform for unloading and shifting the DR should be provided if necessary.	
	iv. Cable tray, trench & channel – necessary trenches, cable tray and channels at required location would be provided.	
	v. All the construction work to be done as per the final plan approved by the Consignee.	
	a. Flooring	
	i. 600 x 600 mm vitrified tiles with 100mm tile skirting.	
	ii. 50 mm thick cement concrete flooring with Vinyl flooring in DR equipment / UPS room.	
	b. Painting	
	I · · · · · · · · · · · · · · · · · · ·	

	Item No. 3	
SN	800mA Digital X-Ray unit with Single Detector	
	Two coats Plastic Emulsion Paint over 2 coats of wall putty including primer in patient preparation area, Lobby area, console room, DR room & Equipment room etc.	
	c. False Ceiling	
	Acoustical tile for ceiling with light weight insulating material of high quality supported on grid or finished seamless with support above ceiling. Finished with white paint or powder coated with white paint, if metallic. Ceiling height to suit the equipment mount and clearances.	
	2. Plumbing work	
	deleted	
	3. Electrical work	
	a. The supplier shall be required to specify the total load requirements for the DR centre including the load of air conditioning , room lighting and for the accessories if any.	
	b. The supply line will be provided by the Institute up to one point within the DR centre . The distribution panel shall be provided by the vendor. Few lights in each room shall be connected to the UPS to provide emergency lighting.	
	c. The electrical work shall include the following:	
	i. Wiring – All interior electrical wiring- with main distribution panel board, necessary MCBs, DB, joint box, switch box etc. the wires shall be of copper of different capacity as per the load and should be renowned make as listed below.	
	ii. Switches light and power points should be of modular type and of standard make as listed below.	
	iii. General lights – LED light fitting with 500 Lux Illumination	
	4. AIR CONDITIONING:	
	a. Package air conditioners units and split AC units may be used according to room requirement and suitability. Humidity control should be effective to eliminate moisture condensation on equipment surface The Air conditioning should be designed with standby provision to function 24 hours a day.	
	b. The outdoor units of AC should have grill coverings to prevent theft and damage.	
	c. Ventilation is required in toilet.	
	5. Environment specifications:	
	Humidity range: Relative humidity 60% and 80% in all areas except equipment room which shall be as per requirement of the equipment.	
	Temperature ranges: 22 ± 2° C in all areas except equipment room which shall be as per requirement of the equipment.	
	Air conditioning load: The heat load calculations and maintaining the desired temperature and humidity shall be the responsibility of the bidder.	

	Item No. 3		
SN	800mA Digital X-Ray unit with Single Detector		
	6. Furniture:		
	a. Revolving chairs height adjustable, medium-back with hand-rest in the Control room, Radiologist room and viewing area. – 4 NO.S		
	b. Chairs for patient waiting area – Three seater (chrome plated) 10 NO.S		
	c. Cupboard with laminate door shutters for storage of spare parts and accessories and records as per requirement. – 3 NO.S		
	d. Drug trolleys for patient preparation area. – 1 No.		
	e. Patient trolley with rubber foam mattress to be kept in the patient preparation room.		
	f. Name boards for all rooms		
	g. Tables for console & review station - 2 NO.		
	h. Changing rooms should have change lockers and dressing table.		
	i. Dustbins – 10 No's.		
	j. Any other essential furniture item as per requirement.		
	All furniture items should be of standard make as mentioned in the table below.		
	7. Miscellaneous:		
	a. LED X-ray Film viewer with adjustable brightness; capable of holding 3 films of 14"x17" size. – 3 no.s		
	b. Cabling of Network (LAN) connectivity for camera system, console system, workstation and computers etc.		
	c. Fire extinguisher Dry CO2 type as required for the building safety.		
	LIST OF ITEMS AND SUGGESTED MANUFACTURERS.		
	ITEMS PREFERRED MAKES		
Α	FLOORING VITRIFIED TILES - Somany, Kajaria , H&R Johnson, RAK india		
В	PAINT - Dulux, Asian Paints , Nerolac		
С	PLUMBING - Kohler, Jaguar , Grohe , Roca		
D	SANITARY ITEMS - CERA, Hindware, Parryware		
Е	ELECTRICAL		
1	CABLES - Finolex, Havells ,V-Guard		
2	SWITCHES - Legrand, L&T, Crabtree , Roma		
3	DISTRIBUTION BOX , MCB - Legrand, L&T, Siemens, Havels		
4	LIGHT FITTINGS - Philips / Crompton / Wipro/Syska		
F	AIR CONDINTIONING - Daikin, Hitachi, Blue Star, Voltas,		
G	FURNITURE - Hermen Miller , Godrej, Featherlite, Geeken		
	BOQ	Qty	UOM
SI No	Item Description		
1	800mA X-Ray unit with Single Detector as per the Tender Specification (Point 1 to 6)	1	No

	Item No. 3			
SN	800mA Digital X-Ray unit with Single Detector			
2	Point 7: Dry Imager (for film printing) with 200 films of each size.	1	No	
3	Stand Alone Review Station	1	No	
4	Point 8: Accessories			
	a. Online UPS as per specification	1	No	
	b. Suitable voltage stabilizer servo controlled for the entire system	1	No	
	c. Light weight zero lead radiation protection apron with hanger.	4	No	
	d. Footsteps for the table	1	No	
	e. Lead glass 90 x 90 cm	1	No	
	g. Gonadal Shield	2	No	
	h. Thyroid shield	2	No	
	Site Modification Work (1000 sq ft) as per specification			
1	Civil works	1000	sq ft	
2	Electrical work	1000	sq ft	
3	Public health (plumbing and sanitary fittings).	1000	sq ft	
4	Air Conditioning	12	TR	
	Furniture:			
1	Revolving chairs height adjustable, medium-back with hand-rest.	4	No	
2	Chairs for patient waiting area – Three seater (chrome plated)	10	No	
3	Cupboard with laminate door shutters	3	No	
4	Drug trolleys for patient preparation area.	1	No	
5	Patient trolley with rubber foam mattress	2	No	
6	Tables for console & review station	2	No	
7	Changing rooms (with change lockers and dressing table).	1	set	
8	Dustbins	10	No	
9	Room Signage	1	LS	
10	Venetian Blinds	1	LS	
	Miscellaneous:			
1	LED X-ray Film viewer	2	No	
2	Cabling of Network (LAN) connectivity for camera system, console system, workstation and computers etc	1	LS	
3	Dry chemical power type fire extinguisher of 5kgs capacity	3	No	

	Item No 4	
SN	Computed Radiography Unit with Dry Imager	
	Computed Radiography must be a state of the art system manufactured by a reputed brand or manufacturer adhering to following specifications. CR system should broadly comprise of following modules/ components:	
	Image recording system (cassettes & reading plates)	
	Image reading system (reader/ digitizer)	
	Identification & CR processing workstation.	
	Dry imager.	
1	Image recording system (cassettes & imaging plates).	
	The following sizes of radiography cassettes along with image plates should be supported by the unit.	
	a. 35 cm X 43 cm or 14" X 17": 2 nos.	
	b. 24 cm X 30 cm or 10" X 12": 2.nos.	
	c. 18 cm X 24 cm or 8" X 10": 2 nos.	
	d. Mammography cassette 18 X 24cm: 1 nos.(Optional)	
	e. Mammography cassette 24 X 30cm: 1 nos.(Optional)	
2	Image reader (CR reader/ digitizer)	
	a. The CR reader / digitizer should be able to process 60 image plates/hr or more of the largest size cassette	
	b. CR reader / digitizer must be able to handle phosphor image plates. CR reader capable of handling latest Dual side /needle/structured/ columnar image plates will be preferred.	
	c. It should have a resolution of 6 pixels/mm (minimum) for standard resolution cassettes & 10 pixel/mm (minimum) for high resolution cassette reading.	
	d. Digitiser must have a resolution of 20 pixel/mm(minimum) for screening mammography.	
	e. It should have input -output buffer/ stacker that can load at least 4 cassettes at least.	
	f. Gray scale resolution: CR reader / digitizer should have a minimum resolution of 12bits/ pixel for images sent to CR processing station.	
3	Identification Station & processing server	
	a. The main console must have 4GB or more RAM, and 1 TB Hard Drive and 19 inch clinical grade monitor. The work station should have RAID configuration Hard Disk and 19" monitor.	
	b. Processing server capable of identification of patient demographics to the acquired images will be preferred, else a separate identification station must be provided.	

	Item No 4	
SN	Computed Radiography Unit with Dry Imager	
	c. The server and /or ID station must be DMWL (DICOM modality worklist) compliant to access patient and study data from HIS or RIS.	
	d. It should provide display of acquired images with greater details of demographics viz. patient/ study listing for easy access	
	e. The server must provide full amount of post processing features viz. geometric corrections, window level algorithms, annotation like markers, predefined text, drawing lines and geometrical shapes, multiscale image processing, measuring distance and angles, shuttering, histograms, zoom, grey scale reversal, edge enhancement, noise reduction, indication of gray scale saturation level, latitude reduction etc.	
	f. It should facilitate full-fledged DICOM printing and should be able to print multiple formats of patient study.	
	g. Should be able to send DICOM images to DICOM workstation or PACS without loss of information	
	h. Should be equipped with DICOM CD writer for transferring image	
	i. Should be able to store image on external device viz. CD or pen drive etc.	
	j. The system should have a facility to indicate over /under exposure in the preview screen. Kindly specify the image preview time.	
	k. The software must have dedicated paediatric and mammography image processing.	
4	Dry imager	
	The system must have a dry imager without need of any wet chemistry	
	b. It must be DICOM 3.0 compatible allowing multiple modalities to be connected at a time	
	c. The system must be able to print at least 60 films/ hr of the largest size	
	d. The system must deliver its first film within 80 seconds from the request sent	
	e. The imager must have spatial resolution of 500 dpi minimum	
	f. The system must have contrast resolution of 14 bits/ pixel or more. The system must have at least three online film sizes and should be capable of printing any of the 8" X 10", 10" X 12", 14" X 17" films.	
	g. The imager should support daylight loading of films.	
	h. 500 Nos. Of film of each size should be supplied	
5	Suitable UPS with 15 minutes backup for the whole system	

Item No 4			
SN	Computed Radiography Unit with Dry Imager		
6	The unit Should have US FDA or European CE with four digit notified body number certificate and certificate to be submitted.		
	BOQ	Qty	UOM
1	CR UNIT, as specified	1	No
2	35 cm X 43 cm or 14" X 17"	2	No
3	24 cm X 30 cm or 10" X 12":.	2	No
4	18 cm X 24 cm or 8" X 10":	2	No
5a	Mammography cassette 18 X 24 cm: 1 nos.(Optional)	1	No
5b	Mammography cassette 24 X 30cm: 1 nos.(Optional)	1	No
6	Dry imager	1	No
7	Film 14" X 17"	500	No
8	Film 10" X 12"	500	No
9	Film 8" x 10"	500	No
10	UPS with batteries	1	LS

	Item No 5	
SN	Computed Radiography Unit Single Loader	
	Computed Radiography must be manufactured by a reputed brand or manufacturer adhering to following specifications. CR system should broadly comprise of following modules/components:	
a)	Image recording system (cassettes & reading plates)	
b)	Image reading system (reader/ digitizer).	
c)	Identification & CR processing workstation.	
d)	Dry imager.	
1	Image recording system (cassettes & imaging plates).	
	The following sizes of radiography cassettes along with image plates should be supported by the unit. (unit rate of the film should be quoted by the bidder and it should be valid during the warranty period,200 nos of each film-size should be supplied with the unit as per BOQ)	
	a. 35 cm X 43 cm or 14"X 17"	
	b. 24 cm X 30 cm or 10" X 12"	
	c. 18 cm X 24 cm or 8"X 10"	
2	Image reader (CR reader/ digitizer) Single loader	
	a. The CR reader / digitizer should be able to process 30 image plates/hr or more of the largest size cassette	
	b. CR reader / digitizer must be able to handle phosphor image plates.	
	c. It should have a resolution of 5 pixels/mm (minimum) for standard resolution cassettes & 10 pixel/mm (minimum) for high resolution cassette reading.	
	d. Digitiser must have a resolution of 10 pixel/mm (minimum).	
3	Identification Station & processing server	
	The main console must have 1GB or more RAM, and 500GB Hard Drive and 19 inch clinical grade monitor.	
	b. The server and /or ID station must be DMWL (DICOM modality worklist) compliant to access patient and study data from HIS or RIS.	
	c. It should provide display of acquired images with greater details of demographics viz. patient/ study listing for easy access	

	Item No 5		
SN	Computed Radiography Unit Single Loader		
	d. The server must provide full amount of post processing features viz. geometric corrections, window level algorithms, annotation like markers, predefined text, drawing lines and geometrical shapes, multi-scale image processing, measuring distance and angles, shuttering, histograms, zoom, grey scale reversal, edge enhancement, noise reduction, indication of gray scale saturation level, latitude reduction etc.		
	e. It should facilitate full fledged DICOM printing and should be able to print multiple formats of patient study.		
	f. Should be able to send DICOM images to DICOM workstation or PACS without loss of information		
	g. Should be equipped with DICOM CD writer for transferring image		
	h. Should be able to store image on external device viz. CD or pen drive etc.		
	i. The system should have a facility to indicate over /under exposure in the preview screen.		
4	Dry imager		
	a. The system must have a dry imager without need of any wet chemistry		
	b. It must be DICOM 3.0 compatible allowing multiple modalities to be connected at a time		
	c. The system must be able to print at least 30 films/ hr of the largest size		
	d. The imager must have spatial resolution of 500 dpi minimum		
	e. The system must have contrast resolution of 12 bits/pixel or more. The system should be capable of printing the 8" X 10", 10" X 12", 14" X 17" films.		
	f. The imager should support daylight loading of films.		
	Added Para: It should have minimum 2 online trays		
	5. Suitable online UPS back up must be provided for 15 minutes backup for the whole system		
	6. The unit should be US FDA or European CE approved.		
	7. The necessary trolley/table/furniture must be provided by the bidder to keep workstation and unit.		
SN.	Item Description	Qty	UOM
1	Para 1: Cassetts		
1.1	35 cm X 43 cm or 14"X 17"	1	No
1.2	24 cm X 30 cm or 10" X 12"	1	No

Item No 5			
SN	Computed Radiography Unit Single Loader		
1.3	18 cm X 24 cm or 8"X 10"	1	No
1.4	14"X 17" film	200	No
1.5	10"X 12" film	200	No
1.6	8"X 10" film	200	No
2	Para 2 & 3: CR Unit (Reader with workstation)	1	No
3	Para 4: Dry Imager	1	No
4	Para 5: Online UPS	1	No
5	Para 7: Furniture	1	LS

Item No 6

SN	Colour Doppler - 2D	
OIT	·	
	The equipment must be capable of operating in B, M, Doppler, Colour flow and Power Doppler modes. It must support transducers with linear, sector and convex formats. Further, it must include a full array of measurement and calculation packages. The specific minimum requirements for this equipment are as follow.	
1	User Interface & Ergonomics	
1.1	The system shall support backlight keys or provide an integrated light for ease of use in darkened work areas.	
1.2	The system shall include at least a 17" LCD monitor to allow for both excellent images viewing as well as providing for workflow and productivity features.	
1.3	The system shall have three active universal probe ports in a convenient, easy to access location to maximize the availability of needed probes.	
2	Productivity	
2.1	The system shall offer an extended field-of-view imaging that operates by sweeping a transducer over the anatomy of interest. This mode shall build the extended field-of-view in a real-time manner, showing the image as it builds.	
2.2	System shall have image management features that store images by patient and include the ability to review images from different exam dates.	
2.3	Deleted	
2.4	System shall allow for live image and archive images side-by-side or quad display on a single monitor. This display shall allow any type of image – B-Mode, Color, or power Doppler on either side.	
2.5	The system shall display thumbnails on a clipboard while scanning to facilitate exams.	
2.6	System should be able to reconstruct 3D image using 2D probe	
3	Tissue Harmonic imaging should be available as standard feature.	
4	Post-acquisition Data Processing.	
4.1	deleted	
4.2	The system shall provide a display zoom function on frozen images.	
6	Scanning Parameters	
6.1	The system shall provide the ability to scan in the compound imaging mode with multiple lines on all linear and convex probes.	
	The system shall provide scan depths from a minimum of 2 cm to a maximum of at least 30 cm.	
	System should have minimum of 17,000 Digital Channels for better resolution.	
	System should have Dynamic Range of atleast 170 Db.	i

Item No 6

SN Colour Doppler - 2D			
7	M-Mode Imaging		
•	The system shall have a facility allowing the M-Mode cursor to be adjustable in any plane and allow for accurate measurements. The M-mode shall be available from a CINE loop or live image.		
8	Spectral Doppler (PW)		
8.1	Doppler mode shall be available on all probes.		
8.2	The Doppler cursor shall be user-steerable with linear transducers.		
8.3	The system shall provide the user with control to either have Doppler with real time B-Mode, Doppler with periodic B-Mode update or Doppler with frozen B-Mode scanning.		
8.4	The system shall provide stereo audio of the Doppler spectral signal.		
8.5	The system shall provide the user with control during timeline replay to review the spectrum only (i.e., frozen B-Mode) or with the spectrum and B-Mode together and synchronized.		
8.6	The system shall provide the user with the ability to add a spectral peak and spectral mean trace onto the spectrum in both real time or after freezing the image.		
9	Measurements and Calculations		
9.1	The system shall provide digital calipers for at least the following measurements:		
a)	Depth & Distance		
b)	Circumference		
c)	Area		
d)	Volume		
e)	Velocity		
f)	Resistive index (RI)		
9.2	All measurements should be possible on frozen images as well as on images recalled from the image archive.		
9.3	The system shall provide a comprehensive set of obstetrical and gynaecologic calculations and vascular calculations with summary reports.		
10	Image Archive and Networking		
10.1	The device should store images onto an integrated DVD-R Multridrive and a USB port storage device.		
10.2	The system shall include at least 100 GB of dedicated hard drive for large local storage capacity, with 20000 image storage capacity or more.		
11	DICOM Connectivity should be a standard feature and Machine should be able to connect with any RIS/HIS		
12	Standalone PC (Windows based) with suitable DICOM viewer, suitable colour inkjet printer with refillable ink tank to be supplied.		
13	Transducers (freq tolerance: ± 1 MHz)		

SN	Colour Doppler - 2D		
a)	Convex Probe with biopsy attachment. : 2 - 6 MHz		
b)	Transvaginal / Intracavitary Probe with Biopsy attachment.: 4- 9 MHz		
c)	Linear Probe with biopsy attachment. : 5 – 12 MHz		
d)	Sector Probe (TCD):2-4MHz (Optional)		
e)	Pediatrics micro convex probe (Optional)		
14	The unit should have US FDA or European CE with four digit notified body number certificate and certificate to be submitted.		
15	Suitable UPS with 30 minute backup for whole system.		
SI.No	BOQ	Qty	UOM
1	COLOUR DOPPLER SYSTEM , as specified	1	No
2	Convex Probe with biopsy attachment. : 2 - 6 MHz	1	No
3	3. Transvaginal / Intracavitary Probe with Biopsy attachment.: 4- 9 MHz - 1 no.	1	No
4	Linear Probe with biopsy attachment. : 5 – 12 MHz - 1 no	1	No
5	Contan Bush of TOD's 2 AMILE (Outloand) And	4	Nia
	Sector Probe (TCD): 2-4MHz (Optional) - 1 no	1	No
6	Pediatrics micro convex probe (Optional)	1	No
-	, , , , , ,		
6	Pediatrics micro convex probe (Optional)	1	No

High End State-of-art Colour Doppler Equipment	SI.		
The equipment must be capable of operating in B, M, Doppler, Color flow and Power Doppler modes, Contrast microbubble ultrasound & 4D Volume Scanning capabilities. It should support transducers with linear, sector, convex and volume formats. Further, it must include a full array of measurement and calculation packages. The specific minimum requirements for this equipment are as follow. 1		Color Doppler System - (4D)	
It should support transducers with linear, sector, convex and volume formats. Further, it must include a full array of measurement and calculation packages. The specific minimum requirements for this equipment are as follow. 1 User Interface & Ergonomics 1.1 The keyboard should have Height adjustment. The adjustment should also include Keyboard rotation 1.2 The system shall support backlight keys or provide an integrated light for ease of use in darkened work areas. The backlighting shall simplify ease of use and indicate function selected. 1.3 The system shall include at least a 21" LCD/LED monitor for both excellent image viewing as well as providing for workflow and productivity features. 1.4 The LCD monitor shall be mounted on an articulating arm that moves side-to-side, forward and backward. 1.5 The unit shall have gel warmer as attachment for the comfort of the patient. 1.6 The system shall have minimum Four active probe Ports in a convenient, easy to access location to maximize the availability of needed probes. 2 Productivity 1.7 The system shall offer an extended field-of-view imaging that operates by sweeping a transducer over the anatomy of interest. This mode shall build the extended field-of-view in a real-time manner, showing the image as it builds. 2.2 System shall allow for live image and archive images side-by-side or quad display on a single monitor. This display shall allow any type of image – B-Mode, Colour, or power Doppler on either side. 3 Workflow 3.1 deleted		High End State-of-art Colour Doppler Equipment	
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1.3 well as providing for workflow and productivity features. 1.4 The LCD monitor shall be mounted on an articulating arm that moves side-to-side, forward and backward. 1.5 The unit shall have gel warmer as attachment for the comfort of the patient. 1.6 The system shall have minimum Four active probe Ports in a convenient, easy to access location to maximize the availability of needed probes. 2 Productivity The system shall offer an extended field-of-view imaging that operates by sweeping a transducer over the anatomy of interest. This mode shall build the extended field-of-view in a real-time manner, showing the image as it builds. 2.2 System shall have image management features that store images by patient and include the ability to review images from different exam dates. 2.3 deleted System shall allow for live image and archive images side-by-side or quad display on a single monitor. This display shall allow any type of image – B-Mode, Colour, or power Doppler on either side. 3 Workflow 3.1 deleted	1.2	darkened work areas. The backlighting shall simplify ease of use and indicate function	
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2.4 monitor. This display shall allow any type of image – B-Mode, Colour, or power Doppler on either side. 3 Workflow 3.1 deleted	2.3	deleted	
3.1 deleted	2.4	monitor. This display shall allow any type of image – B-Mode, Colour, or power Doppler on	
	3	Workflow	
4 Real-time 3D / 4D Imaging Capabilities.	3.1	deleted	
	4	Real-time 3D / 4D Imaging Capabilities.	
5 Elastography should be available in Linear Probe	5	Elastography should be available in Linear Probe	
6 Contrast Ultrasound Capability (CEUS)	6	Contrast Ultrasound Capability (CEUS)	
7 Tissue Harmonic imaging and spatial compounding technique should be available.	7	Tissue Harmonic imaging and spatial compounding technique should be available.	
8 Data Processing.	8	Data Processing.	
8.1 The system shall allow following Post Storage image manipulation	8.1	The system shall allow following Post-Storage image manipulation	

SI. No	Color Doppler System - (4D)	
а	Overall B-Mode gain and gray scale maps.	
b	Overall Doppler gain, sweep speed and inverted spectral waveform.	
С	Anatomical M-Mode	
8.2	The system shall provide a display zoom function on frozen images.	
9	Scanning Parameters	
9.1	The system should have minimum 65,000 digital system processing channels.	
9.2	The system shall possess the ability to control speckle through the use of a speckle reduction algorithm that enhances borders, reduces speckle artifact and improves detail and contract resolution in gray scale with compatibility in Colour mode, 3D and side-by-side display. This feature shall have operator selectable settings and be capable of displaying in side-by-side mode with non-speckle reduced image.	
9.3	The system shall provide the ability to scan in the compound imaging mode with 7 lines or more on all linear and convex probes.	
9.4	The system shall provide scan depth of 2 - 30 cm or more	
10	B-Mode / M-mode Imaging	
	The system shall provide the capability for coded tissue harmonic imaging on all offered transducers.	
	The system shall have an —anatomical M-Mode – allowing the M-Mode cursor to be adjustable in any plane and allow for accurate measurements.	
11	Colour flow/Power Doppler	
12	Spectral Doppler (PW)	
13	Measurements and Calculations	
13.1	Measurements should be possible on frozen images as well as on images recalled from the image archive.	
13.2	The system shall provide a comprehensive set of obstetrical and gynaecologic calculations and vascular calculations with summary reports.	
14	Image Archive and Networking	
14.1	The device should store images onto an integrated DVD-R Multi-drive and a USB port storage device.	
14.2	The system shall include at least 500 GB hard drive with minimum 20000 image storage capacity.	
14.3	The device should store images in DICOM, JPG, WMV and AVI formats for maximum flexibility.	
15	DICOM Connectivity: DICOM Connectivity should be a standard feature with the hospital network and a stand-alone PC (Windows based) with suitable DICOM viewer to be supplied & suitable Laser Colour Printer	
	Standalone PC (Windows based) with suitable DICOM viewer, suitable colour inkjet printer with refillable ink tank to be supplied.	
16	Transducers (freq tolerance: ± 1 MHz)	

SI. No	Color Doppler System - (4D)		
	a. Convex, with biopsy attachment. Operating Frequency: 2 - 5 MHz		
	b. Linear, with biopsy attachment. Operating Frequency: 5 – 13 MHz		
	c. Trans-vaginal Probe with Biopsy attachment, OperatingFrequency : 4-9 MHz		
	d. 3D / 4D Volume Convex Probe of frequency of probe: 1 to 5MHz $$ with post processing softwares such as MPR, SSD $$		
	e. Pediatric micro convex probe for Neurosonogram 5-8MHz		
	f. Sector Probe (TCD):2-5Mhz (Optional)		
17	Suitable UPS for a 30 minute backup for whole system.		
18	The system should have US FDA or European CE with four digit notified body number certificate and certificate to be submitted.		
SI No	BOQ	Qty	UOM
1	COLOUR DOPPLER SYSTEM , as specified	1	No
2	Convex, with biopsy attachment. Operating Frequency: 2 - 5 MHz	1	No
3	Linear, with biopsy attachment. Operating Frequency: 5 – 13 MHz	1	No
4	Trans-vaginal Probe with Biopsy attachment, Operating Frequency : 4-9 MHz - 1 no.	1	No
5	3D / 4D Volume Convex Probe of frequecy 1 to 5 MHz with post processing softwares such as MPR, SSD.	1	No
6	Pediatric micro convex probe for Neurosonogram (5-8MHz) - 1 no	1	No
7	Sector Probe (TCD):2-5Mhz (Optional)	1	No
8	Suitable UPS for a 30 minute backup for whole system.	1	No
9	Stand alone PC (Windows based) with suitable DICOM viewer,	1	No
10	Colour inkjet printer with refillable ink tank	1	No
11	Suitable Laser Colour Printer	1	No

	item No 8	
SI. No	Portable - Colour Doppler	
	The latest model portable USG Doppler unit should be quoted. This machine should be capable and will be required to function clinically as standalone systems.	
1	Fully digital portable ultrasound machine with provision for Doppler examinations.	
2	The unit should be compact, lightweight and portable. Weight should not exceed 7.5kg including battery (excluding cart and accessories).	
3	It should be suitable for abdominal, small parts and vascular applications in adults and paediatric patients. Multiple preloaded as well as user configurable application presets should be available.	
4	Minimum grey scale resolution to be 256	
5	Scanning depth to be 24 cm or more.	
6	The system to have a dynamic range of 165 decibels or more.	
7	The system should support Convex , Linear probes and endocavitary probe.	
8	Transducers (Frequency tolerance ±1 MHz)	
	a. Convex electronic phased array transducer: 2-6 MHz for abdominal imaging.	
	b. Linear transducer: 5-12MHz MHz for vascular and small part imaging.	
	c. Endocavitary probe (5-9MHz) with 120 deg FOV or more .	
9	All transducers should be lightweight digital broadband type transducers	
10	The system should have a frame rate of at least 300 frames per second (fps) in B mode.	
11	The system should have an ergonomic full alphanumeric soft keys keyboard with easy access scans controls and trackball/track pad or the system should have touch panel screen .	
12	The system must have integrated high resolution TFT /LCD/LED of 11" or more	
13	The system should have cine loop review facility of not less than 20 sec/1000 frames.	
14	The system should have the facility of digital storage and retrieval of B/W and colour image data on USB and LAN transfer of data should also be present.	

<u>.</u>	item NO o		
SI. No	Portable - Colour Doppler		
15	Imaging modes of Real time 2D, Colour Doppler, Pulsed wave Doppler and Power (energy) Doppler, Tissue Harmonic Imaging and spatial compounding		
16	Controls for 2D mode: Total gain, depth, TGC, dynamic range, acoustic power output.		
17	Controls for Colour Doppler: PRF, colour gain, position and size of ROI, steering of ROI, colour maps and colour invert.		
18	Controls for pulsed Doppler: variable sample volume size from 1 to 5mm or more, steer, PRF, baseline, gain angle correction, spectral invert, duplex on/off.		
19	Measurements for 2D mode: Multiple distances, area and volume.		
20	Measurements for Doppler modes: Stenosis quantification in area percentage, diameter, PSV, EDV, mean, PI, RI, acceleration time and index. Automatic and manual measurements and display of pulsed Doppler calculations should be possible.		
21	System should have DICOM 3.0		
22	The system should be able to store at least 5000 Images.		
23	Unit should function with 200-240 V, 50 Hz AC, 5 amp power outlet.		
24	In built battery backup should be atleast 1 hour		
	Essential accessories:		
25	B&W Thermal Printer		
26	suitable carry bag for machine ,Mobile cart with transducer holder, jelly bottle holder and space for printer.		
27	50 no.s roll of Thermal Printer Paper should be provided with the unit.		
28	The unit should be Should have US FDA or European CE with four digit notified body number certificate and certificate to be submitted.		
SI No	BOQ	Qty	UOM
1	Portable Ultrasound Scanner, as specified	1	No
2	Convex electronic phased array transducer: 2-6 MHz for abdominal imaging.	1	No
3	Linear transducer: 5-12MHz MHz for vascular and small part imaging.	1	No
4	Endocavitary probe (5-9MHz) with 120 deg FOV or more	1	No
5	B&W Thermal Printer	1	No
6	Mobile cart and suitable carry bag for machine	1	No
7	Thermal Printer Paper (Rolls)	50	No

ra c a s T w T w T C G I F	Mobile X-Ray Unit High Frequency mobile X ray machine with output 100 mA or more. The mobile x ray equipment is required to perform x ray studies in emergency and trauma centre and bedside in wards and ICU. The unit should be compact, lightweight and easily transportable. It should have following specifications. The system should have been quality certified. The unit should be operative on mains voltage from single phase 180-240 V AC with automatic main compensation.	
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1 G		
i F	'	
	Generator:	
ii k	Power : 4 kW or more	
	cVp. Range : 40 – 100 kVp or more	
iii C	Deleted	
iv n	m A range : 10 mA to 100 mA or more	
v E	Exposure Time: 10 ms to 2 sec.	
2 T	Γhe digital display:	
	kV and mAs parameters, System ON, System OFF, status and fault messages on the kV and mAs area	
3 X	KRAY Tube:	
S	Stationary/Rotating Anode tube with focal spot 1.8 X 1.8 mm or better.	
4 T	Гube stand:	
	The tube head should be fully counterbalanced/ Spring Balanced with rotation in all directions	
5 C	Collimator:	
C	Collimator rotation should be +45 to -45 degrees with auto shut off lamp facility.	
6 C	Cassette storage box:	
Т	The equipment should have cassette storage box for minimum of 4 cassettes.	
7 I	Ergonomics:	
b	The unit should have small foot print. The height of the column stand should not be more than 150 cm for easy transportation in the lift etc. and areas with small neight doors. The equipment should be light weight, not more than 130 kg.	
8 C	Certification:	
i S	System be AERB type approved.	
ii T	The Bidder should assist the institution for e-LORA registration formalities.	
	Regular QA according to AERB norms will be responsibility of bidder during warranty and CMC period.	
IV L	Light weight lead apron -2nos (equivalent to 0.35mm or more l ead)	

SI. No	Mobile X-Ray Unit		
	Added para: The equipment should have US FDA or European CE or BIS certificate and certificate to be submitted.		
	BOQ		
SI. No	Item Description	Qty	UOM
i	Mobile X-Ray Unit	1	No
ii	Light Weight Lead Apron	2	No

SN.	300 mA HF X-Ray Machine		
	High Frequency X-Ray machine suitable for General Radiography.		
1	X-ray generator		
i	High Frequency X-Ray generator having Frequency of 40 KHz or more suitable for Radiography should be provided.		
ii	Power output of generator should be 30 KW or more.		
iii	Radiography KV range should be 40 to 110 KV or more.		
iv	Exposure time should be in range of 5 ms to 0.9 sec.		
٧	With maximum numbers of steps.		
2	Control:		
i	Control panel can be supplied in floor or wall mount with Spill Proof design.		
ii	Following features should be available on the control panel.		
II .	Pollowing leatures should be available on the control pariel.		
iii	Machine ON/OFF switch ,Digital Display of KV & mAs., K V & control switches		
iv	X-ray on switch with indicators.		
٧	Bucky Selection switch.		
vi	Self-diagnostic Programme with Indicators for KV error, filament error & Tube's Thermal Overload.		
3	X-ray tube	1	
i	One No. Dual focus Rotating Anode X-ray tube thermally protected having focal spot:1.2 mm or less for small focus, 2mm or less for Large Focus.		
ii	Anode heat storage capacity of tube should be more than 135 KHU.		
iii	Manual collimator with aluminium filter & for adjustment of exposure area.		
4	Column Stand:		
i	It should have floor to ceiling stand with vertical counter balanced travel.		
ii	The column stand should move ±180°		
5	It should be provided with one chest stand.		
6	Table.		
i	Motoroised table having motorized Bucky consisting of grid ratio 8:1 or more with 80 lines per inches should be provided.		
ii	The Bucky tray should accept cassette of 8"x10", 10"x12" and 14"x17" size.		
iii	Suitable Lead-protected Three-fold screen with Lead Glass window.		
7	ACCESSORIES, SPARE PARTS, CONSUMABLES		
i	2 No.Zero lead apron(0.35mm Lead equivalent) with thyroid shield, gonad shield (all should be AERB Approved)		

SN.	300 mA HF X-Ray Machine		
ii	Lead Apron Stand with hanger		
iii	Cassette of 8"x10", 10"x12" and 14"x17" size. (Optional)		
8	CERTIFICATIONS:		
i	System be AERB type approved.		
ii	The Bidder should assist the institution for e-LORA registration formalities.		
iii	Regular QA according to AERB norms will be responsibility of bidder during warranty and CMC period.		
9	TRAINING AND INSTALLATION		
i	Training of users on operation and basic maintenance;		
ii	Advanced maintenance tasks required shall be documented		
10	Installation work:		
	The department would provide standard room with only three phase power supply in the room. The rest of the installation work will be done by the supplier, including girders for ceiling suspension etc., The installation of X- Ray machine includes all the associated work like suitable AC (min 4 TR), suitable flooring with skirting, cabling, Earthing, Lead lining (for Doors and Windows) etc should be done by the vendor. The site modification work should be as per AERB guidelines.		
	BOQ	Qty	UOM
SI.No	Item Description	1	No
1	300 mA X-Ray System with accessories as per the Tender Specification	1	LS
2	Site Modification Work for 200 Sq.ft. except Air Conditioning	1	LS
3	Air Conditioning as per specification	1	LS
4	lead aprons with thyroid shield, gonad shield and all protection attachments.(2 nos each)	1	No
5	Lead Apron Stand (1 No.) with hanger (2 Nos.)	1	No
6	Cassette of 8"x10" size. (Optional)	1	No
7	Cassette of 10"x12"size. (Optional)	1	No
8	Cassette of 14"x17" size. (Optional)	1	No

01	ILEM NO 11	
SI. No	Mobile C Arm Image intensifier	
	Equipment should have AERB Type Approval Certificate for radiation safety	
	The offered model should be European CE with 4 digit notified body number or USFDA or BIS for the quoted model .	
Α	X-RAY GENERATOR	
1	Frequency: 30 KHz or better	
2	Power output : 2 KW or more	
3	KV range : 40-110 KV or better	
4	mA in radiography : 20mA or more	
5	3 mA or more in normal fluoroscopy and 6 mA or more in High Level Fluro	
6	Should have facility for continuous fluoroscopy and Pulse fluoroscopy (Pulse rate upto 7 pulse per second)	
7	Should have Digital Spot for high quality single image, 7 mA or more	
8	Housing heat capacity of minimum 400 KHU or fluroscopy time 30 min minimum	
В	X-Ray tube Head	
1	Must have anode heat capacity of min 40,000 HU & cooling rate of min 25,000 HU/Min	
2	Should have dual/Single focal spots	
3	Collimation : motorized iris and motorized rotating blades	
4	Tube assembly filtration of 1.8 mm Al or higher	
С	C-Arm mechanism and control panel	
1	Locks for stabilization at desired position	
2	It should have the following range of movements:	
3	Motorized vertical movements more than 400mm	
4	Horizontal travel : 200mm or more	
5	Orbital movement : (-) 30 deg. To (+) 90 Deg. (120 Deg. Or more)	
6	Swing / panning movement : +/- 10 degrees or more	
7	Source image distance : 950 mm or more	
8	Depth of c-arm : 650 mm or more	
D	Control panel (Digital work station)	
1	It should have the following facilities :	
2	System should have capabilty of Pulse Fluoroscopy option to reduce to radiation exposure with 2-7 pulse per second ,which should be easily user selectable	
3	Fluoroscopy and Radiography exposure on switching	
4	Image rotation from control panel	
5	Image intensification, mode selection (normal and zoom)	
6	Automatic brightness stabilizer	
7	Auto dose rate control	
8	Collimation for radiography .	
Е	Integrated image processing, recording and memory system :	

SI.			
No	Mobile C Arm Image intensifier		
1	Input diameter 9" with dual field (9/6) or Triple field (9/6/4.5)		
2	Minimum central resolution (at monitor) : 1.4 lp/mm or better at 9" FOV		
b)	CCD camera		
1	CCD camera with 1kx1k resolution for high resolution image acquisition		
c)	Integrated image processing, memory and recording system should have		
1	Medical Grade Monitors (Two Nos.) with 2MP resolution		
2	Min 18 inch or more, black and white, flicker free, high resolution (1280x1024 pixels or better), medical grade flat screen TFT, manual control of brightness and contrast, mounted on mobile trolley with locking device		
f)	Digital image processor		
1	Provision to record multiple images on CD, DVD & USB with embedded DICOM viewer.		
2	Image processing at 1K * 1K Matrix		
3	Contrast enhancement, edge enhancement, zoom facility		
4	Recursive filter		
5	Last image hold		
6	Image rotation, vertical and horizontal reversal		
7	Medical imaging software's with ability to store 5000DICOM Compatable images in internal storage or equivalent video		
8	the system should be DICOM 3.0 or higher verison ready.		
9	It should get DICOM work list from HIS/RIS, storage images through PACS network system and should support DICOM image print and DICOM MPPS.		
g)	Additional features		
1	The equipment should work on a Power supply of 220-240 Volts, 50-60 Hz, 15 amp.		
3	Lead Aprons with all round protection (0.5mm lead equivalent approved by BARC) – 03		
4	Lead Aprons with front protection (0.5mm lead equivalent approved by BARC)- 6		
5	Thyroid shield (0.5mm lead equivalent approved by BARC) - 6		
6	Lead Eye glass 2 nos		
SN	BOQ	Qty	UOM
1	C arm as specified	1	Nos
2	Lead Aprons with all round protection	3	Nos
3	Lead Aprons with front protection	6	Nos
4	Thyroid shield	6	Nos
5	Lead eye glasses	2	Nos

St. C Arm with DSA		Item No. 12					
The offered model should be European CE with 4 digit notified body number or USFDA or BIS for the quoted model . A X-RAY GENERATOR 1 Frequency : 40 KHz or better 2 Power output : 2 KW or more 3 KV range : 40-110 KV or better 4 mA in radiography : 20mA or more 5 3 mA or more in normal fluoroscopy and 7 mA or more in High Level Fluro 5 should have facility for continuous fluoroscopy and Pulse fluoroscopy (Pulse rate upto 8 pulse per second) 7 Should have Digital Spot for high quality single image, 10 mA or more 8 Housing heat capacity of minimum 400 KHU or fluroscopy time 30 min minimum 8 X-Ray tube Head 4 Must have anode heat capacity of min 40,000 HU & cooling rate of min 25,000 HU/Min 2 Should have dual/Single focal spots 3 Collimation : motorized iris and motorized rotating blades 4 Tube assembly filtration of 2.5 mm Al or higher C C-Arm mechanism and control panel 1 Locks for stabilization at desired position 2 It should have the following range of movements: 3 Motorized vertical movements more than 400mm 4 Horizontal travel : 200mm or more 5 Orbital movement : (-) 25 deg. To (+) 90 Deg. (115 Deg. Or more) 6 Swing / panning movement : +/- 10 degrees or more 7 Source image distance : 950 mm or more 9 Depth of c-arm : 610 mm or more 9 Depth of c-arm : 610 mm or more 9 Depth of c-arm : 610 mm or more 9 Depth of c-arm : 610 mm or more 9 Depth of c-arm : 610 mm or more 9 Depth of c-arm : 610 mm or more 10 Control panel (Digital work station) 1 It should have the following facilities : 1 System should have capability of Pulse Fluoroscopy option to reduce to radiation exposure with 2-7 pulse per second, which should be easily user selectable 1 Image intensification, mode selection (normal and zoom) 1 Automatic brightness stabilizer 1 Auto dose rate control 2 Collimation for radiography . 2 Integrated image processing, recording and memory system :	1	C Arm with DSA					
USFDA or BIS for the quoted model . A X-RAY GENERATOR 1 Frequency : 40 KHz or better 2 Power output : 2 KW or more 3 KV range : 40-110 KV or better 4 mA in radiography : 20mA or more 5 3 mA or more in normal fluoroscopy and 7 mA or more in High Level Fluro 6 Should have Editity for continuous fluoroscopy and Pulse fluoroscopy (Pulse rate upto 8 pulse per second) 7 Should have Digital Spot for high quality single image, 10 mA or more 8 Housing heat capacity of minimum 400 KHU or fluroscopy time 30 min minimum 8 X-Ray tube Head 1 Must have anode heat capacity of min 40,000 HU & cooling rate of min 25,000 HU/Min 2 Should have dual/Single focal spots 3 Collimation : motorized iris and motorized rotating blades 4 Tube assembly filtration of 2.5 mm Al or higher C C-Arm mechanism and control panel 1 Locks for stabilization at desired position 2 It should have the following range of movements: 3 Motorized vertical movements more than 400mm 4 Horizontal travel : 200mm or more 5 Orbital movement : -/- 10 degrees or more 5 Orbital movement : (-) 25 deg. To (+) 90 Deg. (115 Deg. Or more) 6 Swing / panning movement : +/- 10 degrees or more 7 Source image distance : 950 mm or more D Control panel (Digital work station) 1 It should have the following facilities : 2 System should have capability of Pulse Fluoroscopy option to reduce to radiation exposure with 2-7 pulse per second, which should be easily user selectable 3 Fluoroscopy and Radiography exposure on switching 4 Image rotation from control panel 5 Image intensification, mode selection (normal and zoom) 6 Automatic brightness stabilizer 7 Auto dose rate control 8 Collimation for radiography . 8 Integrated image processing, recording and memory system :		Equipment should have AERB Type Approval Certificate for radiation safety					
Frequency: 40 KHz or better Power output: 2 KW or more KV range: 40-110 KV or better mA in radiography: 2DmA or more 3 mA or more in normal fluoroscopy and 7 mA or more in High Level Fluro Should have facility for continuous fluoroscopy and Pulse fluoroscopy (Pulse rate upto 8 pulse per second) Should have Digital Spot for high quality single image, 10 mA or more Housing heat capacity of minimum 400 KHU or fluroscopy time 30 min minimum X-Ray tube Head Must have anode heat capacity of min 40,000 HU & cooling rate of min 25,000 HU/Min Should have dual/Single focal spots Collimation: motorized iris and motorized rotating blades Tube assembly filtration of 2.5 mm Al or higher C C-Arm mechanism and control panel Locks for stabilization at desired position It should have the following range of movements: Motorized vertical movements more than 400mm Horizontal travel: 200mm or more Orbital movement: (-) 25 deg. To (+) 90 Deg. (115 Deg. Or more) Source image distance: 950 mm or more Do Control panel (Digital work station) It should have the following facilities: System should have capabilty of Pulse Fluoroscopy option to reduce to radiation exposure with 2-7 pulse per second, which should be easily user selectable Fluoroscopy and Radiography exposure on switching Image rotation from control panel Image rotation from control panel Integrated image processing, recording and memory system:							
Power output: 2 KW or more KV range: 40-110 KV or better mA in radiography: 20mA or more Should have facility for continuous fluoroscopy and 7 mA or more in High Level Fluro Should have facility for continuous fluoroscopy and Pulse fluoroscopy (Pulse rate upto 8 pulse per second) Should have Digital Spot for high quality single image, 10 mA or more Housing heat capacity of minimum 400 KHU or fluroscopy time 30 min minimum X-Ray tube Head Must have anode heat capacity of min 40,000 HU & cooling rate of min 25,000 HU/Min Collimation: motorized iris and motorized rotating blades Tube assembly filtration of 2.5 mm AI or higher Collimation: motorized iris and motorized rotating blades tube assembly filtration of 2.5 mm AI or higher Collimation: motorized iris and motorized rotating blades tube assembly filtration of 2.5 mm AI or higher Collimation: motorized iris and motorized rotating blades tube assembly filtration at desired position tube assembly filtration at desired position tube assembly filtration and esired position tube assembly filtration movements: Motorized vertical movements more than 400mm Horizontal travel: 200mm or more Orbital movement: (-) 25 deg. To (+) 90 Deg. (115 Deg. Or more) Source image distance: 950 mm or more Doth or-arm: 610 mm or more Control panel (Digital work station) It should have the following facilities: System should have capability of Pulse Fluoroscopy option to reduce to radiation exposure with 2-7 pulse per second, which should be easily user selectable Fluoroscopy and Radiography exposure on switching Image intensification, mode selection (normal and zoom) Auto dose rate control Collimation for radiography. Integrated image processing, recording and memory system:	Α	X-RAY GENERATOR					
KV range : 40-110 KV or better	1	Frequency: 40 KHz or better					
MA in radiography: 20mA or more 3 mA or more in normal fluoroscopy and 7 mA or more in High Level Fluro 6 Should have facility for continuous fluoroscopy and Pulse fluoroscopy (Pulse rate upto 8 pulse per second) 7 Should have Digital Spot for high quality single image, 10 mA or more 8 Housing heat capacity of minimum 400 KHU or fluroscopy time 30 min minimum 8 X-Ray tube Head 1 Must have anode heat capacity of min 40,000 HU & cooling rate of min 25,000 HU/Min 2 Should have dual/Single focal spots 3 Collimation: motorized iris and motorized rotating blades 4 Tube assembly filtration of 2.5 mm Al or higher C C-Arm mechanism and control panel 1 Locks for stabilization at desired position 2 It should have the following range of movements: 3 Motorized vertical movements more than 400mm 4 Horizontal travel: 200mm or more 5 Orbital movement: (-) 25 deg. To (+) 90 Deg. (115 Deg. Or more) 8 Swing / panning movement: +/- 10 degrees or more 9 Source image distance: 950 mm or more D Control panel (Digital work station) 1 It should have the following facilities: 2 System should have capabilty of Pulse Fluoroscopy option to reduce to radiation exposure with 2-7 pulse per second, which should be easily user selectable 3 Fluoroscopy and Radiography exposure on switching Image rotation from control panel Image intensification, mode selection (normal and zoom) Auto dose rate control 8 Collimation for radiography. Integrated image processing, recording and memory system:	2	Power output : 2 KW or more					
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8 Collimation for radiography . E Integrated image processing, recording and memory system :	6	Automatic brightness stabilizer					
E Integrated image processing, recording and memory system :	7	Auto dose rate control					
	8	Collimation for radiography .					
a) Image intensifier tube	E	Integrated image processing, recording and memory system :					
	a)	Image intensifier tube					

	Item No. 12							
SI. No	C Arm with DSA							
1	Input diameter 9" with dual field (9/6)/Triple field (9/6/4.5)							
2	Minimum central resolution (at monitor) : 1.4 lp/mm or better at 9" FOV							
b)	CCD camera							
1	CCD camera with 1kx1k resolution for high resolution image acquisition							
c)	Integrated image processing, memory and recording system should have							
1	Medical Grade Monitors (Two Nos.) with 2MP resolution							
2	Min 18 inch or more , black and white, flicker free, high resolution (1280x1024 pixels or better), medical grade flat screen TFT, manual control of brightness and contrast, mounted on mobile trolley with locking device							
F	Digital image processor							
1	Provision to record multiple images on CD,DVD& USB with embedded DICOM viewer.							
2	Image processing at 1K * 1K Matrix							
3	Contrast enhancement, edge enhancement, zoom facility							
4	Recursive filter							
5	Last image hold							
6	Image rotation, vertical and horizontal reversal							
7	Medical imaging software's with ability to store 5000DICOM Compatable images in internal storage or equivalent video							
8	the system should be DICOM 3.0 or higher verison ready.							
9	It should get DICOM work list from HIS/RIS, storage images through PACS network system and should support DICOM image print and DICOM MPPS.							
G	Additional features							
1	The equipment should work on a Power supply of 220-240 Volts, 50-60 Hz, 15 amp.							
3	Lead Aprons with all round protection (0.5mm lead equivalent approved by BARC) – 03							
4	Lead Aprons with front protection (0.5mm lead equivalent approved by BARC)- 6							
5	Thyroid shield (0.5mm lead equivalent approved by BARC) - 6							
6	Lead Eye glass 2 nos							
Н	DSA							
1	Automatic dose level sélection.							
2	Automatic image parameter selection, but also provide user to over ride these settings manually.							
3	Complete DSA Package with Road Mapping facility etc							
4	4 Image storage of min. 50000 images in 1024x1024 matrix							
5	Image annotation facility, measuring of angles and distances.							
6	Entering Demographic data of patients.							

SI. No	C Arm with DSA		
7	Support of virtually all DICOM 3.0 functionalities: DICOM Send/Receive, Storage, Print, Work list, Query/Retrieve, MPPS (Modality Performed Procedure Step) for importing data from HIS/RIS system.		
8	Options for post processing, archiving and documentation: With CD, DVD in DICOM and with USB in DICOM and BMP/TIFF/JPEG/equivalent format		
SN	BOQ	Qty	UOM
1	C arm as specified with DSA	1	Nos
2	Lead Aprons with all round protection	3	Nos
3	Lead Aprons with front protection	6	Nos
4	Thyroid shield	6	Nos
5	Lead eye glasses	2	Nos

SN	PICTURE ARCHIVING & COMMUNICATION SYSTEM (PACS) & Radiology Information System (RIS)	
I	Scope of Work	
1	complete optical fiber cabling, networking and connectivity to existing System, viewing stations with DICOM, viewing software, long term storage as well as the installation, user training and on-site maintenance and repair of all equipment components and subsystems related to the Archiving and Display of images created by diagnostic radiology imaging equipment.	
2	The vendor should survey and provide the complete campus vide optical fiber cabling connectivity to each wards across the hospital campus. Solution to build robust network architecture to handle the future purchased equipments like CT, MRI / Hospital information system etc.,	
3	Bidder should provide suitable hardware & software to match the volume of procedure required (procedure per annum). If the hospital needs any increase in procedures per annum in future the vendor should upgrade the PACS with suitable hardware & software. Cost for the same to be quoted separately	
4	Vendor should propose the latest RIS PACS solution available with them world wide. It should be compatible with existing HIS in the hospital	
II	General Requirements	
1	The proposed system should be the state of the art solution and should be a fully scalable solution. Any future upgrade or integration with the other RIS-PACS system in the hospital should be possible. System should conform to latest DICOM and HL7 standards. It should be compatible with all the standard modalities, PACS and imaging entities currently in the institute and also with those added in the future. The system should allow high speed transmission and viewing of data with adequate security measures against viruses, unauthorized access, and encryption to prevent misuse. The PACS system should comply with VNA standards allowing storage, retrieval and viewing of all kind of medical images such as imaging, pathology, echo, ophthalmology, clinical photographs etc.	
2	PACS should support unlimited number of users (radiologist/physicians/ward etc.) and unlimited number of Modalities in the hospital.	
3	The primary vendor should take an overall responsibility of both the software and hardware components including all licenses for complete maintenance for time of warranty & CMC.	
4	System should have a seamless workflow which means in single click of patient in the reporting module should open a particular patient in the PACS viewer along with all the other studies of the patient. There should be a seamless integration between RIS, PACS viewer so that the entire process should be done with two or three clicks. Two-step process in reporting cases should be possible so that the RIS system should be capable of assigning cases to a particular junior radiologist who prepares the report and subsequently to a senior radiologist who finalises the report. The report done by the junior radiologist should mention the status of the report as provisional. There should an option to send the provisional and finalised report to the hospital information system. There should be strong integration between the proposed RIS PACS system and the existing HIS so that the entire process can be tracked from HIS. The communication should comply with HL7 standard.	
5	The storage of the proposed PACS system should have usable 25 TB. Storage to be configured to automatically make two copies of all data in NAS in RAID. Upgradation of storage should be possible in future or during the installation based on the hospital requirement.	

	Item no 13	
SN	PICTURE ARCHIVING & COMMUNICATION SYSTEM (PACS) & Radiology Information System (RIS)	
6	System should have reporting and Web clients. The reporting clients should work in server client model so that the images and necessary reports are available instantly without having to retrieve it. It should be possible to automatically send specific modality reports or specific organ system reports to a particular set of radiologists for finalizing the reports based on the pre-configured rules. All softwares, licenses and hardwares to fulfill all our requirements should be quoted as essential items and it is the responsibility of the vendor to demonstrate the functionality of the same.	
III	Software Specification	
1	The software should be capable of having a Clustered high availability failover with a Common online SAN of 5 TB in RAID and archiving DICOM images including the Mammographic images in the NAS Storage. It should support reading (Reporting / Post Processing) and distribution of images and web-based distribution. The system would need to be integrated to the existing HIS seamlessly	
2	PACS database should be running on Oracle / Sybase	
3	The Software should provide 2D, 3D, 4D, reading & DSA reading and support DICOM structured report, and support multiple diagnostic monitors.	
4	It should have data security complying with HIPAA standards.	
5	Access to the images should be controlled with passwords that are required to be changed after a pre-determined period.	
6	The complete system should have a suitable virus protection for the warranty period and subsequently for the comprehensive maintenance period	
7	Possibility to compress Image data while storage viz JPEG & JPEG 2000 for loss less & with data loss.	
8	The system should be able to forward Modality Performed Procedure Steps to DICOM AET. Prefetching of Patient Data based on Modality worklist etc	
9	The system should be capable of showing images on a zero footprint viewer and in mobile devices (Android and iOS)	
10	The system should support unlimited reporting (2D viewing as well as 3D) concurrent users and unlimited WEB Clients. The web clients should cater to the users with in the hospital (like out patient rooms and OT) and outside the hospital.	
IV	Hard copy	
1	Should support DICOM Film printing on B/W and Color Printers	
2	Facility to write patient DVD's along with the viewer software and the reports.	
V	Image Evaluation	
1	Patient Folder – Reporting on different examinations of one patient simultaneously.	
2	Archiving thick & thin slices with a flexibility to define a rule to load for eg. Only "Thick Slices" for viewing by clinicians and "Thin Slices" by Radiologists	
3	Measurement on the complete stack of images including angle measurements.	
4	Measurement of Cardiothoracic ratio.	
5	Facility for Cross reference i.e. simultaneous marking of a specific spatial location in different series of a study	

	DICTURE A DCUIVING & COMMUNICATION SYSTEM (DACS) & Dediclose, Information						
SN	PICTURE ARCHIVING & COMMUNICATION SYSTEM (PACS) & Radiology Information System (RIS)						
6	Comments on images						
7	Continuous Zooming and panning						
8	Facility of a symbol to identify acute examinations						
9	Protecting data of VIP cases.						
10	To set priority for emergency cases						
11	3D reconstruction and evaluation of CT & MR images, MPR, MIP, Volume rendering - unlimited licences						
12	Fusion of PET and CT/MRI images						
13	Viewing of DICOM SR reports – edition & creating DICOM structured reports: BI-RADS reporting for mammography images.						
14	Facility to create folders by users to collect and group patients for future viewing						
15	The system shall support sticky notes function. The sticky notes shall open as popup when a scan is opened.						
VI	Storage and Archiving of Images						
1	Software should support: Short term storage, Long term storage for DICOM Compatible objects, NAS Storage to be configured to automatically make two copies of all data in NAS in RAID, Audit Trail and Node Authentication / Secure Application						
2	The Archiving software should support storage of 25000 procedures per annum						
3	The Software should support prefetching of rule based configuration and also giving status of Archive Fill levels in Short Terms Storage. The PACS system should comply with VNA standards (level 5 or higher with documentary proof of implementation) allowing storage, retrieval and viewing of all kind of medical images such as imaging, pathology, echo, ophthalmology, clinical photographs etc. It is necessary to create a disaster recovery solution in a different location for the entire data so as to prevent data loss in case of any disaster.						
٧	Radiology Information System						
1	Should be integrated with HIS and should communicate using HL7 protocol						
2	Has to use the hospital UHID as the patient primary ID						
3	Module for patient registration, examination scheduling and completion						
4	send worklist to modality specific so that examination can be started with a click without entering patient details in the modality						
5	Unlimited modalities should be connected and should be able to send worklist to those modalities						
6	There should be an option to hide reports and those could only be accessed using specific credentials						
7	Dashboard feature to show the entire workflow in the department at a glance						
8	Reporting module should have spell and grammar checks						
9	Search of the stored reports using a keyword.						
10	Multiple configurable filters should be there to narrow down the search						
11	Unlimited RIS Reporting Module						

	DICTUDE ADCUMING & COMMUNICATION SYSTEM (DACS) & Dadialous Information	1
	PICTURE ARCHIVING & COMMUNICATION SYSTEM (PACS) & Radiology Information System (RIS)	
12	Integrated speech recognition software Nuance Speech magic with 10 concurrent licenses for RIS reporting application to be used as it provides embedded integration inside the RIS PACS application to give a seamless experience. Also Please mention the number of concurrent users and no. of voice profiles required for speech magic voice recognition application	
	The system shall support scanning of hardcopy request forms and other documents and attach with a patient	
14	Audit Trail and Node Authentication / Secure Application	
15 (Charge Posting - Charge Processor /ADT Patient Registration /Order Filler	
	Patient Administration Management - Patient Demographics Consumer (Merge) / Patient Demographics Supplier (Merge) / Patient Encounter Consumer / Patient Encounter Source	
1 1/	Patient Demographics Query - Patient Demographics Consumer / Patient Demographics Supplier	
	Patient Identifier Cross-referencing for MPI - Patient Identity Source / Patient Identifier Cross-reference Consumer	
19 (Cross-Enterprise Document Sharing - Document Source / Document Consumer	
20 I	Roaming user profiles, i.e. each user can use any RIS workstation with one's own profile.	
	RIS records changes of the exam, change history as well as the time course is documented.	
	Appointment logging available. Date/time, creator of the appointment as well as deletion and changing of the appointments is recorded	
	Logging of changes on patient master data possible, search for deleted patients also possible	
24 1	Direct order scheduling from HIS in the RIS scheduler possible, a hybrid workflow can also be implemented (e.g. x-ray orders are scheduled directly, CT orders are scheduled manually in the radiology).	
25	Orders are adaptable and exams can be added/deleted/changed	
1 /n	Orders can be planned on call without date/time. On call list is automatically forwarded to the next day.	
27	Cancellation of orders with reason	
	Health warnings can be saved for each patient. They are displayed in colour in the examination room and can also be added to the RIS title bar.	
29 I	Possibility to automatically find the first free appointment per examination room	
30 I	Possibility to change appointment start/end date and time	
31 I	Possibility to restrict access to cases on user level	
32 I	Possibility to create/change the comment text in appointment	
	Possibility to delete/cancel appointments with recording of the reason for cancellation. Deleted appointments can be displayed in the DPC.	

	itelli lio 13	
SN	PICTURE ARCHIVING & COMMUNICATION SYSTEM (PACS) & Radiology Information System (RIS)	
34	Display of case relevant data during an examination (insurance, patient history, comment etc.)	
35	Display of alerts (e.g. CM allergy, AIDS, etc.)	
36	Possibility to enter case-specific remarks during the examination	
37	The system shall support sticky notes function. The sticky notes shall open as popup when a scan is opened.	
38	Facility of a symbol to identify acute examinations	
39	To set priority for emergency cases.	
40	RIS reporting module should have grammar and spell check features	
VI	Miscellaneous	
1	High speed network cabling, switches and connectors are vendors responsibility	
2	The cost of any additional networking, fibre optic cabling, connectors and data switches required have to be included in the offer.	
3	Complete Antivirus protection for the entire RIS-PACS solution would be the responsibility of the vendor.	
	BOQ	
SN	Item Name	Qty
1	PACS application Database Server license for main centre	1 No
2	Integration with HIS/HL7	1 No
3	Connectivity to DICOM Modalities	Unlimited
4	DICOM modality work list Licenses	Unlimited
5	Radiologist workstation Licenses	Unlimited
6	Viewing Licenses in cluding 3D, MPR	Unlimited
7	Annual study volume Licenses	25000 licenses
8	Mobile/Tab viewing Licenses	Unlimited
9	Vendor neutral archive	Unlimited
10	Image library & CME module Licenses	Unlimited
11	Film printing & CD Writing Licenses	Unlimited
12	Procedure/Images archival licenses	Unlimited
13	Document scanning license	Unlimited
14	Onsite Engineer at each respective site for training & support	During warranty
15	Comprehensive Maintenance including free upgrades	During warranty & CMC
17	Application / database server (HP/Dell) Rack Model, Intel 8C Dual processor 2.0 GHz or above, 64 GB RAM, 600 GB SAS ENT HDD x 2, 2TBx4 Nos, RPS, RAID Support, DVD RW	1

SN	PICTURE ARCHIVING & COMMUNICATION SYSTEM (PACS) & Radiology Information System (RIS)	
18	Clinical Review Workstations (HP/Dell) Core i7 8GB RAM, 1TB HDD, Microsoft windows 10 professional edition 64 bit OS, USB Keyboard, USB optical Mouse 2 MP dual head diagnostic display for PACS, 21" display or more Antivirus shall be provided for each hardware workstation.	5
19	HW for RIS station 1080P Full HD LED/LCD monitor with mouse and keyboard i7, 16 GB RAM, 1TB HDD,DVD drive, Windows 10 with Microsoft office and antivirus	5
20	Fiber optic cabling with necessary underground trenching, suitable HDPE pipes, installation & erections	500m
21	OFC Cabling Accessories	LS
22	Any other accessories/componets for the installation & commissioning of PACS	LS
	Note: Above BOQ is for ranking purpose. However Bidder should quote unit price separately for all the items and final quantity will as per the actual requirement of the institute. Payment will be on prorata basis	

GENERAL TECHNICAL SPECIFICATIONS

GENERAL POINTS:

1. Warranty:

- a) Five years Comprehensive Warranty as per Conditions of Contract of the TE document for complete equipment (including Batteries for UPS, other vacuumatic parts wherever applicable) Warranty period will be 5 years from the date of installation, commissioning and Site Modification Work from the date of satisfactory installation, commissioning, trial run & handing over of equipment to Hospital/Institution/Medical College.
- b) 95% up time Warranty of complete equipment with extension of Warranty period by double the downtime period on 24 (hrs) X 7 (days) X 365 (days) basis.
- c) All software updates should be provided free of cost during Warranty period.

2. After Sales Service:

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

3. Training:

On Site training to Doctors/ Technicians/ staff is to be provided by Principal/ Indian Agents (if they have the requisite know-how) for operation and maintenance of the equipment to the satisfaction of the consignee. The same will be in line with the training modalities as specified in general technical specification.

- 4. Annual Comprehensive Maintenance Contract (CMC) of subject equipment with Site Modification Work:
 - a) The cost of Comprehensive Maintenance Contract (CMC) which includes preventive maintenance including testing & calibration as per technical/ service /operational manual of the manufacturer, labour and spares, after satisfactory completion of Warranty period may be quoted for next 5 years on yearly basis for complete equipment (including Batteries for UPS, other vacuumatic parts wherever applicable) and Site Modification Work (if any). The supplier shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, but at least twice in six months (i.e. 4 preventive maintenance/ year) apart from all breakdown visits, during the CMC period
 - b) The cost of CMC may be quoted along with taxes applicable on the date of Tender Opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
 - c) Cost of CMC will be added for Ranking/ Evaluation purpose. The same will be taken at Net Present Value with a 10% discounting factor each year.
 - d) The payment of CMC will be made on six monthly basis after satisfactory completion of said period, duly certified by end user on receipt of bank guarantee for 2.5% of the cost of the equipment as per Section XV valid till 2 months after expiry of entire CMC period.
 - e) There will be 95% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.
 - f) During CMC period, the supplier is required to visit at each consignee's site at least twice in 6 months (i.e. 4 preventive maintenance/ year) apart from all breakdown visits, commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.
 - g) All software updates should be provided free of cost during CMC.
 - h) Failure of the above [4. e) to 4. g)] by the supplier, may lead to the forfeiture of the Bank Guarantee for Annual CMC.
 - i) The payment of CMC will be made as stipulated in GCC Clause 21.

5. Site Modification Work:

Site Modification Work is indicated in the technical specification of the respective items, wherever required. The Tenderer shall examine the existing site where the equipment is to be installed, in consultation with HOD of Hospital/Institution/Medical College concerned. Site Modification Work details of each Hospital/Institution/Medical College are given at the end of Technical Specification. The Tenderer to quote prices indicating break-up of prices of the Machine and Site Modification Work of each Hospital/Institution/Medical College. The Site Modification Work costs to be quoted in Indian Rupee will be added for Ranking Purpose.

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

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

- **Note 1:** Tenderer's attention is drawn to GIT clause 18 and GIT sub-clause 11.1 A (iii). The tenderer is to provide the required details, information, confirmations, etc. accordingly failing which it's tender is liable to be ignored.
- Note 2: General: Bidders are requested to make sure that they should attach the list of equipment for carrying out routine and preventive maintenance wherever asked for and should make sure that Electrical Safety Analyzer / Tester for Medical equipment to periodically check the electrical safety aspects as per BIS Safety Standards IS-13540 which is also equivalent to IEC electrical safety standard IEC-60601 is a part of the equipment s. If the Electrical Safety Analyzer/Tester is not available they should provide a commitment to get the equipment checked for electrical safety compliance with Electronic Regional Test Labs / Electronics Test and Development Centres across the country on every preventive maintenance call.
- **Note 3:** Adequate training of personnel and non-locked open software and standard interface interoperability conditions for networked equipment in hospital management information system (HMIS).

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

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

Section - VIII

Quality Control Requirements

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

Tender Reference No.

Date of opening

Time

Name and address of the Tenderer:

Note: All the following details shall relate to the **manufacturer(s)** for the goods quoted for.

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

Signature and seal of the Tenderer

Section - IX

Qualification Criteria

- 1. The tenderer must be a manufacturer. In case the manufacturer does not quote directly, they may authorize an agent as per proforma of Manufacturer authorization form as given in the tender enquiry document to quote and enter into a contractual obligation.
- (a) The Manufacturer should have supplied and installed in last <u>Five</u> years from the date of Tender Opening, at least 25% of the quoted quantity (rounded off to next whole number) of the similar equipment meeting major parameters of technical specification which is functioning satisfactorily.
- 2. (b) The Tenderers quoting as authorized representative of the manufacturer meeting the above criteria should have executed at least one contract in the last five years from the date of tender opening of medical equipment anywhere in India of the same manufacturer.
- 3. The bidders/ firms identifying as MSME and or start-up firms are exempted from fulfilling criteria at S. No. 2 (a) and 2(b) stated above. However, this does not exempt any bidder/ firm/ manufacturer from fulfilling the quality requirements.

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, along with the tender.
- 3. The Tenderer shall furnish a brief write-up, packed with adequate data explaining and establishing his available capacity/capability (both technical and financial) to perform the Contract (if awarded) within the stipulated time period, after meeting all its current/present commitments. The Tenderer shall also furnish details of Equipment and Quality Control in the enclosed Section VIII.
- 4. Notwithstanding anything stated above, the Purchaser reserves the right to assess the Tenderer's capability and capacity to perform the contract satisfactorily before deciding on award of Contract, should circumstances warrant such an assessment in the overall interest of the Purchaser
- 5. The bidder should submit the manufacturer's production capacity, meeting the quantity requirement and delivery schedule requirement of this tender document.
- **6.** The Purchaser reserves the right to ask for a free demonstration of the quoted equipment at a pre determined place acceptable to the purchaser for technical acceptability as per the tender specifications, before the opening of the Price Tender.

PROFORMA 'A'

PROFORMA FOR PERFORMANCE STATEMENT

(For the period of last five years)

Tender Refere	ence No.		:_			
Date of openi	ng		:_			
Time			:_			
Name and ad	dress of the 1	「enderer	:_			
Name and ad	dress of the r	manufacturer	:_			
Order	Order	Description	Value	Date of completion	Remarks	Н

Order placed by (full address of Purchaser/C onsignee)	Order number and date	Description and quantity of ordered goods and services	Value of order (Rs.)	Date of cor of Contract As per contract	•	Remarks indicating reasons for delay if any	Have the goods been functioning Satisfactorily (attach documentary proof)**
1	2	3	4	5	6	7	8

We hereby certify that if at any time, information furnished by us is proved to be false or incorrect; we are liable for any action as deemed fit by the purchaser in addition to forfeiture of the earnest money.

Signature and seal of the Tenderer

- ** The documentary proof will be a certificate from the consignee/end user with crossreference of order no. and date in the certificate along with a notarized certification authenticating the correctness of the information furnished.
- ** The bidders are requested to submit the latest purchase order copies supplied to AIIMS, PGIMER, JIPMER, Institute of National importance for the specific model quoted along with the price bid.

Section – X TENDER FORM

To,	Date
CEO	
HLL Infra Tech Services Limited	
Procurement and Consultancy Division	
B-14 A, Sector -62, Noida -201307, Uttar Pradesh.	
Ref. Your TE document Nodated	
confirmed. We now offer to supply and deliver conformity with your above referred document for herewith and made part of this tender. If our tender to the conformity with a supply and deliver to sup	e above mentioned TE document, including (if any), the receipt of which is hereby (Description of goods and services) in r the sum as shown in the price schedules attached der is accepted, we undertake to supply the goods and dance with the delivery schedule specified in the List of
•	, we shall provide you with a performance security of GCC clause 5, read with modification, if any, in Section - nance of the contract.
if any in Section - III — "Special Instructions to Teragreed to by us. We also accordingly confirm to abtender may be accepted any time before the expiry of the section of	s required in the GIT clause 20, read with modification, inderers" or for subsequently extended period, if any, side by this tender up to the aforesaid period and this of the aforesaid period. We further confirm that, until a your written acceptance thereof within the aforesaid s.
We further understand that you are not bound to acyour above-referred tender enquiry.	ccept the lowest or any tender you may receive against
We confirm that we do not stand deregistered/bann	ed/blacklisted by any Govt. Authorities.
We confirm that we fully agree to the terms and c including amendment/ corrigendum if any	conditions specified in above mentioned TE document,
	(Signature with date)
	(Name and designation)
	Duly authorised to sign tender for and on behalf of

SECTION – XI PRICE SCHEDULE

Price bid format/ template is provided as along with this Tender Enquiry Document at https://eprocure.gov.in/eprocure/app.

Bidders are advised to download Price Bid as it is and quote their offer/rates in the permitted column and upload the same in the commercial bid. Bidder shall not tamper/modify downloaded price bid template in any manner. In case if the same is found to be tempered/modified in any manner, their bids shall be liable to be rejected.

In case, an instruction in the specification asks for a BOQ line item to be quoted separately, the same to be quoted mandatorily as a separate price and must not be added in the bundle offer.

SECTION – XII QUESTIONNAIRE

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

- 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 CPPP portal as per provision available

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SECTION - XIII

BANK GUARANTEE FORM FOR EMD

	as (hereinafter called the "Tenderer") has submitted its quotation dated for the supply of (hereinafter called the "tender") against the
purcha	ser's tender enquiry No Know all persons by these presents that we of (Hereinafter called the "Bank") having our registered
(herein to be r	at are bound unto for which payment will and truly nade to the said Purchaser, the Bank binds itself, its successors and assigns by these presents. Sealed with mmon Seal of the said Bank this day of 20 The conditions of this obligation are:
1)	If the Tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
2)	If the Tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity:-
	fails or refuses to furnish the performance security for the due performance of the contract or
	fails or refuses to accept/execute the contract or
	if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged
Purcha	dertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the ser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred on(s).
_	arantee will remain in force for a period of forty-five days after the period of tender validity and any d in respect thereof should reach the Bank not later than the above date.
	(Signature with date of the authorised officer of the Bank)
	Name and designation of the officer
	Seal, name & address of the Bank and address of the Branch

<u>SECTION – XIV</u> <u>MANUFACTURER'S AUTHORISATION FORM</u>

CEO HLL Infra Tech Services Limited
Procurement and Consultancy Division B-14 A, Sector -62, Noida -201307, Uttar Pradesh.
Dear Sir,
Ref: Your TE document No dated
We, who are proven and reputable manufacturers of (name and description of the goods offered in the tender) having factories at, hereby authorise Messrs (name and address of the agent) to submit a tender, process the same further and enter into a contract with you against your provides and in the above referred TF description and the above reserved to the above reserved
We also state that we are not participating directly in this tender for the following reason(s):
We further confirm that no supplier or firm or individual other than Messrs
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 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 or the authorised agent
We also confirm that the price quoted by our agent shall not exceed the price which we would have quoted directly"
Yours faithfully
[Signature with date, name, designation and Email for and on behalf of Messrs
[Name & address of the manufacturers

Note:

- (1) This letter of authorisation should be on the letter head of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind the manufacturer.
- (2) Original letter may be sent.
- (3) The purchaser reserves the right to verify this document with its signatory.

SECTION - XV

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC SECURITY

CEO
HLL Infra Tech Services Limited
Procurement and Consultancy Division
B-14 A, Sector -62, Noida -201307, Uttar Pradesh.
WHEREAS (Name and address of the supplier) (Hereinafter called "the supplier") has undertaken, in pursuance of contract no dated to supply (description of goods and services) (herein after called "the contract").
AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognised by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;
AND WHEREAS we have agreed to give the supplier such a bank guarantee;
NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of (Amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.
We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.
We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.
This guarantee shall be valid till such time to cover two months beyond the warranty period from the date of Notification of Award i.e. up to (indicate date).
(Signature with date of the authorised officer of the Bank)
Name and designation of the officer
Seal, name & address of the Bank and address of the Branch

SECTION - XVI

CONTRACT FORM - A

CONTRACT FORM FOR SUPPLY, INSTALLATION, COMMISSIONING, HANDING OVER, TRIAL RUN, TRAINING OF OPERATORS & WARRANTY OF GOODS

(Address of the Purchaser/C Office issuing the contract)	onsignee
Contract No da	ated
This is in continuation to th	is office's Notification of Award No dated
1. Name & address of the Su	ipplier:
Purchaser's TE document dated (if any),	No dated and subsequent Amendment No, issued by the purchaser
	dated and subsequent communication(s) No exchanged between the supplier and the purchaser in connection with this tender.
	ract Form, the following documents etc, which are included in the documents aphs 2 and 3 above, shall also be deemed to form and be read and construed as act:
(i) General Cor	aditions of Contract;
(ii) Special Con	ditions of Contract;
(iii) List of Req	uirements;
(iv) Technical S	pecifications;
(v) Quality Cor	trol Requirements;
(vi) Tender For	m furnished by the supplier;
(vii) Price Sche	dule(s) furnished by the supplier in its tender;
(viii) Manufact	urers' Authorisation Form (if applicable for this tender);
(ix) Purchaser'	s Notification of Award
assigned to them abbreviations inco	pressions used in this contract shall have the same meanings as are respectively in the conditions of contract referred to above. Further, the definitions and reporated under clause 1 of Section II – 'General Instructions to Tenderers' of the tument shall also apply to this contract.
Some terms, conditions, ready reference:	stipulations etc. out of the above-referred documents are reproduced below for
(i) Brief particulars	of the goods and services which shall be supplied/ provided by the supplier are as

under:

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Schedule No.	Brief description of goods/services	Accounting unit	Quantity to be supplied	Unit Price	Total price	Terms of delivery

Any other additional services (if applicable) and cost thereof: ______

Total value (in figure)	(In words)
(ii) Delivery schedule	
(iii) Details of Performance Se	ecurity
(iv) Quality Control	
(a) Mode(s), stage(s) ar	nd place(s) of conducting inspections and tests.
(b) Designation and ad-	dress of purchaser's inspecting officer
(v) Destination and despatch	instructions
(vi) Consignee, including port	consignee, if any
Warranty clause	
Payment terms	
Paying authority	
	(Signature, name and address
	of the Purchaser's/Consignee's authorised official)
	For and on behalf of
eived and accepted this contract	
nature, name and address of the s	upplier's executive
y authorised to sign on behalf of th	ne supplier)
y authorised to sign on behalf of the and on behalf of	
•	
and on behalf of	
and on behalf of me and address of the supplier)	
	(iii) Delivery schedule (iii) Details of Performance Section (iv) Quality Control (a) Mode(s), stage(s) are (b) Designation and addes (v) Destination and despatch (vi) Consignee, including port Warranty clause Payment terms Paying authority ceived and accepted this contract gnature, name and address of the sections.

<u>CONTRACT FORM – B</u>

CONTRACT FORM FOR ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT

Annual CM Contract No				_					
Bet	ween								
(Ac	ldress of Hea	d of Hospital)							
An	d								
(Na	ime & Addre	ss of the Supplier)							
` Ref	f: Contrac	t No date							
	In conti	nuation to the above re	eferred contra	act					
1.	The Contrac	ct of Annual Comprehe	nsive Mainter	nance is	s herek	oy con	cluded	as und	der: -
	1	2	3			4			5
	Schedule	Annual Comprehensi Maintenance Contract for Each Unit year wis		Cost	Total Annual Comprehensive Maintenance				
	No.	goods	(Nos.)	1 st	1 st 2 nd 3 rd 4 th 5 th		Contract Cost for 5 Years		
				а	b	С	d	е	[3 x (4a+4b+4c+4d+4e)]
	Total value	(in figure)	(In words)						_
2.	The CMC commence from the date of expiry of all obligations under Warranty i.e. from(date of expiry of Warranty) and will expire on (date of expiry of CMC)								
3.	The cost of Annual Comprehensive Maintenance Contract (CMC) which includes preventive maintenance labour and spares, after satisfactory completion of Warranty period may be quoted for next 5 years a contained in the above referred contract on yearly basis for complete equipment (including X ray tubes Helium for MRI, Batteries for UPS, other vacuumatic parts, &) and Site Modification Work (in any).								
4.	There will be 95% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, wit penalty, to extend CMC period by double the downtime period.								
5.	During CMC period, the supplier shall visit at each consignee's site for preventive maintenance including testing and calibration as per the manufacturer's service/ technical/ operational manual. The supplier shall								

visit each consignee site as recommended in the manufacturer's manual, but at least twice in 6 months

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	commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.						
6.	All software updates should be provided free of cost during CMC.						
7.	The bank guarantee valid till [(fill the date) 2 months after expiry of entire CMC period for an amount of Rs [(fill amount) equivalent to 2.5 % of the cost of the equipment as per contract] shall be furnished in the prescribed format given in Section XV of the TE document, along with the signed copy of Annual CMC within a period of 21 (twenty one) days of issue of Annual CMC failing which the proceeds of Performance Security shall be payable to the Purchaser/Consignee.						
8.	If there is any lapse in the performance of the CMC as per contract, the proceeds Annual CMC bank guarantee for an amount of Rs (equivalent to 2.5 % of the cost of the equipment as per contract) shall be payable to the Consignee.						
9.	Payment terms: The payment of Annual CMC will be made against the bills raised to the consignee by the supplier on six monthly basis after satisfactory completion of said period, duly certified by the HOD concerned. The payment will be made in Indian Rupees.						
10.	Paying authority: (name of the consignee i.e. Hospital authorised official)						
	(Signature, name and address						
	of Hospital authorised official)						
	For and on behalf of						
Red	eived and accepted this contract.						
(Sig	nature, name and address of the supplier's executive						
dul	authorised to sign on behalf of the supplier)						
For	and on behalf of						
(Na	ne and address of the supplier)						
(Se	I of the supplier)						
Dat	e:						
Pla	e:						

<u>SECTION – XVII</u>

CONSIGNEE RECEIPT CERTIFICATE

(To be given by consignee's authorized representative)

The Tol	lowing store(s) has/ have been received in good	condition:
1)	Contract No. & date	:
2)	Supplier's Name	:
3)	Consignee's Name & Address with telephone No. & Fax No.	:
4)	Name of the item supplied	:
5)	Quantity Supplied	:
6)	Date of Receipt by the Consignee	:
7)	Name and designation of Authorized Representative of Consignee	:
8)	Signature of Authorized Representative of Consignee with date	:
9)	Seal of the Consignee	

SECTION - XVIII

Proforma of Final Acceptance Certificate by the Consignee

	_		Date
ct: Certifica	te of commissioning of equipment /pl	ant.	
tions along wit	h all the standard and special access	sories and a set of s	spares (subject to remarks in
Contract No_		dated	
Description of	f the equipment (s)/plants:		
Equipment (s)	/ plant(s) nos.:		
Quantity:			
Bill of Loading	;/Air Way Bill/Railway		
Receipt/ Good	ds Consignment Note no	dated	
Name of the v	vessel/Transporters:		
Name of the 0	Consignee:		
Date of site ha	nd-over to the supplier by consignee:	:	
Date of comm	nissioning and proving test:		
ls of accessorie	s/spares <u>not yet supplied</u> and recove	eries to be made on	that account.
Sl. No.	Description of Item	Quantity	Amount to be recovered
ment (s)/plant(s).		e been trained to operate the
	ct: Certifications along with tions along with no.02) in accordissioned. Contract No_Description of Equipment (s) Quantity: Bill of Loading Receipt/ Good Name of the Mame of the M	is to certify that the equipment (s)/plant(s) as ditions along with all the standard and special access no.02) in accordance with the contract/technical shissioned. Contract No	ct: Certificate of commissioning of equipment /plant. is to certify that the equipment (s)/plant(s) as detailed below has/it tions along with all the standard and special accessories and a set of sno.02) in accordance with the contract/technical specifications. The inissioned. Contract No

The supplier has failed to fulfil its contractual obligations with regard to the following:

- a) He has not adhered to the time schedule specified in the contract in dispatching the documents/ drawings pursuant to 'Technical Specifications'.
- b) He has not supervised the commissioning of the equipment (s)/plant(s) in time, i.e. within the period specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment (s)/plant(s).
- c) The supplier as specified in the contract has not done training of personnel.

The extent of d	•	of the activit	ies to be p	oerform	ied by t	he suppl	ier ir	n terms of t	he contract
The amount of r	ecovery on acc	count of non-si	upply of ac	cessori	es and sp	ares is g	iven	under Para r	no.02
The amount of is	•	account of e the amount)		the su	ipplier t	o meet	his	contractual	obligations
									(Signature)
									(Name)
							(1	Designation	with stamp)

Explanatory notes for filling up the certificate:

- i) He has adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to 'Technical Specification'.
- ii) He has supervised the commissioning of the equipment (s)/plant(s) in time, i.e. within the time specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment (s)/plant(s).
- iii) Training of personnel has been done by the supplier as specified in the contract.
- iv) In the event of documents/drawings having not been supplied or installation and commissioning of the equipment (s)/plant(s) having been delayed on account of the supplier, the extent of delay should always be mentioned in clear terms.

Section – XIX Consignee List

SI. No.	Name of Hospital and Address	Consignee Code	State	Airport	Dry Port/ Seaport
1	The Principal Jawahar Lal Nehru Medical College S. R. Rajpath, Katahalbari, Khanjarpur, Bhagalpur, Bihar 812001 Phone: 0641-2401078, 2400903/ 094700 03013 Email: principal.jlnmc@rediffmail.com, jlnmcbgp@gmail.com	JLNMC- Bhagalpur	Bihar	Kolkata	Kolkata
2	The Dean/ The Principal Anugrah Narayan Magadh Medical College & Hospital- Gaya Sher Ghati Road,Neema Tola, Gaya, Bihar 823001 Phone: 0631-2410339 EMail: princ_anmmc@rediffmail.com	ANMCH- Gaya	Bihar	Kolkata	Kolkata
3	The Director / Principal Patna Medical College Patna-800004 Office: 0612-2300343,18003456255 Email: info@patnamedicalcollege.com, principalsoffice@rediffmail.com	PMC- Patna	Bihar	Kolkata	Kolkata
4	The Principal Chhattisgarh Institute of Medical Sciences (CIMS) Sardar Vallabh Bhai Patel Hospital Sadar bazaar Rd, Dabripara, Bilaspur, Chhattisgarh 49500 Phone: +91-7752-230030 Email: deancims@gmail.com	CIMS- Bilaspur	Chhattisgarh	Kolkata	Kolkata
5	The Principal Late Baliram Kashyap Memorial Govt. Medical College Dimrapal,, Jagdalpur, Chhattisgarh 494001 Tel: 077822 31403 / +(91)-07782- 231403 Email: gmcjagdalpur@gmail.com	LBKMGMC- Jagdalpur	Chhattisgarh	Kolkata	Kolkata

SI. No.	Name of Hospital and Address	Consignee Code	State	Airport	Dry Port/ Seaport
6	The Principal University College of Medical Sciences- GTB Hospital Dilshad Garden, Delhi - 110 095 Phone No.: 91-11-22582972-74 Email: principal@ucms.ac.in	UCMC- GTBH	Delhi	Delhi	ICD TKD/ PPD
7	The Dean Govt. Medical College, Bhavnagar Nr. ST Bus Stand, Jail Road Bhavnagar 364001 (Gujarat - INDIA). Phone No.: 0278-2430808, {R} 0278-2510236 Email: dean.health.bhavnagar@gmail.com	GMC- Bhavnagar	Gujarat	Ahmadabad	Mundra / Pipavav / Kandla
8	The Principal Govt. Medical College, Surat MAJURAGATE, Surat, Gujarat 395001 Phone No.: 0261 – 2244175 Email: dean.health.surat@gmail.com, deangmcs-gj@nic.in	GMC- Surat	Gujarat	Ahmadabad	Mundra / Pipavav / Kandla
9	The Dean / Principal Mahatma Gandhi Medical College, Indore A.B.Road, Indore - 452 001, (M.P.), India Ph: 0731-2527383, 2527679 Email Address: deanliabrary@gmail.com	MGMC- Indore	Madhya Pradesh	Mumbai	Nhavasheva Port
10	The Principal S.C.B. Medical College , Cuttack Manglabag, Cuttack-753007 Phone : 0671- 2414355 Email: scbmcctc@gmail.com	SCBMC- Cuttack	Odisha	Kolkata	Kolkata
11	The Director/ Principal SMS Medical College, JAIPUR J.L.N. Marg, Jaipur-302004, Rajasthan Phone: - 0141-2560291 & 0141- 2518222 Email: officeprincipalsmsmc@gmail.com	SMSMC- Jaipur	Rajasthan	New Delhi	ICD TKD/ PPD

SI. No.	Name of Hospital and Address	Consignee Code	State	Airport	Dry Port/ Seaport
12	The Director/ Principal S.N. Medical College, Agra Moti Katra, Agra - 282002 (U.P) India Phone: +91-562 2260353 Email: deansnmc@yahoo.in	SNMC- Agra	Uttar Pradesh	New Delhi	ICD TKD/ PPD
13	The Director/ Principal GSVM Medical College, Kanpur Swaroop Nagar, Kanpur, Uttar Pradesh- 208002 Phone: +91-512-2535483 Email: gsvm_knp@yahoo.co.in	GSVMMC- Kanpur	Uttar Pradesh	New Delhi	ICD TKD/ PPD
14	The Principal AIIMS, AIIMS Temporary Campus, First Floor, Government Siddhartha Medical College, NH 16 service road, Gunadala, Vijayawada (AP), 520008 Phone:+91 0866 2454500 Email: dda.mangalagiri@aiims.gov.in	AIIMS- Manglagiri	Andhra Pradesh	Hyderabad	Visakhapatn am
15	The Principal AIIMS, Kalyani Rd, Basantapur, West Bengal 741245 Phone: 0477 228 2611 Email: tdmcalappuzha@gmail.com	AIIMS- Kalyani	West Bengal	Kolkata	Kolkata
16	The Principal All India Institute of Medical Sciences, Nagpur IIMS Temporary Campus, Government Medical College, Nr. Hanuman Nagar Nagpur, Pin: 440003 Phone:Phone o712 2744922 Email: info@aiimsnagpur.edu.in	AIIMS- Nagpur	Maharashtra	Mumbai	Mumbai
17	The Principal AIIMS, Gorakhpur, Uttar Pradesh Phone:+91 0866 2454500 Email: dda.mangalagiri@aiims.gov.in	AIIMS- Gorakhpur	Uttar Pradesh	New Delhi	ICD TKD/ PPD

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

APPENDIX - A

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

Udyog Bhawan, New Delhi Dated: 29th May, 2019

To

All Central Ministries/Departments/CPSUs/All concerned

ORDER

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

Department for Promotion of Industry and Internal Trade, in partial modification [Paras 3(a) and 14 modified and Para 10A added] of Order No.P-45021/2/2017-B.E.-II dated 15.6.2017 as amended by Order No.P-45021/2/2017-B.E.-II dated 28.05.2018, 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.

'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 all goods, services or works in respect of which the estimated value of procurement is less than INR 50 Lakhs, only local suppliers shall be eligible to bid. However, in procurement of all goods, services or works, in respect of which the Nodal Ministry / Department has communicated that there is sufficient local capacity and local competition, only local suppliers shall be eligible to bid irrespective of purchase value.

Provided that for any particular item, the Nodal Ministry / Department may also prescribe an upper threshold limit, below which procurement shall be made only from local suppliers.

Further provided that in any particular case of procurement, if the procuring authority is of the view that the goods, services or works of required quality / specifications etc. may not be available in the country, or sufficient capacity or competition does not exist domestically, and it is necessary to undertake global competitive bidding, the procuring authority may allow the same after recording reasons. In such cases, 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;
 - 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:-
 - Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract will be awarded to L1.

- ii. If L1 is not from a local supplier, the lowest bidder among the local suppliers, will be invited to match the L1 price subject to local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such local supplier subject to matching the L1 price.
- iii. In case such lowest eligible local supplier fails to match the L1 price, the local supplier with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the local suppliers within the margin of purchase preference matches the L1 price, then the contract may be awarded to the L1 bidder.
- 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.
- Minimum local content: The minimum local content shall ordinarily be 50%. The Nodal Ministry may prescribe a higher or lower percentage in respect of any particular item and may also prescribe the manner of calculation of local content.
- 6. Margin of Purchase Preference: The margin of purchase preference shall be 20%.
- 7. Requirement for specification in advance: The minimum local content, the margin of purchase preference and the procedure for preference to Make in India shall be specified in the notice inviting tenders or other form of procurement solicitation and shall not be varied during a particular procurement transaction.
- 8. Government E-marketplace: In respect of procurement through the Government E-marketplace (GeM) shall, as far as possible, specifically mark the items which meet the minimum local content while registering the item for display, and shall, wherever feasible, make provision for automated comparison with purchase preference and without purchase preference and for obtaining consent of the local supplier in those cases where purchase preference is to be exercised.

9. Verification of local content:

- a. The local supplier at the time of tender, bidding or solicitation shall be required to provide self-certification that the item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made.
- b. In cases of procurement for a value in excess of Rs. 10 crores, the local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.
- c. Decisions on complaints relating to implementation of this Order shall be taken by the competent authority which is empowered to look into procurement-related complaints relating to the procuring entity.
- d. Nodal Ministries may constitute committees with internal and external experts for independent verification of self-declarations and auditor's/ accountant's certificates on random basis and in the case of complaints.

- e. Nodal Ministries and procuring entities may prescribe fees for such complaints.
- f. False declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.
- g. A supplier who has been debarred by any procuring entity for violation of this Order shall not be eligible for preference under this Order for procurement by any other procuring entity for the 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:
 - The fact and duration of debarment for violation of this Order by any procuring entity are promptly brought to the notice of the Member-Convenor of the Standing Committee and the Department of Expenditure through the concerned Ministry /Department or in some other manner;
 - ii. on a periodical basis such cases are consolidated and a centralized list or decentralized lists of such suppliers with the period of debarment is maintained and displayed on website(s);
 - iii. in respect of procuring entities other than the one which has carried out the debarment, the debarment takes effect prospectively from the date of uploading on the website(s) in the such a manner that ongoing procurements are not disrupted.

10. Specifications in Tenders and other procurement solicitations:

- a. Every procuring entity shall ensure that the eligibility conditions in respect of previous experience fixed in any tender or solicitation do not require proof of supply in other countries or proof of exports.
- b. Procuring entities shall endeavour to see that eligibility conditions, including on matters like turnover, production capability and financial strength do not result in unreasonable exclusion of local suppliers who would otherwise be eligible, beyond what is essential for ensuring quality or creditworthiness of the supplier.
- c. Procuring entities shall, within 2 months of the issue of this Order review all existing eligibility norms and conditions with reference to sub-paragraphs 'a' and 'b' above.
- d. If a Nodal Ministry is satisfied that Indian suppliers of an item are not allowed to participate and/ or compete in procurement by any foreign government, it may, if it deems appropriate, restrict or exclude bidders from that country from eligibility for procurement of that item and/ or other items relating to that Nodal Ministry. A copy of every instruction or decision taken in this regard shall be sent to the Chairman of the Standing Committee.

- e. For the purpose of sub-paragraph 10 d above, a supplier or bidder shall be considered to be from a country if (i) the entity is incorporated in that country, or ii) a majority of its shareholding or effective control of the entity is exercised from that country; or (iii) more 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."
- 10A. Action for non-compliance of the Provisions of the Order: In case restrictive or discriminatory conditions against domestic suppliers are included in bid documents, an inquiry shall be conducted by the Administrative Department undertaking the procurement (including procurement by any entity under its administrative control) to fix responsibility for the same. Thereafter, appropriate action, administrative or otherwise, shall be taken against erring officials of procurement entities under relevant provisions. Intimation on all such actions shall be sent to the Standing Committee.
- 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 licensel 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: The administrative Department undertaking the procurement (including procurement by any entity under its administrative control), with the approval of their Minister-in-charge, may by written order, for reasons to be recorded in writing,
 - a. reduce the minimum local content below the prescribed level; or
 - b. reduce the margin of purchase preference below 20%; or
 - exempt any particular item 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 provided to the Standing Committee and concerned Nodal Ministry / Department. The Nodal Ministry / Department concerned will continue to have the power to vary its notification on Minimum Local Content.

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.

- 6 -

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

Secretary, Department for Promotion of Industry and Internal Trade—Chairman Secretary, Commerce-Member Secretary, Ministry of Electronics and Information Technology-Member Joint Secretary (Public Procurement), Department of Expenditure—Member Joint Secretary (DPIIT)—Member-Convenor

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

- 17. Functions of the Standing Committee: The Standing Committee shall meet as often as necessary, but not less than once in six months. The Committee
 - a. shall oversee the implementation of this order and issues arising therefrom, and make recommendations to Nodal Ministries and procuring entities.
 - b. shall annually assess and periodically monitor compliance with this Order
 - c. shall identify Nodal Ministries and the allocation of items among them for issue of notifications on minimum local content
 - d. may require furnishing of details or returns regarding compliance with this Order and related matters
 - e. may, during the annual review or otherwise, assess issues, if any, where it is felt that the manner of implementation of the order results in any restrictive practices, cartelization or increase in public expenditure and suggest remedial measures
 - f. may examine cases covered by paragraph 13 above relating to manufacture under license/ technology transfer agreements with a view to satisfying itself that adequate mechanisms exist for enforcement of such agreements and for attaining the underlying objective of progressive indigenization
 - g. may consider any other issue relating to this Order which may arise.
- 18. Removal of difficulties: Ministries /Departments and the Boards of Directors of Government companies may issue such clarifications and instructions as may be necessary for the removal of any difficulties arising in the implementation of this Order.
- 19. Ministries having existing policies: Where any Ministry or Department has its own policy for preference to local content approved by the Cabinet after 1st January 2015, such policies will prevail over the provisions of this Order. All other existing orders on preference to local content shall be reviewed by the Nodal Ministries and revised as needed to conform to this Order, within two months of the issue of this Order.
- 20. Transitional provision: This Order shall not apply to any tender or procurement for which notice inviting tender or other form of procurement solicitation has been issued before the issue Asun Mahonem of this Order.

(Arun Mahendru Barrai) Senior Development Officer

Tel: 2306 2635

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

Dated 15th June, 2017 Udyog Bhawan, New Delhi

To

All Central Ministries/Departments/CPSUs/All concerned

ORDER

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

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

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

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

Now therefore the following Order is issued:

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

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

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

"£1" means the lowest tender or lowest bid or the lowest quotation received in a tender, bidding process or other procurement solicitation as adjudged in the evaluation process as per the tender or other procurement solicitation.

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

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

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

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

- 3. Requirement of Purchase Preference: Subject to the provisions of this Order and to any specific instructions issued by the Nodal Ministry or in pursuance of this Order, purchase preference shall be given to local suppliers in all procurements undertaken by procuring entities in the manner specified hereunder:
 - a. In procurement of goods in respect of which the Nodal Ministry has communicated that there is sufficient local capacity and local competition, and where the estimated value of procurement is Rs. 50 lakhs or less, only local suppliers shall be eligible. If the estimated value of procurement of such goods is more than Rs. 50 lakhs, the provisions of sub-paragraph b or c, as the case may be, shall apply.
 - b. In the procurements of goods which are not covered by paragraph 3a and which are divisible in nature, the following procedure shall be followed:
 - Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract for full quantity will be awarded to L1.
 - ii. If L1 bid is not from a local supplier, 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the local suppliers, will be invited to match the L1 price for the remaining 50% quantity subject to the local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such local supplier subject to matching the L1 price. In case such lowest eligible local supplier fails to match the L1 price or accepts less than the offered quantity, the next higher local supplier within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on local suppliers, then such balance quantity may also be ordered on the L1 bidder.
 - c. In procurements of goods not covered by sub-paragraph 3a and which are not divisible, and in procurement of services where the bid is evaluated on price alone, the following procedure shall be followed:
 - Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract will be awarded to L1.
 - ii. If L1 is not from a local supplier, the lowest bidder among the local suppliers, will be invited to match the L1 price subject to local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such local supplier subject to matching the L1 price.
 - iii. In case such lowest eligible local supplier fails to match the L1 price, the local supplier with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the local suppliers within the margin of purchase preference matches the L1 price, then the contract may be awarded to the L1 bidder.

......Contd. p.3/-

- 4. Exemption of small purchases: Notwithstanding anything contained in paragraph 3, procurements where the estimated value to be procured is less than Rs. 5 lakhs shall be exempt from this Order. However, it shall be ensured by procuring entities that procurement is not split for the purpose of avoiding the provisions of this Order.
- 5. Minimum local content: The minimum local content shall ordinarily be 50%. The Nodal Ministry may prescribe a higher or lower percentage in respect of any particular item and may also prescribe the manner of calculation of local content.
- 6. Margin of Purchase Preference: The margin of purchase preference shall be 20%.
- 7. Requirement for specification in advance: The minimum local content, the margin of purchase preference and the procedure for preference to Make in India shall be specified in the notice inviting tenders or other form of procurement solicitation and shall not be varied during a particular procurement transaction.
- 8. Government E-marketplace: In respect of procurement through the Government E-marketplace (GeM) shall, as far as possible, specifically mark the items which meet the minimum local content while registering the item for display, and shall, wherever feasible, make provision for automated comparison with purchase preference and without purchase preference and for obtaining consent of the local supplier in those cases where purchase preference is to be exercised.

9. Verification of local content:

- a. The local supplier at the time of tender, bidding or solicitation shall be required to provide self-certification that the item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made.
- b. In cases of procurement for a value in excess of Rs. 10 crores, the local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.
- c. Decisions on complaints relating to implementation of this Order shall be taken by the competent authority which is empowered to look into procurement-related complaints relating to the procuring entity.
- d. Nodal Ministries may constitute committees with internal and external experts for independent verification of self-declarations and auditor's/ accountant's certificates on random basis and in the case of complaints.
- e. Nodal Ministries and procuring entities may prescribe fees for such complaints.
- f. False declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.
- g. A supplier who has been debarred by any procuring entity for violation of this Order shall not be eligible for preference under this Order for procurement by any other procuring entity for the

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:
 - The fact and duration of debarment for violation of this Order by any procuring entity are promptly brought to the notice of the Member-Convenor of the Standing Committee and the Department of Expenditure through the concerned Ministry /Department or in some other manner;
 - ii. on a periodical basis such cases are consolidated and a centralized list or decentralized lists of such suppliers with the period of debarment is maintained and displayed on website(s);
 - iii. in respect of procuring entities other than the one which has carried out the debarment, the debarment takes effect prospectively from the date of uploading on the website(s) in the such a manner that ongoing procurements are not disrupted.

10. Specifications in Tenders and other procurement solicitations:

- a. Every procuring entity shall ensure that the eligibility conditions in respect of previous experience fixed in any tender or solicitation do not require proof of supply in other countries or proof of exports.
- b. Procuring entities shall endeavour to see that eligibility conditions, including on matters like turnover, production capability and financial strength do not result in unreasonable exclusion of local suppliers who would otherwise be eligible, beyond what is essential for ensuring quality or creditworthiness of the supplier.
- c. Procuring entities shall, within 2 months of the issue of this Order review all existing eligibility norms and conditions with reference to sub-paragraphs 'a' and 'b' above.
- d. If a Nodal Ministry is satisfied that Indian suppliers of an item are not allowed to participate and/ or compete in procurement by any foreign government, it may, if it deems appropriate, restrict or exclude bidders from that country from eligibility for procurement of that item and/ or other items relating to that Nodal Ministry. A copy of every instruction or decision taken in this regard shall be sent to the Chairman of the Standing Committee.
- e. For the purpose of sub-paragraph 10 d above, a supplier or bidder shall be considered to be from a country if (i) the entity is incorporated in that country, or ii) a majority of its shareholding or effective control of the entity is exercised from that country; or (iii) more that 50% of the value of the item being supplied has been added in that country. Indian suppliers shall mean those entities which meet any of these tests with respect to India."

......Contd.p.5/-

- 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 classes of items or procuring or supplying entities from the operation of this Order or any part of the Order.

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

- 15. Directions to Government companies: In respect of Government companies and other procuring entities not governed by the General Financial Rules, the administrative Ministry or Department shall issue policy directions requiring compliance with this Order.
- 16. Standing Committee: A standing committee is hereby constituted with the following membership:

Secretary, Department of Industrial Policy and Promotion—Chairman

Secretary, Commerce-Member

Secretary, Ministry of Electronics and Information Technology-Member

Joint Secretary (Public Procurement), Department of Expenditure-Member

Joint Secretary (DIPP)-Member-Convenor

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

.....Contd.p.6/-

- 17. Functions of the Standing Committee: The Standing Committee shall meet as often as necessary but not less than once in six months. The Committee
 - a. shall oversee the implementation of this order and issues arising therefrom, and make recommendations to Nodal Ministries and procuring entities.
 - b. shall annually assess and periodically monitor compliance with this Order
 - c. shall identify Nodal Ministries and the allocation of items among them for issue of notifications on minimum local content
 - d. may require furnishing of details or returns regarding compliance with this Order and related
 - e. may, during the annual review or otherwise, assess issues, if any, where it is felt that the manner of implementation of the order results in any restrictive practices, cartelization or increase in public expenditure and suggest remedial measures
 - f. may examine cases covered by paragraph 13 above relating to manufacture under license/ technology transfer agreements with a view to satisfying itself that adequate mechanisms exist for enforcement of such agreements and for attaining the underlying objective of progressive indigenization
 - g. may consider any other issue relating to this Order which may arise.
- 18. Removal of difficulties: Ministries /Departments and the Boards of Directors of Government companies may issue such clarifications and instructions as may be necessary for the removal of any difficulties arising in the implementation of this Order.
- 19. Ministries having existing policies: Where any Ministry or Department has its own policy for preference to local content approved by the Cabinet after 1st January 2015, such policies will prevail over the provisions of this Order. All other existing orders on preference to local content shall be reviewed by the Nodal Ministries and revised as needed to conform to this Order, within two months of the issue of this Order.
- 20. Transitional provision: This Order shall not apply to any tender or procurement for which notice inviting tender or other form of procurement solicitation has been issued before the issue of this Order.

Under Secretary to Government of India

Ph. 2306 257

APPENDIX-B INTEGRITY PACT

PRE-CONTRACT INTEGRITY PACT

This Pre-Contract Integrity Pact (herein after called the Integrity Pact) is made on31 ST day of the month ofMAY 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 Bhawan, 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
- 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 disfavour 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 defence 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

- a. 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.
- b. 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 his 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 Defence 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.
- 13.2 If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- 13.3 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.