

Proceeding of the meeting of the "Price Evaluation Committee" held on 01.12.2017 at 10.30 A.M. in the Office Chamber of the Director, I.G.I.M.S. - Patna for the commercial evaluation of the bid(s) received against Tender Notice No.: Engg./111/C & EE/E-Tendering / 2017-18 for construction of State Cancer Institute building along with supply, installation and commissioning, and maintenance of various biomedical equipments at IGIMS Campus.

Member Present:

1. Prof. (Dr.) N. R. Biswas : Chairman
Director,
I.G.I.M.S. - Patna.
2. Dr. P. K. Sinha : Member
Medical Superintendent,
I.G.I.M.S. - Patna.
3. Prof. (Dr.) B. Sanyal : External Expert
Ex. Prof. & Head - Radiotherapy,
Shere Kashmir Medical Institute - Sri Nagar (J&K)
4. Prof.(Dr.) Prem Kumar : External Expert
Prof. & Head - Radiology,
A.I.I.M.S. - Patna.
5. Dr. D. K. Ray : External Expert
Head: Department of Medical Physics,
CNCI - Kolkata
6. Dr. Arvind Prasad : Member
Prof. & Head - FMT
I.G.I.M.S. - Patna.
7. Prof. (Dr.) Rajesh Kumar Singh : Internal Expert
Head - RCC,
I.G.I.M.S. - Patna
8. Shri Sheo Nandan Prasad : Member
Internal Financial Advisor
Health Department - Govt. of Bihar, Patna
(Rep. of Health Department, Govt. of Bihar)
9. Er. Akhileshwar Prasad : Member Secretary
Superintending Engineer,
I.G.I.M.S. - Patna.
10. Er. Shallendra Kumar Singh : Member
Senior Bio-Medical Engineer
I.G.I.M.S. - Patna.
11. Er. P. C. Mishra : Member
Executive Engineer (Electrical)
I.G.I.M.S. - Patna
12. Dr. Mukesh Zope : Member
Senior Medical Physicist,
I.G.I.M.S. - Patna.
13. Shri Serajul Haque : Member
Financial Advisor,
I.G.I.M.S. - Patna.

A E- Tender Notice No.: Engg./111/C&EE/E-Tendering / 2017-18 was published in national newspaper for construction of State Cancer Institute building along with supply, installation and commissioning, and maintenance of various biomedical equipments at I.G.I.M.S. - Patna. The detailed technical specifications along with terms & conditions for the same were uploaded at E-Procurement site of Govt. Of Bihar i.e. <http://eproc.bihar.gov.in> as well as on institute website www.igims.org. The bids were

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obtained under two packets (i.e. technical & commercial) systems. A pre-bid meeting was also held on 12.04.2017 against the said e-tender notice. The last date of submission at <http://eproc.bihar.gov.in> was 20.05.2017.

Following firm had submitted their offer for construction of State Cancer Institute building along with supply, installation and commissioning, and maintenance of various biomedical equipments.

1. M/s L & T Ltd. – Chennai

The technical bids were opened by the "Tender Opening Committee" of the Institute on 22.05.2017 comprising of authorized representative of Institute at <http://eproc.bihar.gov.in>. The offer submitted by M/s L & T Ltd. – Chennai was examined by the "Tender Opening Committee" of the Institute in light of "Technical Bid Sheet" and found responsive for further processing.

A "Technical Comparative Statement" of the various bio-medical equipments offered by M/s L&T Ltd. – Chennai was prepared by the Central Store Section and Senior Medical Physicist of Regional Cancer Centre of the institute of the responsive and eligible bidders. The Make & Model of the various equipments offered by M/s L & T Ltd. – Chennai are as follows:

Sr. No.	Name of the Equipment	Make & Model
1.	High Energy Linear Accelerator with IGRT	Make: Varian Medical – USA Model: True Beam (Ver.: 2.5)
2.	Low Energy Linear Accelerator (6 MV)	Make: Varian Medical - USA Model: Clinac IX
3.	High Dose Rate Brachy Therapy with Applicators	Make: Varian Medical – USA Model: Gamma Med Plus IX
4.	Dosimetry Equipments including RFA	Make: Nuclear Corporation - USA Model: 1230
5.	Cyclotron (11 MeV)	Make: GE – USA Model: Mini TRACQILIN
6.	PET CT Scanner (64 Slice)	Make: GE – USA Model: Discovery MIDR
7.	Radiation Safety & Radio Pharmacy Equipments	Various vendors.
8.	MRI with Spectroscopy	Make: GE – USA Model: GE Optima MR450W
9.	MD CT Scanner – 64 Slice	Make: GE – USA Model: GE Revolution Evo
10.	Mould Room Accessories	Make: Orfit Industries – Belgium

The committee along with the experts examined the "Technical Comparative Statement" and technical bids submitted by the above-mentioned bidders in the light of the technical specifications mentioned in the bidding document in its meeting held on 10.06.2017..

In the said meeting, "Technical Evaluation Committee" examined the technical specifications of the various offered equipments by M/s L&T Ltd. – Chennai, as mentioned above, and recommended for further processing with following observations.

1. A Tri-Party agreement should be made between Institute, M/s L & T Ltd. – Chennai and respective manufacturer of the equipments towards supply, installation, commissioning and after sales/services to ensure proper maintenance and satisfactory functioning over its life span.
2. The Chillers to be supplied with both LINACS should be imported one.
3. A Parallel Plate Chamber, 0.6 CC Ion Chamber and BNC to TNC adapter, MRI compatible Suction Machine are to be supplied by the bidder.

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4. Firm agreed to supply two RAPID ARC Licences for Treatment Planning System. Firm will provide list of licences provided and list of licences not provided in the tender bid but available with the manufacturer and list of licence from third party available with manufacturer i.e. M/s Varian Medical System.
5. List of IGRT Phantoms shall be provided by the firm, which will be supplied.
6. Separate UPS for both the LINAC's, Brachytherapy System, TPS, CT Simulator and other equipments will be provided by them and will be maintained by them during warranty as well as during CAMC inclusive of all items and consumables i.e. battery.
7. Firm agreed to start the warranty period from the date of treatment of first patient after successful commissioning of the each system.
8. Firm shall submit undertaking to the effect that they will provide all the necessary hardware and software required to run the offered features of their quoted model.
9. Firm shall depute one trained clinical physicist to assist the Institute for machine data generation and commissioning.
10. Firm also agreed to supply IR-192 Source as and when required by the Institute.
11. Firm will submit all the quality certificate i.e. FDA approval certificate, European CE and AERB.
12. M/s L&T Ltd. - Chennai has agreed that they will supply any items which was not asked in tender and is required to make the offered features operative of the equipments.
13. Bidder must submit a certification from the respective manufacturer on their letter head in support of Non-EOL of the equipment to ensure that no quoted equipment including hardware/software should come to an end of life within ten years from the date of commissioning.
14. The prospective Bidder, who are not manufacturers i.e. M/s L&T Ltd. - Chennai, shall also submit an undertaking from the Original Equipment Manufacturers (OEM) that they are willing to provide spare parts for the period of warranty as mentioned and also during the additional CAMC/AMC period, if awarded. The OEM shall also assure continuity of service to their product, in the event of change in dealership or the Bidders - their existing dealers - couldn't provide service during the warranty / CAMC period.
15. An undertaking of the principal regarding continuity of after sales and services (CAMC) @ the agreement rate even in case of changes of Indian agent during the life span of the equipment, must be submitted

As only one bid was found technically qualified after re-tender, the recommendations of "Technical Evaluation Committee" held on 10.06.2017 along with other details before "Board of Governors" of the Institute in its 98th meeting held on 16.09.2017 vide sub Resolution No.: 96 / 1464 (A) and 96/ 1464 (B) for permission of opening of price bid.

The "Board of Governors" resolves as follows:

"The BOG unanimously decided to send the proposal for seeking approval for opening the Price Bid to the Health Department. After opening the price bid, a special BOG will be called for final approval for awarding the work to the single bidder i.e. M/s L&T."

Accordingly, matter was referred to Health Department, Govt. of Bihar vide letter No.: 5126 dt. 30.10.2017. The Health Department, Govt. of Bihar vide letter No.: 1/1-08/2014 / 1329 (I) dt. 24.11.2017 accorded the permission to open price bid of the technically qualified bidder.

In light of above, price bid of the single technically qualified bidder i.e. M/ S L&T - Chennai were opened in presence of all the participated members through SERVER of e-procurement system <http://eproc.bihar.gov.in> on 28.11.2017.

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The details of the quoted rates are as follows:

Sl. No.	Description of Works	BOQ Amount	M/s L&T – Chennai quoted Amount
1.	Schedule Amount: a. Civil b. Plumbing c. Electrical	Rs. 19, 10, 37, 351:73/-	Rs. 26, 50, 07, 014:32/-
2.	Non-Schedule Amount a. Civil b. Plumbing c. Electrical d. Fire e. HVAC f. MGPS g. Signages	Rs. 13, 99, 68, 848:27	Rs. 12, 69, 93, 836/-
3.	Total Amount (Schedule + Non Schedule) – Civil & Electrical Related works	Rs. 33, 10, 06, 200/-	Rs. 39, 20, 00, 850:32
4.	Supply, installation, commissioning and maintenance of various bio-medical equipments with a warranty period of five years.	Rs. 85, 00, 000, 00:00	Rs. 1, 13, 89, 99, 150/-

The quoted rate of each equipments are as follows:

Sr. No.	Name of the Equipment	Ceiling Price	Quoted Amount by M/s L&T – Chennai
1.	Supply, installation, commissioning and obtaining regulatory body approval of Dual High Energy Linear Accelerator (LINAC)	Rs. 17:00 Crores	Rs. 24, 15, 10, 700/-
2.	Supply, installation, commissioning and obtaining regulatory body approval of Dual Low Energy Linear Accelerator (LINAC)	Rs. 07:00 Crores	Rs. 13, 65, 03, 660/-
3.	Supply, installation, commissioning and obtaining regulatory body approval of High Dose Rate Remote After loading Brachy Therapy	Rs. 3:00 Crores	Rs. 2, 82, 08, 280/-
4.	Supply, installation, commissioning and obtaining regulatory body approval of Self Shielded Medical Cyclotron (11 MeV)	Rs. 14:0 Crores	Rs. 19, 60, 00, 000/-
5.	Supply, installation, commissioning and obtaining regulatory body approval of Radio Pharmacy and Radiation Safety Equipments	Rs. 8:00 Crores	Rs. 8, 00, 00, 000/-
6.	Supply, installation, commissioning and obtaining regulatory body approval of PET CT 64 Slices	Rs. 12:00 Crores	Rs. 19, 90, 85, 000/-
7.	Supply, installation, commissioning and obtaining regulatory body approval of 1.5T MRI Scanner	Rs. 12:00 Crores	Rs. 14, 14, 19, 000/-
8.	Supply, installation, commissioning and obtaining regulatory body approval of Dosimetry Items	Rs. 3:00 Crores	Rs. 2, 94, 60, 000/-
9.	Supply, installation, commissioning and obtaining regulatory body approval of Radiotherapy Simulator with Flat Panel Based	Rs. 6:00 Crores	Rs. 7, 60, 64, 200/-
10.	Mould Room Facility and Immobilization Device	Rs. 2:00 Crores	Rs. 1, 07, 48, 310/-
Total Amount:		Rs. 84:00 Crores	Rs. 1, 13, 89, 99, 150/- (Approx.: Rs. 113:89 Crores)

Superintending Engineer informed the committee that as per terms & conditions of bidding document and CPWD / PWD norms, the permissible limit on the estimated rates is 10% (High or Low). The rates quoted by the bidder should be evaluated accordingly.

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Matter was discussed with the authorized representative of M/s L & T - Chennai on the quoted rates keeping in view of ceiling price and Committee after detailed discussion agreed to evaluate the bids under following groups:

Group - A: The rate of works / Equipments quoted within the ceiling price.

Group - B: The rate of works / equipments quoted 10% above the ceiling price.

Group - C: The rate of works / equipments quoted beyond 10% above the ceiling price.

1. The rates quoted by M/s L&T - Chennai for the supply, installation, commission and obtaining regulatory body approval of Group - A (**High Dose Rate Remote After loading Brachy Therapy, Radio Pharmacy and Radiation Safety Equipments, Dosimetry Items and Mould Room Facility and Immobilization Device**) may be accepted as the rate offered is within the ceiling price.
2. Further, M/s L&T - Chennai agreed to provide PACS for integration of imaging systems to radiotherapy equipments and other departments and archiving of imaging data for entire State Cancer Institute of IGIMS - Patna at no extra cost to the institute to be constructed by them.
3. It was further agreed that Comprehensive Annual Maintenance Contract inclusive of all spares and any type of consumables will be taken by the M/s L&T - Chennai @ 5% of the individual cost of the equipment per year for a further period of five years after expiry of warranty of five years.
4. For other equipments which falls under Group - B and Group - C, representative of M/s L&T - Chennai requested two to three days time to re- evaluate their offered price. Accordingly, Committee agreed to call the meeting again on 01.12.2017 at 10:30 A.M. for negotiation on quoted rates.
5. Further it was resolved that Director, IGIMS - Patna shall be empowered to negotiate with M/s L&T - Chennai for finalization of the prices and other terms & conditions.
6. The Committee felt that the supplier may be asked to furnish purchase order / negotiated price of similar medical equipments from various other Govt. organizations to ascertain the reasonability of price.

Meeting of the "Price Evaluation Committee" again held on 01.12.2017 at 10:30 A.M. in the office chamber of the Director, I.G.I.M.S. - Patna. Matter was discussed and negotiated with the authorized representative of M/s L&T.

The authorized representative of M/s L&T informed the committee that the ceiling prices kept for various works / equipments by the concerned departments approx. two year back. Since last two years, the custom duty on various equipments was increases nearly approx. 8%. Apart from above, new taxation system i.e. GST is also introduced. In some cases especially for Cyclotron, it is approx. 30% and in other cases 18%. These two factors are also included while quoting the rates for various equipments / works.

After detailed discussion and keeping in view of the cost of the equipment purchased by the other reputed Govt. organization, following rates were agreed.

Sl. No.	Description of Works	BOQ Amount	M/s L&T - Chennai quoted Amount	Negotiated Amount
1.	Total Amount (Schedule + Non Schedule) - Civil & Electrical Related works	Rs. 33, 10, 06, 200/- Ceiling Price by adding max. 10%.... Rs. 36, 41, 06, 820/- Grant Received: Rs. 35.0 Crores	Rs. 39, 20, 00, 850:32	Rs. 35:00 Crores.
Equipment:				
Sr. No.	Name of the Equipment	Ceiling Price	Quoted Amount by M/s L&T - Chennai	Negotiated Amount
1.	Supply, installation, commissioning and obtaining regulatory body approval of Dual High Energy Linear Accelerator (LINAC)	Rs. 17:00 Crores	Rs. 24, 15, 10, 700/-	Rs. 22, 20, 00, 000/-

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2.	Supply, installation, commissioning and obtaining regulatory body approval of Dual Low Energy Linear Accelerator (LINAC)	Rs. 07:00 Crores	Rs. 13, 65, 03, 660/-	Rs. 12, 00, 00, 000/-
3.	Supply, installation, commissioning and obtaining regulatory body approval of High Dose Rate Remote After loading Brachy Therapy	Rs. 3:00 Crores	Rs. 2, 82, 08, 280/-	Rs. 2, 82, 08, 280/-
4.	Supply, installation, commissioning and obtaining regulatory body approval of Self Shielded Medical Cyclotron (11 MeV)	Rs. 14:0 Crores	Rs. 19, 60, 00, 000/-	Rs. 18, 00, 00, 000/-
5.	Supply, installation, commissioning and obtaining regulatory body approval of Radio Pharmacy and Radiation Safety Equipments	Rs. 8:00 Crores	Rs. 8, 00, 00, 000/-	Rs. 8, 00, 00, 000/-
6.	Supply, installation, commissioning and obtaining regulatory body approval of PET CT 64 Slices	Rs. 12:00 Crores	Rs. 19, 90, 85, 000/-	Rs. 16, 20, 00, 000/-
7.	Supply, installation, commissioning and obtaining regulatory body approval of 1.5T MRI Scanner	Rs. 12:00 Crores	Rs. 14, 14, 19, 000/-	Rs. 12, 72, 00, 000/-
8.	Supply, installation, commissioning and obtaining regulatory body approval of Dosimetry Items	Rs. 3:00 Crores	Rs. 2, 94, 60, 000/-	Rs. 2, 94, 60, 000/-
9.	Supply, installation, commissioning and obtaining regulatory body approval of Radiotherapy Simulator with Flat Panel Based	Rs. 6:00 Crores	Rs. 7, 60, 64, 200/-	Rs. 7, 00, 00, 000/-
10.	Mould Room Facility and Immobilization Device	Rs. 2:00 Crores	Rs. 1, 07, 48, 310/-	Rs. 1, 07, 48, 310/-

Summary (After Negotiation):

Part - A:	All Civil, Electrical and other works as mentioned in the Bidding Document.	Rs. 35.00 Crores.
Part - B:	All Equipments as mentioned in the Bidding Document.	Rs. 1, 02, 96, 16, 590/- (Say Rs. 102.96 Crores)
	All Equipments except 11 MeV Cyclotron as mentioned in the Bidding Document.	Rs. 84, 96, 16, 590/- (Say: Rs. 84.96 Crores)

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During negotiation, representative of M/s L&T submitted the copy of the Supply Order (No.: 3241 - 46 dt. 06.12.2016) issued by Regional Cancer Centre - Agartala (Tripura) for the supply of PET CT. On comparison, it was observed that the rate offered by M/s L&T to this Institution is on lower side. Similar supply orders issued by reputed Govt. organizations were also placed before the committee for comparison of quoted rates.

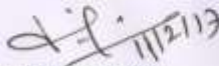
Keeping in view the necessity for establishment of "State Cancer Institute" for treatment of cancer patients with latest and hi-tech technology, Committee unanimously was of the opinion that the work may be awarded to M/s L&T on negotiated amount except supply of 11 MeV Cyclotron Machine as the total expenditure to be incurred falls within the grant received for the said purposes.

Fresh proposal for allocation of additional amount of Rs. 18:00 Crores may be sent to Govt. of India / Govt. of Bihar for the supply and commissioning of 11 MeV Cyclotron at proposed "State Cancer Institute".

The above negotiated prices are inclusive of supply, installation, commissioning, regulatory body approval, custom duty, transportation, any type of Taxes and maintenance of the system with all spares, accessories and consumables during warranty period of five years.

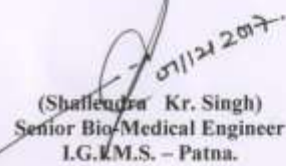
After expiry of warranty period of five years, M/s L&T will undertake Comprehensive Annual Maintenance Contract inclusive of all spares, accessories and any type of consumables @ 5% of the individual negotiated cost of the equipment per year for a further period of five years or quoted CAMC amount, which ever is less.

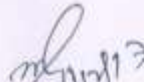
The meeting ended with thanks to chair.


(Dr. Mukesh Zope)
Senior Medical Physicist,
I.G.I.M.S. - Patna.

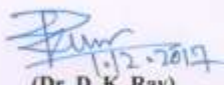

(Serajul Haque)
Financial Advisor
I.G.I.M.S. - Patna.

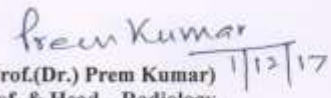

(Er. P. C. Mishra)
Executive Engineer (Electrical)
I.G.I.M.S. - Patna

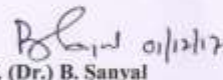

(Shalendra Kr. Singh)
Senior Bio-Medical Engineer
I.G.I.M.S. - Patna.



(Er. Akhleshwar Prasad)
Superintending Engineer,
I.G.I.M.S. - Patna


Prof. (Dr.) Rajesh Kumar Singh
Head - RCC,
I.G.I.M.S. - Patna

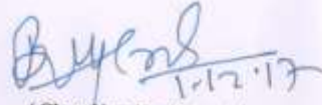

(Dr. D. K. Ray)
Head: Department of Medical Physics,
CNCI - Kolkata


(Prof. (Dr.) Prem Kumar)
Prof. & Head - Radiology,
A.I.I.M.S. - Patna.


Prof. (Dr.) B. Sanyal
Ex. Prof. & Head - Radiotherapy,
Shree Kashmir Medical Institute - Sri Nagar
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(Dr. Arvind Prasad)
Prof. & Head - FMT
I.G.I.M.S. - Patna.

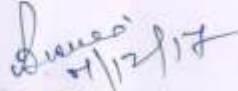



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(Sheo Nandan Prasad)
Internal Financial Advisor
Health Department – Govt. of Bihar, Patna
(Rep. Of Health Department, Govt. of Bihar)


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(Dr. P. K. Sinha)
Medical Superintendent,
I.G.I.M.S. – Patna.


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(Prof. (Dr.) N. R. Biswas)
Director,
I.G.I.M.S. – Patna