

DOMESTIC

TENDER ENQUIRY DOCUMENT

FOR SUPPLY, INSTALLATION AND COMMISSIONING OF
MODULAR OPERATION THEATRES AT 07 NEW MEDICAL
COLLEGES IN MADHYA PRADESH

On behalf of

GOVT. OF MADHYA PRADESH

DIRECTORATE OF MEDICAL EDUCATION & RESEARCH

HITES/PCD/MP/08/MOT/18-19

Through



HLL INFRA TECH SERVICES LIMITED

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

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SECTION I

NOTICE INVITING TENDER (NIT)

Tender Enquiry No.: HITES/PCD/MP/08/MOT/18-19 Dated: 16.10.2018

- (1) Procurement & Consultancy Services Division of **HLL Infra Tech Services Limited (HITES)**, a fully owned subsidiary of HLL Lifecare Ltd. (HLL), for and on behalf of Govt. of Madhya Pradesh, Directorate of Medical Education & Research, invites sealed tenders, from eligible and qualified tenderers for supply, installation and commissioning of **MOT** to 07 upcoming Medical Colleges/ Institutes in Madhya Pradesh as mentioned in this Tender Enquiry Document:

Sch. No	RFx No	Consignee-GMC	Quantity	EMD (in INR)	Tender Processing Fee
1	3000003457	Shahdol	As mentioned in BOQ	14,00,000	11,800
		Datia		14,00,000	
		Chindwara		14,00,000	
		Vidisha		14,00,000	
		Ratlam		14,00,000	
		Khandwa		14,00,000	
		Shivpuri		14,00,000	

Note:

- EMD is kept same for all the sites as it will be the prerogative of the purchaser to allocate site to the responsive bidders on the basis of best benefit to the exchequer/ least cost method mechanism (explained in Section IX –Qualification Criteria). Bidders are requested to submit EMD as per their eligibility, however, uniform price need to be quoted on the basis of site wise BOQ as per the list of requirement.
- The EMD as indicated in e-tendering portal is the sum of EMDs for all above schedules. The bidder shall furnish the EMD only for the number of schedules offered by them.
- Tender processing Fee is inclusive of GST @18% (Our GSTIN: 09AADCH4882R1ZP) The bidder must quote for all the items in the BOQ and for all sites, failing which the bid will be considered Non-Responsive.
- **Bidders are instructed to visit the sites before quoting to avoid changes at a later stage.**

- (2) Tender timeline:

Sl. No.	Description	Schedule
a.	Last date for receipt of Pre-bid queries	23.10.2018, 10.00 AM
b.	Pre-bid meeting date, time	23.10.2018, 01:30 PM 6th Floor Conference Hall, DME, Satpura Bhawan, Bhopal.
d.	Closing date & time for submission of online bids	12.11.2018, 01:00 PM
c.	Closing date & time for submission of tender processing fee and EMD in physical form*	12.11.2018, 02:00 PM
e.	Time and date of opening of online bids	12.11.2018, 02:30 PM
f.	Venue for :- • Submission of tender processing fee, EMD in	HLL Infra Tech Services Limited, Procurement & Consultancy Services

Sl. No.	Description	Schedule
	physical form. • Tender Opening-Tech Bid	Division, B-14 A, Sector-62, Noida-201307

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

SPECIFIC Instructions for e-Tender Participation:-

- (1) The tenders are invited through the e-tender portal of HLL/HITES (<https://etender.lifecarehll.com/irj/portal>) only.
- (2) The prospective bidders have to register in the e-tender portal for participating in the tender. There is no registration fee. The instruction for registering in the portal along with video tutorial is available in the *Bidder Help Documents* provided in the e-tender portal login screen.
- (3) Bidders should have a valid Class 3 Digital Signature Certificate with signing and encryption keys.
- (4) On completion of the registration process, the bidders will be provided user ID and password within 72 hours (excepting non-working days). In order to submit the bids electronically bidders are required to have a valid Class 3 Digital Signature Certificate (**signing and encryption/ decryption certificates**).
- (5) Bidders can access the portal for viewing/ downloading the tender enquiry document & uploading tender(s) after the receipt of User ID & Password.
- (6) Bidders are requested to go through the *Bidder Help Documents* on e-tender portal before proceeding for bidding.
- (7) The bidders shall submit the required Tender Processing Fee (in form of Demand Draft or Banker's Cheque) and EMD (as per GIT clause no. 19.3) in physical form in favour of 'HLL Infra Tech Services Limited' at the scheduled time and venue. Tender processing Fee is required from all the bidders irrespective of their registration with NSIC or any other Govt. organisation
- (8) 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 submission of tender online can only be done thru' <https://etender.lifecarehll.com/irj/portal>.
- (10) All prospective tenderers may attend the Pre Tender meeting. The venue, date and time indicated above.
- (11) Tenderers shall ensure that their bids, complete in all respects, are submitted online through HLL e-portal (as described above) ONLY. No DEVIATION is acceptable.

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,
Sector-62, Noida-201307, Uttar Pradesh**

**CEO
HLL Infra Tech Services Limited**

SECTION - II
GENERAL INSTRUCTIONS TO TENDERERS (GIT)
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A. PREAMBLE

1. Definitions and Abbreviations

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

Definitions:

- (i) **“Purchaser”** means Deans of the 07 Medical Colleges as mentioned in Consignee list.
- (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.

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) “ED” means Excise Duty
- (xvii) “CD” means Custom Duty
- (xviii) “RR” means Railway Receipt
- (xix) “BL” means Bill of Lading
- (xx) “FOB” means Free on Board
- (xxi) “FCA” means Free Carrier
- (xxii) “FOR” means Free On Rail
- (xxiii) “CIF” means Cost, Insurance and Freight
- (xxiv) “CIP (Destinations)” means Carriage and Insurance Paid up to named port of destination. 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.
- (xxv) “DDP” means Delivery Duty Paid named place of destination (consignee site)
- (xxvi) “INCOTERMS” means International Commercial Terms as on the date of Tender Opening
- (xxvii) “CMC” means Comprehensive maintenance Contract (labour, spare and preventive maintenance)
- (xxviii) “RT” means Re-Tender.
- (xxix) “GST” means Goods and Services Tax

2. Introduction

The Purchaser has issued these TE documents for purchase of goods and related services as mentioned in Section – VI – “List of Requirements”, which also indicates, *interalia*, the required delivery schedule, terms and place of delivery.

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.

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.

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

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

4. Language of Tender

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.

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

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

6. Eligible Goods and Services

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

7. Tendering Expense

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

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
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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

Section XX -- Integrity Pact

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

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.

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.

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

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

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 VAT 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 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) **The Integrity pact (At Section XX) shall be a part and parcel of this document and has to be signed by bidder(s) at the pre-tendering stage itself, as a pre-bid obligation and should be submitted along with the Techno-Commercial Bids. All bidders are bound to comply with the integrity pact clauses. 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.

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.

A tender, which does not fulfill any of the above requirements and/or give evasive information/reply against any such requirement, shall be liable to be ignored.
Tender sent by fax/telex/cable shall be ignored.

12. Tender currencies

The tenderer supplying indigenous goods or already imported goods shall quote only in Indian Rupees.

Deleted.

Tenders, where prices are quoted in any other way shall be treated as Non -responsive and rejected.

13. Tender Prices

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.

While quoting for a schedule, the tenderer shall quote for the complete requirement of goods and services as specified in that particular schedule.

Deleted.

All sundry equipment, fittings, units assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connections, and all other items which are useful and necessary for efficient assembly and installation of equipment and components of the work shall be deemed to have been included in the tender irrespective of the fact whether such items are specifically mentioned in the tender documents or not.

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

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 Turnkey (if any), as mentioned in List of Requirements, Technical Specification and Price Schedule;
- f) The rates quoted by the tenderer, shall be firm and fixed and inclusive of all taxes including work contract taxes, custom central duties and levies and all charges for packing forwarding, insurance, freight and delivery, installation, testing commissioning, etc. at site temporary construction of storage, risk, overhead charges general liabilities/obligations and clearance from local authorities. Rates shall be firm for the contractual period of time and for such time for which department shall grant extension of time till completion of work. Octroi duty shall be paid separately but the department on demand can furnish octroi exemption certificate. However the department is not liable to reimburse the octroi duty in case the concerned authorities do not honour exemption certificate;
- g) the price of annual CMC, as mentioned in List of Requirements, Technical Specification and Price Schedule.

Deleted.

Additional information and instruction on Duties and Taxes:

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.

Deleted

Deleted

Octroi Duty and Local Duties & Taxes:

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.

Goods and Services Tax (GST) :

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 forthwith to the purchaser

Deleted

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

Deleted

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 not restrict the purchaser's right to award the contract on the selected tenderer on any of the terms offered.

14. Indian Agent

Deleted.

15. Firm Price

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

16. Alternative Tenders

Alternative Tenders are not permitted.

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

Only one tenderer is permitted to quote for the same manufacturer irrespective of models.

17 Documents Establishing Tenderer's Eligibility and Qualifications

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.

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) Deleted
- d) Deleted

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

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.

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.

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)

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.

The tenderers who are currently registered and, also, will continue to remain registered during the tender validity period with Directorate General of Supplies & Disposals or with National Small Industries Corporation, New Delhi for the specific goods as per tender enquiry specification shall be eligible for exemption from EMD. Vague stipulations in the Registration Certificate such as "to customers' specification", etc. will not be acceptable for exemption from furnishing of earnest money. In case the tenderer falls in these categories, it should furnish copy of its valid registration details (with DGS&D or NSIC, as the case may be).

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

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.

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.

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.

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.

Deleted

20. Tender Validity

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.

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.

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

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 Tenders

The tender shall be submitted online only.

- (i) Pre-qualification and Technical compliance along with the Techno-Commercial Bid in excel format: (ONLY Online submissions for all the documents.)
 - a) 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).
 - b) Tender Form as per Section X.
 - c) Compliance of all terms and conditions of TED like- warranty, CMC, delivery period, delivery terms, payment terms, Liquidated Damages Clause, Arbitration clause, etc
 - d) Declaration regarding Fall Clause and Deregistration, debarment from any Govt Dept/ Agencies
 - e) Copy of PAN.
 - f) Certificate of Incorporation/ or a Declaration in case the firm is being a proprietary firm.
 - g) Abridged Annual report of last 03 years (Balance sheet and Profit & Loss Account) completed till December 2016, in pdf format.
 - h) Name, address and details of account with respect to bidder and/or beneficiary of L/C.
 - i) Quality Control Requirements as per Section VIII
 - j) Performance statement along with required PO copies and its corresponding end user's satisfactory performance certificate as per section IX.
 - k) 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.
 - l) 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.
 - m) The original proforma invoices from the foreign principal will be applicable in case of 100% subsidiary companies incorporated in India also.
 - n) 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.
 - o) The Integrity pact (At Section XX) shall be a part and parcel of this document and has to be signed by bidder(s) at the pre-tendering stage itself, as a pre-bid obligation and should be submitted along with

the Techno-Commercial Bids. All bidders are bound to comply with the integrity pact clauses. 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.

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 (in hard copy)within its scheduled date & time.**

23. Late Tender:

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

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

E. TENDER OPENING

25. Opening of Tenders

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

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

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

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

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

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

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.

Prior to the detailed evaluation of Price Tenders, pursuant to GIT Clause 34, the Purchaser will determine the substantial responsiveness of each Tender to the TE Document. For purposes of these clauses, a substantially responsive Tender is one, which conforms to all the terms and conditions of the TE Documents without material deviations. Deviations from, or objections or reservation to critical provisions such as those concerning Performance Security (GCC Clause 5), Warranty (GCC Clause 15), EMD (GIT Clause 19), Taxes & Duties (GCC Clause 20), ForceMajeure (GCC Clause 26) and Applicable law (GCC Clause 31) will be deemed to be a material deviation. 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.

If a Tender is not substantially responsive, it will be rejected by the Purchaser and cannot subsequently be made responsive by the Tenderer by correction of the nonconformity.

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.

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.

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

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.

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

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.

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

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

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

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

The Notification is available in the below link:

http://www.finmin.nic.in/the_ministry/dept_expenditure/ppcell/RelaxNorms_StartupMedEnterpris_e25072016.pdf

The FAQs are available in the below link:

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

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

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

Start-up means an entity, incorporated or registered in India not prior to five years, with annual

turnover not exceeding INR 25 crore in any preceding financial year, working towards innovation, development, deployment or commercialization of new products, processes or services driven by technology or intellectual property.

Provided that such entity is not formed by splitting up, or reconstruction, of a business already inexistence.

Provided also that an entity shall cease to be a Start-up if its turnover for the previous financial years has exceeded INR 25 crore or it has completed 5 years from the date of incorporation/ registration.

Provided further that a Start-up shall be eligible for tax benefits only after it has obtained certification from the Inter-Ministerial Board, setup for such purpose.

32. Conversion of tender currencies to Indian Rupees

Deleted,

33. Schedule-wise Evaluation

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. However, as already mentioned in GIT sub clause 13.2, the tenderers have to quote for all the schedules and the purchaser will have the right to award the work to any number of schedule(s) as per the eligibility established during the techno commercial evaluation and to the best benefit of the exchequer.

34. Comparison of Tenders

Unless mentioned otherwise in Section – III – Special Instructions to Tenderers and Section – VI – List of Requirements, the comparison of the responsive tenders shall be carried out on Delivery Duty Paid (DDP) consignee site basis. The quoted turnkey 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

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

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.

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.
- iv. 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 Startups 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:

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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.)

Startup means an entity, incorporated or registered in India not prior to five years, with annual turnover not exceeding INR 25 crore in any preceding financial year, working towards innovation, development, deployment or commercialization of new products, processes or services driven by technology or intellectual property.

Provided that such entity is not formed by splitting up, or reconstruction, of a business already in existence.

Provided also that an entity shall cease to be a Startup if its turnover for the previous financial years has exceeded INR 25 crore or it has completed 5 years from the date of incorporation/ registration.

Provided further that a Startup shall be eligible for tax benefits only after it has obtained certification from the Inter-Ministerial Board, setup for such purpose.

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.

36. Tenderer's capability to perform the contract

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.

The above-mentioned determination will, *interalia*, take into account the tenderer's financial, technical and production capabilities for satisfying all the requirements of the purchaser as incorporated in the TE document. Such determination will be based upon scrutiny and examination of all relevant data and details submitted by the tenderer in its tender as well as such other allied information as deemed appropriate by the purchaser.

37. Contacting the Purchaser

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.

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

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

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 or on the basis of least cost to the purchaser.

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

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.

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

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.

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

42. Issue of Contract

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.

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.

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

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

44. Return of EMD

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

45. Publication of Tender Result

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. Integrity Pact

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

47. Corrupt or Fraudulent Practices

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	Change	
D	22 to 24	Submission of Tenders	Change	
E	25	Tender Opening	No Change	
F	26 to 37	Scrutiny and Evaluation of Tenders	No Change	
G	38 to 45	Award of Contract	No Change	

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

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

SUBMISSION OF e-TENDERS

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

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

Sl. No.	Topic
1	Application
2	Use of contract documents and information
3	Patent Rights
4	Country of Origin
5	Performance Security
6	Technical Specifications and Standards
7	Packing and Marking
8	Inspection, Testing and Quality Control
9	Terms of Delivery
10	Transportation of Goods
11	Insurance
12	Spare parts
13	Incidental services
14	Distribution of Dispatch Documents for Clearance/Receipt of Goods
15	Warranty
16	Assignment
17	Sub Contracts
18	Modification of contract
19	Prices
20	Taxes and Duties
21	Terms and mode of Payment
22	Delivery
23	Liquidated Damages
24	Termination for default
25	Termination for insolvency
26	Force Majeure
27	Termination for convenience
28	Governing language
29	Notices
30	Resolution of disputes
31	Applicable Law
32	Withholding and Lien
33	General/Miscellaneous Clauses

1. Application

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

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.

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.

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

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

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.

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.

The country of origin may be specified in the Price Schedule

5. Performance Security

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, initially valid for a period of minimum six months plus number of months under warranty from the date of Notification of Award

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.

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.

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.

Deleted.

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

6. Technical Specifications and Standards

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

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.

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.

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

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."

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.

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.

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.

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.

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."

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

9. Terms of Delivery

Goods shall be delivered by the supplier in accordance with the terms of delivery specified in the contract.

10. Transportation of Goods

Deleted.

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:

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 ,Indian Subsidiary/Indian agent 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 6 months after the receipt of goods by the Consignee.
- i) Deleted.

If the equipment is not commissioned and handed over to the consignee within 6 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

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

Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the goods so that the same are supplied to the Purchaser/Consignee promptly on receipt of order from the Purchaser/Consignee.

13. Incidental services

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

- i) Installation & commissioning, Supervision and Demonstration of the goods
- ii) Providing required jigs and tools for assembly, minor civil works required for the

- completion of the installation.
- iii) Training of Consignee's Doctors, Staff, operators etc. for operating and maintaining the goods
- iv) Supplying required number of operation & maintenance manual for the goods
- v) Maintenance of goods supplied

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) Deleted.

15. Warranty:

The supplier is to assure uninterrupted service without compromising OT/ICU

Complete system including labour & spares should have comprehensive onsite warranty for five (05) years; commencing from the date of issue of installation certificate by the institute. Post guarantee annual comprehensive maintenance contract (CMC) to cover main equipment/civil construction including all accessories supplied with the unit.

- Incremental Cost (if any) for, up gradation, if required, should form part of the contract for the Warranty and Post Warranty period.
- The Supplier (manufacturer) shall set-up a maintenance base to provide maintenance service, of the entire turnkey system being offered, at short notice during the warranty and post warranty period.
- If the performance of any individual equipment or system is not satisfactory, the same shall be replaced by the supplier free of cost.
- If it is found that to meet the performance criteria, any extra equipment is required the same will be provided free of cost by the supplier.
- All faults appearing and their rectification shall be periodically advised to the hospital, the period being not more than a month.
- Any lacuna or lacunae noticed in the functioning of the installation as a result of any design feature shall be rectified by the supplier free of cost.
- The Supplier shall fully associate the engineers and technicians of the Institute during installation, testing and commissioning.
- 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 equipments 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 like mishandling, manufacturing defects, etc. will be acceptable.
- Warranty as well as Comprehensive Maintenance contract will be inclusive of all accessories and Turnkey 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
 - 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.

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 GCC clause number 15.2 above irrespective of any other period mentioned elsewhere in the bidding documents.

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

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.

If the supplier, having been notified, fails to respond to take action to repair or replace the defect(s) within 8 hours on a 24(hrs) X 7 (days) X 365 (days) basis, the purchaser may proceed to take such remedial action(s) as deemed fit by the purchaser, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which the purchaser may have against the supplier.

During Warranty period, the supplier is required to visit at each consignee's site at least once in 6 months commencing from the date of the installation for preventive maintenance of the goods

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.

The supplier and the CMC provider shall ensure continued supply of the spare parts for the machines and equipments supplied by them to the purchaser for 10 years from the date of installation and handing over.

The Supplier and the CMC Provider shall always accord most favoured client status to the Purchaser vis-à-vis its other Clients/Purchasers of its equipments/machines/goods etc. and shall always give the most competitive price for its machines/equipments supplied to the Purchaser/Consignee.

16. Assignment

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

17. Sub Contracts

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.

Sub contract shall be only for bought out items and sub-assemblies.

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

18. Modification of Contract

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.

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

19. Prices

Prices to be charged by the supplier for supply of goods and provision of services in terms of the contract shall not vary 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

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

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

21. Terms and mode of payment**Payment Terms**

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

a) On delivery:

Seventy percent (70%) payment of the delivered goods price shall be paid on receipt of goods in good condition and upon the submission of the following documents:

- (i) Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
- (ii) Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of the consignee;
- (iii) Two copies of packing list identifying contents of each package;
- (iv) Inspection certificate issued by the nominated Inspection agency, if any.
- (v) Insurance Certificate as per GCC Clause 11 and documents also to be submitted for payment confirming that dispatch documents has already been sent to all concerned as per the contract within 24 hours;
- (vi) Certificate of origin.
- (vii) Manufacturer's warranty certificate.

b) Ten percent (10%) payment of the delivered goods price shall be paid on installation and upon submission of following document:-

- i) Installation certificate /installation report in original issued by the consignee.

c) On Acceptance:

Balance Twenty percent (20%) payment of the delivered goods value would be made against 'Final Acceptance Certificate' (FAC) 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 need to be issued by the designated consignee after installation, commissioning, testing and one month of successful trial run of the equipment.

d) Payment of other services, installation commissioning charges:- Payment of other services, labour, installation and commissioning charges etc. will be paid only after issuance of final acceptance certificate by the consignee.

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

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.

Deleted.

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

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.

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.

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

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 received 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

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.

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.

If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform the Purchaser/Consignee in writing about the same and its likely duration and make a request to the Purchaser/Consignee for extension of the delivery schedule accordingly. On receiving the supplier's communication, the Purchaser/Consignee shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.

When the period of delivery is extended due to unexcused delay by the supplier, the amendment letter extending the delivery period shall, 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.

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.

Passing of Property:

- i) 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.
- ii) 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.
- iii) Unless otherwise agreed, the goods remain at the supplier's risk until the property therein is transferred to the purchaser.

23. Liquidated damages

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

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

24. Termination for default

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.

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.

Unless otherwise instructed by the Purchaser/Consignee, the supplier shall continue to perform the contract to the extent not terminated.

25. Termination for insolvency

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

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.

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.

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.

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.

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

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.

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

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

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

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

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.

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. 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 arbitration of an officer in the Ministry of Law and Justice, appointed to be the arbitrator by the Client. The award of the arbitrator shall be final and binding on the parties to the contract subject to the provision that the Arbitrator shall give reasoned award in case the value of claim in reference exceeds Rupees One Lac (Rs. 1,00,000/-)

Venue of Arbitration: The venue of arbitration shall be the place from where the contract has been issued.

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

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

Any failure on the part of any Party to exercise right or power under this Contract shall not operate as waiver thereof.

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.

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.

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.

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.

All claims regarding indemnity shall survive the termination or expiry of the contract.

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

Schedule 1,
MOT for 07 New Medical Colleges

BOQ FOR MODULAR OTs SMS Based (5 OTs)- GMC SHAHDOL			
S.N	Name of Items as per tender specification	UNIT	Qty
1	Wall Paneling System(SMS)	Sq M	465
2	Ceiling Paneling System	Sq M	351
3	Laminar Air Flow System	Nos	5
4	Internal HVAC Ducting & Exhaust System	Ls	5
5	PVC Flooring with Self Leveling compound	Sq M	382
6	Hermetically Sealed Doors	Nos.	
	a. HERMETICALLY SEALED DOORS Size (2.1mx1.8m)	Nos.	5
	b. HERMETICALLY SEALED DOORS Size (2.1mx1.0m)	Nos.	5
	c. HERMETICALLY SEALED DOORS Size 2.1mx1.8m with Lead Line(As per AERB Norms) (optional)	Nos.	1
	d. HERMETICALLY SEALED DOORS Size 2.1mx1.0 m with Lead Line(As per AERB Norms) (optional)	Nos.	1
6A	e. View Window with Motorized Blinds - (optional)	Nos.	1
7	Touch Screen Control Panel	Nos	5
8	Pressure Relief Dampers	Nos	5
9	Hatch Box	Nos	5
10	Operating List Board	Nos	5
11	X-ray Film Viewer	Nos	5
12	Scrub Station	Nos	5
13	Storage Unit	Nos	5
14	OT Pendants (Anesthetist & Surgeon)	Nos	
	14.1. Anesthetist Pendant		5
	14.2. Surgeon Pendant		5
15	Peripheral lighting & Clean room luminaries	Nos	40
16	Electrical Installation	Ls	5
17	Distribution Box	Nos	5
18	Isolation Panel System (IPS) (optional)	Nos	5
19	Online UPS (optional)	Nos	5
20	Medical Gas Lines Installations	Ls	5
21	Site Modifications	Ls	1
22	OT Light with camera, Monitor & Recorder	Nos	
	1.1 OT light with Camera		5
	1.2 HD Camera		5
	1.3 HD Monitors		5
	1.4 HD Recorder		5
23	Extra Works (Price Should be Quoted Separately)		
	a. 9" Brick Wall	Sq M	100
	b. Demolition	Cu. Ft	100
	c. IPS Flooring	Sq M	100
	d. Wiring UPS to CP	M	50
	e. Wiring CP to MOT	M	100

BOQ FOR MODULAR OTs SMS Based (3 OTs)- GMC DATIA			
S.N	Name of Items as per tender specification	UNIT	Qty
1	Wall Paneling System(SMS)	Sq M	285
2	Ceiling Paneling System	Sq M	218
3	Laminar Air Flow System	Nos	3
4	Internal HVAC Ducting & Exhaust System	Ls	3
5	PVC Flooring with Self Leveling compound	Sq M	237
6	Hermetically Sealed Doors	Nos.	
	a. HERMETICALLY SEALED DOORS Size (2.1mx1.8m)	Nos.	3
	b. HERMETICALLY SEALED DOORS Size (2.1mx1.0m)	Nos.	3
	c. HERMETICALLY SEALED DOORS Size 2.1mx1.8m with Lead Line(As per AERB Norms) (optional)	Nos.	1
	d. HERMETICALLY SEALED DOORS Size 2.1mx1.0 m with Lead Line(As per AERB Norms) (optional)	Nos.	1
6A	e. View Window with Motorized Blinds -(optional)	Nos.	1
7	Touch Screen Control Panel	Nos	3
8	Pressure Relief Dampers	Nos	3
9	Hatch Box	Nos	3
10	Operating List Board	Nos	3
11	X-ray Film Viewer	Nos	3
12	Scrub Station	Nos	2
13	Storage Unit	Nos	3
14	OT Pendants (Anesthetist & Surgeon)	Nos	
	14.1. Anesthetist Pendant		3
	14.2. Surgeon Pendant		3
15	Peripheral lighting & Clean room luminaries	Nos	24
16	Electrical Installation	Ls	3
17	Distribution Box	Nos	3
18	Isolation Panel System (IPS) (optional)	Nos	3
19	Online UPS (optional)	Nos	3
20	Medical Gas Lines Installations	Ls	3
21	Site Modifications	Ls	1
22	OT Light with camera, Monitor & Recorder	Nos	
	1.1 OT light with Camera		3
	1.2 HD Camera		3
	1.3 HD Monitors		3
	1.4 HD Recorder		3
23	Extra Works (Price Should be Quoted Separately)		
	a. 9” Brick Wall	Sq M	100
	b. Demolition	Cu. Ft	100
	c. IPS Flooring	Sq M	100
	d. Wiring UPS to CP	M	50
	e. Wiring CP to MOT	M	100

BOQ FOR MODULAR OTs SS Based (8 OTs)-GMC CHHINDWARA			
S.N	Name of Items as per tender specification	UNIT	Qty
1	Wall Paneling System	Sq M	539
2	Ceiling Paneling System	Sq M	320
3	Laminar Air Flow System	Nos	8
4	Internal HVAC Ducting & Exhaust System	Ls	8
5	PVC Flooring with Self Leveling compound	Sq M	348
6	Hermetically Sealed Doors	Nos.	
	a. HERMETICALLY SEALED DOORS Size (2.1mx1.8m)	Nos.	8
	b. HERMETICALLY SEALED DOORS Size (2.1mx1.0m)	Nos.	8
	c. HERMETICALLY SEALED DOORS Size 2.1mx1.8m with Lead Line(As per AERB Norms) (optional)	Nos.	1
	d. HERMETICALLY SEALED DOORS Size 2.1mx1.0 m with Lead Line(As per AERB Norms) (optional)	Nos.	1
6A	e. View Window with Motorized Blinds -(optional)	Nos.	1
7	Touch Screen Control Panel	Nos	8
8	Pressure Relief Dampers	Nos	8
9	Hatch Box	Nos	8
10	Operating List Board	Nos	8
11	X-ray Film Viewer	Nos	8
12	Scrub Station	Nos	4
13	Storage Unit	Nos	8
14	OT Pendants (Anesthetist & Surgeon)	Nos	
	14.1. Anesthetist Pendant		8
	14.2. Surgeon Pendant		8
15	Peripheral lighting & Clean room luminaries	Nos	64
16	Electrical Installation	Ls	8
17	Distribution Box	Nos	8
18	Isolation Panel System (IPS) (optional)	Nos	8
19	Online UPS (optional)	Nos	8
20	Medical Gas Lines Installations	Ls	8
21	Site Modifications	Ls	1
22	OT Light with camera, Monitor & Recorder	Nos	
	1.1 OT light with Camera		8
	1.2 HD Camera		8
	1.3 HD Monitors		8
	1.4 HD Recorder		8
23	Extra Works (Price Should be Quoted Separately)		
	a. 9" Brick Wall	Sq M	100
	b. Demolition	Cu. Ft	100
	c. IPS Flooring	Sq M	100
	d. Wiring UPS to CP	M	50
	e. Wiring CP to MOT	M	100

BOQ FOR MODULAR OTs SS Based (8 OTs)- GMC VIDISHA			
S.N	Name of Items as per tender specification	UNIT	Qty
1	Wall Paneling System	Sq M	817
2	Ceiling Paneling System	Sq M	607
3	Laminar Air Flow System	Nos	8
4	Internal HVAC Ducting & Exhaust System	Ls	8
5	PVC Flooring with Self Leveling compound	Sq M	659
6	Hermetically Sealed Doors	Nos.	
	a. HERMETICALLY SEALED DOORS Size (2.1mx1.8m)	Nos.	8
	b. HERMETICALLY SEALED DOORS Size (2.1mx1.0m)	Nos.	8
	c. HERMETICALLY SEALED DOORS Size 2.1mx1.8m with Lead Line(As per AERB Norms) (optional)	Nos.	1
	d. HERMETICALLY SEALED DOORS Size 2.1mx1.0 m with Lead Line(As per AERB Norms) (optional)	Nos.	1
6A	e. View Window with Motorized Blinds -(optional)	Nos.	1
7	Touch Screen Control Panel	Nos	8
8	Pressure Relief Dampers	Nos	8
9	Hatch Box	Nos	0
10	Operating List Board	Nos	8
11	X-ray Film Viewer	Nos	8
12	Scrub Station	Nos	7
13	Storage Unit	Nos	8
14	OT Pendants (Anesthetist & Surgeon)	Nos	
	14.1. Anesthetist Pendant		8
	14.2. Surgeon Pendant		8
15	Peripheral lighting & Clean room luminaries	Nos	64
16	Electrical Installation	Ls	8
17	Distribution Box	Nos	8
18	Isolation Panel System (IPS) (optional)	Nos	8
19	Online UPS (optional)	Nos	8
20	Medical Gas Lines Installations	Ls	8
21	Site Modifications	Ls	1
22	OT Light with camera, Monitor & Recorder	Nos	
	1.1 OT light with Camera		8
	1.2 HD Camera		8
	1.3 HD Monitors		8
	1.4 HD Recorder		8
23	Extra Works (Price Should be Quoted Separately)		
	a. 9" Brick Wall	Sq M	100
	b. Demolition	Cu. Ft	100
	c. IPS Flooring	Sq M	100
	d. Wiring UPS to CP	M	50
	e. Wiring CP to MOT	M	100

BOQ FOR MODULAR OTs SS Based (10 OTs)- GMC RATLAM			
S.N	Name of Items as per tender specification	UNIT	Qty
1	Wall Paneling System	Sq M	929
2	Ceiling Paneling System	Sq M	700
3	Laminar Air Flow System	Nos	10
4	Internal HVAC Ducting & Exhaust System	Ls	10
5	PVC Flooring with Self Leveling compound	Sq M	761
6	Hermetically Sealed Doors	Nos.	
	a. HERMETICALLY SEALED DOORS Size (2.1mx1.8m)	Nos.	10
	b. HERMETICALLY SEALED DOORS Size (2.1mx1.0m)	Nos.	10
	c. HERMETICALLY SEALED DOORS Size 2.1mx1.8m with Lead Line(As per AERB Norms) (optional)	Nos.	1
	d. HERMETICALLY SEALED DOORS Size 2.1mx1.0 m with Lead Line(As per AERB Norms) (optional)	Nos.	1
6A	e. View Window with Motorized Blinds -(optional)	Nos.	1
7	Touch Screen Control Panel	Nos	10
8	Pressure Relief Dampers	Nos	10
9	Hatch Box	Nos	10
10	Operating List Board	Nos	10
11	X-ray Film Viewer	Nos	10
12	Scrub Station	Nos	10
13	Storage Unit	Nos	10
14	OT Pendants (Anesthetist & Surgeon)	Nos	
	14.1. Anesthetist Pendant		10
	14.2. Surgeon Pendant		10
15	Peripheral lighting & Clean room luminaries	Nos	80
16	Electrical Installation	Ls	10
17	Distribution Box	Nos	10
18	Isolation Panel System (IPS) (optional)	Nos	10
19	Online UPS (optional)	Nos	10
20	Medical Gas Lines Installations	Ls	10
21	Site Modifications	Ls	1
22	OT Light with camera, Monitor & Recorder	Nos	
	1.1 OT light with Camera		10
	1.2 HD Camera		10
	1.3 HD Monitors		10
	1.4 HD Recorder		10
23	Extra Works (Price Should be Quoted Separately)		
	a. 9" Brick Wall	Sq M	100
	b. Demolition	Cu. Ft	100
	c. IPS Flooring	Sq M	100
	d. Wiring UPS to CP	M	50
	e. Wiring CP to MOT	M	100

BOQ FOR MODULAR OTs SS Based (6 OT)- GMC KHANDWA			
S.N	Name of Items as per tender specification	UNIT	Qty
1	Wall Paneling System	Sq M	403
2	Ceiling Paneling System	Sq M	238
3	Laminar Air Flow System	Nos	6
4	Internal HVAC Ducting & Exhaust System	Ls	6
5	PVC Flooring with Self Leveling compound	Sq M	259
6	Hermetically Sealed Doors	Nos.	
	a. HERMETICALLY SEALED DOORS Size (2.1mx1.8m)	Nos.	6
	b. HERMETICALLY SEALED DOORS Size (2.1mx1.0m)	Nos.	6
	c. HERMETICALLY SEALED DOORS Size 2.1mx1.8m with Lead Line(As per AERB Norms) (optional)	Nos.	1
	d. HERMETICALLY SEALED DOORS Size 2.1mx1.0 m with Lead Line(As per AERB Norms) (optional)	Nos.	1
6A	e. View Window with Motorized Blinds -(optional)	Nos.	1
7	Touch Screen Control Panel	Nos	6
8	Pressure Relief Dampers	Nos	6
9	Hatch Box	Nos	0
10	Operating List Board	Nos	6
11	X-ray Film Viewer	Nos	6
12	Scrub Station	Nos	6
13	Storage Unit	Nos	6
14	OT Pendants (Anesthetist & Surgeon)	Nos	
	14.1. Anesthetist Pendant		6
	14.2. Surgeon Pendant		6
15	Peripheral lighting & Clean room luminaries	Nos	48
16	Electrical Installation	Ls	6
17	Distribution Box	Nos	6
18	Isolation Panel System (IPS) (optional)	Nos	1
19	Online UPS (optional)	Nos	1
20	Medical Gas Lines Installations	Ls	6
21	Site Modifications	Ls	1
22	OT Light with camera, Monitor & Recorder	Nos	
	1.1 OT light with Camera		6
	1.2 HD Camera		6
	1.3 HD Monitors		6
	1.4 HD Recorder		6
23	Extra Works (Price Should be Quoted Separately)		
	a. 9" Brick Wall	Sq M	100
	b. Demolition	Cu. Ft	100
	c. IPS Flooring	Sq M	100
	d. Wiring UPS to CP	M	50
	e. Wiring CP to MOT	M	100

BOQ FOR MODULAR OTs SS Based (9 OTs)- GMC SHIVPURI			
S.N	Name of Items as per tender specification	UNIT	Qty
1	Wall Paneling System	Sq M	694
2	Ceiling Paneling System	Sq M	427
3	Laminar Air Flow System	Nos	9
4	Internal HVAC Ducting & Exhaust System	Ls	9
5	PVC Flooring with Self Leveling compound	Sq M	464
6	Hermetically Sealed Doors	Nos.	
	a. HERMETICALLY SEALED DOORS Size (2.1mx1.8m)	Nos.	9
	b. HERMETICALLY SEALED DOORS Size (2.1mx1.0m)	Nos.	0
	c. HERMETICALLY SEALED DOORS Size 2.1mx1.8m with Lead Line(As per AERB Norms) (optional)	Nos.	1
	d. HERMETICALLY SEALED DOORS Size 2.1mx1.0 m with Lead Line(As per AERB Norms) (optional)	Nos.	1
6A	e. View Window with Motorized Blinds -(optional)	Nos.	1
7	Touch Screen Control Panel	Nos	9
8	Pressure Relief Dampers	Nos	9
9	Hatch Box	Nos	9
10	Operating List Board	Nos	9
11	X-ray Film Viewer	Nos	9
12	Scrub Station	Nos	9
13	Storage Unit	Nos	9
14	OT Pendants (Anesthetist & Surgeon)	Nos	
	14.1. Anesthetist Pendant		9
	14.2. Surgeon Pendant		9
15	Peripheral lighting & Clean room luminaries	Nos	72
16	Electrical Installation	Ls	9
17	Distribution Box	Nos	9
18	Isolation Panel System (IPS) (optional)	Nos	9
19	Online UPS (optional)	Nos	9
20	Medical Gas Lines Installations	Ls	9
21	Site Modifications	Ls	1
22	OT Light with camera, Monitor & Recorder	Nos	
	1.1 OT light with Camera		9
	1.2 HD Camera		9
	1.3 HD Monitors		9
	1.4 HD Recorder		9
23	Extra Works (Price Should be Quoted Separately)		
	a. 9" Brick Wall	Sq M	100
	b. Demolition	Cu. Ft	100
	c. IPS Flooring	Sq M	100
	d. Wiring UPS to CP	M	50
	e. Wiring CP to MOT	M	100

The bidder must quote for all the items in the BOQ of the Schedule, failing which the bid will be considered Non- Responsive.

Part II: Required Delivery Schedule:

- i. The tenderer/supplier is required to have capability to supply bulk/large quantity in shortest time.
- ii. The quantity mentioned in List of requirement must be supplied within **120 days of**

Notification of Award or 90 Days from the date of approval of layout drawing, whichever is later.

Note: The Purchaser/Consignee reserves the right to extend the delivery period at its discretion.

Part III: Scope of Incidental Services:

Installation & Commissioning, Supervision, Demonstration, Trial run and Training etc. as specified in GCC Clause 13. Five (5) persons each from each medical college/ institution needs to be trained for MOT.

Part IV:

Turnkey (if any) as per details in Technical Specification.

Part V:

Warranty period as per details in general technical specification and as specified in Part I above. Warranty period will be 60 months from the date of installation, commissioning and acceptance or 66 months from the date of last shipment/dispatch when received at consignee site, 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

Free at Consignee's Site

Destination/Consignee details are given in Section XXI

SECTION – VII

TECHNICAL SPECIFICATIONS

SN	Modular OT (SMS Based) Specification for SHAHDOL and DATIA
	RESPONSIBILITY OF BIDDER
a	Bidder shall be responsible for complete design, construction, testing and commissioning of modular operation theatres based on seamless integration with modular concept.
b	Bidder shall execute all required modification in civil, electrical and peripheral lighting, plumbing, air-conditioning system (Ducting inside the OT), demolition and other works as may be required for complete installation and trouble-free functioning of the operation theatres as a part of the 'Site Modification' like PRD cutout, Hatch Box cutout, modification to Door cutout as per Door size etc.
c	Necessary coordination with fire-safety vendor for the installation of fire-safety sensor/instrument inside the MOT to be done by the MOT bidder.
d	The bidder shall be responsible for the complete works including the submission of Working Drawings, layout drawings and walk through view on the basis of provided Auto CAD or PDF or Hard Copies of Drawings from respective institute.
e	Bidder shall be responsible for installation and commissioning of other medical equipment (like Integration Equipment, Monitors, Etc) in coordination with hospital authorities.
f	The bidder should provide UPS power supply to all OTs (If UPS is in the scope of MOT bidder)
g	Bidder shall be responsible for free maintenance of modular operation theatres during warranty period inclusive of all consumables.
h	Bidder shall be responsible for commissioning of all equipment coming within the MOT as per technical specification of the tender.
i	MOT Bidder should coordinate with MGPS and other bidders for the successful completion of MOT.
j	Bidder shall be responsible for maintaining suitable air conditioning inside the operation theatre (Ducting inside the OT). Setting and monitoring of temperature and RH should be in the scope of the MOT vendor. (Necessary coordination with HVAC vendor to be done by the MOT bidder)
k	Bidder should provide factory test certificates for the material user for the construction of modular theatres.
l	Bidder should supply complete set of part manuals, service manuals for all the systems and subsystems to be supplied.
m	Consignee/ User have to be trained for a week by the engineers from Original Equipment Manufacturer (OEM).
n	Final electrical safety test, system test, and calibration should be done as per international standard by authorized persons using calibrated test equipment and declaration should be submitted by the vendor.
o	OEM or his authorized agent should post a trained engineer who should be available at site or should reach the site within 24 hrs of raising a service call.
p	Regarding Outlets of the Anesthesia & surgeon Pendants, bidders have to supply same type of outlets as installed in the same building/block. Before shipment of the Pendants, bidders should take necessary action for selecting the same standard outlets and outlets should be European CE approved or UL listed
q	Bidder must have a satisfactory installation of complete MOT as asked in tender and demo may be taken for the same.
r	Bidder has to clarify their doubts or prerequisites during prebid meeting. No extra prerequisites or clarifications after placement of order will be addressed.
s	Bidder has to submit their drawing within 10 days after placement of order in consultation with HITES and after site visit.
	Responsibility of the Consignee:
1	The institute will provide MOT shell structure (complete with brick works, plastering , leveled floor of the outer area only)
2	Institute will provide UPS room preferably on same OT floor or If it is elsewhere the necessary power cables from UPS room to each OT (load capacity of approx 12-15kVA) to be provided by the institute if UPS is in scope of MOT vendor.
3	Institute will provide hot and cold water supply with drain and 5/15 A switch sockets at each scrub location
4	Institute will provide temporary storage for storing of raw materials of MOT system during installation period and the security of the store is the responsibility of MOT vendor

5	Institute will provide working electrical power supply for installation to MOT vendor on chargeable basis or MOT vendor will arrange their own working power.
6	Institute will provide LAN cable, telephone line, copper strip earthing for each OTs
7	Institute will provide dedicated AHU & air conditioning with HVAC supply and return aluminium air duct and suitable prefilter upto outside of each OTs
8	Institute will provide single point electrical connection at outside wall of each OT/at the UPS room (If UPS supply is at the MOT vendor scope). All other cabling has to be done by the bidder.
9	Institute will be responsible for complete finishing of areas outside the MOT like corridors, scrub area, preparation room, store room etc except inside MOT area and floor level of corridor connecting to the OT should be 4-5mm higher than MOT floor level
	SCOPE OF WORK
	The "Site Modification" work includes all modifications to the built up space provided at the hospital site including Installation of Medical Equipment, Communication Systems, civil modifications, electrical works, plumbing works, interior decoration, air conditioning ducting and other related works of the Operation Theatre required for the smooth and efficient functioning of the centre. These works shall comply with all relevant safety and standards guidelines. The vendor is fully responsible for installation and commissioning of all equipment mentioned in the tender. Bidders are strongly advised to visit the site for assessment before the submission of tender offer.
	Turn Key Job to be provided by the Bidder for following –
1	Wall Paneling System
2	Ceiling Paneling System
3	Laminar Air Flow System
4	Internal HVAC Ducting & Exhaust System
5	PVC Flooring
6	Hermetically Sealed Doors
7	Touch Screen Control Panel
8	Pressure Relief Dampers
9	Hatch Box
10	Operating List Board
11	X-ray Film Viewer
12	Scrub Station
13	Storage Unit
14	OT Pendants (Anesthetist & Surgeon)
15	Peripheral lighting & Clean room luminaries
16	Electrical Installation
17	Distribution Box
18	Isolation Panel System (IPS)
19	Online UPS
20	Medical Gas Lines Installations
21	Site Modifications
22	OT Light with camera, Monitor & Recorder
1	WALL & CEILING SYSTEM (SMS)
1.1	The wall system should be based on a technological modular unit designed to clad and to divide interior space in controlled bacteria environments in a flexible and functional manner.
1.2	The design ensures that the unique self-loading and free standing substructure can be clad with all types of engineered finishing panels without use of screws and any other fixed mechanical joints (SCREWLEES TECHNOLOGY)
1.3	The outer surface of a wall surface should be created with high –tech materials such as Solid Mineral Composite Sheet (SMS) with backing of Aluminum frame.
1.4	System should offer total ease of cleaning and sanitization of the partitions. It should have no corners and adjacent surfaces should be molded flush by means of connecting elements. System should afford the maximum versatility at the planning stage and flexibility during erection, ensuring openness to future alternations and trouble-free maintenance. During the installation, first the structural parts and subsequently the finishing elements to be installed. The system should ensure perfect integration of technical networks and allow ample operational flexibility on the construction site.

1.5	The clean, dry installation method should enable optimum programming of the various work phases, allowing optimization of the installation of technical systems and any necessary alterations to be made—right up to checking and final testing of the installed systems – before the modules are sealed.
1.6	All component of Wall & Ceiling System should be from the same manufacturer for the following
1.7	Sub frame/Structure
1.8	Wall Panels
1.9	Angular Wall corners
1.10	Sealing Material
1.11	Ceiling Panels
1.12	Sub Frame/Structure:
	Sub Structure frame made of galvanized steel pillars with broad cross section and dual cavity, with geometry designed to achieve exceptional rigidity. The substructure, with its FREE-STANDING technology, minimize the interference with all electro mechanical systems to be installed. Possible to adjust and secure the profiles, ensuring the maximum rigidity and self-loading capacity of the sub frame system.
1.13	Wall panels:
	Cladding shall be with composite panels the finishing of which should be Solid Mineral
	Composite Sheet (SMS) thickness of 03mm.
	Entire thickness of SMS sheet should be antimicrobial, dense and non-porous material.
	The panel should be made of a durable and uniform material that should be easy to clean and extremely hygienic.
	Internal balancing core with suitable geometry to ensure the maximum rigidity
	The total thickness of panel including Aluminum backing structural panel (minimum 15mm thickness) consisting of a trapezoidal aluminium corrugated core glued between two flat of aluminium sheet and total panel thickness not less than 18mm
	Panels should be resistant to water and detergents normally used in hospital.
	Reaction to fire class 1 norm
	In order to create a smooth uninterrupted surface between adjacent panels, thereby preventing the risk of the accumulation of dust and bacteria in gaps, the panel should be produced in a single full height floor-to ceiling piece.
	The wall modules should be individually dismountable independently from ceiling and floor system to allow inspectability, maintenance of technical systems, and any variations that may become necessary for future alteration, modification and repair.
1.14	Angular Wall corners:
	Angular air intake element made with a 130°-140° angular modular element with the same finish of the wall panels. Such unit is internally completed by a stainless-steel recovery duct formed by a single inox sheet, perfectly integrated and shelled in order to allow the correct element sanitization. A removable front panel allows both access to the canal behind either the regulation of the air flow between the lower and upper opening (adjusting dampers excluded)
1.15	Sealing Material:
	Should be non-toxic , antibacterial medical grade silicone/ Monolithic sealing method around all the contact perimeters between the various materials, and the hermetically sealed gaps between modules, should ensure optimum space segregation and ensure that sterile air pressure values are maintained in the protected environment, this being a fundamental prerequisite for guaranteed sterility. Should be seamlessly connected surface with same color finish.
1.16	Ceiling Panels:
	The hermetic suspended ceiling should be a loading structure in heavy gauge material forming the grid on which the ceiling panels made of Solid Mineral Composite Sheet (SMS) thickness of 03mm.
	The total thickness of panel including Aluminum backing should not be less than 18mm.The integration of sealed lighting fixtures, air anemostats and /or various service units. The variable module grid should make it possible to adapt the size of the ceiling module to match the equipment to be mounted. It should also allow the use of different module sizes within the same room.
	The grid should be formed of loading profiles, suspended from the ceiling slab, to which the crossbar profiles are secured by means of rigid mechanical couplings. The thus formed grid should be rigid and remains perfectly stable during all the subsequent site operations.
	The suspended ceiling should be hermetically sealed by means of nontoxic silicon gasket application and it should be durable and non-degradable & resistant to microorganism attack.

	Color of inner surface wall & Ceiling of MOT shall be finalized after approval of consignee.
2	LAMINAR AIR FLOW SYSTEM
2.1	The ceiling filtration system should be designed to ensure unidirectional distribution of sterile air of the surgical theatre to ensure the cleanliness of all the area covered by the air flow.
2.2	The Laminar flow system should comprise of thick extruded aluminum profiles frame and sealed gasket. The filters installed in the plenum should be suitable for application for laminar flow and clean rooms. These filters should meet following specification.
	Separators : continuous thermo plastic chord
	Sealant : Polyurethane
	Gasket : One piece polyurethane
	MPPS average efficiency: > 99.95%
	3 Micron DOP efficiency > 99.99%
	Final Pressure drop : 600 pa(max)
	Maximum Operating Temp : 60 degree Celsius
	Maximum RH : 40-50 %
2.3	The ceiling system should be equipped with "H 14" class HEPA filters position in the ceiling to achieve 0.25m/sec flow at the diffuser.
2.4	Filtration Ceiling System holding structure, Filter frames and top plenum should be made of Aluminium/Stainless Steel.
2.5	The filtration ceiling system should have diffuser/flow equalizer to achieve uniform & constant air distribution over the whole surface. It should be CE/UL certified
2.6	The air management system should be designed to achieve class 100 with the following parameters:
	Bacteriological class =B (5 CFU/m3)
	Particle decontamination kinetics CP =5 min
	ISO 14644/1 classification = ISO 5
	Third party validation by Govt. approved environment lab(After Installation)
2.7	The positive pressure should be maintained inside the OT to prevent contamination due to air from outside the OT.
2.8	The supplier should provide test certificate for HEPA filter and laminar air flow systems from the original manufactures.
2.9	Size of laminar airflow system minimum 8 feet X 8 feet or more.
2.10	Should be CE certified.
2.11	Note: Prospective bidders are advised to collect the information regarding CFM and AHU capacity from the respective institute site. Total flow rate of filter bank shall match the CFM of AHU.
3	Internal HVAC Ducting & Exhaust System
3.1	All the ducting inside the MOT shall be scope of the MOT bidder.
3.2	All the ducting should be as per industry standard and sheet should be Aluminum of appropriate thickness and insulated as per industry standard.
3.3	All necessary HVAC interconnection for supply and return air shall be the scope of bidder (the institute will provide the duct upto outside of each MOT)
3.4	Return air exhaust grill should be provided in the OT.
3.5	The exhaust air cabinets should be openable and cleanable.
3.6	These cabinets should have suction from bottom and top also.
3.7	Designed flow rate should not be less than 1000 m3/hr. Distribution of exhaust air volume should be divided between fluff strainers to maintain the required pressure within the theatre without causing turbulence.
3.8	The Exhaust air cabinet should be manufactured and supplied by the supplier of wall and ceiling system supplies.
3.9	Return air exhaust cabinet should be made from SS304 and should be from the same manufacturer of wall panel. Also it should match perfectly with the ceiling system aesthetically
4	PVC FLOORING WITH SELF LEVELING
4.1	It should be with 2mm antistatic seamless PVC flooring
4.2	Floor should be smooth, non-slip, impervious material conductive enough to dissipate static electricity but not conductive enough to endanger personnel from electric shock.
4.3	Electrostatic charge dissipation combat PVC seamless flooring of very high quality should be provided.
4.4	Thickness not less than 2 mm. Continuous roll should be used and joints should be welded by special PVC thermal welding units using PVC welding bars of same colour.

4.5	The sheets should be highly durable with resistance to shock and indentation. It should be scratchproof also. The conductive material should be uniformly impregnated as grains.
4.6	It should be inert to body fluids, chemicals and disinfectants. Should not be affected by temperature variation within the OT.
4.7	The floor should efficiently discharge electric charges up to 2 kV
4.8	Flooring should be done by skilled workers of accredited agencies authorized by the supplier of PVC sheets. The electrical resistance (point to ground) should be within 2.5x10⁴ to 5x10⁶ ohms . The floor should not allow build up of electrical charge beyond 100 volts due to antistatic effect. The corners should not be terminated sharply and concealed cove-former (aluminium) should be used to overlap the wall panel to a height of approx.25mm and sealed perfectly and uniformly. Self leveling compounds should be used.
4.9	The conductive copper grid laid underneath the PVC sheet should be supported by liquid epoxy compounds allowed to set as a uniform and level surface. The copper strips to be made visible by grinding and no copper strip should project more than 0.5mm above level surface to avoid damage to the PVC sheet. One earthing lead should be brought out from every 150sq.ft area and attaching it to the main earthing strip/ground.
4.10	Copper grounding strips (0.05 mm thick, 50 mm width) should be laid flat on the floor in the conductive adhesive and connected to copper strip of grounding. The connection from copper grid should be brought out uniformly at places to form equipotential grid.
4.11	Flooring should be mechanically shock proof, scratch proof, flame retardant and anti microbial
4.12	Corners should be uniformly curved
4.13	Final surface should be non corrosive to biological fluids and detergents.
4.14	Colour should be uniform pleasant and matching with ambience and as approved by respective consignee.
4.15	Suitable self-leveling should be done before PVC flooring to avoid undulation within the MOT.
5	HERMETICALLY SEALED DOORS -
5.1	Door sizes should be as per below option and quantities will be as per BOQ of respective institute
a	HERMETICALLY SEALED DOORS Size 2.1mx1.8m
b	HERMETICALLY SEALED DOORS Size 2.1mx1.0m
c	HERMETICALLY SEALED DOORS Size 2.1mx1.8m with Lead Line(As per AERB Norms) (Optional)
d	HERMETICALLY SEALED DOORS Size 2.1mx1.0 m with Lead Line(As per AERB Norms) (Optional)
5.2	This should be a hermetically sealed, single sliding door of 2.1 (H)X 1.8 m(W)
5.3	The controller should be capable of being operated by elbow switches/foot switches as well as touch less sensor.
5.4	The track should be of stainless steel/Aluminum and the running surface for the top rollers should be suitably angled to reduce resistance to movement
5.5	The door leaf should be hung by means of hard plastic rollers of high quality with double bearing at the top. Rollers should be provided under the stainless steel/Aluminium track to enable smooth and noiseless movement.
5.6	Opening and closing of the door should be microprocessor controlled electromechanical movement.
5.7	The door material should be of SMS and Color should match the interior and care should be taken to make the leaf strong and light weight.
5.8	One should be able to open and close the door effortlessly incase of failure of automatic mechanism.
5.9	Door opening handle should be strong and sturdy. Material should be of SS (gloss finish). Should be provided with high quality cylindrical lock.
5.10	Door leaf should have high quality synthetic rubber gasket with long life to ensure hermetic sealing (to maintain air pressure differential). Air tightness 99.99% at a pressure of 100Pa.
5.11	The finished floor on either side of the door should be perfectly level (maximum permissible difference +1mm).
5.12	The overall thickness of the finished door should be 40-60mm . The inner part of the door should be filled with CFC free polyurethane foam thickness of 48mm or nearby. (Sealed airtight to prevent further ingress of any microbial organism).
5.13	The door and controls should comply with IEE regulation. All motors used should be DC brushless motors with essential isolation from mains.
5.14	Door should be with vision window 300 mm x 300 mm with double glazed panels and hermetically sealed.
5.15	Door movement should have minimum noise.
5.16	The starting time after receiving the signal should be adjustable between 0.5 to 20 seconds.
5.17	The door controller should be CE marked.
5.18	Test certificate for hermetically sealed door frame (factory test certificate) should be enclosed with the pre dispatch documents.
6	Window with Motorized Blinds for MOT -1Nos (Optional) size approx. 1.5m x 1m

7	TOUCH SCREEN CONTROL PANEL 20" or more
7.1	The control panel should be touch screen panel. This control panel should work as the central control panel for the HVAC controls, instruction board. Touch screen, OT light control. The controller should be capable of adjusting the temp adjustment of +/- 5 Deg with in 5Minutes. It should be CE or UL Listed.
7.2	The touch screen should be wall mounted, stationed in the visibility line of the surgeon and OT staff. The access height should be convenient for the nurse to operate and help/assistant when in need.
7.3	The panel should accommodate digital clock and the elapsed time indicator.
7.4	The medical gas alarm should indicate high and low gas pressures for each gas service present in the OT including vacuum. This should be supported by audible alarm also. The panel should have an alarm mute (fault annunciation) facility. The sensors (pressure switches) should be at the nearest isolation valve.
7.5	Control for general lighting: ON/OFF and dimming controls organized in groups to provide uniform illumination.
7.6	Control of the operating light (major and satellite and camera control (on/off and intensity control) should be provided.
7.7	Hand free telephone set with memory should be located at one side.
7.8	Temperature and humidity control for the room connected to the AHU. (Adjustable from the panel) The controller should be capable of adjusting the temp adjustment of +/- 5 Deg with in 5Minutes wherever separate AHU is provided for each OT.
7.9	Digital room pressure indicator in cm of H ₂ O or equivalent (signal from pressure sensor shall be provided to indicate pressure differential between OT and outside)
7.10	HEPA filter bank differential pressure indicator.
7.11	The control Panel should be able to integrated with HIS/BMS
8	PRESSURE RELIEF DAMPERS
8.1	Pressure relief dampers or over flow ports should be provided in each room to prevent contamination of air from clean and dirty areas.
8.2	Suitably sized air pressure relief damper should be strategically placed, enabling differential room pressure to be maintained and ensure that when doors are opened between clean and dirty areas.
8.3	Counter- weight balancing system should be provided in the PRD to maintain positive pressure inside the operation room.
8.4	Air pressure stabilizers should have unique capability of controlling differential pressure to close tolerance. The PRD should remain closed at pressure below the set pressure and should open fully at a pressure only fractionally above the threshold pressure.
8.5	The frame, body and blade should be of grade SS304 stainless steel.
9	HATCH BOX
9.1	It should be provided in each operation theater to remove waste materials from the operation theater to dirty linen area/corridor just adjacent to Operation Theater.
9.2	Each hatch box should be equipped with two doors and the door should be operated electrically/motorised.
9.3	The hatch should be designed in such a way that only one door should be opened at one time.
9.4	The UV light should be so installed that it is kept on while both the doors are closed. This UV light has to be automatically turned off in case of opening of either of the doors.
9.5	Indicators should be provided on both sides of the OT so that door open / close status can be monitored from both sides.
9.6	Hatch Box material should be SS304 grade.
9.7	Size of the Hatch box minimum: 600mm x 600mm.
10	OPERATING LIST BOARD
10.1	One operating list board should be provided in each operating theater.
10.2	It should be made of ceramic having magnetic properties and should be flushed to the wall of the operating room.
11	X RAY FILM VIEWER
11.1	LED type flat panel X-ray viewing panel should be supplied.
11.2	This should comply with relevant electrical safely codes.
11.3	Mounting should be flush with the wall to avoid dust accumulation and growth or organisms between wall and panel.
11.4	Body should be of extruded aluminum powder coated black with bacteria resistant and disinfectant resistant finish.
11.5	The diffuser on the front panel should be a uniformly lit screen.
11.6	Dimming electronic control should be enclosed at the bottom of the cabinet.

11.7	Proper spring loaded film clip with rollers should be provided to hold the films firmly and to remove the film without scratches.
11.8	This should be of dual panel viewing screen (14"x17" each).
12	SCRUB STATION (min size 1500mm)
12.1	Compact surgical scrub sink should be designed for use in OT complex providing for pre procedural scrub up.(Double sink combination as suitable)
12.2	Each fixture should be fabricated from heavy gauge type 304 stainless steel (minimum thickness 1.5mm) and should be seamless welded construction, polished to a satin finish
12.3	The scrub sink should be provided with a front access panel which should be easily removed for access to the water controlled valve, waste connections, stoppers and strainers.
12.4	Hands free operation should include infra red sensors with programmable adjustment.
12.5	Thermostatic mixing, valve control should be located behind the access panel and maintain constant water temperature.
12.6	Timing should be adjustable to meet individual application requirements.
12.7	Provided with infrared sensors, thermostatic control taps with fail safe temperature controls.
12.8	All units should have reduced anti- splash fronts.
12.9	Knee/foot operated switch should be provided additionally.
13	STORAGE UNIT
13.1	The storage unit should be made with 1 mm thick stainless steel panels.
13.2	The shelves should be of SS 304 & removable for cleaning.
13.3	The storage unit should be divided 2 or more parts and each part should have individual glass doors with high quality locking system
13.4	The overall size should be approx. 200 cm X 120 cm X 40 cm
14	PENDANTS FOR ANESTHETIST AND SURGEON
14.1	Double arm moveable Pendant for Anesthetist
a	The Pendants should comply with NFPA 99C/HTM 02-01/DIN. The support arms should be extremely robust and revolve on high quality bearings, so that the pendant head glides smoothly and quickly to any desired position
b	Double moveable arms (any combination) with total coverage of min 1800mm and 330 deg. Horizontal movements for each arm. Vertical movement should be motorized and the arm height should remain to a height greater than 6.5 feet above floor level
c	Weight carrying capacity of the arm should not be less than 180 Kg. should have electromagnetic/pneumatic brakes .
d	Each arm should be capable of 300-340 degrees of rotation, which can be easily adjusted to suit the desired mode of operation.
e	The pendant should be European CE Certified with 4digit notified body number or US FDA approved.
f	The Pendant Service Heads should be modular with minimum 800mm head. The heads should be capable of accepting a range of shelves, infusion poles, electrical switch/sokets, gas outlets other accessories as asked in tender. The Pendant Heads should support the range of Physiological Monitor Mounting Solutions.
g	The Pendant Service Heads should be supplied with medical gas terminal units and 5/15 or 6/16 Amps hybrid Sockets with switches .
h	Double arm pendant anesthesiologist and surgeon : Each pendant should be supplied with outlets and probes as mentioned below –
	Oxygen Outlets – 2 nos.,
	Vacuum Outlets – 2 nos.,
	Nitrous oxide – 1 nos.,
	Air(4 bar) Outlets - 2 nos.,
	AGSS outlet - 1 no
	Electrical sockets - 10 nos.
	Adjustable Shelf with two rails one on each side – 3 no.
	IV Fluid Pole with 4 hooks – 1No.
	Data socket RJ-45 -2 nos.
i	Pendant supplier should provide cutouts for Patch Panels in Integrated OTs. (applicable only for integrated OT)
14.2	Double arm moveable Pendant for Surgeon
a)	The Pendants should comply with NFPA 99C/HTM 02-01. The support arms should be extremely robust and revolve on high quality bearings, so that the pendant head glides smoothly and quickly to any desired position

b)	Double moveable arms (any combination) with total coverage of min 1800mm and 330 deg. Horizontal movements for each arm. Vertical movement should be motorized and the arm height should remain to a height greater than 6.5 feet above floor level
c)	Weight carrying capacity of the arm should not be less than 180 Kg. should have electromagnetic/pneumatic brakes.
d)	Each arm should be capable of 300 - 340 degrees of rotation, which can be easily adjusted to suit the desired mode of operation.
e)	The pendant should be European CE Certified with 4digit notified body number or US FDA under Medical Devices Directive.
f)	The Pendant Service Heads should be modular with minimum 800mm head. The heads should be capable of accepting a range of shelves, infusion poles, electrical switch/sokets, gas outlets other accessories as asked in tender. The Pendant Heads should support the range of Physiological Monitor Mounting Solutions.
g)	The Pendant Service Heads should be supplied with medical gas terminal units and 5/15 or 6/16 Amps hybrid Sockets with switches.
h)	Each pendant should have – Each pendant should be supplied with outlets and probes as mentioned below –
	Vacuum Outlets – 2nos,
	Air(7bar) Outlet- 01nos,
	CO2 Outlet - 01 nos.,
	Electrical sockets - 10 nos.
	Adjustable Shelf with two rails one on each side – 3 no.
	Data socket RJ-45 -2 no.
	IV Fluid Pole with 2 hooks – 1No. (Pole should be capable of stacking 4 nos of syringe pumps)
i)	Pendant supplier should provide cutouts for Patch Panels in Integrated OTs (applicable only for integrated OT)
15	PERIPHERAL LIGHTING AND CLEAN ROOM LUMINARIES (LED TYPE)
15.1	To provide peripheral lighting and clean room luminaries with intensity min 500 Lux, it should be minimum 8 in numbers for each OT. Should be with highly specular anodized aluminum reflectors and optical antiglare system.
15.2	Luminaries cover should be made of highly resistant, disinfectant proof laminated safety glass/acrylic with stylish fine grained surface.
15.3	The reflectors should be of high quality, cleanable and non-deteriorating.
15.4	The white luminaries body should be made of sheet steel/ perfectly powder coated, supplied ready for connection optionally for individual or series circuit with digital electronic control gear in multilamp technology.
15.5	Recess frames should be gas tight. The fitting should be flush with the ceiling and should be removable from top or bottom. The light fitting should be uniformly and aesthetically distributed on the ceiling to provide uniform illumination in the OT. Light should not interfere when green mode endoscopy is performed
15.6	Peripheral lighting should be done according to IP65 (international protection rating 65) / IP 54 regulations. Certificate for this to be submitted along with bid.
15.7	Control equipment for the general lighting and the light dimming should be provided in the theatre control panel
15.8	The LED Bulbs should be from these make - Philips/ GE/ Crompton/ Wipro/ Syska.
16	ELECTRICAL INSTALLATIONS
16.1	Power distribution within the OT should be provided from distribution boards for each theatre to be supplied by MOT vendor. Sub mains power to these panels should be by the general electrical contractor. From these panels all distribution services within the departments should be run. Isolated power supply, insulation measuring and protection as per IEC standards should be provided. This unit should be EN/CE/UL/FDA/IEC certified.
16.2	Earthed equipment bonding of all exposed metalwork should be provided.
16.3	Power sockets within the Operating Theatres ancillary areas should be matched to the rest of the hospital.
16.4	Each wall of MOT should have minimum 02 Nos. 6/16A hybrid switch socket & 32A industrial socket at any two walls as per IEC standard.
16.5	Light fittings within the clinical areas should be recessed LED type with control gear
16.6	Fittings should be sealed In accordance with the standard IP54.
16.7	All equipment should be fully and permanently labeled to identify and describe the function, operation and voltage of the apparatus concerned. Throughout and upon completion of the electrical installation, tests in accordance with relevant sections of the local wiring regulations should be carried out and the results recorded.
16.8	All the conduits inside the OT should be of MS.
17	DISTRIBUTION BOARD
17.1	All high voltage equipment should be installed in a separate enclosure.

17.2	The remote cabinet should house the operating lamp transformers, mains failure relays, UPS, electrical distribution equipment & circuit protection equipment for all circuits within the operating theatre.
17.3	All internal wiring should terminate in connectors with screw & clamp spring.
17.4	Connections of the clip- on type mounted, on a CE approved rail & labeled with indelible proprietary labels.
17.5	Individual fuses or miniature circuit breakers should protect all internal circuits.
17.6	Complete schematic drawing with description should be enclosed with the equipment.
17.7	DB Should have minimum two 32A/16A(As per requirement) extra circuits with MCCB/MCB for future uses like integration equipment, etc.
18	Isolation Panel System (Optional)
18.1	Isolation Panel System of minimum 10KVA capacity should be provided for every operation theatre which ensures the safety of staff and patient. System should have isolators provided through leakage relays etc. (If required) according to IEC recommendation. This unit should be EN/CE/UL/BIS/FDA/IEC certified. These systems are to be commissioned by specialists.
18.2	Should be medical grade Insolation panel
18.3	Should have fault detection feature
18.4	Should be compliant to CEI 64-8 / IEC 60364-7-710/BS7671 Standard
18.5	Should be mountable on wall & compact
19	Online UPS(Optional)
19.1	Backup should be minimum 30min.
19.2	The room for the central UPS will be provided by the respective institute/hospital preferably at same OT floor and one point electric supply will be provided to the UPS Room by the respective institute/hospital.
19.3	Bidder should provide required electrical wiring from UPS to all modular MOT as per IEC/International standard.
19.4	Electrical control panel complete with MCCB, Switchgears etc should be provided.
19.5	Bidder shall offer UPS from make – APC/ TATA Liebert/ Delta /Hitachi/ Consul Neowatt / UNILINE/3EM
19.6	Per MOT UPS load should be provided minimum 10 KVA with one 10KVA backup for all OTs and redundancy(n+1) should switch automatically. The battery bank may be common for UPS
20	MEDICAL GAS LINE INSTALLATION
20.1	The bidder should ensure that all works carried out are to the recommendation made in the Department of Health and Social Securities HTM 02-01 /NFPA 99C / DIN
20.2	Bidder should provide Oxygen, Air, Vacuum, AGSS, and Nitrous Oxide supply to Operation Theatres from the existing lines terminated outside the OT .
20.3	Bidder shall be responsible for supply, installation, testing and commissioning of complete MGPS system inside the operation theatre including Distribution piping, Pendants, outlets and other essential accessories.
20.4	Terminal units should be gas specific and only accept the correct Medical gas probe. Gas specific components shall be pin indexed to ensure that a correct gas specific assembly is accepted.
20.5	Each terminal unit should be identified by the appropriate recognized name or symbol, colour, coding and shape as per HTM 02-01 /NFPA 99C. Outlets should be CE certified/UL listed.
20.6	Copper pipes should be of solid drawn, seamless, deoxidized, non-arsenical, half hard, tempered and degreased copper pipe. All copper pipes should be degreased & delivered capped at both ends. The pipes should be accompanied with manufacturers test certificate for the physical properties & chemical composition. The copper pipe should comply with EN 13348
20.7	Copper pipe must have reputed third party inspection certificate (Eg. Lloyd's, TUV, SGS).
20.8	Fittings should be made of copper and suitable for a working Pressure of up to 17bar and especially made for brazed socket type connections
20.9	The copper fitting should comply with EN 1254-1
20.10	The Brazing filler material should comply with EN 1044
21	Site Modification -
21.1	Any minor demolition , reconstruction, water proofing, necessary plumbing, anti-microbial painting, replacement of any door or windows to provide structured design within the OT area for modular OT should be carried out by the bidder for successful installation and commissioning of MOT.Modification of work includes PRD cutout, Hatch Box cutout, modification to Door cutout as per Door size etc. Bidder are advised to visit the site before quoting.
22	OT LIGHT WITH CAMERA
22.1	OT Light – LED
	Operating Room Surgical Lighting System should provide an ideal combination of brightness, maneuverability, and shadow resolution without sacrificing color accuracy through a consistent LED technology.

	Such Lighting System should have the following technical specifications:
a	Number of Light heads : Two per suspension
b	Color Temperature range: 3800k-5000 ($\pm 10\%$)- Variable color temperature.
c	Field Size Diameter : 20 to 28cm (+/- 10%)
d	Working Range : 750 to 1100mm (+/- 10%)
e	Illumination Level : 160000Lux (Major Dome & Minor dome)
f	Controls : Control Panel (wall and on dome)
g	Rotation : 360-330degrees
h	Sterilizable Handle : 02Nos.
i	Mounting Type : Ceiling
j	Supply Voltage : 230 VAC 50 Hz
k	Bulb Type : LED
l	Dimming Range : 50% - 100%
m	Operating/Storage Humidity : 10 – 95%
n	Life of Light Source : >40,000 Hrs
o	Should be provision to mount the camera in one dome.
p	Surgical Light System Should be European CE with 4digit notified body/US FDA certified or Declaration of Conformity for quoted model with ISO 13485 issued by 4digit notified body.
22.2	HD Camera System – 1080p/i.
	Description: Integrated In-Light Camera System should be integrated at the centre of one of the domes of this lighting system/ third arm in order to capture images & video sequences of the open cases.
	Such a autofocus – Locable camera should have the following specifications -
a	Signal to Noise Ratio (S/N Ratio) : >50 dB
b	CCD/CMOS : 1/3" or 1/2.8"
c	Optical Zoom : 10X
d	Digital Zoom : 12-15X
e	Video Output : HD, DVI, S-Video & Composite Video
f	White Balance & Gain : Automatic/Manual
g	Light and Integrated Camera should have a control through Touch Panel of the control equipment placed inside the operating room.
22.3	HD LED FLAT PANEL MONITOR (Only for non integrated OT's)
a	Should be 30-32" High Definition Progressive Scan Flat-panel Monitors with ceiling mounted spring arm suspension to support high definition/HDTV progressive Scan images and should be able to support and display DVI/HDTV, RGBHV, S-Video, Composite video signals. Aspect ratio 16:9/16:10. Resolution – 1920X1080 or better.
b	The flat Panel suspension should be ready with the cables for integration of High Definition Digital (DVI/HDTV), RGBHV (High Resolution), SVHS (S-Video), Composite video signals to travel from the various sources of video like endoscopic camera, room camera, in light camera, high definition flat panel monitors, while assuring native resolution / signal.
c	Monitor should capable of displaying from other sources like endoscope, microscope, etc. necessary provision should be provided as standard.
22.4	Recording system to be offered separately (Only for non integrated OT's)
a	Recording system to be offered separately. Recording system should be full HD medical grade monitor LCD 19" touch screen and having the one TB storage space.
b	Data cable for communication from both pendants and monitors should be laid down up-to outside of OT in a patch port for future expansion for all OT's where there is no integration
c	Patch Panel for power & signal to be laid down for 32" LCD Monitor at wall of MOT
d	Recorder should be capable of recording video from other sources like - microscopes, endoscopes. Etc., suitable provision should be provided as standard.
e	Should be flushed mounted on the OT wall with suitable frame.
23	Extra Works (Price Should be Quoted Separately)
a	Construction of 9" brick wall (500 Sq.ft) with Plaster on both sides with paint matching the surrounding premises. Payment shall be made at actuals.
b	Demolition of brick wall 200 Cu.ft. Payment shall be made at actuals.
c	IPS flooring for MOT unit rate (Per Sq.mtr.) with min.75mm thickness (Optional-Price to be quoted seperately).

d	Should quote unit rate (Per mtr.) for suitable wiring (including tray / pipes / casing as per requirement) from UPS to Control Panel
e	Should quote unit rate (per mtr.) from control panel to MOT. For ranking purpose 50 mtr. wiring will be considered for UPS to Control and 100 mtr. for wiring from control panel to MOT.
Compliance to the BOQ (As per tender specifications)	

SN	Modular OT (SS Based) Specification- CHHINDWARA, KHANDWA, RATLAM, SHIVPURI and VIDISHA
RESPONSIBILITY OF BIDDER	
a	Bidder shall be responsible for complete design, construction, testing and commissioning of modular operation theatres based on seamless integration with modular concept.
b	Bidder shall execute all required modification in civil, electrical and peripheral lighting, plumbing, air-conditioning system (Ducting inside the OT), demolition and other works as may be required for complete installation and trouble-free functioning of the operation theatres as a part of the 'Site Modification' like PRD cutout, Hatch Box cutout, modification to Door cutout as per Door size etc.
c	Necessary coordination with fire-safety vendor for the installation of fire-safety sensor/instrument inside the MOT to be done by the MOT bidder.
d	The bidder shall be responsible for the complete works including the submission of Working Drawings, layout drawings and walk through view on the basis of provided Auto CAD or PDF or Hard Copies of Drawings from respective institute.
e	Bidder shall be responsible for installation and commissioning of other medical equipment (like Integration Equipment, Monitors, Etc) in coordination with hospital authorities.
f	The bidder should provide UPS power supply to all OTs (If UPS is in the scope of MOT bidder)
g	Bidder shall be responsible for free maintenance of modular operation theatres during warranty period inclusive of all consumables.
h	Bidder shall be responsible for commissioning of all equipment coming within the MOT as per technical specification of the tender.
i	MOT Bidder should coordinate with MGPS and other bidders for the successful completion of MOT.
j	Bidder shall be responsible for maintaining suitable air conditioning inside the operation theatre (Ducting inside the OT). Setting and monitoring of temperature and RH should be in the scope of the MOT vendor. (Necessary coordination with HVAC vendor to be done by the MOT bidder)
k	Bidder should provide factory test certificates for the material user for the construction of modular theatres.
l	Bidder should supply complete set of part manuals, service manuals for all the systems and subsystems to be supplied.
m	Consignee/ User have to be trained for a week by the engineers from Original Equipment Manufacturer (OEM).
n	Final electrical safety test, system test, and calibration should be done as per international standard by authorized persons using calibrated test equipment and declaration should be submitted by the vendor.
o	OEM or his authorized agent should post a trained engineer who should be available at site or should reach the site within 24 hrs of raising a service call.
p	Regarding Outlets of the Anesthesia & surgeon Pendants, bidders have to supply same type of outlets as installed in the same building/block. Before shipment of the Pendants, bidders should take necessary action for selecting the same standard outlets and outlets should be European CE approved or UL listed
q	Bidder must have a satisfactory installation of complete MOT as asked in tender and demo may be taken for the same.
r	Bidder has to clarify their doubts or prerequisites during prebid meeting. No extra prerequisites or clarifications after placement of order will be addressed.
s	Bidder has to submit their drawing within 10 days after placement of order in consultation with HITES and after site visit.
Responsibility of the Consignee:	
1	The institute will provide MOT shell structure (complete with brick works, plastering, leveled floor)
2	Institute will provide UPS room preferably on same OT floor or If it is elsewhere the necessary power cables from UPS room to each OT (load capacity of approx 12-15kVA) to be provided by the institute if UPS is in scope of MOT vendor.
3	Institute will provide hot and cold water supply with drain and 5/15 A switch sockets at each scrub location
4	Institute will provide temporary storage for storing of raw materials of MOT system during installation period and the security of the store is the responsibility of MOT vendor

5	Institute will provide working electrical power supply for installation to MOT vendor on chargeable basis or MOT vendor will arrange their own working power.
6	Institute will provide LAN cable, telephone line, copper strip earthing for each OTs
7	Institute will provide dedicated AHU & air conditioning with HVAC supply and return aluminium air duct and suitable prefilter upto outside of each OTs
8	Institute will provide single point electrical connection at outside wall of each OT/at the UPS room (If UPS supply is at the MOT vendor scope). All other cabling has to be done by the bidder.
9	Institute will be responsible for complete finishing of areas outside the MOT like corridors, scrub area, preparation room, store room etc except inside MOT area and floor level of corridor connecting to the OT should be 4-5mm higher than MOT floor level
	SCOPE OF WORK
	The "Site Modification" work includes all modifications to the built up space provided at the hospital site including Installation of Medical Equipment, Communication Systems, civil modifications, electrical works, plumbing works, interior decoration, air conditioning ducting and other related works of the Operation Theatre required for the smooth and efficient functioning of the centre. These works shall comply with all relevant safety and standards guidelines. The vendor is fully responsible for installation and commissioning of all equipment mentioned in the tender. Bidders are strongly advised to visit the site for assessment before the submission of tender offer.
	Turn Key Job to be provided by the Bidder for following –
1	Wall Paneling System
2	Ceiling Paneling System
3	Laminar Air Flow System
4	Internal HVAC Ducting & Exhaust System
5	PVC Flooring
6	Hermetically Sealed Doors
7	Touch Screen Control Panel
8	Pressure Relief Dampers
9	Hatch Box
10	Operating List Board
11	X-ray Film Viewer
12	Scrub Station
13	Storage Unit
14	OT Pendants (Anesthetist & Surgeon)
15	Peripheral lighting & Clean room luminaries
16	Electrical Installation
17	Distribution Box
18	Isolation Panel System (IPS)
19	Online UPS
20	Medical Gas Lines Installations
21	Site Modifications
22	OT Light with camera, Monitor & Recorder
1	WALL PANELING SYSTEM
1.1	The prefabricated Operating Room should be Cladding structure insulated Stainless steel wall panels. Total Panel thickness 50-60mm.
1.2	It should be 0.8mm 304 Grade Stainless Steel sandwich panel with core consisting of rigid polyurethane foam, which has been injected under high pressure, with a minimum density of 40 kg/m ³ .
1.3	The individual wall panels shall use the tongue and groove technology for joining two panels, no welding should be allowed.
1.4	The gaps between panels shall be suitably filled with metal filler/epoxy and sanded flush.
1.5	Stainless Steel plate finished to fine grain surface, treated properly to take antifungal paint.
1.6	Paneling should be easy to maintain, durable, antistatic/conductive and fire retardant.
1.7	Space between inner panel and outer wall should be flushed continuously to eliminate dust and bacterial accumulation.
1.8	Anti bacterial paint should be coated on the wall.
1.9	Bidder should maintain anti-bacterial paint during warranty and CMC period.
1.10	Wall elements should be resistant to all standard cleaning agents, disinfectants and fumigation agents.

1.11	Panel should be covered with protective sheath to prevent scratch during installation.
1.12	It should have minimum number of junction. The junction should be seamless and should be sealed with suitable sealants. Rails at the floor for fixing the wall panels should be made os SS 304/Aluminium.
1.13	The wall panels should be CE/UL Listed/BIS/DIN 1.4301 certified
1.14	Third party test certificate for SS304 from material testing lab (Govt. Authorized) - to be provided at the time of pre dispatch inspection/supply.
2	CEILING PANELING SYSTEM
2.1	The prefabricated ceiling plates /cassettes should be made up of SS 304 panels with sheet thickness of at least 0.8 mm sandwich panel of PUF with minimum density 40kg/m ³ with matt finish and should be coated with antibacterial paint. It should be from the same manufacturer of wall panel. Total thickness should be 30-40mm.
2.2	Support elements: Suspension bracket with tension spring.
2.3	Material: High quality galvanized or powder coated steel.
2.4	Room lighting, air supply inlet, ceiling service units, return air outlets, etc should be integrated with SS metal ceiling system.
2.5	The individual panels except those at the edges should be removable individually.
2.6	The ceiling material should be CE/ UL/BIS /DIN 1.4301 certified
2.7	Anti bacterial paint should be coated on the ceiling.
2.8	Third party test certificate for SS 304 from material testing lab. (Govt. authorized) - to be provided at the time of pre dispatch inspection/supply.
3	LAMINAR AIR FLOW SYSTEM
3.1	The ceiling filtration system should be designed to ensure unidirectional distribution of sterile air of the surgical theatre to ensure the cleanliness of all the area covered by the air flow.
3.2	The Laminar flow system should comprise of thick extruded aluminum profiles frame and sealed gasket. The filters installed in the plenum should be suitable for application for laminar flow and clean rooms. These filters should meet following specification.
	Separators : continuous thermo plastic chord
	Sealant : Polyurethane
	Gasket : One piece polyurethane
	MPPS average efficiency: > 99.95%
	3 Micron DOP efficiency > 99.99%
	Final Pressure drop : 600 pa(max)
	Maximum Operating Temp : 60 degree Celsius
	Maximum RH : 40-50 %
3.3	The ceiling system should be equipped with "H 14" class HEPA filters position in the ceiling to achieve 0.25m/sec flow at the diffuser.
3.4	Filtration Ceiling System holding structure, Filter frames and top plenum should be made of Aluminium/Stainless Steel.
3.5	The filtration ceiling system should have diffuser/flow equalizer to achieve uniform & constant air distribution over the whole surface. It should be CE/UL certified
3.6	The air management system should be designed to achieve class 100 with the following parameters:
	Bacteriological class =B (5 CFU/m ³)
	Particle decontamination kinetics CP =5 min
	ISO 14644/1 classification = ISO 5
	Third party validation by Govt. approved environment lab(After Installation)
3.7	The positive pressure should be maintained inside the OT to prevent contamination due to air from outside the OT.
3.8	The supplier should provide test certificate for HEPA filter and laminar air flow systems from the original manufactures.
3.9	Size of laminar airflow system minimum 8 feet X 8 feet or more.
3.10	Should be CE certified.
3.11	Note: Prospective bidders are advised to collect the information regarding CFM and AHU capacity from the respective institute site. Total flow rate of filter bank shall match the CFM of AHU.
4	Internal HVAC Ducting & Exhaust System
4.1	All the ducting inside the MOT shall be scope of the MOT bidder.
4.2	All the ducting should be as per industry standard and sheet should be Aluminum of appropriate thickness and

	insulated as per industry standard.
4.3	All necessary HVAC interconnection for supply and return air shall be the scope of bidder (the institute will provide the duct upto outside of each MOT)
4.4	Return air exhaust grill should be provided in the OT.
4.5	The exhaust air cabinets should be openable and cleanable.
4.6	These cabinets should have suction from bottom and top also.
4.7	Designed flow rate should not be less than 1000 m ³ /hr. Distribution of exhaust air volume should be divided between fluff strainers to maintain the required pressure within the theatre without causing turbulence.
4.8	The Exhaust air cabinet should be manufactured and supplied by the supplier of wall and ceiling system supplies.
4.9	Return air exhaust cabinet should be made from SS304 and should be from the same manufacturer of wall panel. Also it should match perfectly with the ceiling system aesthetically
5	PVC FLOORING WITH SELF LEVELING
5.1	It should be with 2mm antistatic seamless PVC flooring
5.2	Floor should be smooth, non-slip, impervious material conductive enough to dissipate static electricity but not conductive enough to endanger personnel from electric shock.
5.3	Electrostatic charge dissipation combat PVC seamless flooring of very high quality should be provided.
5.4	Thickness not less than 2 mm. Continuous roll should be used and joints should be welded by special PVC thermal welding units using PVC welding bars of same colour
5.5	The sheets should be highly durable with resistance to shock and indentation. It should be scratchproof also. The conductive material should be uniformly impregnated as grains.
5.6	It should be inert to body fluids, chemicals and disinfectants. Should not be affected by temperature variation within the OT.
5.7	The floor should efficiently discharge electric charges up to 2 kV
5.8	Flooring should be done by skilled workers of accredited agencies authorized by the supplier of PVC sheets. The electrical resistance (point to ground) should be within 2.5x10⁴ to 5x10⁶ ohms . The floor should not allow build up of electrical charge beyond 100 volts due to antistatic effect. The corners should not be terminated sharply and concealed cove- former (aluminium) should be used to overlap the wall panel to a height of approx.25mm and sealed perfectly and uniformly. Self leveling compounds should be used.
5.9	The conductive copper grid laid underneath the PVC sheet should be supported by liquid epoxy compounds allowed to set as a uniform and level surface. The copper strips to be made visible by grinding and no copper strip should project more than 0.5mm above level surface to avoid damage to the PVC sheet. One earthing lead should be brought out from every 150sq.ft area and attaching it to the main earthing strip/ground.
5.10	Copper grounding strips (0.05 mm thick, 50 mm width) should be laid flat on the floor in the conductive adhesive and connected to copper strip of grounding. The connection from copper grid should be brought out uniformly at places to form equipotential grid.
5.11	Flooring should be mechanically shock proof, scratch proof, flame retardant and anti microbial
5.12	Corners should be uniformly curved
5.13	Final surface should be non corrosive to biological fluids and detergents.
5.14	Colour should be uniform pleasant and matching with ambience and as approved by respective consignee.
5.15	Suitable self-leveling should be done before PVC flooring to avoid undulation within the MOT.
6	HERMETICALLY SEALED DOORS -
6.1	Door sizes should be as per below option and quantities will be as per BOQ of respective institute
a	HERMETICALLY SEALED DOORS Size 2.1mx1.8m
b	HERMETICALLY SEALED DOORS Size 2.1mx1.0m
c	HERMETICALLY SEALED DOORS Size 2.1mx1.8m with Lead Line(As per AERB Norms) (Optional)
d	HERMETICALLY SEALED DOORS Size 2.1mx1.0 m with Lead Line(As per AERB Norms) (Optional)
6.2	This should be a hermetically sealed, single sliding door of 2.1 (H)X 1.8 m(W)
6.3	The controller should be capable of being operated by elbow switches/foot switches as well as touch less sensor.
6.4	The track should be of stainless steel/Aluminum and the running surface for the top rollers should be suitably angled to reduce resistance to movement
6.5	The door leaf should be hung by means of hard plastic rollers of high quality with double bearing at the top. Rollers should be provided under the stainless steel/Aluminium track to enable smooth and noiseless movement.
6.6	Opening and closing of the door should be microprocessor controlled electromechanical movement.
6.7	The door material should be of HPL Color should match the interior and care should be taken to make the leaf strong and light weight.

6.8	One should be able to open and close the door effortlessly incase of failure of automatic mechanism.
6.9	Door opening handle should be strong and sturdy. Material should be of SS (gloss finish). Should be provided with high quality cylindrical lock.
6.10	Door leaf should have high quality synthetic rubber gasket with long life to ensure hermetic sealing (to maintain air pressure differential). Air tightness 99.99% at a pressure of 100Pa.
6.11	The finished floor on either side of the door should be perfectly level (maximum permissible difference +1mm).
6.12	The overall thickness of the finished door should be 40-60mm . The inner part of the door should be filled with CFC free polyurethane foam thickness of 48mm or nearby. (Sealed airtight to prevent further ingress of any microbial organism).
6.13	The door and controls should comply with IEE regulation. All motors used should be DC brushless motors with essential isolation from mains.
6.14	Door should be with vision window 300 mm x 300 mm with double glazed panels and hermetically sealed.
6.15	Door movement should have minimum noise.
6.16	The starting time after receiving the signal should be adjustable between 0.5 to 20 seconds.
6.17	The door controller should be CE marked.
6.18	Test certificate for hermetically sealed door frame (factory test certificate) should be enclosed with the pre dispatch documents.
6A	Window with Motorized Blinds for MOT -1Nos (Optional) size approx. 1.5m x 1m
7	TOUCH SCREEN CONTROL PANEL 20" or more
7.1	The control panel should be touch screen panel. This control panel should work as the central control panel for the HVAC controls, instruction board. Touch screen, OT light control. The controller should be capable of adjusting the temp adjustment of +/- 5 Deg with in 5Minutes. It should be CE or UL Listed.
7.2	The touch screen should be wall mounted, stationed in the visibility line of the surgeon and OT staff. The access height should be convenient for the nurse to operate and help/assistant when in need.
7.3	The panel should accommodate digital clock and the elapsed time indicator.
7.4	The medical gas alarm should indicate high and low gas pressures for each gas service present in the OT including vacuum. This should be supported by audible alarm also. The panel should have an alarm mute (fault annunciation) facility. The sensors (pressure switches) should be at the nearest isolation valve.
7.5	Control for general lighting: ON/OFF and dimming controls organized in groups to provide uniform illumination.
7.6	Control of the operating light (major and satellite and camera control (on/off and intensity control) should be provided.
7.7	Hand free telephone set with memory should be located at one side.
7.8	Temperature and humidity control for the room connected to the AHU. (Adjustable from the panel) The controller should be capable of adjusting the temp adjustment of +/- 5 Deg with in 5Minutes wherever separate AHU is provided for each OT.
7.9	Digital room pressure indicator in cm of H ₂ O or equivalent (signal from pressure sensor shall be provided to indicate pressure differential between OT and outside)
7.10	HEPA filter bank differential pressure indicator.
7.11	The control Panel should be able to integrated with HIS/BMS
8	PRESSURE RELIEF DAMPERS
8.1	Pressure relief dampers or over flow ports should be provided in each room to prevent contamination of air from clean and dirty areas.
8.2	Suitably sized air pressure relief damper should be strategically placed, enabling differential room pressure to be maintained and ensure that when doors are opened between clean and dirty areas.
8.3	Counter- weight balancing system should be provided in the PRD to maintain positive pressure inside the operation room.
8.4	Air pressure stabilizers should have unique capability of controlling differential pressure to close tolerance. The PRD should remain closed at pressure below the set pressure and should open fully at a pressure only fractionally above the threshold pressure.
8.5	The frame, body and blade should be of grade SS304 stainless steel.
9	HATCH BOX
9.1	It should be provided in each operation theater to remove waste materials from the operation theater to dirty linen area/corridor just adjacent to Operation Theater.
9.2	Each hatch box should be equipped with two doors and the door should be operated electrically/motorised.
9.3	The hatch should be designed in such a way that only one door should be opened at one time.

9.4	The UV light should be so installed that it is kept on while both the doors are closed. This UV light has to be automatically turned off in case of opening of either of the doors.
9.5	Indicators should be provided on both sides of the OT so that door open / close status can be monitored from both sides.
9.6	Hatch Box material should be SS304 grade.
9.7	Size of the Hatch box minimum: 600mm x 600mm.
10	OPERATING LIST BOARD
10.1	One operating list board should be provided in each operating theater.
10.2	It should be made of ceramic having magnetic properties and should be flushed to the wall of the operating room.
11	X RAY FILM VIEWER
11.1	LED type flat panel X-ray viewing panel should be supplied.
11.2	This should comply with relevant electrical safety codes.
11.3	Mounting should be flush with the wall to avoid dust accumulation and growth of organisms between wall and panel.
11.4	Body should be of extruded aluminum powder coated black with bacteria resistant and disinfectant resistant finish.
11.5	The diffuser on the front panel should be a uniformly lit screen.
11.6	Dimming electronic control should be enclosed at the bottom of the cabinet.
11.7	Proper spring loaded film clip with rollers should be provided to hold the films firmly and to remove the film without scratches.
11.8	This should be of dual panel viewing screen (14"x17" each).
12	SCRUB STATION (min size 1500mm)
12.1	Compact surgical scrub sink should be designed for use in OT complex providing for pre procedural scrub up.(Double sink combination as suitable)
12.2	Each fixture should be fabricated from heavy gauge type 304 stainless steel (minimum thickness 1.5mm) and should be seamless welded construction, polished to a satin finish
12.3	The scrub sink should be provided with a front access panel which should be easily removed for access to the water controlled valve, waste connections, stoppers and strainers.
12.4	Hands free operation should include infra red sensors with programmable adjustment.
12.5	Thermostatic mixing, valve control should be located behind the access panel and maintain constant water temperature.
12.6	Timing should be adjustable to meet individual application requirements.
12.7	Provided with infrared sensors, thermostatic control taps with fail safe temperature controls.
12.8	All units should have reduced anti- splash fronts.
12.9	Knee/foot operated switch should be provided additionally.
13	STORAGE UNIT
13.1	The storage unit should be made with 1 mm thick stainless steel panels.
13.2	The shelves should be of SS 304 & removable for cleaning.
13.3	The storage unit should be divided 2 or more parts and each part should have individual glass doors with high quality locking system
13.4	The overall size should be approx. 200 cm X 120 cm X 40 cm
14	PENDANTS FOR ANESTHETIST AND SURGEON
14.1	Double arm moveable Pendant for Anesthetist
a	The Pendants should comply with NFPA 99C/HTM 02-01/DIN. The support arms should be extremely robust and revolve on high quality bearings, so that the pendant head glides smoothly and quickly to any desired position
b	Double moveable arms (any combination) with total coverage of min 1800mm and 330 deg. Horizontal movements for each arm. Vertical movement should be motorized and the arm height should remain to a height greater than 6.5 feet above floor level
c	Weight carrying capacity of the arm should not be less than 180 Kg. should have electromagnetic/pneumatic brakes .
d	Each arm should be capable of 300-340 degrees of rotation, which can be easily adjusted to suit the desired mode of operation.
e	The pendant should be European CE Certified with 4digit notified body number or US FDA approved.
f	The Pendant Service Heads should be modular with minimum 800mm head. The heads should be capable of accepting a range of shelves, infusion poles, electrical switch/sokets, gas outlets other accessories as asked in

	tender. The Pendant Heads should support the range of Physiological Monitor Mounting Solutions.
g	The Pendant Service Heads should be supplied with medical gas terminal units and 5/15 or 6/16 Amps hybrid Sockets with switches.
h	Double arm pendant anesthesiologist and surgeon : Each pendant should be supplied with outlets and probes as mentioned below –
	Oxygen Outlets – 2 nos.,
	Vacuum Outlets – 2 nos.,
	Nitrous oxide – 1 nos.,
	Air(4 bar) Outlets - 2 nos.,
	AGSS outlet - 1 no
	Electrical sockets - 10 nos.
	Adjustable Shelf with two rails one on each side – 3 no.
	IV Fluid Pole with 4 hooks – 1No.
	Data socket RJ-45 -2 nos.
i	Pendant supplier should provide cutouts for Patch Panels in Integrated OTs. (applicable only for integrated OT)
14.2	Double arm moveable Pendant for Surgeon
a)	The Pendants should comply with NFPA 99C/HTM 02-01. The support arms should be extremely robust and revolve on high quality bearings, so that the pendant head glides smoothly and quickly to any desired position
b)	Double moveable arms (any combination) with total coverage of min 1800mm and 330 deg. Horizontal movements for each arm. Vertical movement should be motorized and the arm height should remain to a height greater than 6.5 feet above floor level
c)	Weight carrying capacity of the arm should not be less than 180 Kg. should have electromagnetic/pneumatic brakes.
d)	Each arm should be capable of 300 - 340 degrees of rotation, which can be easily adjusted to suit the desired mode of operation.
e)	The pendant should be European CE Certified with 4digit notified body number or US FDA under Medical Devices Directive.
f)	The Pendant Service Heads should be modular with minimum 800mm head. The heads should be capable of accepting a range of shelves, infusion poles, electrical switch/sokets, gas outlets other accessories as asked in tender. The Pendant Heads should support the range of Physiological Monitor Mounting Solutions.
g)	The Pendant Service Heads should be supplied with medical gas terminal units and 5/15 or 6/16 Amps hybrid Sockets with switches.
h)	Each pendant should have – Each pendant should be supplied with outlets and probes as mentioned below –
	Vacuum Outlets – 2nos,
	Air(7bar) Outlet- 01nos,
	CO2 Outlet - 01 nos.,
	Electrical sockets - 10 nos.
	Adjustable Shelf with two rails one on each side – 3 no.
	Data socket RJ-45 -2 no.
	IV Fluid Pole with 2 hooks – 1No. (Pole should be capable of stacking 4 nos of syringe pumps)
i)	Pendant supplier should provide cutouts for Patch Panels in Integrated OTs (applicable only for integrated OT)
15	PERIPHERAL LIGHTING AND CLEAN ROOM LUMINARIES (LED TYPE)
15.1	To provide peripheral lighting and clean room luminaries with intensity min 500 Lux, it should be minimum 8 in numbers for each OT. Should be with highly specular anodized aluminum reflectors and optical antiglare system.
15.2	Luminaries cover should be made of highly resistant, disinfectant proof laminated safety glass/acrylic with stylish fine grained surface.
15.3	The reflectors should be of high quality, cleanable and non-deteriorating.
15.4	The white luminaries body should be made of sheet steel/ perfectly powder coated, supplied ready for connection optionally for individual or series circuit with digital electronic control gear in multilamp technology.
15.5	Recess frames should be gas tight. The fitting should be flush with the ceiling and should be removable from top or bottom. The light fitting should be uniformly and aesthetically distributed on the ceiling to provide uniform illumination in the OT. Light should not interfere when green mode endoscopy is performed
15.6	Peripheral lighting should be done according to IP65 (international protection rating 65) / IP 54 regulations. Certificate for this to be submitted along with bid.
15.7	Control equipment for the general lighting and the light dimming should be provided in the theatre control panel

16	ELECTRICAL INSTALLATIONS
16.1	Power distribution within the OT should be provided from distribution boards for each theatre to be supplied by MOT vendor. Sub mains power to these panels should be by the general electrical contractor. From these panels all distribution services within the departments should be run. Isolated power supply, insulation measuring and protection as per IEC standards should be provided. This unit should be EN/CE/UL/FDA/IEC certified.
16.2	Earthed equipment bonding of all exposed metalwork should be provided.
16.3	Power sockets within the Operating Theatres ancillary areas should be matched to the rest of the hospital.
16.4	Each wall of MOT should have minimum 02 Nos. 6/16A hybrid switch socket & 32A industrial socket at any two walls as per IEC standard.
16.5	Light fittings within the clinical areas should be recessed LED type with control gear
16.6	Fittings should be sealed In accordance with the standard IP54.
16.7	All equipment should be fully and permanently labeled to identify and describe the function, operation and voltage of the apparatus concerned. Throughout and upon completion of the electrical installation, tests in accordance with relevant sections of the local wiring regulations should be carried out and the results recorded.
16.8	All the conduits inside the OT should be of MS.
17	DISTRIBUTION BOARD
17.1	All high voltage equipment should be installed in a separate enclosure.
17.2	The remote cabinet should house the operating lamp transformers, mains failure relays, UPS, electrical distribution equipment & circuit protection equipment for all circuits within the operating theatre.
17.3	All internal wiring should terminate in connectors with screw & clamp spring.
17.4	Connections of the clip- on type mounted, on a CE approved rail & labeled with indelible proprietary labels.
17.5	Individual fuses or miniature circuit breakers should protect all internal circuits.
17.6	Complete schematic drawing with description should be enclosed with the equipment.
17.7	DB Should have minimum two 32A/16A(As per requirement) extra circuits with MCCB/MCB for future uses like integration equipment, etc.
18	Isolation Panel System (Optional)
18.1	Isolation Panel System of minimum 10KVA capacity should be provided for every operation theatre which ensures the safety of staff and patient. System should have isolators provided through leakage relays etc. (If required) according to IEC recommendation. This unit should be EN/CE/UL/BIS/FDA/IEC certified. These systems are to be commissioned by specialists.
18.2	Should be medical grade Insolation panel
18.3	Should have fault detection feature
18.4	Should be compliant to CEI 64-8 / IEC 60364-7-710/BS7671 Standard
18.5	Should be mountable on wall & compact
19	Online UPS(Optional)
19.1	Backup should be minimum 30min.
19.2	The room for the central UPS will be provided by the respective institute/hospital preferably at same OT floor and one point electric supply will be provided to the UPS Room by the respective institute/hospital.
19.3	Bidder should provide required electrical wiring from UPS to all modular MOT as per IEC/International standard.
19.4	Electrical control panel complete with MCCB, Switchgears etc should be provided.
19.5	Bidder shall offer UPS from make – APC/ TATA Liebert/ Delta /Hitachi/ Consul Neowatt / UNILINE/3EM
19.6	Per MOT UPS load should be provided minimum 10 KVA with one 10KVA backup for all OTs and redundancy(n+1) should switch automatically. The battery bank may be common for UPS
20	MEDICAL GAS LINE INSTALLATION
20.1	The bidder should ensure that all works carried out are to the recommendation made in the Department of Health and Social Securities HTM 02-01 /NFPA 99C / DIN
20.2	Bidder should provide Oxygen, Air, Vacuum, AGSS, and Nitrous Oxide supply to Operation Theatres from the existing lines terminated outside the OT .
20.3	Bidder shall be responsible for supply, installation, testing and commissioning of complete MGPS system inside the operation theatre including Distribution piping, Pendants, outlets and other essential accessories.
20.4	Terminal units should be gas specific and only accept the correct Medical gas probe. Gas specific components shall be pin indexed to ensure that a correct gas specific assembly is accepted.
20.5	Each terminal unit should be identified by the appropriate recognized name or symbol, colour, coding and shape as per HTM 02-01 /NFPA 99C. Outlets should be CE certified/UL listed.
20.6	Copper pipes should be of solid drawn, seamless, deoxidized, non-arsenical, half hard, tempered and degreased

	copper pipe. All copper pipes should be degreased & delivered capped at both ends. The pipes should be accompanied with manufacturers test certificate for the physical properties & chemical composition. The copper pipe should comply with EN 13348
20.7	Copper pipe must have reputed third party inspection certificate (Eg. Lloyd's, TUV, SGS).
20.8	Fittings should be made of copper and suitable for a working Pressure of up to 17bar and especially made for brazed socket type connections
20.9	The copper fitting should comply with EN 1254-1
20.10	The Brazing filler material should comply with EN 1044
21	Site Modification -
21.1	Any minor demolition , reconstruction, water proofing, necessary plumbing, anti-microbial painting, replacement of any door or windows to provide structured design within the OT area for modular OT should be carried out by the bidder for successful installation and commissioning of MOT.Modification of work includes PRD cutout, Hatch Box cutout, modification to Door cutout as per Door size etc. Bidder are advised to visit the site before quoting.
22	OT LIGHT WITH CAMERA
22.1	OT Light – LED
	Operating Room Surgical Lighting System should provide an ideal combination of brightness, maneuverability, and shadow resolution without sacrificing color accuracy through a consistent LED technology.
	Such Lighting System should have the following technical specifications:
a	Number of Light heads : Two per suspension
b	Color Temperature range: 3800k-5000 ($\pm 10\%$)- Variable color temperature.
c	Field Size Diameter : 20 to 28cm (+/- 10%)
d	Working Range : 750 to 1100mm (+/- 10%)
e	Illumination Level : 160000Lux (Major Dome & Minor dome)
f	Controls : Control Panel (wall and on dome)
g	Rotation : 360-330degrees
h	Sterilizable Handle : 02Nos.
i	Mounting Type : Ceiling
j	Supply Voltage : 230 VAC 50 Hz
k	Bulb Type : LED
l	Dimming Range : 50% - 100%
m	Operating/Storage Humidity : 10 – 95%
n	Life of Light Source : >40,000 Hrs
o	Should be provision to mount the camera in one dome.
p	Surgical Light System Should be European CE with 4digit notified body/US FDA certified or Declaration of Conformity for quoted model with ISO 13485 issued by 4digit notified body.
22.2	HD Camera System – 1080p/i.
	Description: Integrated In-Light Camera System should be integrated at the centre of one of the domes of this lighting system/ third arm in order to capture images & video sequences of the open cases.
	Such a autofocus – Locable camera should have the following specifications -
a	Signal to Noise Ratio (S/N Ratio) : >50 dB
b	CCD/CMOS : 1/3" or 1/2.8"
c	Optical Zoom : 10X
d	Digital Zoom : 12-15X
e	Video Output : HD, DVI, S-Video & Composite Video
f	White Balance & Gain : Automatic/Manual
g	Light and Integrated Camera should have a control through Touch Panel of the control equipment placed inside the operating room.
22.3	HD LED FLAT PANEL MONITOR (Only for non integrated OT's)
a	Should be 30-32" High Definition Progressive Scan Flat-panel Monitors with ceiling mounted spring arm suspension to support high definition/HDTV progressive Scan images and should be able to support and display DVI/HDTV, RGBHV, S-Video, Composite video signals. Aspect ratio 16:9/16:10. Resolution – 1920X1080 or better.
b	The flat Panel suspension should be ready with the cables for integration of High Definition Digital (DVI/HDTV), RGBHV (High Resolution), SVHS (S-Video), Composite video signals to travel from the various sources of video like endoscopic camera, room camera, in light camera, high definition flat panel monitors, while assuring native resolution / signal.

c	Monitor should be capable of displaying from other sources like endoscope, microscope, etc. necessary provision should be provided as standard.
22.4	Recording system to be offered separately (Only for non integrated OT's)
a	Recording system to be offered separately. Recording system should be full HD medical grade monitor LCD 19" touch screen and having the one TB storage space.
b	Data cable for communication from both pendants and monitors should be laid down up-to outside of OT in a patch port for future expansion for all OT's where there is no integration
c	Patch Panel for power & signal to be laid down for 32" LCD Monitor at wall of MOT
d	Recorder should be capable of recording video from other sources like - microscopes, endoscopes. Etc., suitable provision should be provided as standard.
e	Should be flushed mounted on the OT wall with suitable frame.
23	Extra Works (Price Should be Quoted Separately)
a	Construction of 9" brick wall (500 Sq.ft) with Plaster on both sides with paint matching the surrounding premises. Payment shall be made at actuals.
b	Demolition of brick wall 200 Cu.ft. Payment shall be made at actuals.
c	IPS flooring for MOT unit rate (Per Sq.mtr.) with min.75mm thickness (Optional-Price to be quoted separately).
d	Should quote unit rate (Per mtr.) for suitable wiring (including tray / pipes / casing as per requirement) from UPS to Control Panel
e	Should quote unit rate (per mtr.) from control panel to MOT. For ranking purpose 50 mtr. wiring will be considered for UPS to Control and 100 mtr. for wiring from control panel to MOT.
	Compliance to the BOQ (As per tender specifications)

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

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

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

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

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

Note 4: DISMANTLING AND DEMOLISHING

Providing all tools, tackles, manpower for demolishing /dismantling, alteration/ addition for lime concrete, cement concrete, R.C.C, R.B work, precast concrete or stone slabs in walls, partition walls, stone rubble masonry, dressed stone work, ashlar face stone work, marble work or precast concrete work, dismantling doors, windows and clerestory window (steel or wood) shutter including chowkhats, architrave, holdfasts etc. CI or asbestos rain water pipes of any diameter with fittings and clamps, dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, taking out doors, windows and clerestory window shutters (steel or wood), wood work in frames, trusses, purlins and rafters, dismantling steel work in single sections including dismembering and stacking, dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc., old

plaster or skirting raking out joints and cleaning the surface for plaster, dismantling of R.C.C. spun vent shaft including excavating the cement concrete pit completely, taking out the shaft, refiling the excavated gap, stacking the useful materials near the site extra for cutting reinforcement bars, Dismantling aluminium/ Gypsum partitions doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material within 1000 meters lead and any other work as directed by engineer-in-charge.

Disposal of building rubbish/ malba/ similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge.

GENERAL TECHNICAL SPECIFICATIONS

GENERAL POINTS:

1. Warranty:

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

2. After Sales Service:

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

3. Training:

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

4. Annual Comprehensive Maintenance Contract (CMC) of subject equipment with Turnkey:

- a) The cost of Comprehensive Maintenance Contract (CMC) which includes preventive maintenance including testing & calibration as per technical/ service /operational manual of the manufacturer, labour and spares, after satisfactory completion of Warranty period may be quoted for next 5 years on yearly basis for complete equipment (including Batteries for UPS, other vacuumatic parts wherever applicable) and Turnkey (if any). The supplier shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, but at least once in six months during the CMC period
- b) The cost of CMC may be quoted along with taxes applicable on the date of Tender Opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
- c) Cost of CMC will be added for Ranking/Evaluation purpose. The same will be taken at Net Present Value with a 10% discounting factor each year.
- d) The payment of CMC will be made on six monthly basis after satisfactory completion of said period, duly certified by end user on receipt of bank guarantee for 2.5% of the cost of the equipment as per Section XV valid till 2 months after expiry of entire CMC period.

- e) There will be 95% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.
- f) During CMC period, the supplier is required to visit at each consignee's site at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.
- g) All software updates should be provided free of cost during CMC.
- h) Failure of the above [4. e) to 4. g)] by the supplier, may lead to the forfeiture of the Bank Guarantee for Annual CMC.
- i) The payment of CMC will be made as stipulated in GCC Clause 21.

Turnkey/Site Modification work:

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

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

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
 - c. telegraphic address
 - d. telex number
 - 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. **Status:** The Bidder should be a Manufacturer or its authorized Agent.
2. **Turnover:** Eligible Bidders should have a minimum cumulative average annual turnover in the past three financial years (i.e. for 2014-15, 2015-16, 2016-17) to qualify for the number of schedule as mentioned in **Eligibility Table**.
3. **Minimum Work of Similar Nature:** Eligible bidders should have successfully executed globally in last five years from the date of tender opening, similar turnkey project of value, equivalent to or exceeding 50% of the estimated schedule/ tender value. Out of total 50% value, at least one single order for similar work of minimum 10% of the estimated schedule/ tender value should have been executed globally. The details of requirement of cumulative schedule values for MWSN (minimum work of similar nature) are mentioned in Eligibility Table. The value of the executed works shall be brought to the current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to last date of receipt of tenders.

Example/Clarification: Similar Project means that installation of MOT meeting major technical parameters irrespective of material of construction.

4. **(a) Average Net Worth:** Eligible bidders should have an Average Net Worth (i.e. Assets minus Liabilities) for the last five years (i.e. from 2012-13 to 2016-17) of not less than 10% of the cumulative estimated value of work to qualify for the number of schedule as mentioned in **Eligibility Table**.
5. **Financial Status:** Eligible Bidders should not have incurred any loss in more than 2 years during the last five years ending 31st March 2017 or 30th June 2017 or 30th September 2017 Audited Profit & Loss account and Balance Sheet (duly notarized copies) for the immediate last five consecutive financial years should be submitted along with the bid.
6. **Manufacturer Authorization:** Eligible bidders quoting as an Indain Agent (ref. GIT calsue 14, Indian Agents) should submit a mandatory letter of authority from the Foreign Principal / Manufacturer, with name of manufacturing company for major products quoted by them as per given format as deatiled below.

For the following major items, Manufacturer’s Authorization should be submitted as per format at Section XIV A :

1	Wall Paneling System
2	Ceiling Paneling System
3	Laminar Air Flow System
4	OT Pendants (Anesthetist & Surgeon)
5	OT light with Camera
6	HD Camera

For the following items, Manufacturer’s Authorization should be submitted as per format at Section XIV-B:

1	Hermetically Sealed Doors
2	Isolation Panel System (IPS)
3	Online UPS

Note:

Bidder must clearly spell out in his bid what product and technical configuration he is quoting against the tender requirement. The manufacturer of the quoted product should also be binding legally to perform against the said contract including warranty and CMC terms.

7. **Bid for Complete Schedule/Part Schedule:** Bidder cannot choose to submit bid for part schedule/part sub schedule. If the bid is submitted for part schedule/sub schedule, the same will be termed as non-responsive. A bidder intending to get qualified and considered for award of work for more than one schedule will be required to meet the above qualification criteria on cumulative basis related to experience as well as financials, for such number of schedules.

Eligibility Table:

Cumulative Schedule/ Eligible of Schedules	Requirement of Minimum Cumulative Values (In INR) to determine number of Eligible Schedules				
	EMD to be submitted	Average Annual Turnover	Similar Projects executed in last five years for meeting 50% of the estimated cost	Single order executed in last five years for meeting 10% of estimated cost	Avg. Net Worth in last five years for meeting 10% of the estimated cost
1	₹ 14,00,000	₹ 2,10,00,000	₹ 3,50,00,000	₹ 70,00,000	₹ 70,00,000
2	₹ 28,00,000	₹ 4,20,00,000	₹ 7,00,00,000	₹ 1,40,00,000	₹ 1,40,00,000
3	₹ 42,00,000	₹ 6,30,00,000	₹ 10,50,00,000	₹ 2,10,00,000	₹ 2,10,00,000
4	₹ 56,00,000	₹ 8,40,00,000	₹ 14,00,00,000	₹ 2,80,00,000	₹ 2,80,00,000
5	₹ 70,00,000	₹ 10,50,00,000	₹ 17,50,00,000	₹ 3,50,00,000	₹ 3,50,00,000
6	₹ 84,00,000	₹ 12,60,00,000	₹ 21,00,00,000	₹ 4,20,00,000	₹ 4,20,00,000
7	₹ 98,00,000	₹ 14,70,00,000	₹ 24,50,00,000	₹ 4,90,00,000	₹ 4,90,00,000

Note: The bidders have to quote for all the schedules while submitting their bids. The purchaser will have the right to award the work for any schedule(s)/site(s) considering bidders eligibility and considering the best benefit (at the least cost) to the purchaser. In case a Bidder intending to get qualified in more than one schedule they should submit EMD accordingly for such number of schedules on cumulative basis. Thus, the bidder must quote for all the schedules mandatorily; **otherwise their bid will be summarily rejected.**

Least Cost Method: - Least cost method to the purchaser means award of work that has least cost to the purchaser.

Sample Examples

The below examples have taken only six schedules into consideration for the purpose of demonstrating the method. Actual evaluation will be done for Eighteen (18) schedules.

Example No.1			(I)	(II)	(III)	(IV)	(V)	(VI)
Bidders			Sch. 01	Sch. 02	Sch. 03	Sch. 04	Sch. 05	Sch. 06
	Qualified in No. of schedules	L1 for sites (Nos.)	Rs. Cr	Rs. Cr	Rs. Cr	Rs. Cr	Rs. Cr	Rs. Cr
A	1	1	14	15	16	19	18	12
B	3	2	12	13	18	18	15	14
C	1	1	16	14	15	16	13	18
D	2	2	18	17	14	15	16	13
E	1	-	15	20	17	21	19	16
F	3	-	13	14	16	17	14	15

Example No.1			(I)	(II)	(III)	(IV)	(V)	(VI)
Bidders			Sch. 01	Sch. 02	Sch. 03	Sch. 04	Sch. 05	Sch. 06
	Qualified in No. of schedules	L1 for sites (Nos.)	Rs. Cr	Rs. Cr	Rs. Cr	Rs. Cr	Rs. Cr	Rs. Cr
L1 bidder and cost Sch. Wise			B(12)	B(13)	D(14)	D(15)	C(13)	A(12)
Award to Bidder (based on least cost)			B(12)	B(13)	D(14)	D(15)	C(13)	A(12)

In this example, the no(s) of schedules for which each bidder is L1 is equal to or less than the no. of schedules for which it is qualified. Therefore, Bidders will be awarded the work on L1 basis for each schedule as per the above table.

Example No.2			(I)	(II)	(III)	(IV)	(V)	(VI)
Bidders			Sch. 01	Sch. 02	Sch. 03	Sch. 04	Sch. 05	Sch. 06
	Qualified in No. of schedules	L1 for sites (Nos.)	Rs. Cr	Rs. Cr	Rs. Cr	Rs. Cr	Rs. Cr	Rs. Cr
A	1	1	14	15	16.5	19	18	12
B	3	2	12	13	18	18	15	14
C	1	1	16	14	17.5	16.5	13	18
D	1	2	18	17	14	15	16	13
E	1	-	15	20	17	21	19	16
F	3	-	13	14	16	16	14	15
L1 bidder and cost Sch. Wise			B(12)	B(13)	D(14)	D(15)	C(13)	A(12)
Award to Bidder (based on least cost)			B(12)	B(13)	D(14)	F(16)	C(13)	A(12)

Bidder D is eligible for only one site. However, D is L1 for two sites, i.e. Sch. 03 and Sch. 04.

Case 1: D(L1) for Sch. 03 and F(L2) for Sch. 04 $= (14+16)=30$.

Case 2: D(L1) for Sch. 04 and F(L2) for Sch. 03 $= (15+16)=31$.

Thus, by least cost method, D will be awarded Sch. 03 and F will be awarded Sch. 04.

Example No.3			(I)	(II)	(III)	(IV)	(V)	(VI)
Bidders			Sch. 01	Sch. 02	Sch. 03	Sch. 04	Sch. 05	Sch. 06
	Qualified in No. of schedules	L1 for sites (Nos)	Rs. Cr	Rs. Cr	Rs. Cr	Rs. Cr	Rs. Cr	Rs. Cr
A	1	1	14	15	16.5	19	18	12
B	3	2	12	13	18	18.5	15	14
C	1	1	16	14	15	15.5	13	18
D	1	2	18	17	14	15	16	13
E	1	-	15	20	17	21	19	16
F	3	-	13	14	16	18	14	15
L1 bidder and cost Sch. Wise			B(12)	B(13)	D(14)	D(15)	C(13)	A(12)

Award to Bidder (based on least cost)	B(12)	B(13)	D(14)	C(15.5)	F(14)	A(12)
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Bidder D is eligible for only one site. However, D is L1 for two sites, i.e. Sch. 03 and Sch. 04.

Case 1: D(L1) for Sch. 03, C(L2) for Sch. 04 and F(L2) for Sch. 05 = $(14+15.5+14) = 43.5$.

Case 2: C(L2) for Sch. 03, D(L1) for Sch. 04 and F(L2) for Sch. 05 = $(15+15+14) = 44$.

Case 3: D(L1) for Sch. 03, F(L3) for Sch. 04 and C(L1) for Sch. 05 = $(14+18+13) = 45$.

Case 4: F(L3) for Sch. 03, D(L1) for Sch. 04 and C(L1) for Sch. 05 = $(16+15+13) = 44$.

Thus, by least cost method, D will be awarded Sch. 03, C will be awarded Sch. 04 and F will be awarded Sch. 05.

The above are only sample examples and do not cover all situations. In any and all situations the method and principle of least cost to the purchaser will be followed.

Notes:

In support of 2 (a), the bidder shall furnish Performance statement in the enclosed Proforma 'A'.

The bidder shall furnish Satisfactory Performance Certificate in respect of above (i.e. Section IX, Qualification Criteria of TED) in case not from India, duly translated in English and duly endorsed by country's Embassy present in India, along with the tender.

1. The bidder shall furnish a brief write-up, along 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.
2. 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.
3. 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 Government Institutions like 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
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

To be enclosed with Techno-Commercial Bid

ANNEXURE-A

BIDDER PARTICULARS

1. Name of the Bidder :
2. Address of the Bidder :
3. Name of the Manufacturer (s) :
4. Address(es) of the Manufacturer :
5. Name and address of the person: To whom all references shall be made regarding this tender inquiry.

Telephone: Telex : Fax :

E-mail address : Witness:

Signature

Name Address Designation

Company Date

Company Seal

To be enclosed with Techno-Commercial Bid

ANNEXURE-B

UNDERTAKING

To,

.....
.....
.....

Sir,

Having examined the Bidding Documents of Tender No. _____ undersigned offers to supply, install, commission, operate maintain _____ and we undertake, if our bid is accepted, to complete delivery of all the items specified in the contract within _____ weeks calculated from the date of receipt of your Notification of Award and to complete the installation, testing & commissioning.

Signature and Seal

(In the capacity of)

Only Authorized to sign bid for and on behalf of

To be enclosed with Techno-Commercial Bid

ANNEXURE-C

BIDDER PROFILE

A. General Information:

- (i) Location of Corporate Headquarters :
- (ii) Date and Country of Incorporation :
- (iii) Manufacturing Facility (S)

Location Size Capacity

- (iv) No. of Service Facility(S) in India

Location
Strength
Area Covered

- (v) Average yearly turnover for last three years:
- (vi) Geographical Distribution of the Supplier :

No. of Offices
Locations
Staff strength

- (vii) Total No. of installations of the system offered.

- (viii) No. of Employees

Total No. Manufacturing R&D (If any) Hardware
Maintenance
Software

- B. Reference of Major installation with similar products (attach documents in support, if available)
_____S. No. Customer Name, Address Product Description

Telephone
Fax Number
(No. of Machines installation year wise).

Date.....

Signature and seal of bidder

SECTION – XIV- A

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 – XIV - B
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 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 and designation]
for and on behalf of Messrs _____
[Name & address of the manufacturers]

Note: 1. This letter of authorisation should be on the letter head of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind the manufacturer.

2.Original Letter may be sent. Photocopy not acceptable

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: _____

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 Goods/Storesas detailed below has/have been received in good conditions along with all the standard and special accessories and in accordance with the contract/ specifications. The same has beenaccepted and taken in stock.

(a) Contract No _____ dated _____

(b) Description of the equipment(s)/plants: _____

(c) Quantity: _____

(d) Receipt/ Goods Consignment Note no _____ dated _____

(e) Name of the Transporters: _____

(f) Name of the Consignee: _____

(g) Date of acceptance: _____

(h) Remarks if any: _____

Signature

Name

Designation with Stamp/Seal

Section – XIX**Consignee List**

Sl. No.	Name of Hospital and Address	State
1	Government Medical College Chhindwara, Near T. B. Sanatorium, Chhindwara, M.P.	Madhya Pradesh
2	Government Medical College, Datia Thandi Sadak, Near 29 th Batallian, NH – 75, Datia, 475661,M.P	Madhya Pradesh
3	Government Medical College, Khandwa Love Kush Nagar, Khandwa, 450001 Madhya Pradesh	Madhya Pradesh
4	Government Medical College, Ratlam Village- Banjali Sailana Road, Ratlam, M.P.	Madhya Pradesh
5	Government Medical College, Shahdol Village Champa, Kudri Road, Near New Bus stand, Shahdol, MP.	Madhya Pradesh
6	Government Medical College, Shivpuri Gwalior Highway, Near Katha mil, Shivpuri (M.P).	Madhya Pradesh
7	Government Medical College, Vidisha Sanchi Road, Vidisha (M.P).	Madhya Pradesh

Section – XX

FORM OF INTEGRITY PACT

PRE-CONTRACT INTEGRITY PACT

This Pre-Contract Integrity Pact (herein after called the Integrity Pact) is made on ___31ST___ day of the month of __ 2018 _____

Between

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

And

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

Preamble

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

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

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

NOW, THEREFORE,

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

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

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

Clause.1. Commitments of HITES

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

Clause 2. Commitments of BIDDERS/ CONTRACTORS

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

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

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

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

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

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

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

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

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

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

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

Clause.5. Consequences of Violation / Breach

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

- i. To immediately call off the pre-contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other BIDDER(s) would continue.
- ii. If BIDDER commits violation of Integrity Pact Policy during bidding process, he shall be liable to compensate HITES by way of liquidated damages amounting to a sum equivalent to 5% to the value of the offer or the amount equivalent to Earnest Money Deposit/Bid Security, whichever is higher.
- iii. In case of violation of the Integrity Pact after award of the contract, HITES will be entitled to terminate the contract. HITES shall also be entitled to recover from the contractor liquidated damages equivalent to 10% of the contract value or the amount equivalent to security deposit/ performance guarantee, whichever is higher.
- iv. To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER.
- v. To recover all sums already paid by HITES, and in case of an Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate of State Bank of India, while in case of a BIDDER from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is

due to the BIDDER from HITES in connection with any other contract for any other stores, such outstanding payment could also be utilized to recover the aforesaid amount.

- vi. To encash the advance bank guarantee and performance guarantee /warranty bond, if furnished by the BIDDER, in order to recover the payments already made by HITES, along with interest.
 - vii. To cancel all or any other contract with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to HITES resulting from such cancellation/recession and HITES shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.
 - viii. To debar the BIDDER from participating in future bidding processes of HITES for a minimum period of five (5) years, which may be further extended at the discretion of HITES or until Independent External Monitors is satisfied that the Bidder (s) will not commit any future violation.
 - ix. To recover all sums paid in violation of this Pact by BIDDER(s) to any middleman or agent or broker with a view to securing the contract.
 - x. In cases where irrevocable Letters of credit have been received in respect of any contract signed by HITES with the BIDDER, the same shall not be opened.
 - xi. Forfeiture of performance guarantee in case of a decision by HITES to forfeit the same without assigning any reason for imposing sanction for violation of the pact.
- 5.2 HITES will be entitled to all or any of the actions mentioned in para 5.1(i) to (x) of this pact also on the commission by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an offence as defined in Chapter IX of the Indian Penal Code, 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.
- 5.3 The decision of HITES to the effect that a breach of the provisions of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BIDDER can approach the Independent External Monitor(s) appointed for the purposes of this Pact.

Clause.6. Fall Clause

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

Clause .7. Independent External Monitor(s)

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

Sh. A.K. Arora

Independent External Monitor (IEM)

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

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

Tel: 011 26273406

Mobile: +91 8130588577

Email: iem@hllhites.com

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

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

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

Clause.9. Facilitation of Investigation

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

Clause.10. Law and Place of Jurisdiction

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

Clause.11. Other legal Actions

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

Clause.12. Validity and Duration of the Agreement

This Pact begins when both parties have legally signed it. It expires for the Contractor/Successful bidder 12 months after the last payment under the contract or the complete execution of the contract to the satisfaction

of the both HITES and the BIDDER /Seller, including warranty period, whichever is later, and for all other Bidders/unsuccesful bidders 6 months after the contract has been awarded.

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

Clause. 13. Other provisions

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

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

HLL Infra Tech Services Ltd.

Bidder

Witness

Witness

1.....

1.....

2.....

2.....

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

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.

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

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

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

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

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

10. Specifications in Tenders and other procurement solicitations:

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

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11. **Assessment of supply base by Nodal Ministries:** The Nodal Ministry shall keep in view the domestic manufacturing / supply base and assess the available capacity and the extent of local competition while identifying items and prescribing minimum local content or the manner of its calculation, with a view to avoiding cost increase from the operation of this Order.
12. **Increase in minimum local content:** The Nodal Ministry may annually review the local content requirements with a view to increasing them, subject to availability of sufficient local competition with adequate quality.
13. **Manufacture under license/ technology collaboration agreements with phased indigenization:** While notifying the minimum local content, Nodal Ministries may make special provisions for exempting suppliers from meeting the stipulated local content if the product is being manufactured in India under a license from a foreign manufacturer who holds intellectual property rights and where there is a technology collaboration agreement / transfer of technology agreement for indigenous manufacture of a product developed abroad with clear phasing of increase in local content.
14. **Powers to grant exemption and to reduce minimum local content:** Ministries /Departments of Government of India and the Boards of Directors of Government companies or autonomous bodies may, by written order,
 - a. reduce the minimum local content below the prescribed level;
 - b. reduce the margin of purchase preference below 20% ;
 - c. exempt any particular item or procuring or supplying entities or class or classes of items or procuring or supplying entities from the operation of this Order or any part of the Order.

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

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

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

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

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

