

TENDER ENQUIRY DOCUMENT

**FOR PURCHASE OF
128-SLICE PET - CT SCANNER
&
DUAL PARTICLE CYCLOTRON**

On behalf of

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES Bhubaneswar,
(Odisha) – 751 019**

HITES/PCD/AIIMS-BBSR/01/18-19

Through



HLL INFRA TECH SERVICES LIMITED

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

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

Phone: 0120-4071500; Fax: 0120-4071513

URL: www.hllhites.com

Email: pcd@hllhites.com

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SECTION I

NOTICE INVITING TENDER (NIT)

Tender Enquiry No.: HITES/PCD/AIIMS-BBSR/01/18-19

Dated: 20.04.2018

Procurement & Consultancy Services Division of **HLL Infra Tech Services Limited (HITES)**, a fully owned subsidiary of HLL Lifecare Ltd. (HLL), for and on behalf of ALL INDIA INSTITUTE OF MEDICAL SCIENCES Bhubaneswar, (Odisha), invites sealed tenders, from eligible and qualified tenderers for supply of **128-Slice PET/ CT Scanner & Dual Particle Cyclotron** in department of **Nuclear Medicine** of ALL INDIA INSTITUTE OF MEDICAL SCIENCES Bhubaneswar, (Odisha).

Sl No	RFx No	Equipment	Quantity	Tender Processing Fee (INR)*	EMD (INR)
1	3000002824	128-Slice PET/ CT Scanner	1	5900	36,00,000
2	3000002825	Dual Particle Cyclotron	1	5900	60,00,000

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

(1) Tender timeline:

Sl. No.	Description	Schedule
a.	Last date for receipt of Pre-bid queries	25.04.2018, 06:00 PM
b.	Pre-bid meeting date, time	27.04.2018, 11:00 AM
d.	Closing date & time for submission of online bids	06.06.2018, 01:00 PM
c.	Closing date & time for submission of tender processing fee and EMD in physical form*	06.06.2018, 02:00 PM
e.	Time and date of opening of online bids	06.06.2018, 02:30 PM
f.	Venue for :- • Submission of tender processing fee, EMD in physical form. • Tender Opening-Tech Bid	HLL Infra Tech Services Limited, Procurement & Consultancy Services Division, B-14 A, Sector-62, Noida-201307

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

SPECIFIC Instructions for e-Tender Participation:-

- Bidders should have valid Class 3-B Digital Signature Certificate with encryption.
- Bidders are requested to read the bidders help document on e-tender web site link before proceeding for bidding.
- The prospective bidders have to register with the E-procurement system of HLL at <https://etender.lifecarehll.com/irj/portal>. On completion of the registration process, the bidders will be provided user ID and password within 48 hours (excluding non-working days). In order to submit the bids electronically, bidders are required to have a valid Class 3-B Digital Signature Certificate (signing and encryption/ decryption certificates).
- Post receipt of User ID & Password, Bidders can log on for downloading & uploading tender document.
- The tenderers shall submit Tender Processing Fee and EMD in physical form at the scheduled time and venue.

8. Tenderer may download the tender enquiry documents from the web site www.hllhites.com or www.lifecarehll.com or www.eprocure.gov.in/cppp or <https://etender.lifecarehll.com/irj/portal> .
9. The bidders shall submit the required Tender Processing Fee (in form of Demand Draft or Banker's Cheque) and EMD (as per GIT clause no. 19.3) in physical form in favour of 'HLL Infra Tech Services Limited' at the scheduled time and venue. **Tender processing Fee is required from all the bidders irrespective of their registration with NSIC or any other Govt. Organisation.**
10. All the tender related documents to be scanned in .pdf format with lower resolution and 100% readability and submitted online. The bidders shall not submit any other documents in physical form other than the documents mentioned at point no 9 above.
11. Prospective bidders may send their queries 02 (two) days before the pre-bid meeting so that they can be studied and addressed during pre-bid meeting. Query can also be raised during pre-bid meeting. No queries/ representations will be entertained after pre-bid meeting
12. All prospective tenderers may attend the Pre Tender meeting. The venue, date and time indicated above.
13. Bidders shall ensure that their bids complete in all respects, are submitted **online through HLL's e-portal (as described above) ONLY. No DEVIATION is acceptable.**
14. Bidders may simulate bid submission (technical & financial) at least one week in advance of the bid submission deadline. No clarifications/troubleshooting regarding any problems being faced during online bid submission shall be entertained in the last week of bid submission

IMPORTANT NOTE:-

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

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

**CEO
HLL Infra Tech Services Limited**

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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 ALL INDIA INSTITUTE OF MEDICAL SCIENCES Bhubaneswar, (Odisha) – 751 019
- (ii) **“e-Tender”** means Bids / Quotation / Tender received from a Firm / Tenderer / Bidder online.
- (iii) **“Tenderer”** means Bidder/the Individual or Firm submitting Bids/Quotation/e-Tenders.
- (iv) **“Supplier”** means the individual or the firm supplying the goods and services as incorporated in the contract.
- (v) **“Goods”** means the articles, material, commodities, livestock, furniture, fixtures, raw material, spares, instruments, machinery, equipment, medical equipment, industrial plant etc. which the supplier is required to supply to the purchaser under the contract.
- (vi) **“Services”** means services allied and incidental to the supply of goods, such as transportation, installation, commissioning, provision of technical assistance, training, after sales service, maintenance service and other such obligations of the supplier covered under the contract.
- (vii) **“Earnest Money Deposit” (EMD)** means Bid Security/ monetary or financial guarantee to be furnished by a tenderer along with its tender.
- (viii) **“Contract”** means the written agreement entered into between the purchaser and/or consignee and the supplier, together with all the documents mentioned therein and including all attachments, annexure etc. therein.
- (ix) **“Performance Security”** means monetary or financial guarantee to be furnished by the successful tenderer for due performance of the contract placed on it. Performance Security is also known as Security Deposit.
- (x) **“Consignee”** means the Hospital/Institute/Medical College/ person to whom the goods are required to be delivered as specified in the Contract. If the goods are required to be delivered to a person as an interim consignee for the purpose of despatch to another person as provided in the Contract then that “another” person is the consignee, also known as ultimate consignee.
- (xi) **“Specification”** means the document/standard that prescribes the requirement with which goods or service has to conform.
- (xii) **“Inspection”** means activities such as measuring, examining, testing, gauging one or more characteristics of the product or service and comparing the same with the specified requirement to determine conformity.
- (xiii) **“Day”** means calendar day.
- (xiv) **“Local supplier”** means a supplier or service provider whose product or service offered for procurement meets the minimum local content as prescribed under this Order or by the competent Ministries/ Departments in pursuance of this order.
- (xv) **“Local content”** means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value in percent.
- (xvi) **Margin of purchase preference’** means the maximum extent to which the price quoted by a local supplier may be above the L1 for the purpose of purchase preference.

1.3 Abbreviations:

- (i) **“TE Document”** means Tender Enquiry Document
- (ii) **“NIT”** means Notice Inviting Tenders.

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

2. Introduction

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

3. Availability of Funds

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

4. Language of Tender

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

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

5. Eligible Tenderers

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

6. Eligible Goods and Services

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

7. Tendering Expense

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

B. e-TENDER ENQUIRY DOCUMENTS**8. Content of Tender Enquiry Documents**

8.1 In addition to Section I – “Notice inviting e-Tender” (NIT), the TE documents include:

- Section II – General Instructions to Tenderers (GIT)
- Section III – Special Instructions to Tenderers (SIT)
- Section IV – General Conditions of Contract (GCC)
- Section V – Special Conditions of Contract (SCC)
- Section VI – List of Requirements
- Section VII – Technical Specifications
- Section VIII – Quality Control Requirements
- Section IX – Qualification Criteria
- Section X – Tender Form
- Section XI – Price Schedules
- Section XII – Questionnaire
- Section XIII – Bank Guarantee Form for EMD
- Section XIV – Manufacturer’s Authorisation Form
- Section XV – Bank Guarantee Form for Performance Security/CMC Security
- Section XVI – Contract Forms A & B
- Section XVII – Proforma of Consignee Receipt Certificate
- Section XVIII – Proforma of Final Acceptance Certificate by the consignee
- Section XIX – Consignee List
- Appendix A – DIPP – Public Procurement (Preference to Make in India), Order 2017**
- Appendix B – Integrity pact**

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

9. Amendments to TE documents

9.1 At any time prior to the deadline for submission of tenders, the purchaser may, for any reason deemed fit by it, modify the TE documents by issuing suitable amendment(s) to it.

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

9.3 In order to provide reasonable time to the prospective tenderers to take necessary action in preparing their tenders as per the amendment, the purchaser may, at its discretion extend the deadline for the submission of tenders and other allied time frames, which are linked with that deadline.

10. Clarification of TE documents

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

C. PREPARATION OF e-TENDERS

11. Documents comprising the e-Tender

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

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

Note:

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

A) Details of Technical Tender (Un priced Tender)

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

- i) Techno-Commercial Bid in excel format provided with the tender enquiry
- ii) Earnest money Deposit (EMD) furnished in accordance with GIT clause 19.1 alternatively, documentary evidence as per GIT clause 19.2 for claiming exemption from payment of earnest money.

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

B) Price Bid:

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

Note:

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

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

12. Tender currencies

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

13 Tender Prices

- 13.1 The Tenderer shall indicate on the Price Schedule provided under Section XI all the specified components of prices shown therein including the unit prices and total tender prices of the goods and services it proposes to supply against the requirement. All the columns shown in the price schedule should be filled up as required.
- 13.2 If there is more than one schedule in the List of Requirements, the tenderer has the option to submit its quotation for any one or more schedules. However, while quoting for a schedule, the tenderer shall quote for the complete requirement of goods and services as specified in that particular schedule.
- 13.3 The quoted prices for goods offered from within India and that for goods offered from abroad are to be indicated separately in the applicable Price Schedules attached under Section XI.
- 13.4 While filling up the columns of the Price Schedule, the following aspects should be noted for compliance:
- 13.4.1 For domestic goods or goods of foreign origin located within India, the prices in the corresponding price schedule shall be entered separately in the following manner:
- a) The price of the goods, quoted ex-factory/ ex-showroom/ ex-warehouse/ off-the-shelf, as applicable, including all taxes and duties like, Custom Duty and/or GST already paid or payable on the components and raw material used in the manufacture or assembly of

the goods quoted ex-factory etc. or on the previously imported goods of foreign origin quoted ex-showroom etc;

- b) Any taxes and duties including Custom duty and/or GST, which will be payable on the goods in India if the contract is awarded;
- c) Charges towards Packing & Forwarding, Inland Transportation, Insurance (local transportation and storage), Loading & Unloading etc. would be borne by the Supplier from ware house to the consignee site for a period including 3 months beyond date of delivery, Loading/Unloading and other local costs incidental to delivery of the goods to their final destination as specified in the List of Requirements and Price Schedule;
- d) The price of Incidental Services, as mentioned in List of Requirements and Price Schedule;
- e) The prices of Site Modification Work (if any), as mentioned in List of Requirements, Technical Specification and Price Schedule.
- f) The price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.

13.4.2 For goods offered from abroad, the prices in the corresponding price schedule shall be entered separately in the following manner:

- a) The price of goods quoted FOB/FCA port of shipment, as indicated in the List of Requirements and Price Schedule;
- b) Price of goods quoted CIP (name port of destination) in India as indicated in the List of Requirements, Price Schedule and Consignee List
- c) The charges for Insurance (local transportation and storage), custom 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 the Customs duty wherever applicable upon actual production of documentary evidence.

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

- a. If a tenderer asks for Goods and Services Tax to be paid extra, the rate and nature of Goods and Services Tax applicable should be shown separately. The Goods and Services Tax will be paid as per the rate at which it is liable to be assessed or has actually been assessed provided the transaction is legally liable to Goods and Services Tax and is payable as per the terms of the contract. If any refund of Tax is received at a later date, the Supplier must return the amount forth-with to the purchaser.
 - b. In case within the delivery period stipulated in the contract, there is an increase in the statutory taxes like GST, Custom Duty, or fresh imposition of taxes which may be levied in respect of the goods and services specified in the contract, reimbursement of these statutory variation shall be allowed to the extent of actual quantum of taxes paid by the supplier. This benefit, however, cannot be availed by the supplier in case the period of delivery is extended due to unexcused delay by the supplier.
 - c. But nevertheless, the Purchaser/Consignee shall be entitled to the benefit of any decrease in price on account of reduction in or remission of customs duty and/or GST or any other duty or tax or levy or on account of any other grounds. In case of downward revision in taxes/duties, the actual quantum of reduction of excise duty must be reimbursed to the purchaser by the supplier. All such adjustments shall include all reliefs, exemptions, rebates, concession etc. if any obtained by the supplier.
- 13.6 For transportation of imported goods offered from abroad, relevant instructions as incorporated under GCC Clause 10 shall be followed.
- 13.7 For insurance of goods to be supplied, relevant instructions as provided under GCC Clause 11 shall be followed.
- 13.8 Unless otherwise specifically indicated in this TE document, the terms FCA, FOB, FAS, CIF, CIP, DDP etc. for imported goods offered from abroad, shall be governed by the rules & regulations prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, Paris
- 13.9 The need for indication of all such price components by the tenderers, as required in this clause (viz., GIT clause 13) is for the purpose of comparison of the tenders by the purchaser and will no way restrict the purchaser's right to award the contract on the selected tenderer on any of the terms offered.

14. **Indian Agent**

- 14.1 If a foreign tenderer has engaged an agent in India in connection with its tender, the foreign tenderer, in addition to indicating Indian agent's commission, if any, in a manner described under GIT sub clause 12.2 above, shall also furnish the following information:
- a) The complete name and address of the Indian Agent and its permanent income tax account number as allotted by the Indian Income Tax authority.
 - b) The details of the services to be rendered by the agent for the subject requirement.
 - c) Details of Service outlets in India, nearest to the consignee(s), to render services during Warranty and CMC period.
 - d) 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).

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

15. Firm Price

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

16. Alternative Tenders

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

17 Documents Establishing Tenderer's Eligibility and Qualifications

- 17.1 Pursuant to GIT clause 11, the tenderer shall furnish, as part of its tender, relevant details and documents establishing its eligibility to quote and its qualifications to perform the contract if its tender is accepted.
- 17.2 The documentary evidence needed to establish the tenderer's qualifications shall fulfil the following requirements:
- a) in case the tenderer offers to supply goods, which are manufactured by some other firm, the tenderer has been duly authorised by the goods manufacturer to quote for and supply the goods to the purchaser. The tenderer shall submit the manufacturer's authorization letter to this effect as per the standard form provided under Section XIV in this document.
 - b) the tenderer has the required financial, technical and production capability necessary to perform the contract and, further, it meets the qualification criteria incorporated in the Section IX in these documents.
 - c) in case the tenderer is not doing business in India, it is duly represented by an agent stationed in India fully equipped and able to carry out the required contractual functions and duties of the supplier including after sale service, maintenance & repair etc. of the goods in question, stocking of spare parts and fast moving components and other obligations, if any, specified in the conditions of contract and/or technical specifications.
 - d) Deleted.

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

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

19. Earnest Money Deposit (EMD)

- 19.1 Pursuant to GIT clauses 8.1 and 11.1 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).
- 19.3 The earnest money shall be denominated in Indian Rupees or equivalent currencies as per GIT clause 12.2. The earnest money shall be furnished in one of the following forms:
- i) Account Payee Demand Draft
 - ii) Fixed Deposit Receipt
 - iii) Banker's cheque and
 - iv) Bank Guarantee
- 19.4 The demand draft or banker's cheque or Fixed Deposit Receipt shall be drawn on any scheduled commercial bank in India or country of the tenderer, in favour of the "**HLL Infra Tech Services Limited**" payable at New Delhi. In case of bank guarantee, the same is to be provided from any scheduled commercial bank in India or country of the tenderer as per the format specified under Section XIII in these documents.
- 19.5 The earnest money shall be valid for a period of forty-five (45) days beyond the validity period of the tender. As validity period of Tender as per Clause 20 of GIT is 120 days, the EMD shall be valid for 165 days from Techno – Commercial Tender opening date.
- 19.6 Unsuccessful tenderers' earnest money will be returned to them without any interest, after expiry of the tender validity period, but not later than thirty days after conclusion of the resultant contract. Successful tenderer's earnest money will be returned without any interest, after receipt of performance security from that tenderer.
- 19.7 Earnest Money is required to protect the purchaser against the risk of the Tenderer's conduct, which would warrant the forfeiture of the EMD. Earnest money of a tenderer will be forfeited, if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender or if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged without prejudice to other rights of the purchaser. The successful tenderer's earnest money will be forfeited without prejudice to other rights of Purchaser if it fails to furnish the required performance security within the specified period.
- 19.8 In the case of Bank Guarantee furnished from banks outside India (i.e. foreign Banks), it should be authenticated and countersigned by any nationalised bank in India by way of back-to-back counter guarantee and the same should be submitted along with the bid.

20. Tender Validity

- 20.1 If not mentioned otherwise in the SIT, the tenders shall remain valid for acceptance for a period of 120 days (One hundred and twenty days) after the date of tender opening prescribed in the TE document. Any tender valid for a shorter period shall be treated as unresponsive and rejected.
- 20.2 In exceptional cases, the tenderers may be requested by the purchaser to extend the validity of their tenders up to a specified period. Such request(s) and responses thereto shall be conveyed by surface mail or by fax/ telex/cable followed by surface mail. The tenderers, who agree to extend the tender validity, are to extend the same without any change or modification of their original tender and they are also to extend the validity period of the EMD accordingly. A tenderer, who may not agree to extend its tender validity after the expiry of the original validity period the EMD furnished by them shall not be forfeited.

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

21. Digital Signing of Tender

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

D. SUBMISSION OF TENDERS

22. Submission of e-Tenders

- 22.1 The tender shall be submitted online only.

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

- a) Scanned copies of tender processing fee and EMD
- b) Manufacturer's authorization in case bid is submitted by an Indian agent (A declaration must be attached here in case directly quoted by a manufacturer or a document establishing the relation of the Indian office with the manufacturer in case quoted by Indian office of the manufacturer).
- c) Tender Form as per Section X.
- d) Compliance of all terms and conditions of TED like- warranty, CMC, delivery period, delivery terms, payment terms, Liquidated Damages Clause, Arbitration clause, etc
- e) Declaration regarding Fall Clause and Deregistration, debarment from any Govt Dept/ Agencies
- f) Copy of PAN.
- g) Certificate of Incorporation/ or a Declaration in case the firm is being a proprietary firm.
- h) Abridged Annual report of last 03 years (Balance sheet and Profit & Loss Account) completed till December 2017, in pdf format.
- i) Name, address and details of account with respect to bidder and/or beneficiary of L/C.
- j) Quality Control Requirements as per Section VIII
- k) Performance statement along with required PO copies and its corresponding end user's satisfactory performance certificate as per section IX.
- l) Technical Bid along with clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications along with product catalogue and data sheet in the tender enquiry.
- m) The bidder should submit blank proforma invoice from the foreign manufacturer along with his technical bid, duly mentioning the specifications and code number of the parts quoted.
- n) The original proforma invoices from the foreign principal will be applicable in case of 100% subsidiary companies incorporated in India also.
- o) In case the bidder quotes an equipment of a foreign manufacturer and submits the documents as per Clause 22.1 (i) l & m from the subsidiary company of the foreign Original Equipment Manufacturer in India, the bidder must submit the Power of Attorney given to the subsidiary company by the foreign Original Equipment Manufacturer, authorizing it to do business and perform all obligations for and on behalf of the foreign manufacturer company, in India.
- p) A 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 tenderer is permitted to change, edit or withdraw its bid on or before the end date & time of bid opening.

E. TENDER OPENING

25. Opening of Tenders

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

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

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

The tender opening official(s) will prepare a list of the representatives attending the tender opening. The list will contain the representatives' names & signatures and corresponding tenderers' names and addresses.

25.3 This being a Two - Tender system, the **Techno - Commercial Tenders** are to be opened in the first instance, at the prescribed time and date as indicated in NIT. These Tenders shall be scrutinized and evaluated by the competent committee/ authority with reference to parameters prescribed in the TE document. During the Techno - Commercial Tender opening, the tender

opening official(s) will read the salient features of the tenders like brief description of the goods offered, delivery period, Earnest Money Deposit and any other special features of the tenders, as deemed fit by the tender opening official(s). Thereafter, in the second stage, the Price Tenders of only the Techno - Commercially acceptable offers (as decided in the first stage) shall be opened for further scrutiny and evaluation on a date notified after the evaluation of the Techno-Commercial tender.

F. SCRUTINY AND EVALUATION OF TENDERS

26. Basic Principle

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

27. Scrutiny of Tenders

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

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

27.3 Deleted

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

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

- (i) Tender validity is shorter than the required period.
- (ii) Required EMD or its exemption documents have not been provided.
- (iii) Tenderer has not agreed to give the required performance security of required amount in an acceptable form in terms of GCC clause 5, read with modification, if any, in Section - V – "Special Conditions of Contract", for due performance of the contract.
- (iv) Poor/ unsatisfactory past performance.
- (v) Tenderers who stand deregistered/banned/blacklisted by any Govt. Authorities.
- (vi) Tenderer is not eligible as per GIT Clauses 5.1 & 17.1.
- (vii) Tenderer has not quoted for the entire quantity as specified in the List of Requirements/ BOQ for the quoted schedule.
- (viii) Tenderer has not agreed to other essential condition(s) specially incorporated in the tender enquiry, like delivery terms, delivery schedule, terms of payment, liquidated damages clause, warranty clause, dispute resolution mechanism applicable law.
- (ix) A tenderer quoting imported goods located within India shall produce documentary evidence of the goods having been imported and already located within India (i.e. Bills of Entry for the quoted items and a self-declaration confirming that the quoted items were imported for the purpose of storage in bidder warehouse and for further sale), along with their techno-commercial bid.
- (x) ***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

If during the preliminary examination, the purchaser find any minor informality and/or irregularity and/or non-conformity in a tender, the purchaser may waive the same provided it does not constitute any material deviation and financial impact and, also, does not prejudice or affect the ranking order of the tenders. Wherever necessary, the purchaser will convey its observation on such 'minor' issues to the tenderer by registered/speed post etc. asking the tenderer to respond by a specified date. If the tenderer does not reply by the specified date or gives evasive reply without clarifying the point at issue in clear terms, that tender will be liable to be ignored.

29 Discrepancies in Prices

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

30. Discrepancy between original and copies of Tender

Not applicable being e-Tender.

31. Qualification Criteria

- 31.1 Bids which do not meet the required Qualification Criteria prescribed in Section IX, will be treated as non - responsive and will not be considered further.
- 31.2 The Purchaser reserves the right to relax the Norms on Prior Experience for Start-ups and Micro & Small Enterprises in Public Procurement.

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

The Notification is available in the below link:

http://www.finmin.nic.in/the_ministry/dept_expenditure/ppcell/RelaxNorms_StartupMedEnterprise25072016.pdf

The FAQs are available in the below link:

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

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

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

32. Conversion of tender currencies to Indian Rupees

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

33. Schedule-wise Evaluation

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

34. Comparison of Tenders

34.1 Unless mentioned otherwise in Section – III – Special Instructions to Tenderers and Section – VI – List of Requirements, the comparison of the responsive tenders shall be carried out on Delivery Duty Paid (DDP) consignee site basis. The quoted Site Modification Work prices and Comprehensive Annual Maintenance charges (CMC) prices will also be added for comparison/ ranking purpose for evaluation. **“Net Present value (NPV) of the actual CMC price quoted for the required CMC period after the warranty period shall be considered for bid comparison and the NPV will be calculated after discounting the quoted CMC price by a discounting factor of 10% per annum.”**

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

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

- i) In the case of goods manufactured in India or goods of foreign origin already located in India, GST or any other taxes which will be contractually payable (to the tenderer), on the goods if a contract is awarded on the tenderer; and
- ii) in the case of goods of foreign origin offered from abroad, customs duty and other similar import duties/taxes, which will be contractually payable (to the tenderer) on the goods if the contract is awarded on the tenderer.

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

35.3 The Purchaser reserves the right to give the price preference to small-scale sectors etc. and purchase preference to central public sector undertakings as per the instruction in vogue while evaluating, comparing and ranking the responsive tenders.

- i. In exercise of powers conferred in Section 11 of the Micro, Small and Medium Enterprises Development (MSMED) Act 2006, the Government has notified a new Public Procurement Policy for Micro & Small Enterprises effective from 1st April 2012. The policy mandates that 20% of procurement of annual requirement of goods and services by all Central Ministries / Public Sector Undertakings will be from the micro and small enterprises. The Government has also earmarked a sub-target of 4% procurement of goods & services from MSEs owned by SC/ST entrepreneurs out of above said 20% quantity.
- ii. In accordance with the above said notification, the participating Micro and Small Enterprises (MSEs) in a tender, quoting price within the band of L 1+15% would also be allowed to supply a portion of the requirement by bringing down their price to the L 1 price, in a situation where L 1 price is from someone other than an MSE. Such MSEs would be allowed to supply up to 20% of the total tendered value. In case there are more than one such eligible MSE, the 20% supply will be shared equally. Out of 20% of the quantity earmarked for supply from MSEs, 4% quantity is earmarked for procurement from MSEs owned by SC/ST entrepreneurs. However, in the event of failure of such MSEs to participate in the tender process or meet the tender requirements and the L 1 price, the 4% quantity earmarked for

MSEs owned by SC/ST entrepreneurs will be met from other participating MSEs.

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

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

- a. The local supplier at the time of tender, bidding or solicitation shall be required to provide self-certification that the item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made.
- b. In cases of procurement for a value in excess of Rs. 10 crores. the local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.

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

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

- (c) If the estimated value of procurement of goods is more than Rs.50 lakhs and which are not divisible, the following procedure would apply:
- i). Among all qualified bids, the lowest bid will be termed as L-1. If L-1 is from a local supplier, the contract will be awarded to L-1.
 - ii). If L-1 is not from local supplier, the lowest bidder among the local suppliers, will be invited to match the L-1 price subject to local supplier's quoted prices falling within the margin of purchase preference, and the contract shall be awarded to such local supplier subject to matching the L-1 price.
 - iii). In case such lowest eligible local supplier fails to match the L-1 price, the local supplier with the next higher bid within the margin of purchase preference shall be invited to match the L-1 price and so on and contract shall be awarded accordingly. In case none of the local suppliers within the margin of purchase preference matches the L-1 price then the contract may be awarded to L-1 bidder.
- 35.5 Minimum Local Content: A supplier shall be considered as local supplier provided the minimum local content of the offered item is 50%.
- 35.6 Margin of Purchase Preference: The margin of purchase preference shall be 20%.
- 35.6 Manufacture under license/technology collaboration agreements with phased indigenization are exempted from meeting the stipulated local content if the product is being manufactured in India under a license from a foreign manufacturer who holds intellectual property rights and where there is a technology collaboration agreement/transfer of technology agreement for indigenous manufacture of a product developed abroad with clear phasing of increase in local content
- 35.7 Verification of local content
- a. The local supplier at the time of tender, bidding or solicitation shall be required to provide self-certification that the item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made.
 - b. In cases of procurement for a value in excess of Rs. 10 crores, the local supplier shall require to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.
 - c. Decisions on complaints relating to implementation of this Order shall be taken by the competent authority which is empowered to look into procurement-related complaints relating the procuring entity.
 - d. A constituted committee with internal and external experts will examine for independent verification of self-declarations and auditor's/accountant's certificates on random basis and in the case of complaints.
 - e. A fees of Rs.10000/- in the form of demand draft favouring CFO (HLL Infratech Services Limited), payable at New Delhi, is required to be deposited with complaints for verification of local content.
 - f. False declarations will be breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.
 - g. A supplier who has been debarred by any procuring entity for violation of this Order shall not be eligible for preference under this Order for procurement by any other procuring entity for the duration of the debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities.

36. Tenderer's capability to perform the contract

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

37. Contacting the Purchaser

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

G. AWARD OF CONTRACT**38. Purchaser's Right to accept any tender and to reject any or all tenders**

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

39. Award Criteria

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

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

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

41. Notification of Award

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

be cancelled. Relevant details about the performance security have been provided under GCC Clause 5 under Section IV.

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

42. Issue of Contract

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

42.2 Within twenty one days from the date of the contract, the successful tenderer shall return the original copy of the contract, duly signed and dated, to the Purchaser/Consignee by registered/speed post. The successful tenderer should also submit Proforma Invoice from the foreign principal (if applicable as per contractual price) within 21 days from the date of NOA.

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

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

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

44. Return of EMD

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

45. Publication of Tender Result

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

46. Corrupt or Fraudulent Practices

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

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

- (i) “corrupt practice” means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution; and
 - (ii) “fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition;
- (b) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
- (c) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract by the purchaser if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing the contract.

SECTION - III**SPECIAL INSTRUCTIONS TO TENDERERS (SIT)**

Sl. No.	GIT Clause No.	Topic	SIT Provision	Page No.
A	1 to 7	Preamble	No Change	
B	8 to 10	TE documents	No Change	
C	11 to 21	Preparation of Tenders	No Change	
D	22 to 24	Submission of Tenders	Extra information	17
E	25	Tender Opening	No Change	
F	26 to 37	Scrutiny and Evaluation of Tenders	No Change	
G	38 to 45	Award of Contract	Extra Information	24

The following Special Instructions to Tenderers will apply for this purchase. These special instructions will modify/substitute/supplement the corresponding General Instructions to Tenderers (GIT) incorporated in Section II. The corresponding GIT clause numbers have also been indicated in the text below:

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

SUBMISSION OF e-TENDERS

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

AWARD OF CONTRACT

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

SECTION - IV
GENERAL CONDITIONS OF CONTRACT (GCC)

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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 transshipment (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 transshipment 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:

- The supplier warrants comprehensively that the goods supplied under the contract is new, unused and incorporate all recent improvements in design and materials unless prescribed otherwise by the purchaser in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials (except when the design adopted and/or the material used are as per the Purchaser's/Consignee's specifications) or workmanship or from any act or omission of the supplier, that may develop under normal use of the supplied goods under the conditions prevailing in India.
- The warranty shall remain valid for 60 months from the date of installation & commissioning with a regular updates of newer technology as and when evolved followed by a CMC for a period of 5 (Five) Years for all the equipment after the goods or any portion thereof as the case may be, have been delivered to the final destination and installed and commissioned at the final destination and accepted by the purchaser/ consignee in terms of the contract, unless specified otherwise in the SCC.
- No conditional warranty will be acceptable.
- Warranty as well as Comprehensive Maintenance contract will be inclusive of all accessories and Site Modification work and it will also cover the following wherever applicable:-
 - Any kind of motor.
 - Plastic & Glass Parts against any manufacturing defects.
 - All kind of sensors.
 - All kind of coils, probes and transducers.
 - Printers and imagers including laser and thermal printers with all parts.
 - UPS including the replacement of batteries.
 - Air-conditioners
 - Replacement and repair will be under taken for the defective goods.
 - All kinds of painting, civil, HVAC and electrical work
 - Proper marking has to be made for all spares for identification like printing of installation and repair dates.

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

- 15.4 Upon receipt of such notice, the supplier shall, within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis respond to take action to repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/goods after providing their replacements and no claim, whatsoever shall lie on the purchaser for such replaced parts/goods thereafter. The penalty clause for non-rectification will be applicable as per tender conditions
- 15.5 In the event of any rectification of a defect or replacement of any defective goods during the warranty period, the warranty for the rectified/replaced goods shall be extended till the completion of the original warranty period of the main equipment.
- 15.6 If the supplier, having been notified, fails to respond to take action to repair or replace the defect(s) within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis, the purchaser may proceed to take such remedial action(s) as deemed fit by the purchaser, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which the purchaser may have against the supplier.
- 15.7 During Warranty period, the supplier is required to visit at each consignee's site at least once in 6 months commencing from the date of the installation for preventive maintenance of the goods
- 15.8 The Purchaser/Consignee reserve the rights to enter into Annual Comprehensive Maintenance Contract between Consignee and the Supplier for the period as mentioned in Section VII, Technical Specifications after the completion of warranty period.
- 15.9 The supplier along with its Indian Agent and the CMC provider shall ensure continued supply of the spare parts for the machines and equipment supplied by them to the purchaser for 10 years from the date of installation and handing over.
- 15.10 The Supplier along with its Indian Agent and the CMC Provider shall always accord most favoured client status to the Purchaser vis-à-vis its other Clients/Purchasers of its equipment/ machines/ goods etc. and shall always give the most competitive price for its machines/ equipment supplied to the Purchaser/Consignee.

16. Assignment

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

17. Sub Contracts

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

18. Modification of Contract

- 18.1 If necessary, the purchaser may, by a written order given to the supplier at any time during the currency of the contract, amend the contract by making alterations and modifications within the general scope of contract in any one or more of the following:
- a) Specifications, drawings, designs etc. where goods to be supplied under the contract are to be specially manufactured for the purchaser,
 - b) Mode of packing,
 - c) Incidental services to be provided by the supplier
 - d) Mode of despatch,
 - e) Place of delivery, and
 - f) Any other area(s) of the contract, as felt necessary by the purchaser depending on the merits of the case.

18.2 In the event of any such modification/alteration causing increase or decrease in the cost of goods and services to be supplied and provided, or in the time required by the supplier to perform any obligation under the contract, an equitable adjustment shall be made in the contract price and/or contract delivery schedule, as the case may be, and the contract amended accordingly. If the supplier doesn't agree to the adjustment made by the Purchaser/Consignee, the supplier shall convey its views to the Purchaser/Consignee within twenty-one days from the date of the supplier's receipt of the Purchaser's/Consignee's amendment / modification of the contract.

19. Prices

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

20. Taxes and Duties

20.1 Supplier shall be entirely responsible for all taxes, duties, fees, levies etc. incurred until delivery of the contracted goods to the purchaser.

20.2 Further instruction, if any, shall be as provided in the SCC.

21. Terms and mode of payment

21.1 Payment Terms

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

TERMS AND MODE OF PAYMENT

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

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

a) On delivery:

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

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

b) On Acceptance:

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

B) Payment For Imported Goods:

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

a) On Shipment:

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

- (i) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
- (ii) Original and four copies of the negotiable clean, on-board Bill of Lading/ Airway bill, marked freight 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 at its Indian Office in Indian rupees as indicated in the relevant Price Schedule (as per prevailing rate of exchange ruling on the date of Contract) and shall not be subject to further escalation / exchange variation. This will be paid on proof of final installation, commission and acceptance of equipment by the consignee

D) Payment for Annual Comprehensive Maintenance Contract Charges:

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

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

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

22. Delivery

- 22.1 The supplier shall deliver the goods and perform the services under the contract within the time schedule specified by the Purchaser/Consignee in the List of Requirements and as incorporated in the contract. The time for and the date of delivery of the goods stipulated in the schedule shall be deemed to be of the essence of the contract and the delivery must be completed not later than the date (s) as specified in the contract.
- 22.2 Subject to the provision under GCC clause 26, any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions:

- (i) imposition of liquidated damages,
- (ii) forfeiture of its performance security and
- (iii) termination of the contract for default.

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

23. Liquidated damages

- 23.1 Subject to GCC clause 26, if the supplier fails to deliver or install /commission any or all of the goods or fails to perform the services within the time frame(s) incorporated in the contract including opening of office in India as per the undertaking given in the qualification criteria, the Purchaser/Consignee shall, without prejudice to other rights and remedies available to the

Purchaser/Consignee under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.5% per week of delay or part thereof on delayed supply of goods, installation, commissioning and/or services until actual delivery or performance subject to a maximum of 10% of the contract price. *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.* Once the maximum is reached Purchaser/Consignee may consider termination of the contract as per GCC 24.

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

24. Termination for default

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

25. Termination for insolvency

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

26. Force Majeure

- 26.1 Notwithstanding the provisions contained in GCC clauses 22, 23 and 24, the supplier shall not be liable for imposition of any such sanction so long the delay and/or failure of the supplier in fulfilling its obligations under the contract is the result of an event of Force Majeure.
- 26.2 For purposes of this clause, Force Majeure means an event beyond the control of the supplier and not involving the supplier's fault or negligence and which is not foreseeable and not brought about at the instance of , the party claiming to be affected by such event and which has caused the non – performance or delay in performance. Such events may include, but are not restricted to, 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 lakhs (Rs. 1,00,000/-)

- 30.3 Venue of Arbitration: The venue of arbitration shall be the place from where the contract has been issued, i.e., New Delhi/NCR, India.
- 30.4 Jurisdiction of the court will be from the place where the tender enquiry document has been issued, i.e., New Delhi, India

31. **Applicable Law**

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

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

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

33. **General/ Miscellaneous Clauses**

- 33.1 Nothing contained in this Contract shall be constructed as establishing or creating between the parties, i.e. the Supplier/its Indian Agent/CMC Provider on the one side and the Purchaser on the other side, a relationship of master and servant or principal and agent.
- 33.2 Any failure on the part of any Party to exercise right or power under this Contract shall not operate as waiver thereof.
- 33.3 The Supplier shall notify the Purchaser/Consignee /the Government of India of any material change would impact on performance of its obligations under this Contract.
- 33.4 Each member/constituent of the Supplier/its Indian Agent/CMC Provider, in case of consortium shall be **jointly and severally liable** to and responsible for all obligations towards the Purchaser/Consignee/Government for performance of contract/services including that of its Associates/Sub Contractors under the Contract.
- 33.5 The Supplier/its Indian Agent/CMC Provider shall at all times, indemnify and keep indemnified the Purchaser/Government of India against all claims/damages etc. for any infringement of any Intellectual Property Rights (IPR) while providing its services under CMC or the Contract.
- 33.6 The Supplier/its Agent/CMC Provider shall, at all times, indemnify and keep indemnified the Purchaser/Consignee/Government of India against any claims in respect of any damages or compensation payable in consequences of any accident or injury sustained or suffered by its employees or agents or by any other third party resulting from or by any action, omission or operation conducted by or on behalf of the supplier/its associate/affiliate etc.
- 33.7 All claims regarding indemnity shall survive the termination or expiry of the contract.
- 33.8 If any provisions of this tender enquiry or a contract formed on the basis of this tender enquiry are invalid or void under any of the existing provisions of Indian law, then such provisions will not affect other provisions of this tender enquiry/ contract.

SECTION – V

SPECIAL CONDITIONS OF CONTRACT (SCC)

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

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

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

SECTION - VI**LIST OF REQUIREMENTS****Part I**

SI No	RFx No	Equipment	Quantity	Warranty	CMC
1	3000002824	128-Slice PET/ CT Scanner	1	5 years	5 years
2	3000002825	Dual Particle Cyclotron	1	10 years	15 years

Part II: Required Delivery Schedule:

For Indigenous or for imported goods if supplied from India or for imported goods directly from foreign:

Supply, Installation and commissioning to be completed within **120 days for 128-Slice PET/ CT Scanner** and within **270 days for Dual Particle Cyclotron** from the date of NOA or date of opening of LC or date of approval of layout drawing, whichever is later.

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

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

Note:

- i) Supplier has to submit clear documents for opening of LC to HITES within 30 days of placement of order. Any delay will be treated as non-performance and Liquidated Damages shall be levied.
- ii) In case of multiple LC are opened in favour of multiple manufacturers, the delivery period for all the items under the contract shall be counted from the date of opening of the first LC only.
- iii) Indigenous goods or imported goods if supplied from India (offered in INR) which are linked with supply of directly imported goods, are to be supplied within the contractual delivery period as stated above.
- iv) Since the supplier is not responsible for custom clearing and forwarding the goods to consignee site, the time taken for the same shall not be counted for computation of LD. However, time taken by the supplier to rectify the short comings of any document for custom clearing the goods to be counted in the above delivery period.

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

Part III: Scope of Incidental Services:

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

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

Part V: Warranty period as per details in general technical specification and as specified in Part I above. **For, 128-Slice PET/ CT Scanner-** Warranty period will be 60 months from the date of installation, commissioning and acceptance or 66 months from the date of delivery, whichever is earlier. **For, Dual Particle Cyclotron -** Warranty period will be 120 months from the date of

installation, commissioning and acceptance or 126 months from the date of delivery, whichever is earlier.

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 order will be for DDP basis. However, 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.

Manufacturer/ Supplier/ Indian Subsidiary of OEM/ Authorized Agent of OEM/ Bidder shall be responsible for timely lodgement of Bill of Entry (BOE), customs clearing, local transportation and delivery of all goods to the consignee site . Purchaser being applicant of LC, will be responsible for providing CDEC (if applicable). The information on BoE assessment may be given to the purchaser and the payment of customs duty will be made within the office hours of next working day.

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

Destination/Consignee details:

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

Section – VII
Technical Specifications

Item sl. no. 01;
128-SLICE PET - CT SCANNER

Primary vendor shall be responsible for:

- A. Site Preparation: Design, planning, interiors and furnishing "on site modification basis", adhering to all the AERB prescribed safety guidelines and regulations. Vendor has to coordinate with cyclotron vendor in case other than PET-CT vendor and AIIMS, Bhubaneswar for Design and planning.
- B. Supply, Installation, Commissioning (functional delivery).
- C. All the Application, Operating and Service manuals in duplicates should be provided by the vendor at the time of handing over the machine. At least one of these manual sets to be provided in computer readable format, preferably as Word for Windows format document.
- D. AERB Registration and site approval.
- E. Vendor has to provide all the layout and drawings and support in getting the AERB approval.

1) General

- a) A latest technology whole body Positron Emission Tomography system with 128 slices per rotation, DICOM ready and isotropic volume acquisition spiral CT scanner designed for providing volume measurements of metabolic and physiological processes using positron emitters, as well as for producing accurate structural and anatomical fusion images and making attenuation maps for CT based attenuation correction.
- b) The system should have capability for data acquisition, processing, image reconstruction & analysis and fusion of PET with CT images.
- c) The system should operate on 220 (± 10) V A/C (Single phase) 50HZ and/or 440V (± 20) A/C {3 phase} 50HZ.
- d) Type approval certificate/ NOC from AERB, Mumbai for the quoted model must be attached with the technical bid or else the bid will be summarily rejected. Further quoted machine must be US FDA approved.
- e) For acceptance of the equipment, all the QA tests as per NEMA guidelines and to fulfil the AERB requirements will be done and demonstrated by the company engineer(s) and all the required phantoms will need to be arranged by the vendor and submit a detailed report in stipulated time frame. The company will also arrange such phantoms during periodical QA tests. No additional charges will be levied by the company for such QA tests during the lifetime of the machine.
- f) All the Application, Operating and Service manual sets in English language in duplicates should be provided by the vendor at the time of handing over the machine. At least one of these manual sets to be provided in computer readable format, preferably as Word for Windows format document

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- g) Kindly separately quote all options not included in the standard configuration with prices. The vendor will have to deliver the latest state of the art model of the machine at the time of installation with all hardware and software available at that time at no extra cost.
- h) PET data acquisition and CT image reconstruction should be concurrent process.

2) Gantry and Detector

- a) Gantry should have integrated PET & CT hardware and should be a Single Gantry.
- b) The PET scanner should employ non-hygroscopic high light yield ($\geq 80\%$) and low decay time scintillator material like Lutetium based crystals for detecting 511 KeV gamma photons in coincidence with crystal thickness ≥ 20 mm.
- c) Ring diameter should be ≥ 80 cm.
- d) The patient gantry aperture should be ≥ 70 cm and uniform for both PET and CT.
- e) It must be capable of acquiring 45 or more transverse cross sectional slices, simultaneously without undergoing any axial motion.
- f) Axial Field of view should be 15 cm or more.
- g) The transverse field of view should be ≥ 50 cm.
- h) The separation (center to center) between slices acquired simultaneously without any axial motion should be : 5 mm or better.
- i) The scanner must have low power laser lines orthogonally mounted on the gantry for patient alignment and auto-contouring. The laser should be mounted in such a way that the patient can be positioned from either side of the gantry and the patient bed.
- j) The scanner must have a detection configuration of a continuous ring around the patient. It must not have "gaps" of detection or areas of decreased sensitivity around the ring of detection.
- k) Integrated CT simulation software for conformal radiotherapy planning with laser system (one moving & 2 fixed lasers of green color) to be provided. It is to be connected with main TPS in the radiotherapy department through Ethernet wiring. A separate workstation is to be provided in TPS room.
- l) Efficient Gantry cooling system for continuous running of the machine.

3) CT Specifications

- a) Multi detector CT having minimum 64 rows of detectors.
- b) Rotation time should be ≤ 0.5 sec.
- c) Multiple pitch factor settings should be available.
- d) Image slice width should be from: 0.5mm to 10 mm.
- e) Detector coverage should be at least 38 mm or higher.

- f) Low contrast detectability should be at least 5 mm@ 0.3% on 20 cm CATPHAN phantom.
- g) High contrast resolution should be better than 15 lp/cm.
- h) High frequency X-Ray generator tube with output of 70 kW or more, Anode heat storage capacity of 6.0 MHU or more, Tube Voltage between 80-140 kV, Tube Current of 20-400mA, Automatic self-testing system.
- i) Controls located on each side.
- j) Adult and pediatric modes for filter and dose reduction device.

4) Performance Specifications:

- a) All specifications must comply with NEMA Standards Publication NU 2-2012 or latest performance measurements without altering instrument parameters. QC Software to measure these parameters must be available in the system.
- b) Axial & Transverse spatial resolution at 1cm & 10 cm from the central axis of the gantry should be: ≤ 5.1 mm FWHM.
- c) System efficiency I sensitivity must exceed 5 cps/KBq at 350 KeV.
- d) System Energy Resolution should be $\leq 14.0\%$.
- e) 3-D scatter Fraction should be $\leq 40\%$.
- f) During image reconstruction system should use Time-of-flight algorithms, when required for better lesion detectability. Any other reconstruction algorithm if available should also be provided.
- g) System should have & capable to use HD technology during image reconstruction.
- h) Attenuation correction should be CT based. Protocol / Algorithm for attenuation correction should be independent of metal/mA/IV contrast related artifacts.

5) Patient Bed:

- a) Precision bed with low attenuation carbon fibre pallet and minimum sag of the patient table top.
- b) It should be able to bear 180 kg or more patient weight.
- c) The horizontal motion of the patient bed must be electrically motorized and computer controlled with an independent operator control option as well. Operator controls accessible from both sides of the patient must be provided for both horizontal and vertical movements.
- d) A separate flat carbon fibre table top should be provided for radiotherapy treatment planning.
- e) The horizontal travel of the bed should enable the full length scanning of a patient in one

scan acquisition. Full body horizontal length should be 190 cm and vertical travel from 60 to 90 cm.

f) A Digital readout of the horizontal and vertical position of the bed must exist and must be located near the aperture controls for the bed to provide ease in positioning.

g) Pediatric support, headrest, armrests, knee-leg support are to be provided and low attenuation ergonomic head holder.

6) Workstation (Data Acquisition, Processing & Management).

a) One Acquisition station independent of main processing unit having HD, OSEM and Time-of-flight reconstruction and any other reconstruction algorithms as standard features. The workstation should be of latest specifications at the time of shipment.

b) It should have both, serial and USB ports.

c) The processing workstation should be high performance CPU with multi tasking operating system having minimum of 8 GB RAM, 2.53 GHz processor speed, minimum 1GB graphic card, 2TB or more SCSI hard drive (if less, another HDD maybe included), Optical Mouse, Key-board and high resolution flat panel dual view LCD monitor of minimum 19" size with minimum resolution of 1280 x 1024. It should also have CD and DVD combo drive preferably with writer facility.

d) Intercom with user programmable patient.

e) Reconstruction filters –latest available filters with the company for PET applications.

f) Communications - Ethernet with TCP/IP protocols and DICOM and above i.e., latest networking of all possible equipment in the facility with their peripherals and PACS available in the department. PET CT must be connected to the PACS System as part of this order.

g) Each Processing workstation should have concurrent licenses of image fusion, quantification facility and image comparison software for the baseline and follow-up studies.

h) The workstation should be accessible remotely by at-least 5 concurrent workstations for PET and CT each.

i) List mode PET data reconstruction should not take more than 90 sec/bed.

7) Software:

1. Data Acquisition

a) Acquisition Modes: Acquisition in Full 3-D mode must include Static, Whole Body, Dynamic and Gated acquisition provisions with prospective 3-D reconstruction algorithm.

b) 4D CT Scanning facility: 4D CT Scan software with 4D phantom for QA shall be provided and separately there shall be 4D CT Respiratory Gating hardware to be provided.

c) Same PET CT protocol should be used for Contrast CT in single acquisition.

d) Acquisition Protocols: The acquisition program should support pre-programmed scan protocols with acquisition and reconstruction parameters and patients information with

simple, dynamic editing of parameters. These parameters would include all information necessary to acquire data on the PET scanner (e.g., scan duration, patient information frame / list mode, bed motion), as well as information necessary for reconstruction.

e) Whole Body Acquisition: Multi bed acquisitions (e.g. for the purpose of whole body oncology studies) should advance the bed from one position to the next automatically.

f) Dynamic frame Mode Acquisition: The acquisition setup software must support multi-frame acquisition of different (arbitrary) frame duration's with no loss of data between frames. Alternatively, list mode acquisition may be available as standard feature.

g) Reconstruction: Image reconstruction should simultaneously start for the acquired image while acquisition is still in process.

h) Time of Flight and HD must be available for image reconstruction.

i) Fully 3-D Iterative reconstruction technique should be available as standard. Low dose iterative reconstruction algorithm should also be provided.

j) Pixel Size: The User should have the option to specify the pixel size for reconstruction.

k) The reconstruction program should support reconstruction in image sizes of at least 128x128 or higher.

l) Scatter Correction: Scatter correction must be provided based on scan of the actual patient whose scan is being corrected and processed automatically.

2. Clinical Application Software

a) Software for data collection, CT based attenuation correction, reconstruction of image for co registration, Full 3-D prospective reconstruction with iterative scatter correction, advance 3-D Volume rendering with 3-D fusion, virtual endoscopy, Model based 3-D scatter correction, MIP, whole body acquisition, dynamic acquisition.

b) Neuro quantification software including assessment of dementia using SUV values. Provide detailed specification of s/w quoted.

c) Quote complete cardiac package both for PET and CT with ECG gating as optional item.

d) System management software for computerized calibration, quality control for all scanner performance parameters, diagnostics and administration of the patients' records.

e) Attenuation correction, quality control software and a latest version of DICOM facilities for clinical applications.

f) Software for PET/CT/MRI fusion.

g) Should be possible to evaluate different scans of same patients done over a time to give overall assessment of malignancies progression in oncology.

h) Provision to make DICOM/ PDF/ JPEG /AVI /MPEG digital output.

i) PET DICOM 3.0 or higher version must be implemented. It should have the ability to import MR/CT DICOM Data.

- j) Latest advanced CT radiation dose reduction technology and software that should offer higher speed image reconstruction.
- k) All future software updates including associated hardware during warranty period and CMC shall be free of cost.
- l) The CT Simulation workstation should be fully integrated and networked with the treatment planning system for 3D CRT, IMRT/IGRT and with portal imaging workstation at the linac console.
- m) It should have capabilities for 3D viewing of images along with tools for constructing and display of high resolution (512 X 512 pixels) DRRs and MPRs.
- n) Tools for auto-contouring of normal structures along with manual contouring of normal structures and target volumes should be included. Editing, copy and paste of structures.
- o) 30 margin tools from GTV to CTV to PTV should be available.
- p) Should have capability to do online CT simulation (while patient remains on CT couch) and also offline CT simulation at physician's workstation.
- q) Tools for beam placement including MLC of any make and isocentre determination should be included. The tracking laser system should be linked to the virtual simulation software
- r) The supplier will be responsible for complete networking and integration between the CT Simulation workstation, Treatment Planning System and portal imaging workstation for import and export of image and data.
- s) Should be a fully DICOM RT "plug and play" system for import and export of CT/MRI/PET images, RT structures.
- t) Please quote SUVmax quantification software for SPECT-CT as optional item.

8) Peripherals / Accessories

- a) UPS for the whole system including CT with minimum 30 min backup at full load should be provided.
- b) Latest dual head pressure injector compatible with CT and 100 disposable CT syringes with tubing and connector.
- c) High Resolution dry chemistry type DICOM laser film printer with online capability of 3 film sizes for x-ray films with minimum 500 packets of films of 14x17 inch size.
- d) Supply of Germanium-68 pin source for a period of 5 years. - Specification of Ge-68 Pin source: 55 MBq (1.49mCi) Ge-68 uniformly dispersed in a ceramic medium with an outer stainless tube and permanently sealed end caps.
- e) High resolution colour laser printer for colour hardcopy on paper with 5 sets of all cartridges.
- f) Required Phantoms for CT & PET Quality Assurance and calibration sources.

- g) Four dose calibrators (Capintec- CRC 25 PET or equivalent).
- h) One shielded L-bench for F-18 handling.
- i) One decay drum for PET radionuclides.
- j) Four waste bins with minimum 12 mm lead for PET Radiopharmaceutical waste.
- k) 40 Lead bricks and 8 lead corners for F-18 handling.
- l) One Dose drawing module for F-18 FDG.
- m) Four Tungsten syringe holders of 2 sizes (Two 2 ml and Two 5 ml).
- n) Five digital pocket dosimeters (Rad-60R by Rados Technology or equivalent).
- o) One digital ion meter (Rotem or equivalent).
- p) Two digital –mSv / hr range GM based survey-cum-contamination monitors (Rotem or equivalent).
- q) One decontamination kit.
- r) Onsite remote service diagnostic facility to be provided.
- s) Tungsten lined Carriers (160 mm) for carrying the radiopharmaceuticals from Cyclotron to PET CT to be provided – 20 nos. (unit price to be quoted separately)

9) Others

- a) Dehumidifier: 6 nos.
- b) Fume hood for PET Radio pharmacy.
- c) Area zone monitor- 2 no.
- d) Tungsten Syringe carriers for PET Radiopharmaceuticals, 5 cc: 04 no.
- e) Tungsten Syringe carriers for PET Radiopharmaceuticals, 2 cc: 02 no.
- f) Dose calibrator for all PET & SPECT radiotracers: 2 no.
- g) Lead Glass Window: 100 x 150 cm separating the scanner and console which should be sufficient to shield 511keV radiation optimally as per AERB guidelines.
- h) The complete system should have a guarantee including the radioactive reference source, crystals, detectors and x-ray tubes replacement for a period of FIVE years after the satisfactory commissioning (functional delivery) and handing over of the equipment. Warranty will include all the accessories and third party items.
- i) Rates for Comprehensive maintenance contract (CMC) for whole system including x ray tube replacement as and when required and accessories for a period of FIVE years after the expiry of warranty period.

j) The peripherals / accessories, electronic / electrical consumables (leads, probes, batteries etc.), calibration sources, air-conditioning units and batteries of UPS will also form part of the warranty and CMC. Service, repair and maintenance of all third party items will be the sole responsibility of primary vendor. Supplier shall be responsible for maintaining adequate humidity and temperature for proper functioning for PET CT.

k) At least 95% uptime should be maintained during warranty as well as CMC period.

l) Four Physicians to be trained onsite for 4 weeks and Two technologist to be trained onsite for 4 weeks.

m) Qualified Engineer with Minimum 3 years' experience be deputed by the OEM to perform weekly onsite maintenance check-up.

n) After sale service to be available onsite through a service centre of the company located in Bhubaneswar.

10) BOQ for the turn key to be submitted by the vendors after the survey and consultation with the institute.

11) The vendor will render all necessary help and provide needed documents. The vendor has to provide all supporting documents, site plan, equipment details and drawings to facilitate AERB clearance and installation of the equipment.

12) Custom clearances if any would be the responsibility of the vendors.

13) The offered warranty shall commence from the date of satisfactory handing over of the equipment (functional delivery) and start of its clinical use.

14) Future updates/ revision of the software versions shall be done by the vendors without any additional cost. Vendor shall be responsible for updates of all software to the latest available throughout the warranty period.

15) Automatic syringe less triple-head continuous injector with accessories and disposables for first 500 patients.

16) Vendor shall provide preventive maintenance of the equipment once per month at the convenience of the Institute.

17) **Installation**

a. The unit will be installed in a site made by cyclotron vendor on a turnkey basis. The PET-CT vendor has to liaise with the cyclotron vendor and co-operate. Minor site-modification if required has to be done by PET-CT vendor (specially PET-CT room). The vendor should inspect the site before quoting and ensure that the unit can be installed in the available space without any functional compromise. Complete layout site map and details of work (BOQ) should be part of technical bid.

b. Necessary furniture and fixtures for comfortable working conditions, storage of system components and consumable stand for protective aprons and gonad shields etc. should be provided.

Item sl. no. 02;
Dual Particle Cyclotron

Plan, Design, Supply, Installation, Commissioning and Maintaining of a Medium Energy Dual Particle Cyclotron, Targets, Synthesis Modules and Laboratory Equipment for PET Radiopharmaceuticals Production including Support and Expertise on the Building Design and Laboratory Layout According to GMP Guidelines.

The vendor has to mandatorily bid for the turnkey project for building along with cyclotron.

1. Scope

Tenderers (cyclotron manufacturers) are requested to make a proposal for the plan, design, supply, installation, commissioning and maintenance of the following:

A. Medium Energy Cyclotron:

Radiopharmaceutical Production Laboratory Equipment for production of PET Radiopharmaceutical under GMP rules to the AIIMS, Bhubaneswar which is to be located at site.

B. Together with the supply of the equipment, the proposal shall include support on:

- i. GMP layout proposal.
- ii. Building engineering file related to Pharmaceutical production.
- iii. GMP rules application (training and consultancy).
- iv. Marketing Authorization for FDG.

MEDIUM ENERGY CYCLOTRON:

The Cyclotron energy must be at least 18 MeV in order to allow production of conventional (F18-, ¹¹C, ¹³N, ¹⁵O, ¹⁸F) and non-conventional radioisotopes (¹²⁴I, ¹²³I, ⁶⁴Cu, ⁸⁹Zr, ⁸⁶Y) with liquid, gas and solid targets.

Technical descriptions of the cyclotron and the targets are given in **Appendix 1**.

RADIOPHARMACEUTICAL PRODUCTION LABORATORY FOR THE PRODUCTION OF RADIOPHARMACEUTICALS UNDER GMP RULES.

A. FDG PRODUCTION:

All the equipment necessary for FDG production and distribution must be detailed.

- i. In particular:
 - the FDG Synthesis module will be described.
- ii. It must be an auto-ejectable cassette system that will be installed in one hot cell with four mini- hot cells for synthesis of radiopharmaceuticals.
 - the quality control equipment will be selected according to latest version of European Pharmacopoeia
- iii. PET compounds production laboratory (including Iodine compounds):
- iv. All equipment necessary for PET compounds production must be detailed.

Technical descriptions of the Synthesis units are given in **Appendix 2**.

Technical descriptions of the laboratory equipment are given in **Appendix 3**.

B. IODINE-124 & IODINE -123 PRODUCTION:

All the equipment necessary for **Iodine-124 & Iodine -123** production must be detailed.

BUILDING ENGINEERING FILE RELATED TO RADIOPHARMACEUTICAL PRODUCTION

The tenderers shall provide building engineering file in relation with the layout proposal for the project.

Detailed description of this support is given in **Appendix 4**.

GMP GUIDELINES APPLICATION (TRAINING AND CONSULTANCY)

The layout including Air Class and Rooms Pressure will be detailed and must comply with GMP guidelines. The cyclotron supplier will provide a support on GMP guidelines application by giving training to local team and providing consultancy on FDG production process validation/Qualification.

Detailed description of this support is given in **Appendix 6**.

MARKETING AUTHORIZATION FOR FDG

The tenderers will give support to build the files for FDG Marketing Authorization submission to local authorities. Detailed description of this support is given in **Appendix 7**.

TRAINING

- i. Training shall be given on-site by the successful Tenderer to the End-User staff who will operate and/or maintain the equipment for a period of One month, so as to familiarize them with the working procedures and maintenance of the Supplies. The training shall be given in English.
- ii. All documents and software provided shall be in English language.
- iii. The offer should contain provisions for adequate training of the End-User staff covering both maintenance and operation.

Detailed description of this support is given in **Appendix 5**.

MAINTENANCE / SERVICING

- i. The offer shall describe the service organization that will be available for the Equipment Maintenance. The outlines of service program should be included, as should conditions for scheduled service, response time and spare part delivery.
- ii. Proposals can be made in the offer for a service contract with four preventive maintenance visits with, as option, the possibility to make these preventive maintenance during the week-end.
- iii. The Supplier must describe his service contract and various options.
- iv. **Trained Service Engineer should be stationed on-site on 24 hrs x7 days basis.**
- v. As part of the contract, a remote support of 24 hrs x 7 days must be offered.

- vi. This 24 hrs x7 days support must give direct access to cyclotron engineer-specialist.
- vii. A proposal will be made for recommended spares parts and the Supplier should offer a list of cyclotron tools and support equipment.
- viii. **A cyclotron trained person who can operate cyclotron independently should be made available for initial two years period to run the cyclotron.**

DOCUMENTATION

One full set of documentation “*User Guide & Maintenance Guide*” in English and with metric units of measure relating to the Supplies will be supplied.

WARRANTY

The offer should state what contractual obligations the Supplier can make concerning remedy, guarantee and service. As a minimum, the Supplier shall provide a full warranty (excluding consumables) for a period of at least **TEN YEARS** on all equipment, including such provided by third party suppliers.

APPENDICES:

- Appendix 1: Medium Energy Cyclotron – specifications
- Appendix 2: Synthesis modules for PET Production laboratory - specifications
- Appendix 3: Equipment for PET Production laboratory – specifications
- Appendix 4: Building engineering files - specifications
- Appendix 5: Training on equipment and User’s meeting
- Appendix 6: Support and training on GMP guidelines
- Appendix 7: Support on FDG Marketing authorization submission

APPENDIX 1: MEDIUM ENERGY CYCLOTRON – SPECIFICATIONS

The cyclotron supplied shall include all necessary components to meet the following minimum specifications.

A1.1. Particle Acceleration and Beam Extraction Requirements

- i. A negative ion cyclotron shall be supplied.
- ii. It must include all power supplies, electronic devices, and the primary cooling system with heat exchanger, magnet system, Radio Frequency system, ion sources, beam extraction system, vacuum system.
- iii. It must be possible to control the cyclotron from several control stations.
- iv. Minimum Two number control station to be connected.
- v. **The cyclotron shall be capable of producing and accelerating protons to an energy \geq 15 MeV with maximum extracted proton beam current \geq 150 μ A.**
- vi. **The cyclotron should be equipped with minimum two proton sources.**
- vii. The changeover between protons on target to protons shall be **1 min** or less.
- viii. The cyclotron shall be capable of simultaneously irradiating two targets.

A1.2. Vacuum / Power Consumption / Personnel safety / Decommissioning Vacuum

- i. The vacuum system must be highly reliable and simple to maintain. All O-ring seals should be accessible and easy to change with minimal radiation dose to the technologist.
- ii. The time required to establish the vacuum must not exceed thirty minutes.
- iii. In addition, the tenderer must provide convincing evidence that the oil diffusion pump(if applicable) is able to establish and maintain the required vacuum, i.e. that the pump is not operating at the limit of its range and that down-time resulting from vacuum problems is small.

Power Consumption

The cyclotron should be low power requirements.

The following table shall be completed by the tenderer:

- i. Cyclotron Medium Energy Current 150 μ A : Stand-by mode kW
- ii. Operational mode kW
- iii. Total for 365 days (considering 6 hours/operation and 18 hours stand-by perday Power consumption: kW

The following table regarding the building issue related to power consumption shall be completed by the tenderer:

Power dissipated

Cyclotron Vault kW

Power Room kW

Radiation safety

Sufficient radiation shielding shall be incorporated in the vault design to ensure that the integrated equivalent dose (total gamma and neutron dose) limits detailed below in areas adjacent to the Cyclotron room shall be met (dose constraints shall be met at ≤ 1 m from the walls and above floor level in the indicated areas.

Integrated equivalent dose during cyclotron operation for one hour at maximum sustainable beam current for dual F18- target proton irradiation (or dual F18- target irradiation at $2 * 75\mu$ A) shall be:

- $\leq 0.5 \mu$ Sv in any of the rooms above the cyclotron
- $\leq 0.5 \mu$ Sv in any rooms or plant rooms adjacent to the cyclotron
- $\leq 0.5 \mu$ Sv outside the cyclotron vault door entrance

Personnel safety

Equipment design concept shall be such that radiation exposures to operating personnel from leakage or from induced radioactivity (if any) in system components and accessories are minimised and under no circumstances exceed the relevant dose equivalent limits outlined by the Basic Safety Standards IAEA and AERB.

Tenderer must describe their design and tools in order to demonstrate in which way it reduces personnel exposure.

Decommissioning

The Tenderer must detail how its cyclotron design will reduce the neutron activation of the vault and what are its recommendations for the vault design.

A1.3. Cyclotron Control system

Suitable computers shall be supplied for computer controlled operation of the cyclotron. Any additional computers or work stations and software required for full maintenance of the cyclotron and for problem diagnosis of both the cyclotron shall be provided.

General Requirements for Control Computers

- i. All control computers shall be based on latest & standard compatible PCs.
- ii. All control computers shall run their respective standard operating systems.

Cyclotron Control Computer

- i. The cyclotron control computer shall allow fully automated operation of the cyclotron, including but not limited to,
 - a) Loading of target with target material
 - b) Selection of target to be irradiated
 - c) Selection of particle type and beam current
 - d) Irradiation of target
 - e) Transfer of radioisotope to the selected delivery point
 - f) Automatically optimize and tune cyclotron operational parameters
 - g) Monitor, display and record cyclotron operational parameters and provide alerts when abnormal conditions are detected.
- ii. Routine operation of the cyclotron shall not require the operator to enter the cyclotron room to manually operate valves, fill traps and targets, purge or prime systems, view system operation status etc
- iii. It should be possible to fully control the cyclotron operation from multiple computer work stations, installed at different locations and interlinked to the cyclotron via standard ethernet cabling (Cat 5 - UTP).Details of the function offered shall be provided
- iv. Interlocking between cyclotron control computers should be provided to ensure that only one of the control computers has control of cyclotron operation at any given time.

Once one of the control computers has taken control of the cyclotron operation, other control computers should be locked out from controlling any of the cyclotron's operation until control is relinquished by the controlling computer.
- v. Full cyclotron operational information should be displayable on any of the workstations, including those not controlling the cyclotron at the time.
- vi. Details of the function offered shall be provided

- vii. The computer work stations should provide a simple and automated scheme to display, record, archive, recall and graph cyclotron operational parameters.
- viii. Details of the function offered shall be provided

A1.4. Cyclotron Targets Requirements

A. Target port - General Requirements

- i. Each target must be fixed at best position
- ii. There must be one beam exit port per target
- iii. Minimum Two number of exits ports required.
- iv. Each beam exit port must be equipped with one extraction system.
- v. Each extraction system must have at least two strippers

B. Cyclotron Short-lived Isotope PET Targetry System - General Requirements

The tenderer shall provide comprehensive costings and full specifications on targets capable of producing [F18], [C11-CO2] or [C11-CH4], [O15], [N13], [I123] and [I124] radionuclides and related compounds according to the specifications below.

a) The tenderer shall be capable of providing a complete target system including:

- i. Target body
- ii. All interconnections, fittings and control systems required to cool the target during irradiation
- iii. All interconnections, fittings, control systems and automated apparatus required to allow computer controlled filling of the target and transfer of the target contents to the hot-lab.
- iv. The tenderer shall be responsible for interconnecting the chosen targets to the hot-lab including, but not limited to, all plumbing, fittings, valves, tubing, flow meters and regulators which are required for this purpose.
- v. The tenderer shall be responsible for interconnecting the targets to the appropriate target material supply including all plumbing, fittings, valves, tubing, flow meters and regulators which are required for this purpose.
- vi. Loading and irradiation of the target and transfer of irradiated product to the hot-lab shall be controllable from the cyclotron control computer(s).

b) A monitoring system shall be provided to monitor and control the targets as required during irradiation (pressure, cooling, beam current) and detect abnormal operation including target foil rupture. Warning messages shall be displayed on the cyclotron control computer when abnormal operation is detected.

c) It shall be possible to mount at least **Four targets** on the cyclotron at the same time.

- d) Transfer of irradiated target material to designated delivery points.
- e) It is highly desirable that for liquid targets, push-gas transfer of irradiated target material to the delivery points specified is used and described.
- f) For Solid targets, Automated extraction of radionuclide should be inbuilt.
- g) The targets and target control shall include safety features to limit accidental release of activity in case of target foil rupture. Irradiation of target shall stop when foil ruptures.
- h) Details shall be provided on how activity is contained following target foil rupture.
- i) Amount of expected release of activity following target foil rupture into cyclotron room shall be specified.
- j) Example must be given for a C11-CO2 target rupture with 3 Ci. The tenderer shall provide the following documentation for each target:
- i. Target body material and entrance window material
 - ii. Target volume and normal operating pressure
 - iii. Frequency of any regular maintenance (eg. cleaning, entrance foil replacement etc.) required for the target expressed in terms of $\mu\text{A}\cdot\text{hr}$ irradiation time.
 - iv. Full specifications of required target material, including, but not limited to, required purity, isotopic enrichment.
 - v. Data demonstrating reliable and consistent operation of target for > 1 yr.
 - vi. For [F18-] synthesis, details of the availability and other relevant data including cost are required.
 - vii. Time required to remove entrance foil from target body during maintenance of target.

C. Target Production Rate Requirements

- i. The supplied targets shall meet the production rates shown in the table “Targets Yields”
- ii. It is highly desirable that the production rates are achieved with single target irradiation. The tenderer shall indicate in the table whether dual target irradiation is required to meet the production rate specification.
- iii. If a high yield target is available as an option for any of the targets, then the specifications for the high yield target shall be given in the table below and the high yield target shall be offered in response to this tender.
- iv. The following table shall be completed by the tenderer. The beam current for the specification shall be less than or equal to the maximum recommended for the target.

The tenderer’s recommended target material may be assumed. *Note that targets other than that for [F18-] production using proton bombardment are to be treated as optional in this tender.*

Table “Target Yields”

Target Production Rate Requirements

The supplied targets shall meet the production rates shown in the table “Targets Yields”

Target Yields				
Target Required Production	(Activity @ EOB/irradiation time)	Rate Specification		
		Dual Target Irradiation Required to Meet Specification	Production Rate Achieved with Single Target @ Beam current	Production Rate Achieved with Dual Target @ Beam current
F18- (very high yield)	≥ 333 GBq / 120 min	≥ 9 Ci / 120 min	.....GBq / 120 min @μA	.....GBq / 120 min @μA
F18- (high yield)	≥ 185 GBq / 120 min	≥ 5 Ci / 120 min	.....GBq / 120 min @μA	.....GBq / 120 min @μA
F18- (research)	≥ 59 GBq / 120 min	≥ 1,6 Ci / 120 min	.....GBq / 120 min @μA	.....GBq / 120 min @μA
CO2 11	≥ 111 GBq / 30 min	≥ 3 Ci / 30 min	.....GBq / 120 min @μA	.....GBq / 120 min @μA
C11H4	≥ 37 GBq / 30 min	≥ 1 Ci / 30 min	.....GBq / 30 min @μA	.....GBq / 30 min @μA
F18 2 (proton)	≥ 44 GBq / 60 min	≥ 1,2 Ci / 60 min	.....GBq / 60 min @μA	.....GBq / 60 min @μA
F18 2 (deuteron)	≥ 9,25 GBq / 60 min	≥ 0,25 Ci / 60 min	.....GBq / 60 min @μA	.....GBq / 60 min @μA
13NH3	≥ 15 GBq / 15 min	≥ 0,4 Ci / 15 min	.....GBq / 15 min @μA	.....GBq / 15 min @μA
15O2 Continuous	≥ 18,5 GBq / min	≥ 0,5 Ci / min	Not Applicable Not Applicable	.....GBq / 15 min @μA

D. Target Line Switching:

- i. Valves and associated controls shall be provided to direct irradiated target material to a choice of delivery points as follows.
- ii. It shall be possible to select the different delivery points using suitable valves under the control of the cyclotron control computer.

E. [F18]F- Switching module

- i. The irradiated material from all the [F18]F- targets mounted on the cyclotron shall be able to be transferred to the hot cells designated for synthesis using [F18]F
- ii. For dual target irradiation, it shall be possible to transfer material from both targets to a single F18 Synthesis Unit
- iii. The [F18]F- switching module must have at least 6 inputs and 6 outputs

F. [C11]CO2 Switching module

- i. The irradiated material from all the [C11]CO2 targets mounted on the cyclotron shall be able to be transferred to the hot cells designated for synthesis using [C11]CO2
- ii. For dual target irradiation, it shall be possible to transfer material from both targets to a single [C11]CO2 Synthesis Unit
- iii. The [C11]CO2 switching module must have 4 inputs and 2 outputs

G. Cyclotron Solid Targetry System

The cyclotron shall be capable of irradiating a solid target. Thus an external beam port allowing the uncomplicated attachment of a solid target assembly shall be offered

Any restrictions on the provision of an external beam port suitable for attaching a solid target assembly and thus irradiating a solid target shall be specifically stated.

A list of references of similar systems shall be given (system with minimum three references will be accepted)

- i. Any restrictions on the capacity of the solid-target external beam port with its attached solid target to be operated simultaneously with, and independently of, any one of the short-lived PET-isotope targets, shall be stated.
- ii. Data on the maximum proton beam current typically available for solid target irradiation shall be provided. (protons)..... μA
- iii. Each tenderer for the cyclotron shall provide full specifications of recommended configurations of their machine for the irradiation of solid targets. If more than one option exists, all options will be fully described using schematic diagrams.
- iv. It is highly desirable that the Tenderer's targets, rather than third party targets, are offered. All targets offered mainly for guarantee and maintenance should be from the Tenderer.

H. Examples of R&D using the cyclotron:

- i. The tenderer shall specify an ongoing active research and development program, either in-house, or in collaboration with other organizations, citing innovative applications of the cyclotron, novel developments in targetry and so on. The tenderer shall specifically supply examples of R&D *additional* to medical applications of the PET isotopes.

ii. The tenderer shall *specifically* cite examples of active R&D programs using solid targetry that utilise the type of cyclotron the tenderer is advocating in their response to this tender.

iii. Partnership / Network:

The tenderer shall demonstrate his involvement in new PET compounds development and how he could be a partner to the Buyer by giving access to a network and/or to proprietary molecules.

APPENDIX 2: SYNTHESIS UNITS FOR PET PRODUCTION LABORATORY - SPECIFICATIONS

A. General Requirements

The automated radiochemistry synthesis units shall be provided with all components, control systems and computers required to allow fully automated operation, including transfer of irradiated target material to synthesis unit, synthesis of product and transfer of product into dispensing system. The synthesis units shall be housed in the hot cells specified in Appendix 3.

Details of special requirements, if any, for the hot cells shall be provided.

- i. It is highly desirable that the synthesis units have in-built detectors with computer readout display to allow the operator to monitor the radioactivity in the synthesis unit and follow the progress of the synthesis.
- ii. Data from the in-built detectors shall be able to be logged by the computer.
- iii. Details of the log file format shall be provided.
- iv. Sufficient consumables shall be provided with each synthesis unit to allow at least 10 batches to be produced for testing purposes.
- v. The tenderer shall provide full details of the consumables required for the synthesis unit and their costs.
- vi. Some consideration will be given to synthesis units not made by the cyclotron vendor. The synthesis unit's ability to meet or exceed the specifications will be an important assessment criterion.

B. [F18]FDG Synthesis Units

- i. The two [F18]FDG Synthesis Units (to be located in one dedicated hot cell) shall meet the following requirements:
- ii. The non-decay corrected radiochemical yield of FDG at end-of-synthesis (EOS) shall be no less than 55%. and must be part of the tests for modules acceptance:
- iii. Radiochemical yield %
- iv. (Radiochemical yield is defined as the FDG activity at EOS divided by the F18-activity in the FDG Synthesis Unit at beginning of synthesis x 100).

-
- v. The total time of FDG synthesis shall be ≤ 30 min : FDG synthesis timemin.
- vi. Each FDG Synthesis Unit shall be capable of ≥ 4 runs in one day.
- vii. Is manual clean up or change of reagents or fittings required between runs on the one day?
- viii. Are the modules equipped with a cassette system?
- ix. Are the modules able to automatically eject the cassette at the end of synthesis?
- x. The maximum dose rate from the FDG Synthesis Unit 1 hour after the end of a synthesis using 37 GBq of F18- shall be specified in $\mu\text{Sv/hr}$ at a distance of 30 cm from the synthesis unit $\mu\text{Sv/hr}$
- xi. The tenderer shall specify the time required for set-up and clean-up between runs.....min
- xii. The total radioactive release during an FDG synthesis and radioactive waste recovery at end of FDG synthesis using 37 GBq of F18- in the synthesis unit shall be specified.
- xiii. Activity released into hot cell: MBq
- xiv. Radioactive waste collected in waste containers: MBq
- xv. The FDG Synthesis Unit shall incorporate [O18] H₂O collection.
- xvi. It is highly desirable that programming tools and documentation required for user modification of FDG synthesis unit software be provided. Will programming tools and documentation be provided with the system?
- xvii. The FDG Synthesis Unit shall be capable of producing FDG of a quality suitable for human injection and with specifications meeting those of the European Pharmacopoeia (latest version) for FDG
- xviii. The tenderer shall specify maximum allowable distance permitted between the Unit in the hot cell and the associated electronic control module and control computer located external to the hot cell m
- xix. The FDG Synthesis Unit shall be also a platform that allows making other molecules. Other molecules currently available on same platform are:
- 1)
 - 2)
 - 3)
- xxi. Other molecules in development on same platform that will be available within one year from this tender date are:
- 1)
 - 2)
 - 3)

C. [F18]-COMPOUNDS SYNTHESIS UNITS**a) F18-Choline:**

The [F18]Choline Synthesis Units (to be located in one dedicated hot-cell) shall meet the following requirements:

- i. The F-Choline Synthesis Units shall be capable of interfacing with the cyclotron and targetry system offered as part of this tender.
- ii. The non-decay corrected radiochemical yield of FDG at end-of-synthesis (EOS) shall be no less than 18% and must be part of the tests for modules acceptance:
- iii. Radiochemical yield %
(Radiochemical yield is defined as the F-Choline activity at EOS divided by the F18 activity in the F-Choline Synthesis Unit at beginning of synthesis x 100).
- iv. The total time of F-Choline synthesis shall be ≤ 50 min
- v. F-choline synthesis time min
- vi. Each F-Choline Synthesis Unit shall be capable of ≥ 2 runs in one day.
- vii. Is manual clean up or change of reagents or fittings required between runs on the one day?
- viii. Are the modules equipped with a cassette system?
- ix. Are the modules able to eject automatically the cassette at the end of synthesis?

b) F18 LT

The [F18 LT] Synthesis Units (to be located in one dedicated hot-cell) shall meet the following requirements:

- i. The FLT Synthesis Units shall be capable of interfacing with the cyclotron and targetry system offered as part of this tender.
- ii. The non-decay corrected radiochemical yield of FLT at end-of-synthesis (EOS) shall be no less than 15% and must be part of the tests for modules acceptance.
- iii. Radiochemical yield %
(Radiochemical yield is defined as the FLT activity at EOS divided by the F18- activity in the FLT Synthesis Unit at beginning of synthesis x 100).
- iv. The total time of FLT synthesis shall be ≤ 50 min
- v. FLT synthesis time min
- vi. Each FLT Synthesis Unit shall be capable of ≥ 2 runs in one day.

vii. Is manual clean up or change of reagents or fittings required between runs on the one day?

viii. Are the modules equipped with a cassette system:

ix. Are the modules able to eject automatically the cassette at the end of synthesis?

c) NaF18

The NaF18 Synthesis Units (to be located in one dedicated hot cell) shall meet the following requirements:

i. The NaF18 Synthesis Units shall be capable of interfacing with the cyclotron and targetry system offered as part of this tender.

ii. The non-decay corrected radiochemical yield of NaF18 at end-of-synthesis (EOS) shall be no less than 80% and must be part of the tests for modules acceptance:

iii. Radiochemical yield %

iv. (Radiochemical yield is defined as the NaF18 activity at EOS divided by the F18-activity in the NaF18 Synthesis Unit at beginning of synthesis x 100).

v. The total time of NaF18 synthesis shall be ≤ 10 min

vi. NaF18 synthesis time min

vii. Each NaF18 Synthesis Unit shall be capable of ≥ 4 runs in one day.

viii. Is manual clean up or change of reagents or fittings required between runs on the one day?

ix. Are the modules equipped with a cassette system?

x. Are the modules able to eject automatically the cassette at the end of synthesis?

D. [C11] – COMPOUNDS SYNTHESIS UNIT

a) [C11] Methyl Iodide ([C11]MeI) Synthesis Unit

The [C11] Methyl Iodide Synthesis Unit ([C11]MeI) shall meet the following requirements:

i. The [C11] MeI Synthesis Unit, located in dedicated hot-cell, shall be capable of interfacing with the cyclotron and optional [C11] targetry system offered as part of this tender.

ii. Starting from [C11]CO₂, the radiochemical yields of [C11]MeI shall be $>30\%$ at end-of-synthesis (not decay corrected)

iii. The time of [C11]MeI synthesis shall be <15 minutes

iv. Synthesis time: min

-
- v. The conditions (eg number of prior priming runs, target gas purification) required to meet these specifications shall be specified.
- vi. Specific activity when 19 GBq of [C11]MeI is produced GBq/ μ mol
- vii. The [C11]MeI shall be capable of ≥ 5 runs in one day without requiring manual change of reagents, consumables and fixtures by the operator between runs
- viii. The time between sequential syntheses shall be 30 minutes or less
- ix. Minimum synthesis “turn-around” time: min
- x. It is highly desirable that programming tools and documentation required for user modification of [C11]MeI synthesis unit software be provided. Will programming tools and documentation be provided with the system?
- xi. The tenderer shall specify maximum allowable distance permitted between Synthesis Unit in the hot cell and associated electronic control module and control computer located external to the hot cell m
- xii. Does the [C11]MeI Synthesis Unit have the option of producing [C11]Methyl Triflate ([C11] MeTf) ?
- xiii. Is it possible to link the [C11]MeI Synthesis Unit with an optional producing unit of [C11]Methyl Triflate ([C11] MeTf) ?
- xiv. Is it possible to link the [C11]MeI Synthesis Unit with an optional labeling unit where precursors in solution are coated on the internal surface of a custom HPLC injection loop ?
- xv. The [C11]MeI or [C11]Tf gas will be trapped by the solvent and reacts with the precursor through a loop system. Are the efficiencies are greater than 90%
- xvi. Does the reaction occur in a closed loop at room temperature?
- xvii. Does the system allow producing Acetate?

E. [O15] – COMPOUNDS SYNTHESIS UNITS

a) [O15]Water Radiochemistry Synthesis Unit- OPTIONAL

An optional automated radiochemistry synthesis unit for producing H2 15O from 15O2 gas and meeting the following specifications shall be quoted for :

- i. Synthesis yield decay corrected to EOB shall be $\geq 80\%$
- ii. It is highly desirable that the minimum time between each series of production runs be ≤ 10 min. Minimum time between production runs min
- iii. All necessary furnaces, control equipment etc required for the operation of the synthesis unit shall be provided
- iv. The synthesis unit shall be able to produce H2 15O in batch mode

v. It is highly desirable for the synthesis unit to be able to produce H2 15O in continuous mode. Is synthesis unit capable of producing H2 15O in continuous mode?

vi. A suitably shielded synthesis unit that can produce H2 15O remote from the cyclotron at the “camera couch” shall also be offered as an option

vii. Detailed specifications of the optional “camera-couch” synthesis unit shall be provided

F. [O15] Gas Processing Unit

The tenderer shall provide costing and technical specifications of gas processing systems to optionally produce radioactive gases meeting the following specifications

The gas processing system shall contain all necessary equipment, including furnaces to allow the production of the following radioactive gases.

- [O15]CO batch and continuous mode
- [O15]CO2 batch and continuous mode

Synthesis times and synthesis yields shall be specified for all the radioactive gases produced by the gas processing unit

Radioactive gas shall be switchable to the required hot cell or PET camera room or to the shielded radioactive waste gas collection system

G. [F2-18] SYNTHESIS UNIT

[F2-18]-FLUORODOPA Module

i. The Fluorodopa Synthesis unit shall be capable of making electrophilic substitution synthesis processes from F2-18 gas in order to produce F-DOPA (Standard), F-Tyrosine (**Optional**) and F-Uracil (**Optional**)

ii. The non-decay corrected radiochemical yield of NaF18 at end-of-synthesis (EOS) shall be no less than 20% and must be part of the tests for modules acceptance:

iii. Radiochemical yield %

iv. The total time of F-Dopa synthesis (HPLC and F2-18 transfer time included) shall be \leq 40 min

v. F-Dopa synthesis time min

H. [124-IODINE] – RECOVERY UNIT & [123-IODINE] - RECOVERY UNIT

The [124-Iodine, 123-Iodine]-Recovery unit unit shall be capable of performing an automated thermo-chromatographic separation of radionuclides of iodine from tellurium oxide targets irradiated on the solid target.

The following table shall be completed by the tenderer

- i. Radiochemical purity > ... % of Iodide (I-123, I-124)
- ii. Recovery > ... % radioiodine in the product vial
- iii. TeO₂ losses per batch ≤ ... mg / cycle

APPENDIX 3: EQUIPMENT FOR PET PRODUCTION LABORATORY – SPECIFICATIONS

A. General Requirements

The design and function of the equipment offered are considered to have a critical impact on the overall operation of the unit and production of the required radiopharmaceuticals, especially regarding GMP guidelines. Preference will be given to proven designs.

References list will be provided.

Technical datasheets on each equipment offered will be provided

B. Hot Cell for two FDG Synthesis Units:

The hot cells shall meet the following requirements:

One Single Production Hot Cell made of 90 mm lead shielding Front Face and 75mm lead shielding (stainless steel finishing) shall be made to house up to two FDG Synthesis units.

It shall be equipped with a shielded drawer in order to collect the cassette that will be ejected from the FDG Synthesis Unit(s).

C. Dispensing system for FDG from the FDG Synthesis Unit:

a) The Dispensing system includes

i. one hotcell made of 75mm lead shielding (stainless steel finishing) with Laminar Flow Class A.

ii. one automatic dispenser for vials (syringe must be also possible and offered as option).

b) At a minimum, it allows the following operations to be performed “hands off”, without opening the door of the hot cell:

i. Dispensing of selectable volumes from the product vial into other vials

ii. Lowering the sample vials into the dose calibrator for activity assay

iii. Remove vials from the cell in a shielded container without compromising the integrity of the laminar air flow or air-tight seal

D. Quality Control Equipment for FDG

a) Quality Control Equipment for FDG must be selected in order to allow performing tests according to the European Pharmacopoeia (latest version).

b) At least the following equipment shall be offered:

i. One HPGe detector coaxial 50 keV to 2 MeV, 10% efficiency, FWHM resolution 2 keV, lead shielding 5cm w/th Cu lining, digital spectrum analyser and related software.

- ii. One High Pressure Liquid Chromatography (HPLC)
- iii. One Gas Chromatograph (GC)
- iv. One Thin Layer Chromatograph (TLC)
- v. Two Dose Calibrator
- vi. One pH meter

c) Equipment for safe handling of the samples must be included.

d) Quality Control equipment for Endotoxin Tests and Sterility Tests on site shall be offered including the respective enclosures.

e) The layout proposal must take into account that these tests will be made internally and consequently must be in line with GMP guidelines.

E. Radiation Monitoring Equipment

a) A radiation monitoring system including (but not limited to) the following specifications should be supplied:

b) Gamma Monitor (GM) type area survey monitors are to be installed in the appropriate locations of the PET laboratories.

c) Each area survey meter shall meet or exceed the following specifications:

- i. sensitivity range from 0.5 μ Sv/h to 100 mSv/h
- ii. an energy compensated response
- iii. visible display of dose rate
- iv. audible and visual alarm with adjustable threshold
- v. A data logging and record system shall be supplied and installed.
- vi. One Stack monitoring system.
- vii. Neutron monitor : 4 no. (price to be quoted separately)

F. Other Equipment

a) All other equipment related to the installation of the Synthesis Units (and/or recovery unit for Iodine-124) included in the scope of supplies shall be priced (item per item).

b) Hot cells for these Synthesis units shall be described as well as one dispensing system for other compounds than FDG.

c) Other equipment (for example, fridge for reagent storage) shall be offered and technically described.

APPENDIX 4: BUILDING ENGINEERING FILE - SPECIFICATIONS

The GMP layout proposal will be revised with the end-user after contract signature.

Once agreed upon, the successful Tenderer shall work, in full consultation with the AIIMS, Bhubaneswar, in preparing detailed site plan for the installation of the cyclotron and associated

equipment and PET-CT.

The site plan shall include all requirements for the operation of the cyclotron and associated equipment in accordance with the Specifications.

The proposal of tenderers must include the price of building engineering files as described here below:

A. Architectural Design

a) Overall layout

b) Highlights of building specific aspects such as (but not limited to):

- Cyclotron connections
- transfer line trenches
- clean room & lab finishing aspects

c) 1/100 scaled plans and sections of the concerned part of the building

d) Architectural Basic Design shall be offered and scope of supplies will include above files

B. Structural design

a) Load capacity for supplied heavy equipment on architectural drawings.

b) Structural Design information shall be given

C. HVAC Design

a) Air conditioning, heating and cooling system – aeraulic and hydraulic diagrams

b) Cooling system including chilled water for technical equipment cyclotron) cooling

c) Definition and dimensioning of ventilation equipment

d) Unifilar drawings of ducts, piping and ventilation grids

e) Specification book for tendering

f) Establishment of a B.O.Q. (bill of quantity)

g) HVAC Design shall be offered and scope of supplies will include above files

D. Sanitary & Fluids

a) Description and unifilar drawings for sanitary, cold water, hot water, waste water, compressed air and gas systems

b) Dimensioning of the installations with the detailed design drawings of the installations with dimensions required for tendering, excluding specific locally agreed systems for potentially activated waste water treatment after decay (customers' charge).

- c) Specification book
- d) Establishment of a B.O.Q. (bill of quantity)
- e) Sanitary & Fluids files shall be offered and scope of supplies will include above documents

E. Electrical design

- a) Electricity design works concern the power distribution LV: main and divisional switchboards, all lighting installation and electrical installation for small appliances.
- b) Principal unifilar electrical layout
- c) Implementation of all lighting points, power plugs, all related boards and various other equipment
- d) Dimensioning and electrical equipment selection leading to complete unifilar drawings with schematic tables
- e) Specification book
- f) Establishment of a B.O.Q. (bill of quantity)
- g) Electrical Design shall be offered and scope of supplies will include above documents

F. Support of local architect

The supplier will work closely with a local architect and will support him with above files in order to allow submitting a tender for local building companies.

G. GMP turnkey references list

Expertise in building GMP compliant PET laboratories must be given by providing a references list.

References list of successful project realization including building engineering and GMP support will be supplied.

APPENDIX 5: TRAINING ON EQUIPMENT AND USER'S MEETING

A. Training on equipment:

A description of each training course will be given and must include, at least the following training:

B. Cyclotron operation training:

One Month training at On-site for four trainees of Buyer Staff having good command of English. The training will cover daily routine operation of the cyclotron.

C. Cyclotron maintenance training:

Two weeks training On-site on preventive maintenance and first line trouble shooting at manufacturer's premises for four trainees of Buyer Staff having good command of English.

D. FDG Synthesis units training:

Two weeks training at On-site for up to four radio-chemists of Buyer Staff having good command of English. The training will cover daily operation of FDG synthesis unit. PET radio-chemistry modules training (**optional**):

A minimum One week training per module supplied (for example F-Choline Synthera) at Onsite for up to four radio-chemists of Buyer Staff having good command of English. The training will cover operation of each radio-chemistry modules supplied.

E. Quality Control training:

One week training at On-site for up to four radio-chemists of Buyer Staff having good command of English. The training will cover the use of the Quality Control equipment.

F. Advanced technical training (OPTIONAL):

The tendered must mention the additional training courses that are available and that are dedicated to experienced technicians.

For example, specialized training on Radio-frequency for which the goals are fine tuning, advanced trouble shooting and corrective actions.

G. Global support

User's meeting:

Tendered is requested to provide information on User's meetings that have been previously organized by the company. It must describe the content and give the participants feed-back.

APPENDIX 6: SUPPORT AND TRAINING ON GMP GUIDELINES**A. Support on GMP Guidelines:**

- i. The tenderer must quote his support for the pharmaceutical Validation / Qualification of the site regarding the pharmaceutical production process of F18DG.
- ii. References of similar projects must be given. Evidence that these projects have been successfully supported by cyclotron manufacturer team must be given.
- iii. Quality audits of the pharmaceutical process will be also offered, as option
- iv. Tenderer must have the internal expertise in his company to provide support on Validation and Qualification of the Site:
- v. How many GMP sites certified in Europe have been put in operation by the Tenderer?sites.
- vi. How many GMP compliant sites (outside Europe) have been realized by the Tendered?sites.
- vii. How many GMP sites certified in Europe belong to the Tenderer? sites.

B. Training on GMP Guidelines:**Quality assurance advanced training**

One week training at On-site for up to four radio-chemists or radio-pharmacists of Buyer Staff having good command of English. The training will cover education to GMP guidelines; Quality Control and FDG process requirements.

APPENDIX 7: FDG MARKETING AUTHORIZATION - SUPPORT

The tenderer will provide the deliverables to support the preparation of the final submittal file to local authorities for obtaining the Market Authorization for FDG manufacture.

All deliverables will be in English language and in accordance with European Good Manufacturing practice.

SCOPE OF TURNKEY**Conditions for PET Centre Building including medical cyclotron housing:**

1. The cyclotron bidders have to quote for the turnkey work of the entire building as a green field project. The bidder must visit the site before the tender.
2. The cyclotron bidders are required to quote separately for the equipment and Turnkey Work as per Price Schedule. The Turnkey Work costs may be quoted in Indian Rupee and the same will be added for Ranking Purpose. The vendor should provide detailed construction drawing and cost per Sq.mtr of construction.
3. The Turnkey Work should completely comply with AERB requirement. The entire construction of cyclotron bunker, PET-CT area and radionuclide therapy isolation ward should be in conformity with AERB norms only.
4. The vendor should consult the department of Nuclear Medicine, AIIMS, Bhubaneswar and PET-CT vendor while preparing the layout. All the construction work to be done as per the final plan approved by AERB in consultation with Dept of Nuclear Medicine, AIIMS, Bhubaneswar.
5. Complete equipment layout site plan and details of work (BOQ) should be part of technical bid.
6. Total area to be constructed for entire building (Cyclotron bunker, radiopharmacy lab and PET-CT) is 8500 square feet.
7. The actual area of turnkey works done will be considered for payment, based on the site measurements.
8. The entire construction of cyclotron and PET-CT building should be in conformity with AERB norms only.
9. The drawings pertaining to architectural features of the building are to be prepared by the vendor from reputed firm and the same is to be approved by the user department as well as AERB before execution.

10. The necessary structural designs are to be provided by the vendor from reputed firm with a due consultation of the user department before executing the same.
11. The internal arrangements of the rooms for all the floors are to be consulted with the nuclear medicine department, AIIMS, Bhubaneswar.
12. All the necessary documentation such as SBC of that particular site, rain fall, soil details, seismic zone details to be collected by the vendor for AERB clearance.
13. The cyclotron bidders have to provide a detailed plan for construction of building for housing cyclotron, laboratory for radio pharmaceutical production and quality control and commissioning of PET-CT. This plan should incorporate the following features.
 - a. The base of the building should be constructed such that it could go upto ground floor + 2 floor in future.
 - b. Currently two floors (ground floor and + 1) need to be constructed.
 - c. The cyclotron room outer walls should be of RCC. The cyclotron should be housed in a bunker in the ground floor of the building as per AERB norms.
 - d. Radiopharmacy laboratory adjoining the cyclotron (Must be GMP Complaint) and PET-CT area should be in the ground floor.
 - e. PET-CT area should include PET-CT equipment room, UPS room, console room, Patient preparation area, nursing area, dose admin room, post admin waiting area, radioactive store, radioactive waste store, active toilets, staff toilets, changing room, technician room, consultant room (two in numbers), HOD room (one in number), patient examination rooms (2 in number) and reporting rooms (2 in numbers). Separate toilets for Ladies and Gents should be provided apart from separate public toilet facilities for men & women.
 - f. Six isolation rooms for radionuclide therapy, Nursing station, dose administration area, housekeeping rooms, conference room, students room with all other amenities (toilets) etc. on the first floor of building excluding bunker area.
 - g. Decay tank for 6 bed radionuclide isolation ward as per the AERB standard
 - h. Necessary lifts should be provided from Ground Floor to 1st Floor as per standard.
 - i. Separate room for D-G set, electrical panel etc
14. The vendor should make own arrangements towards water supply and electrical connection for carrying out the said work.
15. No escalation charges will be paid for the building and its allied works.
16. The construction of the entire building shall be completed within 9 months after obtaining AERB clearance for the project.
17. The penalty clause will come into effect if the work is not completed within the stipulated time as mentioned.

18. Vendor has to provide maintenance of turnkey work for 5 years. Service, repair and maintenance of all third party items will be the sole responsibility of primary vendor.

19. Civil work (scope of work):

- Leveling and lowering the ground excavation in oil types of soil/rock etc., to facilitate the required foundation for building including back filling, providing and injecting chemical emulsion for free constructional anti-termite treatment under and around the column pits, wall trenches, plinth filling junction of wall floor etc.
- Building should be a framed structure with Burnt Brick masonry walls with plain plastering.
- Structural glazing and Alcobond glazing elevation should be provided as per architectural drawing.
- Roof height of each floor of the building should be upto 3.60 mtr (cyclotron vendor may suggest different heights if required for cyclotron)
- All internal walls should be provided with color glazed full height wall tiles.
- M20 concrete should be used for Bed concrete as per specification.
- M20 concrete is used for window cills lintels and plinth beam etc.
- Providing and filling cinder concrete is used for sunken portion of toilet.
- M20 ready mix concrete for column footing, columns and bases of columns including cost of centering and shuttering for said work is to be considered with all transportation lead lift etc., to the work spot.
- High yield strength De-formed bars or steel bars of grade Fe 415 confirming to IS 1786-1985 are to be used including fabrication of steel.
- Conference room walls should be provided with acoustic veneer paneling system
- Wooden flush doors with laminate finish to be provided for all door opening except area where lead lined doors are required as per AERB.
- Glazed vitrified (GVT) tiles of marbanate finish of approved quality size 600 x 600mm with 100mm tile skirting should be used for the all areas like patient preparation area, Radiopharmaceutical lab, Quality assurance lab, Control room, Reporting room, Equipment room, Consultant room, Conference room and rest of area not using radioactive material (where vitrified files should not be put as per AERB)
- Ceramic tiles flooring of approved make and shade 300 x 300mm for flooring for all toilet and pantry area.
- Dadoing of glazed tiles of approved make 300 x 600mm is to be used as cladding for toilets.
- 5mm-Vinyl flooring in PET CT equipment / UPS room.

- Decay tank for 6 bed isolation wards as per AERB regulations
- Aluminium plain/perforated/ mirror finish, acoustical treated, powder coated tile for false ceiling for all the internal rooms should be provided. Ceiling height to suit the equipment mount and clearances.
- Site fabricated with plywood/lamination sheets as per the requirement of the user department.
- Flagging concrete to a width of 1.0 mtr all round the building and designer tiles paving for the remaining set back area at outside the building should be provided.
- Two coats Plastic Emulsion Paint over 2 coats of wall putty including primer in all the internal walls. Apex paint on external surface of the building.
- Platform for unloading and shifting the PET CT should be provided if necessary.
- Cable tray, trench & channel – necessary trenches, cable tray and channels at required location would be provided. Vendor has to consult with PET-CT vendor for all these in PET-CT room.
- Necessary water proofing treatment over the first floor terrace should be made.

20. Plumbing works

- All plumbing lines of area sizes of CPVC type with accessories are to be provided inside and outside the building from the main water supply source available in the campus along with 7.5 HP submersible pump with texmo/Atlanta or equivalent make.
- Necessary sanitary fittings and sanitary line should be provided according to the size of the building.
- All sanitary lines are to be drawn till the existing drainage point.
- Over head tanks of PVC sintex or equivalent make are to be used with a capacity as per the requirement.

21. Structural glazing: Providing and fixing combination of 3mm thick aluminum composite panels of approved make and quality for the front elevation of the building is to be provided (optional).

22. Fire alarm system:

- Supply, installation and commissioning of Fire Alarm System at each floor with adequate smoke detectors with hooters and MCP & Panels are to be provided.
- Sprinkler type fire fighting systems with MS pipes are to be provided.
- Adequate number of firefighting equipment should be provided.
- The building should comply with fire regulation norms.

23. Electrical work:

- The total load of electrical power requirement to be calculated by vendor, the necessary DG to the area along with transformer and VCB the cabling from transformer centre is to be laid as per the requirement of load (Approval to transformer and DG should be taken by vendor).
- Power supply by the institute will be terminated at existing point.
- All electrical provisions including earthing etc. will be vendor's responsibility.
- 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.
- The light power socket (MK/North Wet or equivalent) to be provided in each room as per scope.
- Switches light and power points should be of modular type and of standard make as listed below.
- LED light fittings with minimum 500 Lux Illumination
- Dimmer controlled incandescent light fixtures are to be provided in the console room – 2 numbers.
- Mains incomer MCCB for entire area under scope with adequate safety measures, volts meter, ammeter, frequency, phase indicator and earth leakage protection.
- Two independent earths to be provided for equipment with copper flexible cable up to electrical room with suitable copper earthing bus bar.
- Main LT panel as per design for distributing adequate power supply.
- Distribution boards for lighting and power separately for individual floors as per distribution SLD.
- DATA and telephone cabling for consultant rooms, and PACS room. Telephone cabling for isolation bed rooms and nursing station.
- Piped music system for common areas only.
- CCTV camera 16 Nos with 16 channel DVR system, LCD monitors (5 Nos.) with 1 TB storage space.
- Electrical inspection approved is mandatory for DG set.

24. Passenger lifts:

- Providing and installing lift from OTIS or equivalent (machine room less) for 08 passenger with

03 stops, automatic center opening door enamel painted, S.S. handrail inside, emergency alarm, facia plate, press and speak intercom, emergency light, PVC flooring inside car, car ceiling/panels with enamel paint.

- All the regulatory permission to operate the lift will be taken by vendor.

25. Air Conditioning works:

- The total load of AC should calculate in each area and air conditioners required for each area have to be provided by the vendor. The heat load calculations and maintaining the desired temperature and humidity shall be the responsibility of the bidder.
- Unit rate to be quoted.
- Duct-able package air conditioners and split air conditioners may be used according to room as well as equipment requirement and suitability. Necessary ducting to the standard of AERB is to be done.
- Humidity control should be effective to eliminate moisture condensation on equipment surface.
- The outdoor units of AC should have grill coverings to prevent theft and damage.
- 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.

26. Furniture works

- The scope of work includes supplying and fixing of necessary furniture for the entire area as per requirements with approved quality and shade.
- All the rooms should be furnished with hard wood materials as per the user department requirement
- All furniture items should be of standard make as mentioned in the table below
- Consultant table – 4 numbers
- Consultant chair – 4 numbers
- Table for workstations – 5 numbers
- Revolving chairs height adjustable, medium-back with hand-rest – 8 numbers
- Cupboard with laminate door shutters for storage of spare parts and accessories and records as per requirement. – 5 number

- Name boards for all rooms
- Provisions should be made for placing the various accessories in console room, work-station and printer locations
- Any other furniture to make department functional

27. The site should be rendered pest/rodent free.

28. LIST OF ITEMS AND SUGGESTED MANUFACTURERS.

ITEMS	PREFERRED MAKES
FLOORING VITRIFIED TILES	- Somany/ Kajaria / H&R/ Johnson/RAK india
PAINT	- Asian/Berger/Nerolac brands
PLUMBING	- Kohler/ Jaguar/ Grohe/Roca / equivalent
ELECTRICAL CABLES	- Finolex/Havells /V-Guard
SWITCHES	- Legrand, L&T/ Crabtree/ Roma
DISTRIBUTION BOX , MCB	- Legrand/ L&T/ Siemens/ Havels
LIGHT FITTINGS	- Philips / Crompton/ Schneider/Wipro make.
AIR CONDINTIONING	- Daikin/Hitachi/Blue Star/Voltas/Carrier
FURNITURE	- Hermen Miller / Godrej / Featherlite/Geeken

B. GENERAL POINTS:

1. Warranty:

a) The bidders must quote for Comprehensive Warranty as per Conditions of Contract of the bidding document for complete equipment (Including all spares, labour and third party items) and Turnkey Work (if required) from the date of satisfactory installation, commissioning, trial run, handing over and acceptance of the goods by the User Department.

b) The warranty charges shall not be quoted separately.

c) During the Warranty period, desired Uptime of 95% of 365/366 (Leap Year) days (24hrs), if downtime more than 5%, the warranty period/CAMC period will be extended by double the downtime period. In addition a penalty equal to amount of 0.25 % of the total cost of equipment per day will be liveable for the excess downtime period.

Complaints should be attended properly, maximum within 8 hrs.

d) All software updates should be provided free of cost during Comprehensive Warranty period.

2. After Sales Service:

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

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 User Department.

4. Comprehensive Annual Maintenance Contract (CAMC) of subject equipment:

- a) The cost of Comprehensive Annual Maintenance Contract (CAMC) which shall include preventive maintenance including testing & calibration as per technical/service/operational manual of the manufacturer, labour and all spares, after satisfactory completion of Warranty period may be quoted for next five years for 128 Slice PET CT and 15 years for Dual Particle Cyclotron on yearly basis for complete equipment including third party items as per Price Schedule.
- b) The cost of CAMC may be quoted along with GST applicable on the date of Bid Opening.
- c) Cost of CAMC will be added for Ranking/Evaluation purpose on NPB basis.
- d) Before commencement of CAMC period, the suppliers shall furnish a Performance Bank Guarantee for 2.5% of the cost of the equipment (as per Performa given in bidding document) valid till 3 months extra after expiry of entire CAMC period. The Performance Bank Guarantee for CAMC will be applicable in case of equipment cost is more than Rs.10 lakh.
- e) During the CAMC period, desired Uptime of 95% of 365/366 (Leap Year) days (24 hrs),if downtime more than 5%, the warranty period/CAMC period will be extended by double the downtime period. In addition a penalty equal to amount of 0.25% of the total cost of equipment per day will be liveable for the excess downtime period. Complaints should be attended properly, maximum within 8 hrs.
- f) All software updates should be provided free of cost during CAMC. In case of failure by the supplier, the Bank Guarantee of CAMC will be forfeited.
- g) The payment of CAMC will be made on half yearly basis after satisfactory completion of said period duly certified by end User.

5. Uptime & Downtime Penalty Clause:

- a) The firm should provide uptime guarantee of 95% during warranty period and CAMC period.
- b) During the Warranty period and CAMC period, desired Uptime of 95% of 365/366(Leap Year) days (24 hrs), if downtime more than 5%, the warranty period/CAMC period will be extended by double the downtime period. In addition a penalty equal to amount of 0.25 % of the total cost of equipment per day will be liveable for the excess downtime period. Complaints should be attended properly, maximum within 8 hrs.

Section – VIII
Quality Control Requirements

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

Tender Reference No.

Date of opening

Time

Name and address of the Tenderer:

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

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

- 02 Plant and machinery details:

- 03 Manufacturing process details:

- 04 Monthly (single shift) production capacity of goods quoted for
 - a. normal
 - b. maximum

- 05 Total annual turn-over (value in Rupees)

- 06 Quality control arrangement details
 - a. for incoming materials and bought-out components
 - b. for process control
 - c. for final product evaluation

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

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

Signature and seal of the Tenderer

Section – IX

Qualification Criteria

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

NOTE:

1. The tenderer shall give an affidavit as under:

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

2. In support of 2 (a) & 2 (b), the Tenderer shall furnish Performance statement in the enclosed Proforma ‘A’.
The manufacturer (Tenderer)/ Indian Agent shall furnish Satisfactory Performance Certificate in respect of above, duly translated in English and duly notarized in the country of origin, alongwith the tender.
3. The Tenderer shall furnish a brief write-up, packed with adequate data explaining and establishing his available capacity/capability (both technical and financial) to perform the Contract (if awarded) within the stipulated time period, after meeting all its current/present commitments. The Tenderer shall also furnish details of Equipment and Quality Control in the enclosed Section VIII.
4. Notwithstanding anything stated above, the Purchaser reserves the right to assess the Tenderer’s capability and capacity to perform the contract satisfactorily before deciding on award of Contract, should circumstances warrant such an assessment in the overall interest of the Purchaser.
5. **The bidder should submit the manufacturer’s production capacity, meeting the quantity requirement and delivery schedule requirement of this tender document.**
6. The Purchaser reserves the right to ask for a free demonstration of the quoted equipment at a pre determined place acceptable to the purchaser for technical acceptability as per the tender specifications, before the opening of the Price Tender.

PROFORMA 'A'
PROFORMA FOR PERFORMANCE STATEMENT
(For the period of last five years)

Tender Reference No. : _____

Date of opening : _____

Time : _____

Name and address of the Tenderer : _____

Name and address of the manufacturer : _____

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

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

Signature and seal of the Tenderer

**** The documentary proof will be a certificate from the consignee/ end user with cross-reference of order no. and date in the certificate along with a notarized certification authenticating the correctness of the information furnished.**

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

Section – X

TENDER FORM

Date _____

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

Ref. Your TE document No. _____ dated _____

We, the undersigned have examined the above mentioned TE document, including amendment/corrigendum No. _____, dated _____ (*if any*), the receipt of which is hereby confirmed. We now offer to supply and deliver _____ (*Description of goods and services*) in conformity with your above referred document **for the sum as shown in the price schedules attached herewith and made part of this tender**. If our tender is accepted, we undertake to supply the goods and perform the services as mentioned above, in accordance with the delivery schedule specified in the List of Requirements.

We further confirm that, if our tender is accepted, we shall provide you with a performance security of required amount in an acceptable form in terms of GCC clause 5, read with modification, if any, in Section - V – “Special Conditions of Contract”, for due performance of the contract.

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

We further understand that you are not bound to accept the lowest or any tender you may receive against your above-referred tender enquiry.

We confirm that we do not stand deregistered/banned/blacklisted by any Govt. Authorities.

We confirm that we fully agree to the terms and conditions specified in above mentioned TE document, including amendment/ corrigendum if any

(Signature with date)

(Name and designation)

Duly authorised to sign tender for and on
behalf of

SECTION – XI
PRICE SCHEDULE

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

SECTION – XII
QUESTIONNAIRE

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

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

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

SECTION – XIII

BANK GUARANTEE FORM FOR EMD

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

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

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

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

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

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

.....
Name and designation of the officer

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

SECTION – XIV

MANUFACTURER’S AUTHORISATION FORM

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

Dear Sir,

Ref: Your TE document No _____ dated _____

We, _____ who are proven and reputable manufacturers of _____ (*name and description of the goods offered in the tender*) having factories at _____, hereby authorise Messrs _____ (*name and address of the agent*) to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We also state that we are not participating directly in this tender for the following reason(s):

(*please provide reason here*).

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

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

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

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

Yours faithfully,

[*Signature with date, name, designation and Email*]
for and on behalf of Messrs _____
[*Name & address of the manufacturers*]

Note:

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

SECTION – XV

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC SECURITY

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

WHEREAS _____ (Name and address of the supplier) (Hereinafter called “the supplier”) has undertaken, in pursuance of contract no _____ dated _____ to supply (description of goods and services) (herein after called “the contract”).

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

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

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

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

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

This guarantee shall be valid till such time to cover two months beyond the warranty period from the date of Notification of Award i.e. up to _____ (indicate date).

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

.....
Name and designation of the officer

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

SECTION – XVI

CONTRACT FORM - A

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

(Address of the Purchaser/Consignee
Office issuing the contract)

Contract No _____ dated _____

This is in continuation to this office’s Notification of Award No _____ dated _____

1. Name & address of the Supplier: _____
2. Purchaser’s TE document No _____ dated _____ and subsequent Amendment No _____, dated _____ (if any), issued by the purchaser
3. Supplier’s Tender No _____ dated _____ and subsequent communication(s) No _____ dated _____ (if any), exchanged between the supplier and the purchaser in connection with this tender.
4. In addition to this Contract Form, the following documents etc, which are included in the documents mentioned under paragraphs 2 and 3 above, shall also be deemed to form and be read and construed as integral part of this contract:
 - (i) General Conditions of Contract;
 - (ii) Special Conditions of Contract;
 - (iii) List of Requirements;
 - (iv) Technical Specifications;
 - (v) Quality Control Requirements;
 - (vi) Tender Form furnished by the supplier;
 - (vii) Price Schedule(s) furnished by the supplier in its tender;
 - (viii) Manufacturers’ Authorisation Form (if applicable for this tender);
 - (ix) Purchaser’s Notification of Award

Note: The words and expressions used in this contract shall have the same meanings as are respectively assigned to them in the conditions of contract referred to above. Further, the definitions and abbreviations incorporated under clause 1 of Section II – ‘General Instructions to Tenderers’ of the Purchaser’s TE document shall also apply to this contract.

5. Some terms, conditions, stipulations etc. out of the above-referred documents are reproduced below for ready reference:
 - (i) Brief particulars of the goods and services which shall be supplied/ provided by the supplier are as under:

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

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

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

- (ii) Delivery schedule

- (iii) Details of Performance Security
- (iv) Quality Control
 - (a) Mode(s), stage(s) and place(s) of conducting inspections and tests.
 - (b) Designation and address of purchaser's inspecting officer
- (v) Destination and despatch instructions
- (vi) Consignee, including port consignee, if any

- 6. Warranty clause
- 7. Payment terms
- 8. Paying authority

(Signature, name and address
of the Purchaser's/Consignee's authorised official)
For and on behalf of _____

Received and accepted this contract
(Signature, name and address of the supplier's executive
duly authorised to sign on behalf of the supplier)
For and on behalf of _____
(Name and address of the supplier)
(Seal of the supplier)

Date: _____

Place: _____

CONTRACT FORM – B**CONTRACT FORM FOR ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT**

Annual CM Contract No. _____

dated _____

Between

(Address of Head of Hospital)

And

(Name & Address of the Supplier)

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

In continuation to the above referred contract

1. The Contract of Annual Comprehensive Maintenance is hereby concluded as under: -

1	2	3	4					5
Schedule No.	Brief description of goods	Quantity. (Nos.)	Annual Comprehensive Maintenance Contract Cost for Each Unit year wise*.					Total Annual Comprehensive Maintenance Contract Cost for 5 Years [3 x (4a+4b+4c+4d+4e)]
			1 st	2 nd	3 rd	4 th	5 th	
			a	b	c	d	e	

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

- 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)
- The cost of Annual Comprehensive Maintenance Contract (CMC) which includes preventive maintenance, labour and spares, after satisfactory completion of Warranty period may be quoted for next 5 years as contained in the above referred contract on yearly basis for complete equipment (including X ray tubes, Helium for MRI, Batteries for UPS, other vacuumatic parts, _____ & _____) and Site Modification Work (if any).
- 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.
- During CMC period, the supplier shall visit at each consignee's site for preventive maintenance including testing and calibration as per the manufacturer's service/ technical/ operational manual. The supplier shall visit each consignee site as recommended in the manufacturer's manual, but at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.
- All software updates should be provided free of cost during CMC.

7. The bank guarantee valid till _____ [(fill the date) 2 months after expiry of entire CMC period] for an amount of Rs. _____ [(fill amount) equivalent to 2.5 % of the cost of the equipment as per contract] shall be furnished in the prescribed format given in Section XV of the TE document, along with the signed copy of Annual CMC within a period of 21 (twenty one) days of issue of Annual CMC failing which the proceeds of Performance Security shall be payable to the Purchaser/Consignee.
8. If there is any lapse in the performance of the CMC as per contract, the proceeds Annual CMC bank guarantee for an amount of Rs. _____ (equivalent to 2.5 % of the cost of the equipment as per contract) shall be payable to the Consignee.
9. **Payment terms:** The payment of Annual CMC will be made against the bills raised to the consignee by the supplier on six monthly basis after satisfactory completion of said period, duly certified by the HOD concerned. The payment will be made in Indian Rupees.
10. **Paying authority:** _____ (name of the consignee i.e. Hospitalauthorised official)

(Signature, name and address
of Hospital authorised official)
For and on behalf of _____

Received and accepted this contract.
(Signature, name and address of the supplier's executive
duly authorised to sign on behalf of the supplier)
For and on behalf of _____
(Name and address of the supplier)
(Seal of the supplier)

Date: _____

Place: _____

SECTION – XVII

CONSIGNEE RECEIPT CERTIFICATE

(To be given by consignee's authorized representative)

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

- 1) Contract No. & date : _____
- 2) Supplier's Name : _____
- 3) Consignee's Name & Address with
telephone No. & Fax No. : _____
- 4) Name of the item supplied : _____
- 5) Quantity Supplied : _____
- 6) Date of Receipt by the Consignee : _____
- 7) Name and designation of Authorized
Representative of Consignee : _____
- 8) Signature of Authorized Representative of
Consignee with date : _____
- 9) Seal of the Consignee : _____

SECTION – XVIII
Proforma of Final Acceptance Certificate by the Consignee

No _____

Date _____

To

M/s _____

Subject: Certificate of commissioning of equipment /plant.

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

- (a) Contract No _____ dated _____
- (b) Description of the equipment (s)/plants: _____
- (c) Equipment (s)/ plant(s) nos.: _____
- (d) Quantity: _____
- (e) Bill of Loading/Air Way Bill/Railway Receipt/ Goods Consignment Note no _____ dated _____
- (f) Name of the vessel/Transporters: _____
- (g) Name of the Consignee: _____
- (h) Date of site hand-over to the supplier by consignee: _____
- (i) Date of commissioning and proving test: _____

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

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

The proving test has been done to our entire satisfaction and operators have been trained to operate the equipment (s)/plant(s).

The supplier has fulfilled its contractual obligations satisfactorily ## or

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

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

The extent of delay for each of the activities to be performed by the supplier in terms of the contract is.....

The amount of recovery on account of non-supply of accessories and spares is given under Para no.02

The amount of recovery on account of failure of the supplier to meet his contractual obligations is _____ (here indicate the amount).

(Signature)

(Name)

(Designation with stamp)

Explanatory notes for filling up the certificate:

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

Section – XIX

Consignee List

Sl. No.	Name of Hopsital and Address	Consignee Code	State	Airport	Dry Port/ Seaport
1	The Director, All India Institute of Medical Science, AIIMS-Bhubaneshwar, Near BijuPatnaik Police Academy, Village-Sijua, Bhubaneshwar- 751019, Orissa	Bhubaneswar	Odisha	KOLKATA	KOLKATA

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

APPENDIX – A

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

Dated 15th June, 2017
Udyog Bhawan, New Delhi

To

All Central Ministries/Departments/CPSUs/All concerned

ORDER

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

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

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

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

Now therefore the following Order is issued :

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

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

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

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

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

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

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

-2-

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

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

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

..... Contd.p.4/-

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

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

10. Specifications in Tenders and other procurement solicitations:

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

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

A copy of every such order shall be marked to the Member-Convenor of the Standing Committee constituted under this Order.
15. **Directions to Government companies:** In respect of Government companies and other procuring entities not governed by the General Financial Rules, the administrative Ministry or Department shall issue policy directions requiring compliance with this Order.
16. **Standing Committee:** A standing committee is hereby constituted with the following membership:
 - Secretary, Department of Industrial Policy and Promotion—Chairman
 - Secretary, Commerce—Member
 - Secretary, Ministry of Electronics and Information Technology—Member
 - Joint Secretary (Public Procurement), Department of Expenditure—Member
 - Joint Secretary (DIPP)—Member-Convenor

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

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

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

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

APPENDIX-B
INTEGRITY PACT

HLL Infra Tech Services Ltd.

Division : _____

Tender No: _____

PRE-CONTRACT INTEGRITY PACT

This Pre-Contract Integrity Pact (herein after called the Integrity Pact) is made on _____ day of the month of February 2012,

Between

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

And

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

Preamble

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

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

NOW, THEREFORE,

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

HLL Infra Tech Services Ltd.

Division : _____

Tender No: _____

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

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

Clause.1. Commitments of HITES

- 1.1 HITES undertakes that HITES and/or its Associates (i.e. employees, agents, consultants, advisors, etc.) will not demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.
- 1.2 HITES will, during the tender process / pre-contract stage, treat all BIDDERS with equity and reason, and will provide to all BIDDERS the same information and will not provide any such information or additional information, which is confidential in any manner, to any particular BIDDER which could afford an advantage to that particular BIDDER in comparison to other BIDDERS in relation to tendering process or during the contract execution.
- 1.3 All the officials of HITES will report to Chief Vigilance Officer of HITES (CVO), any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.
- 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.

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- 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 the Government for showing or forbearing to show favour or disfavor to any person in relation to the contract or any other contract with the Government.

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

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Tender No: _____

- 2.4 The counterparty will not pass to any third party any confidential information entrusted to it, unless duly authorized by HITES.
- 2.5 The counterparty 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 counterparty will not make any false or misleading allegations against HITES or its Associates.
- 2.8 BIDDERS shall disclose the payments to be made by them to agents/brokers or any other intermediary, in connection with this bid/contract.
- 2.9 The BIDDER further confirms and declares to HITES that the BIDDER is the original manufacture/integrator/authorized government sponsored export entity of the defense stores and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to HITES or any of its functionaries, whether officially or unofficially to award the contract to the BIDDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.
- 2.10 The BIDDER while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of HITES or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.
- 2.11 The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
- 2.12 The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.

HLL Infra Tech Services Ltd.

Division : _____

Tender No: _____

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 6 of the Companies Act 1956.

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.

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

3.1

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

3.2

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

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

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

4.1

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

4.2

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

4.3

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

Clause .5. Consequences of Violation / Breach

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

HLL Infra Tech Services I.td.

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- 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.

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- 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 Counterparty 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.

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Clause .7. Independent External Monitor(s)

- 7.1 HITES has appointed Independent External Monitor(s) (hereinafter referred to as Monitor(s)) for this Pact in consultation with the Central Vigilance Commission (Name and addresses of the Monitor(s) to be given).
- 7.2 The responsibility of the Monitor(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 Monitor(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 Monitor(s) have the right to access all the documents relating to the project/ procurement, including minutes of meetings.
- 7.5 As soon as the Monitor(s) notices, or has reason to believe, a violation of this pact, he will so inform the CVO.
- 7.6 The BIDDER(S) accepts that the Monitor(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 Monitor(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 Monitor(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 Monitor(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 Monitor(s) option to participate in such meetings.
- 7.8 The Monitor(s) will submit a written report to the CVO of HITES within 8 to 10 weeks from the date of reference or intimation to him by HITES/BIDDER and, should consent arise, submit proposals for correcting problematic situations.

HLL Infra Tech Services Ltd.

Division : _____

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**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.

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 Thiruvananthapuram 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 of HITES.

HLL Infra Tech Services Ltd.

Division : _____

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Clause. 13. Other provisions

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

INWITNESS 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

Director & CEO

Chief Executive

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.