



**Center for Bioequivalence Studies and  
Bioassay Research (CBSBR)**

**PCMD DR. PANJWANI CENTER FOR MOLECULAR  
MEDICINE AND DRUG RESEARCH**

INTERNATIONAL CENTER FOR CHEMICAL AND BIOLOGICAL SCIENCES  
UNIVERSITY OF KARACHI, KARACHI-75270

**RE TENDER NOTICE NO. PCMD-BIOEQUIV-9. 2011/12**

**Tender: 2<sup>nd</sup> Time**

**01) Defibrillator**

Sealed tenders are invited only from the sales tax registered with Sindh Revenue Board and income tax registered suppliers for the Purchase/Import on C & F basis of Scientific Equipments required for the project entitled, "**Center for Bioequivalence Studies and Bioassay Research at Dr. Panjwani Center for Molecular Medicine and Drug Research**".

The detail and specifications of the item can be collected from the date of notification of the advertisement on the websites, from Purchase Office of PCMD, 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 bidders), in favor of the Director ICCBS., 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 tender is 26-5-2012. The tenders may be submitted with 2% of the bid value as bid security, in shape of a pay order in favor of the Director ICCBS., latest by 2.30 p.m. on 28-05-2012. The tenders will be opened in Purchase Office PCMD of the Center at 03.00 p.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.

**CO-DIRECTOR  
PCMD**

**Quantity: 01set**

**01. Defibrillator:**

**Specification:**

<b>Waveform:</b>	Damped sinusoidal
<b>Output Energy:</b>	2,3,5,7,7,10,20,30,50,70,100,150,200,300, and 360 joules
<b>Charge Control:</b>	Push-button on apex paddle and on front panel
<b>Charge Time:</b>	Less than 10 seconds to 360 joules when powered by a fully charged battery
<b>Armed Indicator:</b>	Charge done tone, and charge done lamp on apex paddle
<b>Paddle Contact Indicator:</b>	3-color LED bar graph array on STERNUM paddle indicates quality of defibrillator paddle contact before discharge
<b>Paddles:</b>	Standard paddles are anterior/anterior, adult, and pediatric. Adult electrodes ( 83 cm ) slide off to expose pediatric electrodes ( 21 cm )
<b>Synchronizer:</b>	"SYNC" message appears on the monitor and is annotated periodically on the recorder while in synchronous mode. An audible beep sounds with each detected R-wave, while a marker pulse on the monitor and syn designator on the recorder strip indicate discharge point. Upon activation, discharge occurs within 30ms of marker pulse.
<b>Monitor:</b>	
<b>Input:</b>	ECG activity may be viewed through the paddles or patient cable. Lead I, II, or III selectable in LEADS position. The monitor and recorder indicate selected ECG source
<b>Heart Rate Display:</b>	Digital readout on monitor from 20 to 300 bpm
<b>Heart Rate Alarms:</b>	Adjustable limits from 20 to 280 bpm

**NOTE:**

**IQ/OQ/PQ to be conducted by the vendors engineers at site.**

## SUMMARY SHEET

TENDER NOTICE NO. PCMD-BIOEQUIV-9. 2011/12 (2<sup>nd</sup> Time)

The tender will liable to be rejected if this form will not accompan<sup>y</sup> the tender bid / quote

SERIAL No.	BID VALUE	FOREIGN CURRENCY	CONVERSION RATE.	PRICE IN PKR.

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