

H.E.J. RESEARCH INSTITUTE OF CHEMISTRY  
INTERNATIONAL CENTER FOR CHEMICAL AND BIOLOGICAL SCIENCES  
UNIVERSITY OF KARACHI  
KARACHI-75270

TENDER NOTICE NO. HEJ-270212

Sealed tenders are invited from the sales tax and income tax registered firms for purchase/import of a **Manual Microwave Peptide Synthesizer** on C&F basis for the Center on **Two-Stage Two-Envelope** procedure. The detail and specification of the item can be collected from the date of publication of the advertisement in the newspapers, from Purchase Office of the Center, on any working day between 9.00 a.m. to 12.30 p.m., (except Friday), on payment of Rs. 300/- (non-refundable), in shape of a pay order (Demand Draft by the out of Karachi suppliers), in favor of the Director, H.E.J., or downloaded from the websites [www.iccs.edu](http://www.iccs.edu) and [www.pprasindh.gov.pk](http://www.pprasindh.gov.pk). The last date of issuing the bid documents is 25-2-2012. The tenders can be submitted with 2% of the bid value as bid security, in shape of a pay order in favor of the Director, H.E.J., latest by 10.30 a.m. on 27-02-2012. The tenders will be submitted and only the technical offers will be opened in Purchase Office of the Center at 11.00 a.m. on the same day in presence of the bidders or their representatives. The Procuring Agency may reject all or any bid subject to the relevant provision of SPP rules.

*DIRECTOR*

# Microwave SPS Peptide Synthesizer System

## Specifications

Type	Single-Mode,
Operation	Peptide SPS Workstation w/vacuum
Tuning Type	Self-Tuning
Power	240V/50Hz
Reaction type	Temp Controlled (atmospheric)
Operating Temperature	Ambient to 300C or higher Optional
Reaction Vials Capability	25 mL,
Reaction Volumes	0.2 mL to 50 mL or higher
Operating Pressure	Atmospheric
Agitation	ElectroMagnetic, Multi- Speed
Temperature Detection	Fiber Optic, In Situ

Software allowing complete control of each reaction

Multiple Safety Interlocks for operator and microwave safety

Workstation for vacuum flushing, manual liquid handling convenience

## Standard Accessories

- Air supply hose, connections and pressure gauge for quenching and reaction cooling
- Basic "Introduction to Microwave Synthesis" textbook
- Appropriate tools
- Operations manual
- Waste Container, Washing/filtration station, vacuum pump, and other accessories to facilitate manual SPS.
- Accessories for organic synthesis, proteomics, and protein hydrolysis.
- Standard peptide coupling reagents for Microwave Synthesis

## SUMMARY SHEET

The tender will liable to be rejected if this form will not accompany the tenor bid / quote

SERIAL No.	BID VALUE	FOREIGN CURRENCY	CONVERSION RATE	RICE IN KR

<b>TOTAL BID VALUE IN PKR</b>	
<b>Earnest Money @ 2% in PKR</b>	
Payorder / Bank Draft No:	Date:
<b>Signature</b>	<b>Seal:</b>