

**Amendment III dated 16.05.2019**  
**IFB no. HSCC/LHMC/ Equipment/01 dt. 23.03.2019**

Procurement of Medical Equipment on behalf of the Director, Lady Harding Medical College & Hospital (LHMC), New Delhi:

All bidders are requested to note the following:

<b>Name of Item</b>	Closing date & time for receipt of Tender	Time & date of opening of Techno – Commercial tenders	Earlier date of opening	Amendment Status for opening date
1. High Energy Linear Accelerator 2. Wide Bore CT Simulator 3. High Dose Rate Brachytherapy System	21.06.2019, up to 14.00 hrs IST	21.06.2019, 14.30 hrs IST	24.05.2019	Date Extended

All bidders also requested to see the attached **Annexure A**

All other terms and conditions of the tender enquiry document shall remain unchanged. Prospective bidders are advised to regularly visit HSCC website/ CPP as corrigendum /amendments etc. if any, will be notified on this portal only, no separate advertisement will published in the news papers.

**Sr. CGM-I, HSCC (I) Ltd**  
**For & on behalf of LHMC, New Delhi**

## Item no. 01, High Energy Linear Accelerator

S.NO.	Reference	Tender specifications/condition	May please read as
1.	Page no. 36, section 21.1 (d)	The consignee will enter into CMC with the supplier at the rates as stipulated in the contract. The payment of CMC will be made on six monthly basis after satisfactory completion of said period, duly certified by the consignee on receipt of bank guarantee for an amount equivalent to 2.5 % of the cost of the equipment as per contract in the prescribed format given in Section XV valid till 2 months after expiry of entire CMC period.	The consignee will enter into CMC with the supplier at the rates as stipulated in the contract. The payment of CMC will be made on six monthly basis after satisfactory completion of said period, duly certified by the consignee on receipt of bank guarantee for an amount equivalent to 2.5 % of the <b>contract amount</b> as per prescribed format given in Section XV valid till 2 months after expiry of entire CMC period.
2.	Page no. 89, section 1(b) & page no. 90, point 4(e) & page no. 107 point (d) of tender document	98% 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.	98% may please read as <b>95%</b>
3.	Page 62 of the tender document	SCOPE OF WORK FOR FACILITY SITE MODIFICATION:	Please visit installation site for assessment. Contact HSCC site engineer for more information.
4.	Page 63 - point 12 of the tender document	AIR CONDITIONING WORKS : (15 TR + 15 TR backup : Total 30 TR HVAC)	Please visit installation site for assessment. Contact HSCC site engineer for more information.
5.	"Room Layout"		May please visit LHMC site
6.	Page 56, Under General Requirements, Point 1.4, last line	Vendor should provide the each unit price of both TPS and workstations offered.	No change considered Unit Price means - "Predetermined price for a quantity of work to be performed, including price charged for labor, material, and associated services such as equipment rental." Unit Price of both TPS and workstations is to be provided separately.
7.	Point 1.6 Pg 72	Factory trained service Engineer/Application specialists should be available in <u>LHMC , New Delhi</u> to look after the installation and maintenance of the system without interruption to patient treatment.	Factory trained service Engineer/Application specialists should be available in <b>Delhi</b> to look after the installation and maintenance

			of the system without interruption to patient treatment.
--	--	--	--

8		AERB approved layout/ Section drawings of the bunker	May please visit LHMC- Delhi
9		Any shielding/ or to get the required room survey results within acceptable limits to be provided by Hospital. Existing template holding holes throughout the bunker need to be closed by Hospital. Dosimetry conduit not available in HDR.	Please visit installation site for assessment. Contact HSCC site engineer for more information.
10		No finishes mentioned for Door / Windows mentioned in tender	Please visit installation site for assessment. contact HSCC site engineer for more information.
11	Point No. 8; 62	In tender; modification in TPS room is not mentioned, however furniture's and other requirements were asked	No change considered To visit installation site for assessment.
12		Nothing mentioned for Fire alarm system requirement	Please visit installation site for assessment. Contact HSCC site engineer for more information.
13		No Clause for construction power and water mentioned	May please visit LHMC site
14		Mould room Plumbing work/ Exhaust/ Accessories work not mentioned	May please visit LHMC site
15		Chiller room location not mentioned	May please visit LHMC site
16		No cable sleeves available inside the bunkers	May please visit LHMC site
17		At site total 3 LINAC bunkers/ 2 HDR Bunkers are available	Location Maps to be attached with Amendment
18	Point 4 (4.3) :Page 73	General Terms & Condition: Uptime falls below <b>96%</b> .	96% may please read as <b>95%</b>
19	Point 15 (4) Page 43	Goods supply through Letter of Credit: Complete address with mobile number of Carrier Company with <u>Cargo Arrival Notice</u> .	Goods supply through Letter of Credit: Point 4: Complete address with mobile number of Carrier Company.
20	Point (a) (ii) page 44	Required Delivery & installation Schedule: Delivery period for High Dose-Rate Brachytherapy, High or Low Energy Linear Accelerator /: Within 120 days from date of opening of the final Letter of Credit.	Delivery period for High Dose-Rate Brachytherapy, High or Low Energy Linear Accelerator /: Within <b>180 days</b> from date of opening of the final Letter of Credit.
21	V under Technical specification,section VII	The following dosimetry equipment and systems that are required for the dosimetry and quality assurance for safety and quality of the radiotherapy treatment shall be provided by the vendors (One set for Two nos. of Linear Accelerator).	A <b>single set</b> of the following dosimetry equipment and systems that are required for the dosimetry and quality assurance for safety and quality of the radiotherapy treatment shall be provided by the vendors for <b>one</b> linear accelerator.

22	V, 8.2 under Technical specification, section VII	Gafchromic films: 100 small size & 50 large size shall be provided since there are 2 Linacs to be Commissioned.	Gafchromic films: 50 small size & 25 large size shall be provided
23	Equipment warranty and after sales services under Technical specification, section VII	Penalty clause: Penalty at the rate of Rs. 50,000 per day will be charged from the firm if the uptime falls below 96%. The calculation will be done on the basis of 365 days in a year, 7 days in a week and 24 hours a day.	Penalty clause: Penalty at the rate of Rs. 50,000 per day will be charged from the firm if the uptime falls below <b>95%</b> . The calculation will be done on the basis of 365 days in a year, 7 days in a week and 24 hours a day.

### Item No. 2 - Wide Bore CT Simulator

S.NO.	Reference	Tender specifications/condition	May please read as
1.	20.07, Page 78	Factory trained service engineer/Applications specialists should be available in Kolkata to look after the installation and maintenance of the system without patient treatment interruption.	Factory trained service engineer/Applications specialists should be available in <b>Delhi</b> to look after the installation and maintenance of the system without patient treatment interruption.
2.	Page No. 90, 4e,	There will be 98% 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. For major equipment the penalty will be as under: i) Liner Accelerator -Rs. 25,000/- per day, 8 hours working basis. ii) Brachytherapy –Rs. 10,000/- per day, (8 hours working basis). iii) CT Simulator –Rs. 10,000/- per day, (8 hours working basis). iv) CT Scan, Gamma Camera –Rs. 10,000/- per day, (8 hours working basis). v) MRI, PET –Rs. 15,000/- per day, (8 hours working basis). vi) X –ray, MMG –Rs 2,000/- per day, (8 hours working basis).	There will be <b>95%</b> uptime warranty during CMC period for all the equipment on 24(hrs) X 7(days) X 365(days) basis with <b>monetary</b> penalty, to extend CMC period by double the downtime period. For major equipment the penalty will be as under: a. Linear Accelerator – Rs <b>50,000/-</b> per day b. CT-Simulator – Rs <b>10,000/-</b> per day c. HDR Brachytherapy – Rs <b>10,000/-</b> per day.
3.	Page 99	The uptime warranty will be 98 % on 24 (hrs) X 7 (days) X 365 (days) basis or as stated in Technical Specification of the TE document.	The uptime warranty will be <b>95 %</b> on 24 (hrs) X 7 (days) X 365 (days) basis or as stated in Technical Specification of the TE document.
4.	Page 107	There will be 98% 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.;	There will be <b>95%</b> uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with <b>monetary</b> penalty, to extend CMC period by double the downtime period.
5.	Section V, SCC Point 15 (4) Pg 43 Goods	Supply through Letter of Credit:-Complete address with mobile number of Carrier Company <u>with Cargo Arrival Notice</u> .	Goods supply through Letter of Credit: Point 4: Complete address with mobile number of Carrier Company.

6.	TECHNICAL SPECIFICATIONS GENERAL TECHNICAL SPECIFICATIONS SECTION – XI PRICE SCHEDULE page no.99	98% 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.	<b>95%</b> up time Warranty of complete equipment with <b>monetary penalty</b> , extension of Warranty period by double the downtime period on 24 (hrs) X 7 (days) X 365 (days) basis.
7.	TECHNICAL SPECIFICATIONS GENERAL TECHNICAL SPECIFICATIONS	There will be 98% 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.	There will be <b>95%</b> uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with monetary penalty, to extend CMC period by double the downtime period.
8.			Required to give only gating interface Refer to LINAC Specifications Clause No. 10.

### Item no. 03, High Dose Rate Brachytherapy system

S.NO.	Reference	Tender specifications/condition	May please read as
2	Page no. 73, clause no. 4.3 a) Penalty clause	Under clause a) Penalty clause: Penalty at the rate of Rs.50,000 per days will be charged from the firm if the uptime falls below 96%.	- Rs.50,000 may please read as Rs. 10,000.00 - 96% may please read as 95% Added: 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.
3.	Page no. 73, clause no. 5,	AERB approved site and facility layout plan.	May kindly visit LHMC site
4.	Page no. 82,	Under technical specification page no. 82, sl. No. 2 Radioactive Source,  2.1 The system should use radioactive source of Ir-192 2.2 Source strength should be of at least 10Ci Ir 192	2.1 The system should use radioactive source of Ir-192/ <b>Co-60</b> . 2.2 Source strength should be of at least 10Ci Ir 192/ <b>2Ci (74GBq) for Co-60 Source</b>
5.	Page no. 85, clause no. 7 (7.5) Equipment Warranty and Service	Clause no. 7.5- Source: (i) minimum 15 Sources (Ir-192) should be offered for 5 years period (one source in every four months interval or as then when required) to maintain HDR treatment delivery. The 15 sources cost should be quoted separately.....	Source: minimum <b>10</b> Sources (Ir-192) should be offered for 5 years period (one source in every <b>4-6</b> months interval or as and when required) to maintain HDR treatment delivery or <b>one Source (Co60 Source) for 5 years period</b> . The cost of 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.
6.	Page no. 84- clause 4.13-	The vendor should provide advanced model- based dose calculation algorithm for inhomogeneity correction in dose calculation as per AAPM TG-186 recommendations.	<b>Deleted</b>
7.	Page no 84, Point 5 (5.10) : Applicators for HDR Unit	Vienna Applicator or its equivalent for combined interstitial and intracavitary application-2 sets (MR Compatible)	No change considered Standard Sizes
8.	Page no. 84, Point 5 (5.11) : Applicators for HDR Unit	Intrabronchial Applicators (reusable) – 4 sets	Intrabronchial Applicators ( <b>disposable</b> ) – 4 sets
9.	Equipment warranty & services clause 7 (7.1) page no.85	The vendor must quote for five years comprehensive warranty (including all spares and labour). The warranty charges shall not be quoted separately otherwise the offer shall be summarily rejected. The vendors must submit their quote (Rate) also for subsequent five years comprehensive AMC (including all Spares and labor) in the price bid, failure to comply this condition will entail the rejection of the bids.	The vendor must quote for five years comprehensive warranty (including all spares and labour). The warranty charges shall not be quoted separately otherwise the offer shall be summarily rejected. The vendors must submit their quote (Rate) also for subsequent five years <b>comprehensive maintenance contract (CMC)</b> (including all Spares and labor) in the price bid, failure to comply this condition will entail the rejection of the bids.

Note: Bidders are requested to visit **LHMC, New Delhi** to assess the site condition of Equipment placement and installation in this Section. Bidders must take into consideration in its bid costs to be incurred for any additional work viz. site modification/ electrical/ HVAC/flooring /water connection/ water drainage/ plumbing & all allied requirement for the equipment etc. required for successful installation, commissioning and running of the Equipment and the “All inclusive lump sum price” should include all such costs.

