

**Amendment No.23**

Date: 03.01.2015

**Subject: Amendment no.23 to the Tender Enquiry Document for System A.****Ref: (i) Tender Enquiry No.: HLL/PCD/PMSSY/AIIMS-II/11/13-14 dated 19.12.2013 and subsequent amendments published thereafter.**

The following changes are incorporated to the referred tender document/ subsequent amendments published thereafter:

**SECTION –I**  
**Notice Inviting Tenders(NIT)****(1) For Schedule 06, 10 & 12, System A :-**

Sl. No.	Description	Schedule
i.	Dates of sale of tender enquiry documents	19.12.2013 to 05.01.2015, 1000 hrs to 1600 hrs IST
vi.	Closing date & time for receipt of Tender	06.01.2015, 1200 hrs IST
vii.	Time and date of opening of Techno – Commercial tenders	06.01.2015, 1230 hrs IST

**Read as:-****Schedule 06, 10, 12(a),12(b) and 12(c)**

Sl. No.	Description	Schedule
i.	Dates of sale of tender enquiry documents for <b>Schedule 06, 10,12(a),12(b) and 12(c)</b>	19.12.2013 to 02.02.2015, 1000 hrs to 1600 hrs IST
vi.	Closing date & time for receipt of Tender for <b>Schedule 06, 10,12(a),12(b) and 12(c)</b>	03.02.2015, 1200 hrs IST
vii.	Time and date of opening of Techno – Commercial tenders for <b>Schedule 06, 10 12(a),12(b) and 12(c)</b>	03.02.2015, 1230 hrs IST

**Note: If EMD is submitted in the form of BG, then the validity of the BG should be at least 165 days from the date of tender opening, i.e, up to 18.07.2015.****2) For:-**

S.No.	Name of Equipment	Department	Quantity per AIIMS	Total Quantity for 6 AIIMS	Qty for DRPGMC Tanda	Total Quantity	EMD
12	Advanced High Energy Linear Accelerator(LA) System	Radiation Oncology	1	6	1	7	3,86,00,000
	LOW ENERGY LINAC	Radiation Oncology	1	6	--	6	
	HDR BRACHYTHERAPY	Radiation Oncology	1	6	--	6	

**Read as:**

S.No.	Name of Equipment	Department	Quantity per AIIMS	Total Quantity for 6 AIIMS	Qty for DRPGMC Tanda	Total Quantity	EMD
12(a)	Advanced High Energy Linear Accelerator(LA) System	Radiation Oncology	1	6	1	7	266,00,000
12(b)	LOW ENERGY LINAC	Radiation Oncology	1	6	--	6	84,00,000
12(c)	HDR BRACHYTHERAPY	Radiation Oncology	1	6	--	6	36,00,000

**Legend:**

DRPGMC – Dr. Rajendra Prasad Govt. Medical College, Tanda

## **Section VII**

### **Technical Specifications**

**Following modifications/ amendments are made to the existing amendments uploaded on 21.11.2014.**

**Added para: General terms and Conditions:**

**Penalty Calculation will be as under:**

1. **In Up time:** 95% Uptime (In all Schedule 12(a), Advanced High Energy Linear Accelerator(LA) System, Schedule 12(b) Low Energy Linac and Schedule 12(c) HDR Brachytherapy) Penalty will be calculated on 95% of 365 days.
2. **Advanced High Energy Linear Accelerator(LA) System, Networking and TPS :** INR 50,000 per day
3. **Low Energy Linac:** INR 30,000 per day
4. **HDR Brachytherapy:** INR 10,000 per day
5. Penalty will be calculated 6 hours after telephonic/ SMS/ Email information to the vendor.

**Turnkey amendment:**

Whoever gets L1 for Advanced High Energy Linear Accelerator(LA) System will get the turnkey for all the equipment. However both the companies will bid for turnkey separately. The L1 price for turnkey will be the price for turnkey to be done by the vendor, who quotes L1. The turnkey will include turnkey for Advanced High Energy Linear Accelerator(LA) System, Low Energy linac, CT Simulator and HDR Brachytherapy.

In turnkey add: From the date of opening of Letter of Credit (LC), within 4 months turnkey should be completed. From the finishing of turnkey installation, approval and commissioning should be completed within 4 months. The company should facilitate getting AERB approval / commissioning. Penalty will be as per clause as per the main tender document. For some local reasons, if there is delay in construction of the bunker/ other facilities, the turnkey penalty may not be applicable.

Penalty will be calculated 6 hours after telephonic/ SMS/ Email information to the vendor.

**Schedule No.12(a)**  
**Advanced High Energy Linear Accelerator(LA) System**

1. Electrons energy. Highest energy for electrons 15 MeV or above.
2. Dose Rate: 100 -  $\geq$  500 MU/min in steps or higher. Please specify.
3. In Photon energy: 6/ 15 MV BJR11/AERB
4. Give any two energy with FFF with dose rate 2200MU/min and above
5. Collimator: +/- 95 Degree or higher.
6. Model released in the year 2010 or later.
7. Wedge: Motorized or dynamic
8. IMRT/SRT/SBRT/Volumetric arc IMRT
9. Phantoms used for dosimetry/QA. Please specify.
10. In optional: 6D Couch
11. Accessories: Motorized wedge
12. In room monitor 19 inches or more
13. In room laser 3 crossed and one line.
14. The vendor for HELA who gets L1 will integrate all radiation and imaging equipment.
15. Remove VMAT in optional as it is now main equipment.
16. TPS: Monte Carlo photons or equivalent
17. 4D Motion management solution in optional.
18. In optional: Biological algorithms.
19. In optional add: Portal Dosimetry or equivalent.
20. In optional: Beam matching for shifting patients from one machine to another.
21. Point C3 in existing:
22. Turnkey: Please also quote price separately for turnkey work for CT simulator.
23. Training of the staff: 2 Radiation Oncologist/ 2 Medical Physicist/ 2 RTT for a two weeks with one week in India and Europe each, depending on the training facility. Additional onsite training for 15 days.

**Schedule No.12(b)**  
**Low Energy Linear Accelerator(LA) System**

1. Add Electrons as optional.
2. Change to 4D Motion management solution in optional.
3. KV IGRT should be optional. Remove the IGRT from standard specifications. CBCT also gets removed from LELA standard because IGRT is optional.
4. In optional: Beam matching for shifting patients from one machine to another.

**Networking**

1. Offline review package as an optional.

**Software and Hardware**

Five Years warranty of all software and hardware and networking and software service agreement till ten years. All software and hardware up-gradations should be free of cost. The service agreement should be same as recent Tata Memorial Hospital tenders.

**Schedule No.12(c)**  
**HDR BRACHYTHERAPY**

**HDR Brachytherapy amendment:**

1. 20 Channels or more at a time.

**All other terms and conditions and specifications of the tender enquiry remain unaltered.**