

**Draft of Advertisement for Tender in**  
**Mahavir Cancer Sansthan, Patna**

Tenders are invited from the eligible bidders for supply of different types of Radiology, Radiotherapy, OT/CSSD and Laboratory Equipments. Technical Bids and Price Bids require through Speed Post/Courier in favour of "To Director, Mahavir Cancer Sansthan, Phulwarisharif, Patna – 801 505 within 15 days from the date of publication of notice. Sansthan reserves the right to reject any or all tenders / quotations at any stage without arising any reason thereof. For more detail, please visit hospital's website [www.mahavircancersansthan.com](http://www.mahavircancersansthan.com)

  
**Director** 10/11/19

Date : 09 Apr 2019

**ADVERTISEMENT FOR PURCHASING OF RADIOLOGY/HOSPITAL  
EQUIPMENTS/ITEMS : MAHAVIR CANCER SANSTHAN, PATNA**

1. Tenders are invited from the eligible bidders for supply of different types of Radiology Equipments/Items as per following details :-

(a) "Radiofrequency Ablation Generator" for tumour ablation in radiology department.

(b) High End USG Machine with Elastography & Contrast Enhanced USG Applications.

(c) "Full Room Cath Lab System" for intervention oncoradiology with wide Flat Panel System" Patient Couch & extra Workstation Included.

(d) LINEAR ACCELERATOR WITH 3D CRT, IMRT, VMAT, IGRT/Rapid Arc, SRT Facilities.

**Specification** :- (i) Medical Linear Accelerator (Simple) requires :-

- Radiation :- (aa) Photon (X-rays) beams (two or more) & FFF Photon beam also (ab) Electron beams (multiple minimum four energies)  
**More Photon and Electron beams are better for wide spectrum of treatment.**
- Collimator :- Asymmetric Jaw.
- Couch :- Carbon fiber table top.
- Wedge :- Physical wedges with different angles.

(ii) Medical Linear Accelerator with Three dimensional conformal Radiation Therapy (3DCRT) and Radiation IMRT, IGRT, VMAT/Rapid Arc requires additional :-

- Multi-leaf Collimator (MLC)-More number of leaf will better for better resolution in treatment. MICKO MLC for SRS/SRT
- IMRT delivery software.
- Electronic Portal Imaging (EPID).
- Virtual simulation workstation compatible with existing CT.
- Upgradable Treatment Planning System (TPS).

(iii) Medical Linear Accelerator with Image Guided Radiation Therapy (IGRT) requires additional :-

- On Board Imager/Cone Beam CT.
- Quality Assurance tools for IGRT.
- VMAT/Rapid Arc.
- SRT/SRS.

The main equipment and accessories must have mandatory approval for sale and installation in India issue by National Competent Authority. It should have regulatory type approval from AERB.

(e) **CSSD Unit in Hospital.**

**Specifications** :- Fully automatic, rectangle/square, stainless steel, high chamber volume with 800 to 1400 ltrs capacity.

(f) **MRI Unit Complete.**

**Specifications** :- (i) MRI Scanner preferably for oncology set up

(ii) Power of Machine 3 Tesla

(iii) Coil required 32 or more channel coil :- (aa) Head and neck coil

(ab) Body coil, (ac) Breast coil (Dynamic contrast study) (ad)

Shoulder joint, wrist joint, hip joint, knee joint, ankle joint coil (ae) Dedicated

coil for prostate, cervix and rectal imaging (af) Wide area peripheral MR

angiography (ag) Whole body MRI coverage for metastatic workup (ah) Any

other new coil to be added

(iv) Sequence Required :- (aa) Whole body diffusion wighted imaging

(ab) Diffusion tensor imaging (ac) Perfusion imaging, non contrast perfusion

imaging (ad) Susceptibility weighted imaging (ae) Inversion recovery &

double inversion recovery (af) Gradient sequence for Cine MRI (ag) Recent

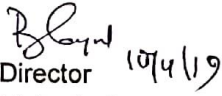
fat suppression technique (ah) Any other new sequence to be added.

(g) **Automated Blood Culture system.**(h) **Automated ID/AST System for microbial identification and sensitivity.**

2. Technical Bid and Price Bid require through Speed Post/Courier in favour of " To Director, Mahavir Cancer Sansthan, Phulwarisharif, Patna, PIN – 801505 " within 15 (Fifteen) days from the date of publication of the tender. Date & Time for finalisation of rates will be intimated to only those bidders, who will qualify after evaluation through mail/telephonic. Mahavir Cancer Sansthan reserve the right to reject any or all tenders at any stage without arising any reason thereof.

3. Tenders must be invited in sealed registered envelopes on which tender No and date of publication must be written on the **LEFT SIDE OF ENVELOPE ON BOLD LETTERS.**

4. For more details please visit Sansthan Website [www.mahavircancersansthan.com](http://www.mahavircancersansthan.com)

  
Director 10/4/19  
Mahavir Cancer Sansthan

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