



**MGM INSTITUTE OF HEALTH SCIENCES
CENTRAL PURCHASE DEPARTMENT (CPD)**

eTender for Gamma Ray Spectrometer System (1 No.)

Tenders invited from reputed Manufactures or their authorised distributors / dealers of Gamma Ray Spectrometer System for supply and Installation at MGM School of Biomedical Sciences, Kamothe Navi Mumbai in the format given below:

Name & Address of Vendor: _____

Sr. No.	Name of Company:	Details of Make and Model
1	Make	
2	Model	
3	Technical Specification	
A	Gamma Ray Spectroscopy system with MiniBin & Power supply, High Voltage unit, Linear Amplifier, Analyzer, counter timer etc. - Microcontroller Based	
1	MiniBin dimensions (WxHxL) in MM - Please specify	
2	MiniBin weight in Kg - Please specify	
3	Power supply dimensions (WxHxL) in MM	
4	Power supply weight	
5	Input - (230V + 10%) A.C, 50Hz.	
6	D.C Output - Please specify	
7	Regulation - Better than + 0.3%.	
8	Noise & Ripple - Less than 3mV (rms)	

	9	Stability +/- 0.5% after a 24 hr warm-up	
B	High Voltage Unit		
	1	Output voltage: variable continuously from 0 V to 2000 volts	
	2	Output current (max): 1mA	
	3	Load & Line regulations : Better than 0.05% of full scale	
	4	Indefinite over load & short circuit protections and self recovery : Please specify	
	5	Output ripple: less than 10mV (rms).	
c	Linear Amplifier		
	1	Input Polarity	
	2	Total gain (Typical)	
	3	Output (Unipolar)	
	4	Max. output (Unipolar)	
D	Counter Timer		
	1	Type: Microconstroller based	
	2	Input : 100mV to 10V,	
	3	Pulse width: : 0.5 micro sec	
	4	Polarity: Positive or Negative	
	5	Input impedance: 1K (approx)	

1	6	Input Counts Capacity : 999999 counts	
	7	Pulse Height Discrimination: 100mV - 10V	
	8	Modes of Data Acquisition :	
		a. Counts for a preset time	
		b. CPS	
		c. CPM	
	9	Storage facility: 1 to 9999 Sec	
E	Single Channel Analyser		
	1	Input: Unipolar or bipolar with a +ve leading edge 0 to 10V	
	2	Pulse Pair resolution (approx): 0.6 micro sec.	
	3	Output pulse polarity: Positive	
	4	Pulse amplitude: +5V	
	5	Pulse width: 0.5 micro sec	
	6	LLD output pulse amplitude: +5V	
	7	Output pulse width: 0.5 micro sec	
	8	Detector (Flat Type) with built in Pre-Amplifier: Flat Scintillation Type (NaI)	
Cost Per Unit			
GST			

F	Additional accessories		
	1	Sliding bench with source holder	
Cost Per Unit			
GST			
	2	Scatter stand	
Cost Per Unit			
GST			
	3	Aluminium absorber set	
Cost Per Unit			
GST			
	4	Copper absorber set	
Cost Per Unit			
GST			
	5	Gamma referece standard set: Disc type	
		a. Ba-133	
		b. Cs-137	
		c. Co-57	
		d. Co-60	

	e. Na-22	
Cost Per Unit		
GST		
6	Lead shielding for detector	
Cost Per Unit		
GST		
7	Software Tutor	
Cost Per Unit		
GST		
8	Data Communication software for downloading the counter/timer unit stored readings into PC	
Cost Per Unit		
GST		
Terms & Conditions:		
10	GST	
	Installation & Training	
	Warranty: 5 Years	
	Other Terms & Conditions	
	AMC Post Warranty with Escalation per year %	

CMC Post Warranty with Escalation per year %	
Delivery Period	
Payment	

Kindly email your lowest tender for above items with detailed specifications, terms and conditions, Client list to etenders@mgmuhs.com only.

Date:	Vendor Name:
Seal:	Name:
	Designation:
	Email ID:
	Mobile No.:
	GST No.
	Full Address: