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GOVERNMENT OF INDIA

BHABHA ATOMIC RESEARCH CENTRE

Radiological Physics and Advisory Division

Ref: RPAD/MPS/9469/2018

21 September 2018

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1. Invitation of Quotation: Fabrication of two free-air ionization chambers

Brief Description & quantity

- (i) Fabrication of free-air ionization chamber.
- (ii) Supply of 2 nos..

Place of Delivery : Room No. 206, CT&CRS, Anushaktinagar, Mumbai 400 094

Due Date : 16-10-2018

Please send your quotation for the above fabrication & supply in a sealed envelope superscribed "Quotation for 'Fabrication of free-air ionization chamber'. Attention: Dr. Sudhir Kumar so as to reach the undersigned on or before 16-10-2018. Rate(s) shall be typewritten only.

Please note that quotation should be on letter head/ quotation format and should have sales tax registration number registered with local ST authority/CST authority, PAN number, service tax registration number. The quotations should be delivered by registered post/ speed post through Indian Postal services.


(D.Datta) 21/9/2018

Head,RPAD

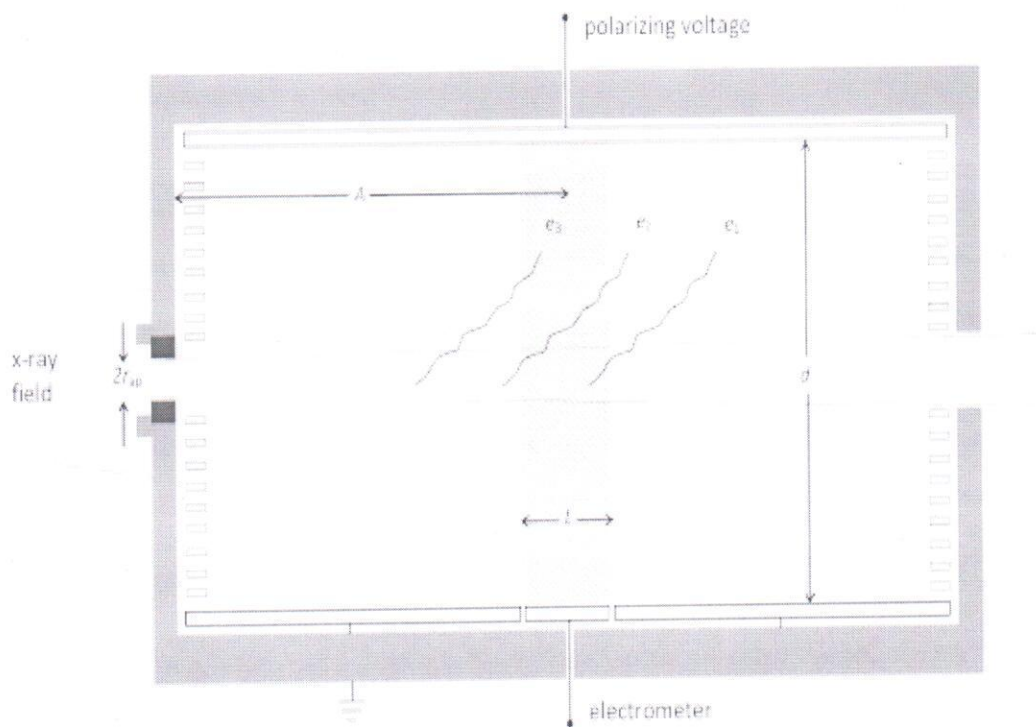
Quotations should be addressed to:

Dr. Sudhir Kumar
Medical Physics Section,
R.No 206, CT&CRS, Anushaktinagar,
Mumbai 400 094 Tel: 022-2559-8656

Specification of the proposed free-air ionization chamber

Max. photon energy	25 keV
Chamber geometry	Parallel plate
Mass of the sensitive air volume (20 °C and 1013.2 mbar)	1.789×10^{-7} Kg
Plate separation	3 cm
Length of collecting electrode	2 cm
Length of guard electrodes	1 cm
Gap between collecting and guard electrode	0.1 cm
Applied potential	Saturation voltage
Aperture diameter of beam entry	0.3 cm

Schematic diagram of a parallel-plate type free-air ionization chamber (FAIC)



Adatta
21.9.2018