

12.01.2022

Pre- Bid Query Reply**Sub: Pre Bid Query Reply to the bidders for referred tender enquiry****Ref.: HITES/PCD/AIIMS-IV/42/Rad-Onc/21-22 dated 13.09.2021 Pre bid meeting held on 04.10.2021****Commercial Query Reply**

S.N	Description	Existing	Commercial Representation	Recommendation
1	Note 3	This bid is reserved for Class I and Class II bidders only as per make in India Policy (DPIIT Order dated 16thSeptember 2020). Participating bidders need to submit relevant make in India authorization certificate.	You would agree that considering upcoming AIIMS as the consignee the equipment's procured need to have latest global technology platform. Hence, we request you to kindly remove this clause for having wider participations.	No Change as per DPIIT Guideline
	Page no. 33, Point No. 21	TERMS AND MODE OF PAYMENT:	We request for opening of 100% irrevocable Inland Letter of credit with disbursement split of 75% initial payment against LC to be paid on submission of dispatch documents and balance 25% payment would be made against installation.	No change tender terms in this regard will prevail
	Page no. 41, Delivery Terms	90 days from date of Notification of Award to delivery at consignee site or within 45 days from the date of site readiness, whichever is later. The date of delivery will be the date of delivery at consignee site. Tenderers may quote earliest delivery	180 days from the date of Notification of Award to delivery at consignee site or within 180 days from the date of site readiness, whichever is later considering installation of huge equipment at consignee's place. Installation and	Delivery terms read as:- 180 days from date of Notification of Award to deliver at consignee site or within 60 days from the date of site readiness(which includes bunker, availability of power at site, RSO and AERB

		<p>period. Installation and commissioning shall be done within 45 days of receipt of the stores/ goods at site or within 45 days of handing over the site for installation,</p>	<p>commissioning shall be done within 60 days of receipt of the stores/ goods at site or within 60 days of handing over the site for installation.</p>	<p>approval etc.) whichever is later. The date of delivery will be the date of delivery at consignee site. Tenderers may quote earliest delivery period. Installation and commissioning shall be done within 45 days of receipt of the stores/ goods at site or within 45 days of handing over the site for installation,</p>
	Page no 68, technical specifications	<p>Penalty clause: Penalty at the rate of Rs. 10, 000 per day for short falling of 95% uptime guarantee. If the machine lies non-functional for a period of more than two weeks continuously, the same penalty will be imposed even if 95% uptime clause is met with.</p>	<p>We humbly request for 95% up time Warranty of complete equipment with extension of Warranty period by double the downtime period only.</p>	<p>No Change</p>
	Page No 33, A (ii)	<p>Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of the consignee;</p>	<p>We humbly request for issuance of Consignee Receipt Certificate on delivery and we also request to mention the timelines for issuance of Consignee Receipt Certificate post delivery.</p>	<p>No Change, It is the sole responsibility of end user to issue CRC. Before supply of goods, site readiness with the consignee checked by the supplier.</p>
2			<p>I also request to kindly provide the relaxation on the Qualification Criteria (Section IX) Point No. 4 where it states that only class no. I & Class II company is eligible to</p>	<p>No Change as per DPIIT Guideline</p>

			<p>participate for the tender</p> <p>Sir being a Branch office of Germany company whose Head office is in Berlin Germany, we offer completely imported product manufactured in Germany ,Russia & USA</p> <p>So, we request you to kindly amend this clause of class I & Class II as one of the point for qualifying in the bidding process.</p>	
			<p>We are comfortable to offer the Bid in INR Currency provided Indian LC is established.</p>	No Change
3	Page 24 Point vi	Bidder have to quote in Indian Rupees only	<p>The supply of Equipment contract will be executed by Varian Medical Systems International AG (VMS AG)</p> <p>Therefore, VMS AG cannot take the order and process the same in Indian currency (INR) as the INR is not a fully convertible currency & hence cannot be remitted outside India as per FEMA guidelines. Therefore, we would request to amend the the tender requirement to participate in INR and should be changed to to USD only.</p>	No Change as per DPIIT Guideline
	Page 33 Point 20	Taxes and Duties	<p>Please note that in the case of change of the tender payment terms</p>	No change

			<p>from INR to USD, Varian will intimate the First party around the shipment & ask for the documentation for clearing & duty payments.</p> <p>Please note that Varian would neither be able to pay customs on behalf of the institute nor, would be able to claim re imbursement of the same. Hence, the duty should be directly paid by the the institute/HLL to the Govt.</p> <p>Any delay due to non-submission of the documents by the institute shall not trigger any LD on Varian.</p>	
	Page No.33, Point 21	Payment Terms	<p>We request to amend the clause as-</p> <p>We would need a 100% irrevocable confirmed Letter of Credit at sight, payable as follows: 80 % on Bill of Lading & balance 20% against acceptance and commissioning or, 180/120 days from the shipment/Bill of Lading, whichever is earlier, against an equivalent PBG.</p>	Not applicable in this case
	Page 34	B) Payment of Turnkey, if any	<p>There is no mention of Payment structure for Turnkey.</p> <p>Please note that Turnkey in this case would be a cost intensive project</p>	<p>Please refer GCC Clause no 21.1 B same is also reproduced below: Turnkey payment will be made to the</p>

			<p>limiting our capability to fund. Therefore, there should be a provision for milestone-based payment as follows: 30% - Advance, 30% - Completion of Civil and Interior works, 30% - Completion of Electrical and HVAC works and 10% - Completion of Turnkey works and Handover for Machine Installation.</p> <p>For Turnkey - There won't be any remittance to foreign Principal in this case, as turnkey shall be taken care by Varian India local entity the same shall be bill directly to Institute with applicable local taxes as extra.</p> <p>Considering the payment of machine and turnkey would be linked to installation, we would also like to be made aware of the final person or, the Final Signing Authority of the Turnkey works on completion.</p>	<p>bidder/manufacturer's agent in Indian rupees indicated in the relevant Price Schedule and shall not be subject to further escalation / exchange variation. This will be paid on proof of final installation, commission and acceptance of equipment by the consignee.</p>
Page 34		C) Payment for Annual Comprehensive Maintenance Contract Charges	<p>We request to amend the clause as- The Bank Guarantee which needs to be submitted to cover the service contract period after the expiry of guarantee/warranty, shall be 2.5% of the cost</p>	No Change considered

			of the CMC contract value, instead of value of the equipment.	
	Page 34	21.2 The supplier shall not claim any interest on payments under the contract.	Please amend this clause as, supplier reserve the rights to charge interest on the overdue payments	No Change considered
	Page No. 35 & 36	23. Liquidated damages	<p>Extension of Time</p> <p>1.1 Subject to the terms of this Agreement, VMS shall be entitled to an extension of the time for completion of supply of Product (without the Customer making any claims for damages) to the extent that the supply of the Product is delayed by:</p> <p>1.1.1 Customer not making timely payment in accordance with the payment terms contained herein;</p> <p>1.1.2 A variation in the terms of the Agreement due to a Change in Law;</p> <p>1.1.3 Any delay, impediment or prevention caused by or attributable to the Customer, the Customer's representative/ consultants, or such other persons appointed by the Customer at the Installation Site; and</p> <p>1.1.4 Delays attributable to an event of Force Majeure, or any other reasons not attributable</p>	No Change Tender terms remain unchanged in this regards

			to any negligence or fault of VMS International or VMS India.	
	Page No. 16	19. Earnest Money Deposit (EMD)	Kindly give clarity around the form and the value of EMD which is required to be submitted.	EMD not applicable in the instance case
4	Page 13; 13.4.1;	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	Please clarify.	Please refer price bid format uploaded on online e tendering portal
	Page 16; 20.1	If not mentioned otherwise in the SIT, the tenders shall remain valid for acceptance for a period of 180 days (One hundred and Eighty days) after the date of tender opening prescribed in the TE document. Any tender valid for a shorter period shall be treated as unresponsive and rejected.	Please provide clarity on offer validity.	refer GIT Clause No. 20 for tender validity
	Page 31; 15.2	Complete system including labour & spares should have comprehensive onsite warranty for five years; commencing from the date of issue of installation certificate by the institute. Post guarantee annual comprehensive	We request to change the warranty on Turnkey scope to 1 year except Air-conditioning, and no warranty on consumables.	Existing tender condition will prevailed

		<p>maintenance contract (CMC) to cover main equipment/civil construction including all accessories supplied with the unit.</p>		
	Page 31; 15.2	<p>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.</p>	Please clarify.	This clause is self-explanatory
	Page 34; 21.1 (B)	<p>Turnkey payment will be made to the bidder/manufacturer's agent in Indian rupees indicated in the relevant Price Schedule (as per prevailing rate of exchange ruling on the date of Contract) and shall not be subject to further escalation / exchange variation. This will be paid on proof of final installation, commission and acceptance of equipment by the consignee.</p>	<p>We request payment terms for Turnkey scope as follows: Option 1 •40% advance along with PO. • balance 60% to be paid on actual measurement sheet certification against RA bills. Option 2 •80% advance along with PO against BG. •20% on machine installation.</p>	<p>Existing terms replaced by: "Turnkey payment will be made to the bidder/manufacturer's agent in Indian rupees indicated in the relevant Price Schedule and shall not be subject to further escalation / exchange variation. This will be paid on proof of final installation, commission and acceptance of equipment by the consignee."</p>
	Page 41, Part I	Quantity of High Energy LA	In this section, the requirement states 3 nos. while in pg no. 4 (NIT), the requirement states 4 nos.	Quantity of high Energy LA will be as per Section-I NIT
	Page 42, Part	For Indigenous goods or	We would request a	Already clarified

	II	for imported goods if supplied from India: 90 days from date of Notification of Award to delivery at consignee site or within 45 days from the date of site readiness, whichever is later. The date of delivery will be the date of delivery at consignee site. Tenderers may quote earliest delivery period. Installation and commissioning shall be done within 45 days of receipt of the stores/ goods at site or within 45 days of handing over the site for installation, whichever is later.	minimum time period of 180 days from the date of LC opening and handover of complete shell as per AERB SLA.	above at point no 1
	Class-I/II bidders only NOTICE INVITING TENDERS (NIT) & Qualification Criteria. (Page References: 4, 76 of TED)	This bid is reserved for Class I and Class II bidders only as per make in India Policy (DPIIT Order dated 16th September 2020. Participating bidders need to submit relevant make in India authorization certificate	To be deleted	No Change as per DPIIT Guideline
	Bid/Tender Validity Clause- 20, Pg.16	If not mentioned otherwise in the SIT, the tenders shall remain valid for acceptance for a period of 180 days (One hundred and Eighty days) after the date of tender	If not mentioned otherwise in the SIT, the tenders shall remain valid for acceptance for a period of 90 days (Ninety days) after the date of tender technical opening	Refer GIT Clause No. 20 for tender validity

		<p>opening prescribed in the TE document. Any tender valid for a shorter period shall be treated as unresponsive and rejected.</p>	<p>prescribed in the TE document. Any tender valid for a shorter period shall be treated as unresponsive and rejected.</p> <p>Also the Price validity of the accepted bid shall be for a period 180 days from date of first NOA award i.e., all orders against this tender will be issued by HITES within 180 days from the date of first NOA award.</p> <p>OR</p> <p>Imported component price will be frozen at the foreign currency rates and the payment will be made at the prevailing exchange rates at the time of actual placement of order. Any change in Customs Duty and GST from bid submission date to actual delivery shall be on purchaser account. For the local currency quoted items, an annual increase of 5% per year will be given from date submission of bid.</p>	
	<p>Bid Security Declaration Pg.16,82 of TED</p>	<p>With respect to provisions contained in the tender document regarding submission of Earnest Money deposit (EMD) / Bid security, interested bidders are required to sign "Bid</p>	<p>With respect to provisions contained in the tender document regarding submission of Earnest Money deposit (EMD) / Bid security, interested bidders are required to sign "Bid</p>	<p>Not applicable in this case</p>

		<p>Security Declaration" accepting that if they withdraw or modify their Bids during the period of validity, or if they are awarded the contract and they fail to sign the contract, or to submit a performance security before the deadline defined in the request for bids document, they will be suspended for the period of 6 months from being eligible to submit Bids for contracts with the entity that invited the Bids.</p>	<p>Security Declaration" accepting that if they withdraw or modify their Bids during the period of validity, or if they are awarded the contract and they fail to sign the contract, or to submit a performance security before the deadline defined in the request for bids document, if supplier fails then buyer's has discretion to cancel the order if there is no any valid reasoning for such delays produced.</p>	
	<p>Part II: Required Delivery Schedule: a. For goods to be supplied as per List of Requirement: Pg.41 of TED.</p>	<p>For Indigenous goods or for imported goods if supplied from India: 90 days from date of Notification of Award to delivery at consignee site or within 45 days from the date of site readiness, whichever is later. The date of delivery will the date of delivery at consignee site. Tenderers may quote earliest delivery period. Installation and commissioning shall be done within 45 days of receipt of the stores/ goods at site or within 45 days of handing over the site for installation, whichever is later.</p>	<p>Supply of main imported equipment along with indigenous goods to be completed within 120 days from the date of Notification of Award or opening of confirmed & irrevocable Letter of Credit for main unit or date of site readiness including site handover with permanent power/water by respective consignee or Site Layout approval from AERB , whichever is later. Installation and commissioning shall be done within 45 days of receipt of the stores/ goods at site or within 45 days of handing over the site for installation, whichever is</p>	<p>Already clarified above at point no 1</p>

	<p>GCC- Point No- 14 Point Aof TED.</p>	<p>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) Four 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.</p>	<p>later. A) For Domestic Goods, including goods already imported by the supplier under its own arrangement within 72 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) Four copies of packing list identifying contents of each package; (iii) Certificate of origin for goods of foreign origin; (To amended as Country of origin for imported main equipment shall be provided) (iv) Insurance Certificate as per GCC Clause 11. (v) Manufacturers/Supplier's warranty certificate & In-house inspection certificate.</p>	<p>existing clause read as: Supplier should intimate immediately to the consignee with a copy to HITES after dispatch of Goods and at least 24 hrs before arrival of goods at destination</p>
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	Firm Price Pg.15 of TED	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.....	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 except any change in taxes & duties due to statutory variation.....	No Change
	Clause No.14 Pg.14 of TED <only relevant portion is produced>	Under clause 14.1 e) A copy of agreement between the Agent & their principal detailing the terms & conditions as well as services and after sales services as above to be rendered by the agent and the precise relationship between them and their mutual interest in the business as laid out in section VII (Technical specifications). f) Principal"s/Manufacturer r"s original Proforma Invoice with the price bid	Under clause 14.1 e) To be deleted f) Principal"s/Manufacturer "s/Supplier"s original Proforma Invoice with the price bid	This clause is deleted as Manufacture Authorization is already asked in tender
	Inspection, Testing & controlling. Pg.27 of TED	Inspection, Testing & controlling. (As per tender terms)	Inspection should be at respective consignee's site post-delivery only.	No Change
	Price Fall:- PREPARATION OF e-TENDERS Point no 11.1 (A)- XIX Page No 12 of	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	A self-declaration on Rs. 10/-non-judicial Stamp Paper that the rates quoted of identical description (i.e. same nature, class, specifications prevailing	No Change, it is clarified hereby that while comparing such rate a like to like comparison will be made

<p>TED Clause-15.10 Pg.32 of TED</p>	<p>Institution (State/Central/other Institute in India), during last 2 years. The Supplier along with its Indian Agent and the CMC Provider shall always accord most favoured client status to the Purchaser vis-à-vis its other Clients/Purchasers of its equipment/machines/goods etc. and shall always give the most competitive price for its machines/equipment supplied to the Purchaser/Consignee.</p>	<p>exchange rate, warranty, quantity and other commercial terms & conditions in the tender are the lowest and not quoted less than this to any Government Institution (State/Central/other Institute in India). This undertaking shall be valid until installation of the equipment or 12 months from the date of submission of bid, whichever is earlier. The Supplier along with its Indian Agent and the CMC Provider shall always accord most favoured client status to the Purchaser vis-à-vis its other Clients/Purchasers of its identical descriptions equipment/machines/goods etc. and shall always give the most competitive price for its machines/equipment supplied to the Purchaser/Consignee.</p>	
<p>Clause-12.b(ii) Pg.30 of TED</p>	<p>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.</p>	<p>The supplier shall be responsible for undertaking the supply of any such spare part for the proper up keeping of equipment for a period of 10 years including the warranty and CMC periods. This undertaking shall be valid until installation of</p>	<p>No change</p>

			the equipment but not later than 12 months from the date of submission of bid.	
	Page 12 /116 Point 12:	12.1 The tenderer supplying indigenous goods or already imported goods shall quote only in Indian Rupees.	We request you to kindly amend the same as: - For imported goods which are supplied directly from abroad, prices shall be quoted in any freely convertible currency say US Dollar, Euro, GBP or Japanese Yen.	No Change
	Page 20/116 Clause 34	The comparison of the responsive tenders shall be carried out on Delivery Duty Paid (DDP) consignee site basis	As DDP delivery stands for a cost including customs duty, which is entirely regulated by the government and may change at the time of actual import. We request for comparison on CIP or CIF basis.	No change, It is clarified here that applicability of incoterms DDP may be understood as FOR destination basis inclusive of all cost
	Page 22/116 Clause 41	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 action will be initiated as per tender/EMD declaration and the award will be cancelled. Relevant details about the performance security have been provided under GCC Clause 5 under Section IV	We request to kindly amend clause as under: The successful tenderer must furnish to the purchaser the required performance security within thirty days of formal handover of the site by the consignee, failing which action will be initiated as per tender/EMD declaration and the award will be cancelled. Relevant details about the performance security have been provided under GCC Clause 5 under Section IV	No Change
5	Page 24/116	vi) Bidder have to quote	We request you to kindly	No change

	Clause D	in Indian Rupees only	amend the same as: Bidder have to quote in in any freely convertible currency say US Dollar, Euro, GBP or Japanese Yen.	
	Page 30/116 Clause 13	Incidental services	Please add (vi) Buyer shall be responsible for preparing the site (including complying with all relevant safety electrical and building codes) in accordance with regulatory requirement and Supplier's site planning criteria for installation of the equipment.	already replied above at point no 1
	Page 32/116 clause 16	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	We request to either delete this clause or allow supplier to assign as necessary without prior permission of purchaser	No Change
	Page 33/116 clause 21	Terms and Mode of Payment	We request you to kindly add the below point: Payment for Imported Goods: Payment for foreign currency portion shall be made in the currency as specified in the contract in the following manner: On Shipment: a) 75% of the net CIP price of the goods shipped shall be paid through an irrevocable and non-transferable	no change, tender terms prevail

			<p>Letter of Credit (LC) opened in favor of the Supplier and advised through a bank in his country.</p> <p>b) On Acceptance: Balance payment of Twenty Five percent (25%) of net CIP price of goods would be made against 'Final Acceptance Certificate' as per Section XVIII OR within 180 days from the date of shipment whichever is earlier, through an irrevocable and non-transferable Letter of Credit (LC) opened in favour of the Supplier and advised through in a bank in his country.</p>	
	Page 34/116, Clause B:	<p>Payment of Turnkey, if any Turnkey payment will be made to the bidder/manufacturer's agent in Indian rupees and will be paid on proof of final installation, commission and acceptance of equipment by the consignee.</p>	<p>We request you to amend the Turnkey payment as per the below mile's stones like:</p> <ul style="list-style-type: none"> - i)30% against completion of civil work - ii) 30% against completion of electrical work & air-conditioning - iii) 30% against completion of interiors and delivery of furniture - iv) 10% against final acceptance by the consignee 	No Change
	Page 36/116, Clause 23	Liquidated damages:	<p>We request you to change penalty/LD from 0.5% per week of delay to 0.25% per week of delay.</p>	No Change
	Page 37/116,	Termination for	We request to kindly	No Change

	Clause 27	convenience	delete this clause	
	Page 41/116, Part B	Delivery period	<p>We request you to amend the same as: - 270 days minimum for the Imported Goods as there are certain approvals required from AERB, which are time consuming and there is no control of supplier over these approvals. Also, this involves site modification work as well. Considering these points and facts, we request you to increase delivery and commissioning period from 180 days to 270 days from date of opening of LC /AERB NOC and site handover whichever is later and further subject to availability of required staff as per AERB regulatory requirement</p>	Already clarified above at point no 1
	Page 40 /116 Section -V	Performance Security Within twenty one (21) days from date of the issue of notification of award by the Purchaser/ Consignee	<p>We request you to kindly amend the same as: Within 30 days of formal site handing over by the respective consignee. The supplier, shall furnish a performance security in the prescribed proforma to the Purchaser for an amount in equal INR to three percent (3%) of the contract value and with an initially validity period of 36 months from the date of formal site</p>	No Change

			handing over by the respective consignee.	
Limitation of Liability	The Supplier's (and its affiliates') total liability under this agreement, regardless of the form of action, shall not exceed the contract price, except as provided in sections 33.5 and 33.6. Neither Purchaser nor Supplier (nor their respective affiliates) shall be liable to the other party for any indirect, special, punitive, incidental or consequential damages, or for loss of profits, revenue, time, opportunity or data, whether in an action in contract, tort, breach of warranty, product liability, statute, equity or otherwise. This limitation of liability clause shall apply in all situations whether or not there are other remedies available to the parties under this agreement.		We request to kindly add this limitation of liability clause to Page 39 /116 under General/ Miscellaneous Clauses	No change, clause is self explanatory
Transfer of title of goods			We request to kindly add this transfer of title clause Title of supplied goods transfers upon release of 100 % payment of the contract price to Supplier.	No change
Intellectual property (IP)				Not being considered

	rights		We request to kindly add this clause All intellectual property (IP) rights in the deliverables (hardware, software and services) are and shall remain the exclusive property of Elekta or its Affiliates (or, in the case of third party products, the third party supplier).	
			HDR Brachytherapy 100% Payment for the Iridium Sources shall be made through bank wire/TT transfer upon presentation of following documents: 1. Invoice in triplicate 2. Airway Bill 3. Final acceptance	no change, Tender terms prevail

Technical Specification Query Reply

Item no 01. Advanced High Energy Linear Accelerator (LA) System (Tender ID: 2021_HLL_88075_1)				
Tender Page & Para	TENDER SPECIFICATION	REPRESENTATION RECEIVED FROM THE FIRMS	COMMITTEE RECOMMENDATION	JUSTIFICATION
Page 43	Model released in the year 2010 or later.	We request you to kindly amend the same as: Model released or upgraded with the latest technologies in the year 2010 or later.	Amended as : Model released or upgraded with the latest technologies in the year 2010 or later.	For wider participation.
Page 43, Para A.1	Electron Energy Highest energy for electrons 15 MeV or above.	Electron energy ranges are not mentioned. Please specify the range of energies or mention the energies required.	Amended as : Electron Energy with range from 6 MeV upto 20MeV (minimum 5 energies to be provided). In addition, one low energy electron 4 or 6 MeV with high dose rate more for total body skin	For wider & different range of clinical applications

			electron therapy treatment along with all necessary accessories.	
Page 44, Para 14	Multi-leaf collimator (MLC):	Please include the MLC resolution width at isocenter in MLC specs coloumn	Multi-leaf collimator (MLC): Added Para : The resolution of MLC width should be of 5 mm at isocenter for the field sizes of minimum 20 x 20 cm2.	For wider participation.
Page 44, Para 16	Portal Imaging : Should be able to take images at any Gantry angles with variable X-Y movements, Robotics Arm with remote control.	For best imaging experience movements in X-Y-Z are possible when loaded from plan.. Remote robotic from console saves time	No change	
Page 44, Para 19	Networking: All required interfaces & connectivity should be provided, for different modalities, e.g. CT Simulator, HDR Brachytherapy	Please clarify further on the interfaces. Also, if any other equipment/modalities are there besides the CT and HDR. We would also want to know the models of the same. We also wanted to clarify whether the equipments are DICOM compliant	No change	
Page 46, Para 24	Treatment Planning System: Server (backup/restore) – latest HW/SW and upgradable for next 10 yrs.	Please change the word "upgradable" to "mandatory software updates".	Amended as : Treatment Planning System: Server (backup/restore) – latest HW/SW and mandatory software updates for next 10 yrs.	Based on cost consideration
Page 46, Para 27	Upgradation:	Please change the word "upgradation" to "mandatory software updates".	Amended as : Updates :	Based on cost consideration
Page 47, Para 29	Dosimetry and QA RADIATION THERAPY BEAM ANALYZER The detector unit should be driven by stepper motor and step length should be adjustable in steps of 5 mm or better. The scanning speed should be adjustable	Please amend to read as "The detector unit should be driven by magnetostrictive technology with certified positioning accuracy of ± 0.1 mm for each direction. The water Phantom must have cross hair on all five tank walls for ease of water phantom setup. The scanning speed must be variable in steps of 0.1mm/s from 3mm/s	Amended as : Dosimetry and QA RADIATION THERAPY BEAM ANALYZER The detector unit should be driven by stepper motor and step length should be adjustable. The scanning speed should be adjustable between 5mm/s and 25mm/s or more with small steps.	For wider participation.

	<p>between 5mm/s and 50mm/s in 5mm/s small steps. Further the delay times for each step should also be adjustable by the user. The acceleration of the step movement should also be changed as and when required.</p>	<p>to 25mm/s</p>	<p>Further the delay times for each step should also be adjustable by the user. The acceleration of the step movement should also be changed as and when required.</p>	
<p>Page 47, Para 29</p>	<p>Dosimetry and QA Water Phantom/ Radiation Field Analyzer: The scanning volume should be large enough to scan and should not be less than 48x40x48 cm To avoid bending of the tank's walls by water pressure and water absorption of the acrylic material 1 wall thickness should be not less than 2.0 cm. The RFA offered should come with water level sensor / adjustment software without need for adjustment of the water leveling screws.</p>	<p>Please amend to read scanning volume as 48x48x40cm. Wall thickness Wall thickness should not be less than 1.5cm on all four corners. The RFA offered should come with water level sensor/adjustment software or micro leveling frame. without need for adjustment of the water leveling screws. Please clarify on TPR/TMR measurement requirement as it is mentioned only as "compatible for TMR/TPR measurements under heading water reservoir" below</p>	<p>Amended as : Dosimetry and QA Water Phantom/ Radiation Field Analyzer: The scanning volume should be large enough to scan and should not be less than 48x40x48 cm To avoid bending of the tank's walls by water pressure and water absorption of the acrylic material 1 wall thickness should be in the range of 1.5 cm - 2.0 cm. The RFA should be offered with appropriate mechanism for water leveling.</p>	<p>For wider participation.</p>
<p>Page 47, Para 29</p>	<p>Dosimetry and QA - Water reservoir The weight of the whole assembly can be push or pull through the wheel with polyethylene or equivalent. The lifting carriage should be electromechanical/ elevating screw mechanism that keeps the height absolutely accurate</p>	<p>The lifting carriage should be electrical lift with superior telescopic lift mechanism</p>	<p>No change</p>	

Page 47, Para 29	Dosimetry and QA - Water reservoir The Lifting carriage and Water Reservoir must be imported and directly from the suppliers and must complete with all facilities including TPR and TMR measurements. Completely Integrated Lifting Carriage and Water Reservoir.	Completely integrated lifting carriage and water reservoir is vendor specific. Please amend to read as separate lifting carriage and water reservoir for easy handling	Amended as : Dosimetry and QA - Water reservoir The Lifting carriage and Water Reservoir should be of either separate / Integrated mechanism and should provide the facilities and accessories for TPR and TMR measurements.	For wider participation.
Page 48, Para 29	Dosimetry and QA - Water reservoir A separate electrometer to collect the ions/dose from the chamber/detector should be there The voltage to the chamber should be adjusted in the electrometer in steps of 50 V. The polarity of the chamber should be toggled between +/- . The electrometer should also be able to measure absolute doses for low and high energy photon and electron.	Please amend to read as "An integrated control unit and electrometer A separate electrometer to collect the ions/dose from the chamber/detector should be there the voltage to the chamber should be adjusted in the electrometer in steps of 1 V up to 500V. 50V . The polarity of the chamber could be able to measure absolute doses for low and high energy photon and electron	Amended as : Dosimetry and QA - Water reservoir A separate or integrated electrometer to collect the ions/dose from the chamber/detector should be there The voltage to the chamber should be adjusted in the electrometer in steps of 50 V. The polarity of the chamber should be toggled between +/- . The electrometer should also be able to measure absolute doses for low and high energy photon and electron.	For wider participation.
Page 48, Para 29	Dosimetry and QA - Water reservoir The time constant should allow 10ms measurement times	The time constant should be shorter than 30 Ms	Deleted	Not necessary
Page 48, Para 29	Dosimetry and QA - Water reservoir The control unit should permanently store zero point, reference point and limit points for water phantom, air scanner	air scanner (the phantom itself) and mechanical film reference point and limit points for water phantom i.e., air scanner (the phantom itself) and mechanical film densitometer is supplied separately	No change	

	and mechanical film densitometer separately.			
Page 48, Para 29	Dosimetry and QA - Water reservoir The co-ordinates of the probe should display for all directions, simultaneously on a control pendant.	Please amend to read as The co-ordinates.....simultaneously on a control pendant or software	Amended as : Dosimetry and QA - Water reservoir The co-ordinates of the probe should display for all directions, simultaneously on a control pendant. or software	For wider participation.
Page 48, Para 29	Dosimetry and QA - Water reservoir The control pendant can be attached either to the water tank or to the control unit.	The water phantom can either be controlled via remote control inside the room or from outside via software	Amended as : Dosimetry and QA - Water reservoir The control pendant / water phantom can be attached either to the water tank or to the control unit. Or via remote control inside the room or from outside via software	For wider participation.
Page 50, Para 29	ARRAY DETECTOR One Array device must be based on ion chamber array resulting in an effective measuring field of 27 cm x 27 cm and giving the facility to use with slab phantom for measurements. The chamber must be vented plane-parallel square shaped ion chambers with 5mmx5mmx5mm size and centre to centre spacing must be 10mm.	One Array device must be based on ion chamber array resulting in an effective measuring of 24.5cm x 24.5 27cm x 27cm or above and giving the facility to use with slab phantom for measurements. The chamber must be vented plane parallel shaped Cylindrical ion chambers with at least 4mm diameter size and center to center spacing must be at least 8 mm or less	Amended as: ARRAY DETECTOR One Array device must be based on ion chamber array resulting in an effective measuring field of 24.5 cm x 24.5 cm or above and giving the facility to use with slab phantom for measurements. The chamber must be vented plane parallel shaped square with minimum of 5mm x 5mm or Cylindrical ion chambers with at least 4mm diameter size and center to center spacing must be at least 8 mm.	For wider participation.
Page 50, Para 29	ARRAY DETECTOR Cylindrical & Rotational Phantom with inclinometer, lifting trolley & complete drive assembly with related software module for	The system should be able to mount on Linac gantry and free from any angular dependencies. The software must have an high accuracy detector model to increase the resolution of measurement array to	Amended as : ARRAY DETECTOR Square or Cylindrical / Rotational Phantom with , lifting trolley & complete drive assembly with related software module for VMAT	For wider participation.

	VMAT dynamic IMRT techniques. There should be a slot & provision to insert the 2D Ion Detector Array System into the Rotational Phantom for taking synchronous measurements with the Linac Gantry Rotation. The detector should always be perpendicular to the beam & thus removing the angular dependence.	equivalent of TPS grid resolution. The dose calculation must be directly in real patient CT. CT overlay on phantom calculation is not accepted. The detector must have 1000 or more ion chambers. The detector must have an internal thermometer and barometer.	dynamic IMRT with FFF techniques. There should be a slot & provision to insert the 2D Ion Detector Array System into the Square or Rotational Phantom for taking synchronous measurements with the Linac Gantry Rotation. The detector should always be perpendicular to the beam & thus removing the angular dependence.	
Page 50, Para 29	ARRAY DETECTOR The software should have the functionality like 3D volume analysis and CT overlay	A 3D DVH comparison should be possible with DVH calculated in the real patient CT	Amended as : ARRAY DETECTOR The software should have the functionality like 3D volume analysis and CT overlay or 3D DVH comparison should be possible with DVH calculated in the real patient CT	For wider participation.
Page 50, Para 29	ARRAY DETECTOR One additional Array Device with 900 or above liquid filled ionization chamber for patient plane verification & quality control of small fields. Detector spacing should be 2.5mm & the maximum fit size should be above 10x10 cm & below 12 x 12cm essentially for use with Small field dosimetry. The Array device should also be usable for Stereotaxy work This Array device should be usable with the	Vendor specific. Hence, to be made optional OR One additional system with capability of doing SRS/SRT QA and directly calculating dose in Patient CT with TPS class algorithm should be provided. The device should be able to measure non-coplanar fields and it should have high resolution detector model to measure both small fields for SRS/SRT and large fields up to 32 cm x32 cm for IMRT/VMAT OR one additional Array Device chamber for patient plan verification. Detector spacing should be 2.5mm & the maximum field size should be above 10 x 10 cm & below 12	Deleted	Based on the cost consideration

	Cylindrical & Rotational Phantom	x 12cm essentially for use with small field dosimetry. This Array device should also be usable for SRS and SRT QA. This Array device should be usable with the Cylindrical & Rotational Phantom. This system to be used for SRS/SRT should also be usable for IMRT/VMAT plans and must have 3D gamma analysis, DVH and statistical analysis capabilities.		
Page 51, Para 26	26. Immobilization devices 3 set Universal treatment base plate (AIO) Made of Carbon Fiber Immobilization devices having a total solution to treat Pediatrics to Adult, Head and Head & Neck Breast, Thorax, Abdomen, Pelvic with facility to make custom made Supine and prone head rest for Individual Patients to maintain an accuracy of less than 2mm. along with appropriate thermo Sheets 200 no.s: 40 for head, 40 H&N, 40 for breast, 40 for thorax, 40 for abdomen and pelvic.	Please amend to read as: "3 set Universal treatment base plate (AIO)/ Separate Boards Made of Carbon Fiber Immobilization devices having a total solution to treat Pediatrics to Adult, Head and Head & Neck Breast, Thorax, Abdomen, Pelvic with facility to make custom made Supine and prone head rest for Individual Patients to maintain an accuracy of less than 2mm. along with appropriate thermo Sheets 200 no.s: 40 for head, 40 H&N, 40 for breast, 40 for thorax, 40 for abdomen and pelvic.	Amended as : 26. Immobilization devices 3 set Universal treatment base plate (AIO) / Separate Boards Made of Carbon Fiber Immobilization devices having a total solution to treat Pediatrics to Adult, Head and Head & Neck Breast, Thorax, Abdomen, Pelvic with facility to make custom made Supine and prone head rest for Individual Patients to maintain an accuracy of less than 2mm. along with appropriate thermo Sheets 200 no.s: 40 for head, 40 H&N, 40 for breast, 40 for thorax, 40 for abdomen and pelvic.	For wider participation.
Page 52, Para 5.2	SITE - MODIFICATION 2. Tenderers are advised to acquaint themselves with access to site, location of work, local labor problems and any other matter relating to availability and carriage of	Please clarify IG procedure for GRIHA requirement?	No change	

	construction materials. Adopting standard operation/ incorporating IG procedure for GRIHA requirement during construction/ post construction			
Page 52, Para 5.5	5. The scope of work as per regulatory guidelines will be provided and finalised by HLL.	Please provide detailed BOQ for each site.	No change	
Page 52, Para 5.8.b	SITE - MODIFICATION 8. b) Adequate Radiation shielding as per AERB norms	We understand that construction of bunker shell would be provided by respective institute. Hence, please clarify the type of additional shielding required?	No change	
Page 52, Para 5.10	SITE - MODIFICATION 10. Bidders have to quote the Unit Rates of the following components of Site - Modification work and detailed BOQ should be mentioned	<ul style="list-style-type: none"> • whether turnkey coslmg would be considered for L1 calculation • If yes, then how unit rate would be compared with the competitive bids In the HDR section, this has been explicitly clarified. Does this stand for the HE as well?	Clarified as : Point 1 : Please refer to Para 9 under Site Modification (page 52) specifies as below: "The cost of Site - Modification work for the area measuring 220m2 and Air-conditioning of 27 TR capacity will be considered for Ranking / Evaluation purpose." Point 2 : Please refer para under "Scope of work for Site - Modification work :" (Page 53) specifies the need for unit rate for site modification as below : "The actual area of Site - Modification work done will be considered for payment, based on the site measurements and the unit rate quoted by the bidder."	
Page 53, Para 5.a.1	a) Flooring 1. 600 x 600 mm vitrified tiles with 100mm tile skirting to match in LINAC room , control room, lobby	Please provide base rate of tiles to establish uniformity in the quotes.	No change	

	and patient preparation areas, Consultant's room, TPS room etc.			
Page 55, Para 1	ELECTRICAL WORK 1. The supplier shall be required to specify the total load requirements for the LINAC centre including the load of air conditioning , room lighting and for the accessories if any. The supply line will be provided by the Institute up to one point within the LINAC centre. The mains panel & distribution panel should be provided by the supplier. Few lights in each room shall be connected to the UPS to provide emergency lighting	We request UPS for general purpose other than machine to be provided by the respective institute	No change	
Page 56, Para	AIR CONDITIONING:	Whether winter heating is to be considered for locations such as Jammu?	Clarified as : Scope of work for site modification specifies HVAC, which includes Heating also.	
Page 56, Para	FIRE SAFETY MEASURE:	Please clarify whether addressable or conventional type to be considered?	Clarified as : As per technical specification.	
Page 57, Para	List of Makes	Please specify makes for networking and Fire safety works.	Clarified as : As per technical specification.	
Page 57, Para	The following items to be quoted as OPTIONAL (price to be quoted separately) 1. Closed circuit cameras of reputed company should be provided in the examination room,	Whether NVR, display monitor, containment cables and associated accessories are to be considered?	Amended as : The following items to be quoted as OPTIONAL (price to be quoted separately) 1. Closed circuit camera system (including NVR, display monitor, containment cables and	For better clarity of specification and scope of supply.

	console room, linear accelerator and waiting areas.		associated accessories) of reputed company should be provided in the examination room, console room, linear accelerator and waiting areas.	
Page 58 Clause no H	UPTIME GUARANTEE (95 %) / PENALTY CLAUSE: Penalty Calculation will be as under: 1. 365 days a year, 24 hours a day, 7 days a week. 2. For the whole system: INR 50,000 per day 3. Penalty will be calculated 6 hours after telephonic/ SMS/ Email information to the vendor.	We request you to kindly remove penalty clause of Rs 50,000/- per day as it is already agreed and mentioned on page no 99 under General Technical Specifications; under warranty that vendor will increase the warranty by double the no of days for, which equipment is down, if down time exceeds permissible 5%. Also, Penalty clause should be counted afier 24 hrs. instead of 6 hrs.	No change	
Page 59, Para N	Software and Hardware Five Years warranty of all software and hardware and networking and software service agreement till ten years. All software and hardware update should be free of cost for the purchased functions during warranty & CMC period .There shall be PC hardware & software upgrade done in 4th and 8th year respectively	This warranty term is not comparable between the vendors. A brief comparison of version and feature upgrades released by Varian vs competition will determine that the frequency of release of the upgrades are different between companies. Hardware refresh would mean that associated software would also need to be uplifted for compatibility and therefore will mean complete upgrade. Since the quantum of upgrades are not comparable between bidders, we request you to term this optional, so that a choice can be made on upgradeability post determination of 'L1' bidder.	No change	
NA	NA	General Points: 1) Please provide CAD layout of Bunker along with all support rooms	Clarified as : Please refer to para 1 & 2 under Site Modification (page 52) as specified	

		<p>2) Please share the details of permanent power load and DG availability for machine and supports</p> <p>3) What is the process of rate approval of any extra items if required during the project?</p> <p>4) Hospital must provide construction water and power supply at point of use (at site) free of cost.</p>	<p>below :</p> <p>1. The prospective bidders shall inspect the proposed site for ADVANCED HIGH ENERGY LINAC before submission of tender.</p> <p>2. Tenderers are advised to acquaint themselves with access to site, location of work, local labor problems and any other matter relating to availability and carriage of construction materials. Adopting standard operation/ incorporating IG procedure for GRIHA requirement during construction/ post construction.</p>	
Page 55, Para 2.e	<p>THE ELECTRICAL WORKS:</p> <p>2 e. General lights – Mirror optical type 1X28 W or 2X28 W/CFL fittings 2X36, 3X36 W with electronic ballasts</p>	<p>For HE, the requirement states CFL light fixtures whereas for HDR it is LED. Please confirm.</p>	<p>Amended as :</p> <p>THE ELECTRICAL WORKS:</p> <p>2.e General lights – Ceiling mounted LED lighting panels, recessed 600 x 600mm, should be provided. Light dimming facility should be provided wherever it is necessary</p>	<p>For better clarity of specification and scope of supply.</p>

Item no 02. HDR BRACHYTHERAPY (Tender ID: 2021_HLL_88075_2)				
Tender Page & Para	TENDER SPECIFICATION	REPRESENTATION RECEIVED FROM THE FIRMS	COMMITTEE RECOMMENDATION	JUSTIFICATION
Page 59, Para 1.1	The system should be capable for the treatment of intracavitary, intraluminal, interstitial and surface mould brachytherapy	This point is not clear. Please clarify further.	No change	
Page 59, Para 1.10	The Source head should have adequate shielding. The distance from the couch to the head should be adjustable	Please amend to “The Source head should have adequate shielding. The distance from the couch to the head should be adjustable/ fixed	Amended as: The Source head should have adequate shielding. The distance from the couch to the head should be adjustable / fixed	For wider participation

		Remarks: Flexitron HDR has an improved Ergonomics which does not require any height adjustment and can treat all kind of cases with its fixed length of transfer tubes		
Page 59, Para 2.1	The system should use radioactive sources of Ir-192	The system should use radioactive Sources Iridium - 192 /Cobalt-60	<p>Amended as : The system should use radioactive Sources Iridium -192 / Cobalt-60</p> <p>Added Para : The successful bidder in case if they have the Cobalt-60 based HDR Brachytherapy System, bunker modification and extra shielding for the bunker (if required) will be the responsibility of the supplier. (This is apart from already specified Scope of Work for Site Modification)</p> <p>The bunker modification cost and cost for extra shielding (if required) will also be considered for L1 calculation.</p>	<ol style="list-style-type: none"> 1. For wider participation 2. Cost effective and 3. Uninterrupted clinical applications.
Page 59, Para 2.2	source strength should be of at least 10Ci Ir-192	The source strength should be of at least 10Ci Ir-192 and 2 Ci for Co-60	<p>Amended as : The source strength should be of at least 10Ci Ir-192 or 2 Ci for Co-60</p>	<ol style="list-style-type: none"> 1. For wider participation 2. Cost effective and 3. Uninterrupted clinical applications.
Page 59, Para 3.1	Stand alone and independent PC based control unit should be provided with flat panel 21" or larger plasma color monitor, keyboard, mouse build in audio card, network card, backup media, printer etc and direct link with 3D-TPS to be supplied.	Should be from 19" onwards	<p>Amended as: Stand alone and independent PC based control unit should be provided with flat panel 19" or larger plasma color monitor, keyboard, mouse build in audio card, network card, backup media, printer etc and direct link with 3D-TPS to be supplied.</p>	For wider participation
Page 60,	The Networking (on-	Point to be clarified as - who	Amended as:	For better clarity of

Para 4.8	line) between HDR treatment unit and TPS should be provided and it should be connected with CT machine and simulator and other imaging modalities	will provide the infrastructure ? Vendor or, the customer ? Please clarify	The Networking (on-line) between HDR treatment unit and TPS should be provided and it should be connected with CT machine and simulator and other imaging modalities Added Para : The Networking (on-line) between HDR treatment unit and TPS is the responsibility of HDR Brachytherapy vendor.	scope of work.
Page 60, Para 4.10	The system should have at least 21" TFT LCD Screen with high resolution for good visualization	Should be from 19" onwards	Amended as: The system should have at least 19" TFT LCD Screen with high resolution for good visualization	For wider participation
Page 60, Para 4.13	The vendor should provide advanced model-based dose calculation algorithm for in homogeneity correction in dose calculation as per the AAPM TG-186 recommendations	The vendor should provide advanced model-based dose calculation algorithm for inhomogeneity correction in dose calculation as per the AAPM TG-186/ TG43	Amended as: The vendor should provide advanced model-based dose calculation algorithm for in homogeneity correction in dose calculation as per the AAPM TG-186 / TG43 recommendations	For wider participation
Page 60, Para 5.2	Gynaecological applicator Fletcher-Suit type – 6 sets	Need to clarify which FSD, Flexible or Fixed and whether Titanium or Stainless Steel	Amended as : Gynaecological conventional applicator Fletcher-Suit type – 6 sets	For better clarity of specification.
Page 60, Para 5.3	Gynaecological application templates -4 set (4 sets Syed-Neblet OR 4 Sets of MUPIT with all required accessories)	We don't have either but have Kelowna and Crook instead.	Amended as: Gynaecological application templates -4 set (4 sets Syed-Neblet OR 4 Sets of MUPIT with all required accessories) OR Equivalent	For wider participation
Page 60, Para 5.4	CT / MRI compatible gynaecological Fletcher-Suit type applicators – 2 sets	FSD's are asked once again, Please clarify	Amended as : CT / MRI compatible gynaecological applicators made up of	For better clarity of specification.

			either Carbon Fibre or Titanium– 2 sets	
Page 61, Para 5.8	Intrabronchial Applicators (reusable)– 4 sets	Kindly amend to Intrabronchial Applicators (disposal) Remarks: Our bronchial Applicator contains 5F single use Catheter it cannot be reused.	Amended as: Intrabronchial Applicators : Either reusable type– 5 sets or disposable type of 10 sets	For wider participation
Page 61, Para 5.10	All kinds of x-ray dummy markers (two sets) for the applicators supplied (wherever relevant). Interstitial implant plastic tubes – total 1000 numbers and Interstitial implant plastic needles- 50 numbers each (20 G & 12 G) and interstitial implant stainless steel applicators-20 numbers.	Please clarify : a) Interstitial implant plastic needles- 50 numbers each (20 G & 12 G)- please mention the length required for the plastic needles. b) interstitial implant stainless steel applicators-20 numbers. Please mention the lengths of each needle and total number of needles required for each length. Remarks: We have 6F plastic needles with following lengths - 200mm , 240mm and 294mm. Interstitial implant stainless steel applicators we have 80,100,120,140,160,180 and 200mm lengths available Gauge asked is not available. We do not have 20 G or 12 G. In plastic, we have 2 mm diameter. Hence, we suggest to amend.	Amended as: All kinds of x-ray dummy markers (two sets) for the applicators supplied (wherever relevant). Interstitial implant plastic tubes – total 1000 numbers and Interstitial implant plastic needles- 50 numbers each (20 G & 12 G) or 2mm diameter - 100 nos and also vendor should provide interstitial implant stainless steel applicators-20 numbers.	For wider participation and better clarity of specification.
Page 61, Para 5.11	Provide the catalogues of the all the applicators. All the guide-tubes must be functional for 5 years	Kindly amend to “All the guide-tubes must be functional for 2 years”. Remarks: Minimum Life expectancy of Transfer tubes is 2 years as per our manufacturing team.	No change	
Page 61, Para 5.12	Vendor should provide extra two sets of transfer tubes for Gynecological applicator Fletcher-Suit type	Kindly clarify : Vendor should provide extra two sets of transfer tubes for Gynecological applicator Fletcher-Suit type. Do we have to supply total 3 sets of transfer tubes (one with main	Clarified as : The vendor has to supply total 3 sets of transfer tubes (one with main config and 2 sets extra) for both standard fletcher and also for CTMR	

		config and 2 sets extra) for both standard fletcher and also for CTMR fletcher	fletcher	
Page 61, Para 6.4	Source position simulator and source check ruler	We do not have. We can quote Permamac	Amended as : Source position simulator and source check ruler or equivalent	For wider participation
Page 61, Para 7.2	Five years warranty to be commenced from first patient treated as per AERB norms	We, hereby, request the same to be changed to "AERB commissioning approval". As Suppliers, we will have no control on patient treatment to begin	No change	
Page 61, Para 7.3	CMC year-wise for quoted machines, UPS, Battery and other accessories for next 5 years after warranty	Kindly change to CMC year-wise for quoted machines, for next 5 years after warranty Remarks:UPS, Battery and accessories are not covered under CAMC	No change	
Page 61, Para 7.5	Source: (i) minimum 10 sources (Ir-192 source) should be offered for 5 years period (one source in every four months interval or as and when required) to maintain HDR treatment delivery. The 10 sources' cost should be quoted separately and this will be considered for L1 calculation. Loading of new source and unloading of the decayed source, source transportation, source export and disposal will be part of the offer.	Should be changed to 6 months instead of 4 months, other wise 10 sources won't be enough for 5 years period Source: (i) minimum 15 sources (Ir-192 source) should be offered for 5 years period (one source in every four months interval or as and when required) to maintain HDR treatment delivery. OR 1 Source of Co-60 should be offered for 5 years period. The 15 sources of Ir-192 or 1 Source of Co-60 Source should be quoted separately and this will be considered for L1 calculation. Loading of new source and unloading of the decayed source, source transportation, source export and disposal will be part of the offer NOTE: The Ir-192 Source will not be in HDR mode in the 5th & 6th month of the	Amended as: Source: (i) minimum 10 sources of Ir-192 source or one source of Co-60 should be offered for 5 years period (one source in every four months interval or as and when required) to maintain HDR treatment delivery. The 10 sources' of Ir-192 source or one source of Co-60 cost should be quoted separately and this will be considered for L1 calculation. Loading of new source and unloading of the decayed source, source transportation, source export and disposal will be part of the offer.	For better clarity of specification and wider participation.

		treatment period. rather it will be MDR, which will not give justice to the poor cancer patient who will be treated in MDR mode of treatment at the place of HDR treatment. Such type of injustice is not expected from a novel Govt. Agencies		
Page 57, Para 1	Scope of Work for Site Modification: General Requirements (The site plan is attached herewith as Annexure I).	Annexure I is not received with this document.	Amended as : Scope of Work for Site Modification: General Requirements	
Page 57, Para 2	The cost of the site modification work should be quoted separately and this cost will be considered for L1 calculation.	As per prebid discussion	Amended as: The cost of the site modification work for 500 sq Feet should be quoted separately and this cost will be considered for L1 calculation.	For better clarity in specification & scope of site modification work
Page 57, Para 7	Rate quoted for Site modification work, Furniture like desks, chairs, shelves etc; and the price quoted for 7 TR HVAC is included for L1 calculation of the bids.	As per prebid discussion	Amended as: Rate quoted for Site modification work (500 sq Feet), Furniture like desks, chairs, shelves etc; and the price quoted for 7 TR HVAC is included for L1 calculation of the bids.	For better clarity in specification & scope of site modification work
Page 63, Para 6	THE ELECTRICAL WORKS: General lights – Ceiling mounted LED lighting panels, recessed 600 x 600mm, should be provided. Light dimming facility should be provided wherever it is necessary	For HE, the requirement states CFL light fixtures whereas for HDR it is LED. Please confirm.	Clarified as : HE technical specification amended accordingly.	
Page 64, Para	LIST OF ITEMS AND SUGGESTED MANUFACTURERS	For works such as tiles, painting etc, we assume that those mentioned in the HE part are to be considered. Please confirm.	Clarified as : Please refer "LIST OF ITEMS AND SUGGESTED MANUFACTURERS" at page no.64	
NA	NA	General Points:	Clarified as :	

		<p>1) Please provide CAD layout of Bunker along with all support rooms</p> <p>2) Please share the details of permanent power load and DG availability for machine and supports</p> <p>3) What is the process of rate approval of any extra items if required during the project?</p> <p>4) Hospital must provide construction water and power supply at point of use (at site) free of cost.</p>	<p>Please refer to "Scope of Work for Site Modification:" under "General Requirements" (Page 62)</p>	
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Item no 03. CT Simulator System-16 Slice (Tender ID: 2021_HLL_88075_3)				
Tender Page & Para	TENDER SPECIFICATION	REPRESENTATION RECEIVED FROM THE FIRMS	COMMITTEE RECOMMENDATION	JUSTIFICATION
Page 64, Para	The CT scanner should be of spiral multi-slice, large-bore at least 16 slices per rotation model which should be capable of 4DCT acquisition. It should also be capable of integrating with standard networking and PACS systems available in the hospital. The offered equipment should have the following technical features.	<p>The CT scanner should be of spiral multi-slice, large-bore at least 16 slices or more per rotation model which should be capable of 4DCT acquisition</p> <p>Justification: Higher image slice acquisition are recommended for improving image resolution and ensuring contouring accuracy.</p>	<p>Amended as: The CT scanner should be of spiral multi-slice, large-bore 16 slices or more per rotation model which should be capable of 4DCT acquisition. It should also be capable of integrating with standard networking and PACS systems available in the hospital. The offered equipment should have the following technical features.</p>	For better clarity in specification.
Page 64, Para 1.1	The system should be of latest slip-ring technology allowing acquisition of 16 slices per rotation with true isotropic volume acquisition and sub millimetre resolution of an at least 0.4mm	<p>The system should be of latest slip-ring technology allowing acquisition of 16 slices or more per rotation with true isotropic volume acquisition and sub millimetre resolution of an at least 0.4mm.</p> <p>Justification: Higher image slice acquisition are recommended for improving image resolution and ensuring contouring accuracy</p>	<p>Amended as: The system should be of latest slip-ring technology allowing acquisition of 16 slices or more per rotation with true isotropic volume acquisition and sub millimetre resolution of an at least 0.4mm</p>	For wider participation.
Page 64,	High frequency x-ray	High frequency x-ray	Amended as:	For wider

Para 2.1	generator with an output of at least 80 KW or more to support continuous and sustained operation. Please give details	generator with an output of at least 75 KW or more to support continuous and sustained operation. Please give details Justification:Request you to kindly amend for broader participation	High frequency x-ray generator with an output of 75 KW or more to support continuous and sustained operation. Please give details	participation.
		High frequency x-ray generator with an output of at least 100 KW or more to support continuous and sustained operation. Please give details.		
Page 64, Para 3.1	Tube current: 30- 600mA or more. The mA rating at peak generator power must be mention	Tube current: 30- 800mA or more. The mA rating at peak generator power must be mention.	No Change	
Page 64, Para 3.4	X-ray Tube: The x-ray tube should have anode heat storage capacity of 8 MHU or more or direct cooling	X-ray Tube: The x-ray tube should have anode heat storage capacity of 6 MHU or more or direct cooling. Justification:Request you to kindly change to facilitate us to participate with the latest model.	Amended as : X-ray Tube: The x-ray tube should have anode heat storage capacity of 6 MHU or more	For wider participation.
Page 65, Para 4.2	Gantry tilt should be at least ± 30 degree	Request you to kindly delete this. Justification:Request you to kindly remove this as Gantry tilt is not required in RT imaging. This may introduce inaccuracies while positioning the patient for the RT scans.	Deleted	Not necessary
Page 65, Para 5.3	Table should have the metal-free scan range should be at least 150 cm.	Please specify the horizontal scan range. Adherence to IEC 60601 guidelines will be preferred Justification:Each vendor has their unique specification w.r.t table dimensions & movement	Amended as : Table should have the metal-free scan. Please specify horizontal travel range of offered system.	For wider participation.

		range		
Page 65, Para 5.4	Horizontal accuracy should be ± 0.50 mm or less	Horizontal accuracy should be ± 1 mm or less Justification: Each vendor has their unique specification w.r.t table dimensions & movement range	Amended as : Horizontal accuracy should be ± 1 mm or less	For wider participation.
Page 65, Para 5.7	The table should have total free floating facility	<Request you to kindly delete this > Justification: Total free floating table facility is a feature of an angiographic table. It is not applicable for CT Simulator system. The table should have in/out facility	Deleted	Not necessary
Page 65, Para 5.8	All patients positioning accessories including tilt should have control both from gantry and control console	<Request you to kindly delete this > Justification: Patient positioning accessories are to be physically arranged as per the comfort of the patient. Hence, it cannot be controlled from console.	Deleted	Not necessary
Page 65, Para 6.5	Gapless spiral length should be 150cm or more	Please specify Gapless spiral length Justification: Each vendor has their unique specification w.r.t table gapless spiral length and cannot be standardized across all the vendors	Amended as: Please specify Gapless spiral length of offered system	For wider participation.
Page 65, Para 6.6	Specify single continuous spiral-on-time should be minimum 100 seconds or more.	Specify single continuous spiral-on-time should be minimum 200 seconds or more. Justification: Higher single continuous spiral on-time is highly recommended for 4D CT acquisition to ensure raw data acquisition for lung-CA	No Change	

		patients is not compromised		
Page 65, Para 6.10	Prospective and Retrospective respiratory compensated/gated CT to generate 4D datasets must be compatible with all commercially available hardware and software for motion management to localize the tumour in motion. Specify the details	Prospective and Retrospective respiratory compensated/gated CT to generate 4D datasets must be compatible with all commercially available hardware and software for motion management to localize the tumour in motion. Specify the details. Justification: We do not have the Prospective Gating CT acquisition in our system.	Amended as: Retrospective and / or Prospective respiratory compensated/gated CT to generate 4D datasets must be compatible with all commercially available hardware and software for motion management to localize the tumour in motion. Specify the details	For wider participation.
Page 66, Para 10.1	High Contrast Spatial Resolution: It should be 15 lines pair per cm or better (for 50 cm FOV) maximum at 0% MTF Clearly specify the phantom used, scan time, mA, filter for image reconstruction, scan field, dose and MTF.	High Contrast Spatial Resolution: Specify the high contrast resolution. Clearly specify the phantom used, scan time, mA, filter for image reconstruction, scan field, dose and MTF Justification: Our High Contrast Spatial Resolution: is specified at 2% MTF value, thus we will not be able to provide values at 0% MTF	Amended as: High Contrast Spatial Resolution: Specify the high contrast resolution. Clearly specify the phantom used, scan time, mA, filter for image reconstruction, scan field, dose and MTF	For wider participation.
Page 67, Para 13.7	A client-server based advanced visualization solution with minimum 20,000 concurrent slices capacity and minimum 2.5 TB storage capacity provided on the server	One no. of CT Stimulation Workstation based on client-server architecture must be provided in addition to the CT acquisition workstation. Justification: The CT Simulator will be installed in the RT Dept. along with the TPS system of the Linac. Thus, two nos. of workstations will be practically not utilized in the routine clinical workflow of the department.	No Change	

		A client-server based advanced visualization solution with minimum 60,000 concurrent slices/slice rendering capacity and minimum 2.5 TB storage capacity provided on the server.		
Page 67, Para 13.7	Two no.s of CT simulation workstations must be provided in addition to the CT workstation	Four no.s of CT simulation workstations with 4 nos of concurrence licences must be provided in addition to the CT workstation.	Amended as: One number of CT simulation workstation must be provided in addition to the CT workstation (Unit Price to be quoted separately)	For cost consideration
Page 67, Para 16.1	If should support extensive beam shapers (shielding blocks etc.) and beam definition methods	If should support extensive beam shapers (shielding blocks etc.) and beam definition methods Justification: We do not support shielding blocks	Amended as: If should support extensive beam shapers and beam definition methods	For wider participation.
Page 67, Para 16.3	Beam shaping should be possible in multiple ways like automatic shielding block , definition conforming to selected volume, definitions aperture or shielding manual free hand definition, automatic collimator jaw or multi leaf position definition	Beam shaping should be possible in multiple ways like automatic shielding block , definition conforming to selected volume, definitions aperture or shielding manual free hand definition, automatic collimator jaw or multi leaf position definition Justification: We do not support shielding blocks.	Amended as: Beam shaping should be possible in multiple ways like definition conforming to selected volume, definitions aperture or shielding manual free hand definition, automatic collimator jaw or multi leaf position definition	For wider participation.
	Part III: Scope of Incidental Services, Pg. No. 41 Five (5) persons each from each medical college/ institution needs to be trained for MOT. Technical Specs, Pg. 68 The vendor should provide comprehensive training on CT-Simulator in a well advanced center	The training clause with different terms is mentioned at multiple places in the tender document. Please clarify Justification: As per the understanding the clause mentioned in the Technical specifications (Pg. No.68) will supersede the clauses mentioned	Clarified as : <i>The clause mentioned in the Technical specifications (Pg. No.68) will supersede the clauses mentioned anywhere else in the tender document.</i>	

	<p>in the country where the system is in clinical use , for two persons (one for Radiation Oncologist, one for Medical Physicist). The training period should be at least for One week. On-site Application training should be provided for minimum two weeks for all staff members in the department. General Technical Specifications, Pg. 73 The company shall be required to train the institute personnel onsite for a minimum period of 1 month</p>	<p>anywhere else in the tender document. Please confirm the same.</p>		
<p>Page 69, Para 23.11.iii</p>	<p>Scope of Work for Site Modification: All the internal wiring including that of telephone, LAN, DICOM & PACS etc) will be concealed variety</p>	<p>Earthing: 4 Nos. of Earthing shall be provided with copper plate for the CT SIMULATOR and all accessories like UPS. 2 Nos. of earthing for the AC should also be done by the suppliers. The earthing cable/wire shall be routed end-to-end through an insulated conduit</p> <p>Justification: Kindly amend the clause for quantification and clarification to ascertain the cost</p>	<p>No Change</p>	
<p>Page 70, Para 23.12.iii</p>	<p>Scope of Work for Site Modification: Stand-alone Room Dehumidifiers of adequate capacity for CT SIMULATOR Room, Console Room and TPS Room to be provided to ensure condensation-free atmosphere for the high value equipment</p>	<p>Stand-alone 3 nos. Room Dehumidifiers of 30 ltrs per day capacity for CT SIMULATOR Room, Console Room and TPS Room to be provided to ensure condensation free atmosphere for the high value equipment</p> <p>Justification:Kindly amend</p>	<p>No Change</p>	

		<p>the clause for clarification and to ascertain the cost</p> <p>Stand-alone Room Dehumidifiers of adequate capacity for CT SIMULATOR Room & Console Room to be provided to ensure condensation-free atmosphere for the high value equipment.</p> <p>TPS dehumidifier will be provided by Linac vendor as per requirement</p>		
Page 70, Para 23.14.iii	50 mm thick cement concrete flooring with 3 mm Vinyl flooring in UPS Room / CT Equipment Room	<p>50 mm thick cement concrete flooring with 2 mm Vinyl flooring in UPS Room / CT Equipment Room</p> <p>Justification: Kindly amend the clause, as 3mm Vinyl flooring does not available readily in market and to ascertain the cost.</p>	No Change	
		<p>50 mm thick cement concrete flooring with 2 mm Vinyl flooring in UPS Room / CT Equipment Room..</p> <p>2 mm vinyl is readily available of hospital grade.</p>		
Page 70, Para 23.16.i	Acoustical tile for ceiling with light weight insulating material of high quality supported on grid or finished seamless with support above ceiling. To be finished with white paint or powder coated with white paint, if metallic. The false ceiling panels should be of reputed brands	Acoustical tile of 600 *600mm for false ceiling with light weight insulating material of high quality supported on grid or finished seamless with support above ceiling. To be finished with white paint or powder coated with white paint, if metallic. The false ceiling panels should be of reputed brands	No Change	

		Justification: Kindly amend the clause for clarification and to ascertain the cost		
Page 70, Para 23.17.i	The CT SIMULATOR room shall be provided with wall-mounted storage cupboards within CT SIMULATOR room; to store: Phantoms, QA Items, CT SIMULATOR accessories	The CT SIMULATOR room shall be provided with wall-mounted storage cupboards of size : 1800* 300* 450mm within CT SIMULATOR room; to store: Phantoms, QA Items, CT SIMULATOR accessories Justification: Kindly amend the clause for clarification and to ascertain the cost To be deleted. This is repetition of the CI 23.17.iii pg no 71 of 116	No Change	
Page 70, Para 23.17.ii	Sufficient number of Open Racks of high Quality vendors should be provided to house the immobilization materials; within CT SIMULATOR room	3 numbers of customized Open Racks of size 1800*1200*300 should be provided to house the immobilization Materials, within CT SIMULATOR room Justification: Kindly specify the quantity and size of racks to ascertain the cost and clarification. 2 number of Open Racks (4ft x 3ftw) of high Quality vendors should be provided to house the immobilization materials; within CT SIMULATOR room. The quantity need to be specified for identifying the quantity of open racks to be provided by supplier.	No Change	
Page 71, Para 23.17.iii	The CONSOLE room shall be provided with Wall mounted Storage cupboards with MDF	The CONSOLE room shall be provided with Wall mounted Storage cupboards (2 nos) with	No Change	

	laminated shutters; to be fixed on the wall above the workstation (approx 1800mm length; 750 mm height; 300 mm depth).	MDF laminated shutters; to be fixed on the wall above the workstation (approx 1800mm length; 750 mm height; 300 mm depth). The quantity need to be specified for identifying the quantity of Cupboards to be provided by supplier.		
Page 71, Para 23.17.iv	Fire detection system – Comprising of fire panel, smoke / heat detectors	Addressable fire detection system comprising of Smoke / heat detectors integrated in the ceiling and fire panel will be provided & connected to the nearest fire control panel of the hospital. Justification : Kindly amend the clause as its necessity for the safety of equipment, clarification and to ascertain the cost	Amended as : Para 23.17.iv : FIRE SAFETY MEASURE: 1. A fire alarm system of reputed make with smoke/ heat detectors, indicator panels, call boxes, electronic sirens and wiring will be installed. Audio call bell system with intercom & remote locking /unlocking facility to be provided at the main door of the complex. 2. Supplying, Installing Dry chemical power type fire extinguisher of 5kgs capacity, with initial filling in brand new cylinder with powder coated finish, fitted with Gun metal union, high pressure CO2 gas cartridge, discharge hose, wall mounting bracket etc. complete, confirming to IS:2171 of approved make & complete as directed by EIC.	For better clarity in specification and scope of supply.
Page 71, Para 23.18.ii	Workstation/Tables for Console room & TPS room: The Console room and TPS room should be provided with suitable workstations of reputed brand, to accommodate the various Terminals in Console Room, TPS	Workstation/Tables for Console room & TPS room: The Console room and TPS room should be provided with 2 nos. of fabricated workstations/ tables of size 1500*800* 750mm to accommodate the various Terminals in	No Change	

	<p>Room. The Workstations shall be provided with enough power sockets, LAN sockets etc. to enable smooth functioning of the CT SIMULATOR and TPS.</p>	<p>Console Room, TPS Room. The Workstations shall be provided with enough power sockets, LAN sockets etc. to enable smooth functioning of the CT SIMULATOR and TPS. Signage: 1 set for the site Plastic Dustbins- 10 nos</p> <p>Justification: Kindly amend the clause for clarification and to ascertain the cost</p>		
<p>Page 71, Para 23.19.a.i</p>	<p>CABLES - Gloster, Universal, Polycab</p>	<p>Workstation/Tables for Console room & TPS room: The Console room and TPS room should be provided with suitable workstations of reputed brand, to accommodate the various Terminals in Console Room, TPS Room. The Workstations shall be provided with enough power sockets, LAN sockets etc. to enable smooth functioning of the CT SIMULATOR and TPS.</p> <p>TPS room will be in scope of LINIAC as it is the requirement of the LINIAC supplier. CT Sim vendor will provide LAN connectivity cat 6 cable till the PASC system supplied by Linac vendor for tranfering the image form CT Sim.</p> <p>CABLES - Gloster, Universal, Polycab, Havells.</p> <p>Same make were metioned existing in other HITES tenders</p>	<p>Amended as : CABLES - Gloster, Universal, Polycab, Havells.</p>	<p>For wider participation.</p>

Page 71, Para 23.19.c	FURNITURE -Hermen Miller, Godrej, Featherlite, Wipro	FURNITURE -Hermen Miller, Godrej, Featherlite, Wipro, Geeken. Same make were mentioned existing in other HITES tenders.	No Change	
NA	NA	To be added: Tile Makes: Kajaria, SOMANY, JOHNSON or eq. Paint Makes: ICI, ASIAN or eq	No Change	
		As per prebid discussion	Added Para: Epabx Switch to be provided by the vendor.	
		As per prebid discussion	Added Para: The following to be provided : a. Laser check tool:- QA tool to verify iso- centre matching with laser system b. Contrast Injector c. Optional items :- 1.Portal Dosimetry for quick treatment verification for complex treatment. 2. 4D Gating with breath hold treatment option 3.6D Couch	

Note:

- I. Prospective Bidders are also advised to check the website regularly prior to the closing date and time of online submission of bids**