

REF⇒ 955

1151

**MAHAVIR CANCER SANSTHAN AND RESEARCH CENTRE, PATNA**

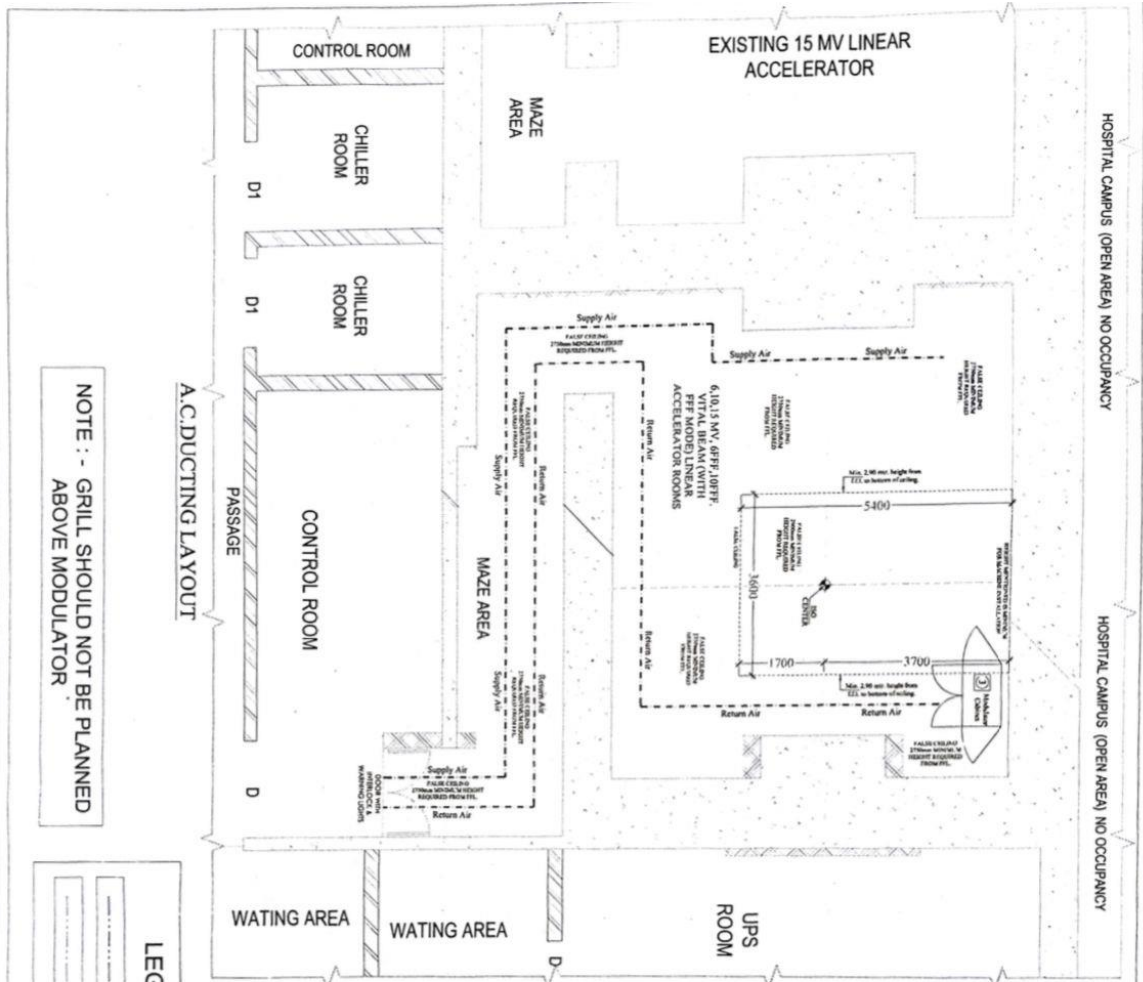
**TENDER NOTICE NO.**

Sealed quotations are invited for "Supply and installation of Ductable AC in New Linear Accelerator bunker at MCS as per approved drawing to maintain the indoor room temperature of  $20 \pm 2^{\circ}\text{C}$ ". The Quotation should reach the office of the Director Mahavir Cancer Sansthan, Phulwarisharif, Patna, 801505 on or before 3 PM of 20.11.2021 by courier or registered post. Name of work should superscribed on top of the sealed envelope. The Sansthan reserves the right to reject any or all tenders without assigning any reason thereof. For more details please visit hospital's website: [www.mahavircancersansthan.com](http://www.mahavircancersansthan.com).

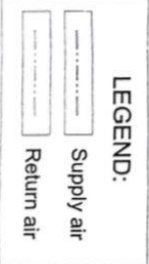
*Ashweta*  
9/11/21

*3m*  
9/11/21

*B. Kumar*  
Director 9/11/21  
Mahavir Cancer Sansthan



NOTE :- GRILL SHOULD NOT BE PLANNED ABOVE MODULATOR



**NOTES :-**

- DUCTS ARE SHOWN INDICATIVELY, ITS LOCATION & SIZE NEEDS TO BE WORKED OUT BY RESPECTIVE CONSULTANTS BASED ON ENVIRONMENTAL REQUIREMENTS.
- LOCATION OF SUPPLY & RETURN DUCT IS JUST INDICATIVE, CONCERNED CONSULTANT SHOULD MODIFY LOCATION AS PER REQUIREMENTS OF DESIGN.
- NO DUCT SHOULD BE PLANNED BELOW CEILING HOOK.

**A.C. DUCTING PLAN**

**Linear Accelerator VITAL BEAM Heat Loads for HVAC Calculation**

Machine Heat Load (inside Treatment Room)	HW
TrueBeam Condition	7.25
During Ready and Beam-On States	7.25
During No Mode State.	1.5

Modulator Heat Load (inside Treatment Room)	HW
Modulator Condition	HW
During Beam-On States	5.25
During Other State.	0.5

Console Cabinet Heat Load (inside Control Room)	HW
Control Console Cabinet	0.75
Optional ARIA work station and monitor	0.5

NOTE :- All Dimension's are in Millimeters Unless Specified.

**PROJECT :- PROPOSED LAYOUT FOR 15MV LINEAR ACCELERATOR OF MAHA VIR CANCER SANSTHAN AT PHULWARI SHARIF PATNA - 801505**

Scale: 1:1000

**VIRGIN**

4,10,15MV GPEP, IORPE VITAL BEAM ACCELERATOR ROOM LAYOUT & DETAILS

Checked By: R0