

**GOVERNMENT OF SINDH
HEALTH DEPARTMENT**



**Tender for Supply and Installation of Ultrafast
Shearwave Elastography Machine for
Quantitative and Qualitative Assessment of
Liver Fibrosis Evaluation / Multiwave
Shearwave Breast Elastography**

Tender No.HD (P&E)6(137)/2014

Due on: 11-02-2015

OFFICE OF THE
ADDITIONAL SECRETARY (DEV), HEALTH DEPARTMENT,
GOVERNMENT OF SINDH,
Block 94, Sindh Secretariat 4-B, Opp : Sindh Assembly Building, Karachi

TENDER NO. HD(P&E)/6(137)/2014

DUE ON: 11.2.2015

INVITATION FOR BIDS

1. Sealed bids are invited from eligible bidders for Supply of Machinery / Equipment etc. against funds provided in the year 2014-2015.
2. Bidding will be conducted under **SPP Rule 2010 clause 46(2)** single stage two envelope bidding procedures of Sindh Public Procurement Rule 2010 (Amended 2013) specified in this document is open to all interested bidders.
3. Interested bidders may obtain further information from the office of the undersigned Health Department, Development Wing, Block 94, Karachi during the office hours.
4. A complete set of bidding documents may be purchased by interested bidders on the submission of a written application from P&MI Cell, Health Department, Block 24, Shahrah-e-Liaquat, Karachi, upon cash payment of nonrefundable fees of Rs. 2000/- (Two thousand only).
5. Bids must be delivered to the address below up to *11.00 a.m.* All bids must be accompanied by a bid security / earnest Money @ 2.5% of the Total bid cost in shape of pay order / bank draft. Late bids will be rejected. Bids will be opened in the presence of the bidder's authorized representatives who choose to attend at the address below at *12:00 noon*

Address:

BLOCK 94, SINDH SECRETARIAT 4-B,
OPP : SINDH ASSEMBLY BUILDING,
KARACHI.


CHAIRMAN PURCHASE COMMITTEE,
HEALTH DEPARTMENT, GOVT. OF SINDH,

INSTRUCTIONS TO BIDDERS

- 1) Bids shall remain valid for 90 days from the date of opening. A bid valid for a shorter period shall be rejected as being non-responsive.
- 2) The bidders shall quote their prices inclusive of all duties /taxes/Octroi transportation etc, and all other expenses on free delivery to Consignee's end.
- 3) Price should be quoted in Figures & words both, failing which the offer will be ignored.
- 4) The bid prepared by the Bidder shall comprise the following documents:
 - (a) Bid Form & Price Schedules duly completed by the Bidder.
 - (b) The Bidder shall furnish a bid security @ 2.5% of the quoted value in the form of a pay order, bank draft.
 - (c) The original catalogue must accompany with offer and the equipment should comply/certified at CE/FDA approved.
 - (d) Sole Agent Certificate/Authority letter from the manufacturer must be provided by the bidder.
 - (e) The service manual with circuit diagram will be provided (for equipment)
 - (f) The bidder must confirm free Installation / Demonstration at consignee's end as specified, three years free Service from the date of installation, 05 years service contract and availability of spare parts.
 - (g) The supplier will be bound to supply the price list of spare parts and consumable at the time of tender i.e. for three years.
 - (h) The supplier will be bound to provide free service during warranty period and to supply spare parts accessories of the supplied equipment on demand.
 - (i) A certificate from the manufacturer that the offered machine / equipment being used in the country of origin.
 - (j) A detail data sheet having description of the essential technical and performance characteristics of the offered equipment.
 - (k) The original tender purchase receipt.
 - (l) Bidders shall purchase separate tender document and furnish purchase receipts for alternate offer, in case they want to submit alternate offer. Any item's bid with alternate offers without separate purchase receipt (Original) is supposed to be rejected.
 - (m) The bidder shall furnish copy of valid Professional Tax (Excise & Taxation) Certificate/Income Tax Certificate/GST Registration Certificate.
 - (n) Tenderers shall submit guarantee letter that the supplied Machinery / Equipment is the original / brand new product / latest model, none of the part is replaced, old or refurbished.
 - (o) Tenderers must be enclosed list of users in Sindh Pakistan of the quoted items. Bidder must submit the proof for the availability of workshop & trained engineers + qualified persons for the machines at Sindh for after sale service.
- 5) The prices quoted by the Bidder shall be fixed during the performance of the contract and not subject to variation on any account. A bid submitted with an adjustable price or conditional will be treated as non-responsive and rejected.
- 6) The Bidder shall prepare bid comprise one single envelope containing separately financial proposal and technical proposal in original. The Envelop shall be marked as **"FINANCIAL"**

PROPOSAL” and **“TECHNICAL PROPOSAL**” in bold and legible letter to avoid confusion. The financial and technical bids, each consisting of the documents listed above.

In Technical Proposal the bidder must provide the original Data sheet and Technical brochure, Income Tax, Sales Tax, Sole Agency certificate and other documents; otherwise the bid will be ignored.

In Financial Proposal, the bidder should provide bid security / earnest money at the rate of 2.5% of the quoted value. **A photocopy of the same should be attached with Technical Proposal but its value must not be disclosed and this can be achieved by placing a piece of paper on the place where amount is mentioned.**

- 7) In case of imported items both C.I.F & F.O.R prices should be quoted.
- 8) In case of purchase on C.I.F basis, letter of Credit will be open. All the charges will be bear by the vendor. The required certificate will be issued by this office that the import has been made for this hospital, so as to avail the facility of exemption of duties / taxes, as per Government Rules / Policy and the terms & conditions regarding payment will be decided mutually by the procuring agency and the bidder, according to the SPP Rule-2010 (Amended 2013).
- 9) In case of supply order placed on F.O.R basis the bidder should be supplied the quoted item on or before 31-05-2015.
- 10) All the (applicablé) Government taxes (Income Tax / Stamp Duty) of the value of the contract amount will be deducted from the bills of the Contractors / Suppliers.
- 11) The purchaser will initially open only the envelopes marked **“Technical Proposal”** in the presence of Bidders or their representatives who chose to be present at the time of bid opening date, time and place specified in the tender documents. The Bidder or their representative who are present shall sign the attendance sheet. The envelope marked **“Financial Proposal”** shall be retained in the custody of purchaser without being opened till the completion of the Technical Evaluation.
- 12) Initially the bid evaluation will be performed after that Technical Specification will be evaluated by Technical Committee on the basis of the data sheet and the literature provided / submitted by the firm. Financial bids of technical qualified firms will be opened.
- 13) The equipment offered must be of latest version / generation and in case an old model is offered, it will not be considered, even though it is as per the tender specifications.
- 14) All pages of the bid, except for un- amended printed literature, shall be initialed by the person or persons signing the bid.
- 15) The bid shall contain no alterations, omissions, or additions, unless such corrections are initialed by the person or persons signing the bid.
- 16) Bids shall be submitted either by the manufacturer or its sole agent, if submitted by the manufacturer itself then bid of authorized sole agent will be rejected. No sublet will be allowed.
- 17) Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price, which is obtained by multiplying the unit price and quantity, or between subtotals and the total price, the unit or subtotal price shall prevail, and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words will prevail. If the Bidder does not accept the correction of errors, its bid will be rejected.
- 18) The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to award of contract under the relevant provisions of SPP Rules

- 2010 (Amended 2013), without thereby incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for the Purchaser's action.
- 19) The Purchaser reserves the rights to increase or decrease the quantity as per SPP Rule-2010 (Amended 2013).
 - 20) Prior to the expiration of the period of bid validity, the Purchaser will notify the successful Bidder through Advance acceptance. This will constitute the formation of the contract. Within seven (07) days after receipt of the Advance acceptance, the successful Bidder shall furnish the performance security @ 5% of the contracted amount and will sign the contract agreement.
 - 21) Bid validity can be extended as per SPP Rule 2010 (Amended 2013).
 - 22) Distributor once nominated by the manufacturer will be for the whole contract period and manufacturer cannot change its distributor during the year in any case. In exceptional cases the tendering authority may approve changes.
 - 23) The warranty period will commence from the date of commissioning of the unit as per report of the end user/technical person.
 - 24) The system will have the minimum uptime 95% in case of down time beyond this period the following penalty will be applied:
 - a) 95% to 100% No penalty.
 - b) 90% to 95% the warranty period will be extended by the number of days system in down.
 - c) 85% to 90% warranty period will be extended 1.5 time the down time period.
 - d) 80% to 85% warranty period will be extended two time for the down time period and supplier is supposed to give justification of delay.
 - e) Uptime less than 80% hospital will complain to the Principal to take action against the supplier and warranty will be the three time for the down time period.
 - f) However, PPM (Periodic Preventive Maintenance) will not consider in the down time and PPM of the system will be done as per manufacturer recommendation.

General & Special Conditions of Contract

- 1) The Contract shall be governed by and interpreted in accordance with laws of the Islamic Republic of Pakistan.
- 2) Store is required immediately. The bidder may however give their short guaranteed delivery period by which the supply will be completed but not later than 45days from date of purchase order. No Extension will be granted / accorded for the supply.
- 3) The manufacturer should provide an undertaking that if his authorized contractor fails to carry out any assignment in total or in part, manufacturer will be responsible to carry out the same.
- 4) Except as otherwise specifically provided in the Contract, the Contractor shall bear and pay all taxes, duties, levies and charges assessed on the Contractor.
- 5) The Contract Price shall be made to the Contractor as specified in the Contract Agreement, subject to the general principle / procedure of the Government of Sindh.

- 6) The Contract shall be executed in accordance with the Contract Documents and procedures.
- 7) The Purchaser or its representative shall inspect the Machinery / Equipment to confirm their conformity to the Contract specification. The inspection will be conducted at the premises of consignee after receipt of supply.
- 8) If the Contractor fails to attain Completion of the supply or installation within the Time for Completion shall pay to the Purchaser liquidated damages at the rate of 2% per month (0.5% per week) of the Contract Price, or the relevant part thereof. The aggregate amount of such liquidated damages shall in no event exceed the amount of 10%. Once the "Maximum" is reached, the Purchaser may consider termination of the Contract.
- 9) The Contractor warrants that the supplied equipment or any part thereof shall be free from defects in the design, engineering, materials etc. In case of defect in any part at the time of supply of installation it shall be replaced with new one instead of repair.
- 10) The purchaser, without prejudice to any other remedy for breach of contract by written notice of default sent to the supplier, may terminate this contract in whole or in part:
 - (a) if the supplier fails to deliver any or all of the contracted items within the period(s) specified in the Contract, or within any extension thereof granted by the Purchaser.
 - (b) If the Supplier fails to perform any other obligation(s) under the Contract.
 - (c) If the supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.
- 11) The bidder shall confirm the refund of cost difference if the same goods is/was supplied at lower rates to any other Govt./Semi Government institution or Armed Forces in the Province or outside in the same fiscal year.
- 12) The Purchaser reserves the right to increase/decrease or delete the quantities of goods etc. at the time of award of contract and also reserves the right to increase/ decrease the quantity of goods and services originally specified in the contract without any change in unit price or other terms and conditions of goods at any time during the contract period.
- 13) Service charges @ 0.25% or current prevailing charges of the value of the Contract will realized/charged by the A.G. Sindh, while making payment to the contractors for award of each contract.

Criteria for evaluation of bids

- 1 Earnest money submission.
- 2 Compliance of terms and conditions, required documents / information as described in the Instructions of bidders, General and special conditions of the bid document. Bidder must qualify the bid evaluation. Only qualified bid evaluation bidders will be evaluated technically.
- 3 Relevant Experience and past performance of manufacturer / sole distributor in terms of supply & after sale service.
- 4 After sale service facility with availability of work shop, Technical staff, Tools and spare parts.
- 5 Authority letter from manufacturer with validity period not less than two years.
- 6 Submission of original Catalogue with complete mailing address of the company, telephone / Fax Nos. and Web site for each quoted item.
- 7 Technical evaluations as per tender specification.
- 8 Operational cost (In case of equipment).
- 9 Delivery schedule.
- 10 Evaluation of quoted price.

UNDERTAKING

- a) That I/we agree whether our tender accepted for total, partial or enhanced quantity for all or any single item. I/We also agreed to supply and accept the said item at the rates for the supply of contracted quantity with in the stipulated period shown in the contract.
- b) I/We understand and confirm the refund of cost difference if the same goods is/was supplied at lower rates to any other Govt./Semi Govt. institution in the province in the same fiscal year.
- c) I/We undertake that, if any of the information submitted in accordance to this tender Enquiry found incorrect, our contract may be cancelled at any stage on our cost and risk.

CERTIFICATE

We guarantee to supply the stores exactly in accordance with the requirement specified in the invitation to this tender.

Signature of Tenderer -----

Name & Designation-----

Address:-----

Schedule of Requirements / Technical Specification
MACHINERY / EQUIPMENTS

S/N	Description of Item / Specification.	Qty	C.I.F Price		F.O.R Price													
			Unit Price	Total Price	Unit Price	Total Price												
1.	<p>SUPPLY AND INSTALLATION ULTRAFAST SHEARWAVE ELASTOGRAPHY MACHINE FOR QUANTITATIVE ASSESSMENT OF LIVER FIBROSIS EVALUATION / MULTIWAVE 3D SHEARWAVE BREAST ELASTOGRAPHY</p> <p>DETAILS AS UNDER:-</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%; text-align: center;">1</td> <td>Clinical Applications of UFSWE</td> </tr> <tr> <td></td> <td> Liver Breast (2D & 3D) Renal Pelvic Thyroid Genitourinary Prostate Scrotum Musculoskeletal Vascular </td> </tr> <tr> <td style="text-align: center;">2</td> <td>Imaging Modes</td> </tr> <tr> <td></td> <td> B-mode Color Doppler: Color Flow Power Doppler Directional Power Doppler TCD with ultrafast doppler Capability Contrast (CEUS) Real Time Shearwave Elastography dedicated probes 3D B-mode & 3D UFSWE Integrated Thy-RADS Integrated BI-RADS </td> </tr> <tr> <td style="text-align: center;">3</td> <td>Imaging Features</td> </tr> <tr> <td></td> <td> Ultrafast Imaging atleast 200 or more times faster than conventional scanning allowing real time shearwave imaging, 20,000 or more frame per second </td> </tr> </table>	1	Clinical Applications of UFSWE		Liver Breast (2D & 3D) Renal Pelvic Thyroid Genitourinary Prostate Scrotum Musculoskeletal Vascular	2	Imaging Modes		B-mode Color Doppler: Color Flow Power Doppler Directional Power Doppler TCD with ultrafast doppler Capability Contrast (CEUS) Real Time Shearwave Elastography dedicated probes 3D B-mode & 3D UFSWE Integrated Thy-RADS Integrated BI-RADS	3	Imaging Features		Ultrafast Imaging atleast 200 or more times faster than conventional scanning allowing real time shearwave imaging, 20,000 or more frame per second	08				
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	<p>20,000 or more frame per second. Panoramic Imaging Simultaneous Doppler Tissue Harmonic Imaging Compound imaging SuperRes TissueTuner Pulse Wave Velocity Tool Frame rate in UFSWE mode must be higher than 1Hz Speed of Sound correction with 5 # settings from 1420m/s up to 1640m/s Processing Channels more than 60,000 for improving the resolution Beamformer should be Software base . Dynamic Range up to 200 dB</p>			
4	<p>Work flow</p>			
	<p>Auto Time-Gain Compensation Control Retrospective & Prospective Capture Cine Loop Trim Capability Q-Box Elasticity Quantification Tools Multiple Q Box Quantification Tool 2D & 3D Volume Measurements Tools Integrated BI-RADS(Grading) Thy-RADS Grading on-cart study review in 3D study Continue Exam (Append) Configurable Report Builder</p>			
	<p>DICOM: modality, worklist, modality perform procedure step, store, print, query & retrieve, export system backup & restore high definition digital video output (DVI)</p>			
5	<p>Flat Panel Display</p>			
	<p>19" or more LCD flat panel display Monitor resolution 1920 x 1080 or more High definition DVI-D Integrated Touch Screen atleast 10 inch or more Low-glare hard coating; flicker-free to reduce eye-strain ultra-wide viewing angle: ± 178° or more Pixel -sharp high resolution: 1680x1050 or more display colours 16.77 million colors or more monitors mounted on a fully articulated arm Tilt, pitch & height adjustable</p>			

Overall height adjustment
 Arm & monitor fold down to reduce overall height transport
 Cold Boot-up time < 60 second

6 Transducers (all Transducers should have UFSWE capability)

Transducers if have "Pinless connectors with UFSWE to avoid any damage will be preferred. System capable to add single Crystal Transducer

- Adult curvilinear probe for abdominal imaging up to 6MHz or better
- Linear Array 4-15 MHz
- Endocavity 3-12 MHz
- 3-12 Micro-Convex for Pediatric Application

7 Shear Wave Elastography Imaging (UFSWE)

Shearwave Color box overlay on b-mode image
 System should be capable up to 20 MHz
 All b-mode controls are available in UFSWE mode
 Supercompound B-mode Image enhancement available in UF UFSWE
 Ultrafast Data Acquisition Technology for UFSWE:
 UFSWE data frame rate: 20 kHz
 UFSWE Quantification:
 Q-box pixel accurate elasticity quantification
 Range of Elasticity: 0-300 kPa typical, 0-800 kPa in Musculoskeletal preset
 optimized default elasticity scale
 Q-box precision: +/- 15% of displayed value
 Elasticity scale 0-800kpa (0-16,3m/s) in Musculoskeletal application
 UFSWE Quantification tools : single measurement, ratio, free hand trace
 , multiple measurement for averaging and median calculation
TERMS & CONDITIONS

- Firm must have atleast one installation of quoted equipment with Real Time Shearwave Technology in public hospital.
- The clinical benefit of Real Time Shearwave Elastography must be demonstrated by atleast 03

articles published in peer reviewed recognized / index clinical journals of Radiology and hepatology
• The Firm must produce satisfactory letters from current users stated the benefits of Real time / can be called to specify

Shearwave Elastography

System and UFSWE Must be FDA and CE approved

8 Warranty

Three years warranty with parts alongwith upgradation of software

9 Clinic al Training

Master training 04 Doctors (Master Trainer Abroad)
Application Training will be conducted locally with application specialist.

10 Avai able of Parts.

Parts must be available for 10 (Ten) Years from date of installation

QUESTIONNAIRE / PERFORMA

(To be filled in by vendor for the entire quoted item)

Equipment		Model		
Manufacturer		Supplier		
1	Year of Introduction of the offered model:			
	Version (if same model revised):			
2	Number of equipment installed (please provide names of institution for Pakistan / Karachi)			
	World wide			
	In Pakistan			
	In Karachi			
3	Manuals to be provided	Yes	No	
	Service	_____	_____	
	Parts List	_____	_____	
	Electrical Drawing / Schematics	_____	_____	
	Operational / Application	_____	_____	
4	Spare parts Availability Guarantee (No. of years)	_____		
5	Source of spares availability	_____		
	Local _____ Overseas _____			
6	Equipment life period (number of years)	_____		
7	Do you hold specialized tools / test equipment required for:	Yes	No	N/A
	Maintenance	_____	_____	_____
	Calibration	_____	_____	_____
	Please provide list of tools / test equipment including their calibration status on a separate sheet			
8	Annual Maintenance contract price:			
	Parts and labor	_____		
	Labor without parts	_____		
9	On call service charges			
	Minimum	_____		
	Per day	_____		
	Back up engineer support whenever requested	_____	_____	
	Prompt supply of spares / consumables	_____	_____	

10	Are you authorized representative of manufacturer	Yes _____ No _____	
11	No of factory trained engineer available locally on offered equipment (provide training certificate & years of experience)	_____	
12	Total number of years in business	_____	
13	Warranty period (please provide following details)		
	Uptime guarantee	_____ %	
	Response time to maintenance requested	_____ Hrs	
14	Do you have any objection / concerns to use similar specification spares of alternate / other manufacturer during warranty of maintenance contract (if available)	Yes _____ No _____	
15	Comprehensive engineer training if yes state what included		
	Training Fees	Yes	No
	Airfare	_____	_____
	Boarding / loading	_____	_____
	Free of charge	_____	_____
	None of the above	_____	_____
16	Up-gradation possibility		
	Hardware Yes / No		
	Software Yes / No		
	If above has any cost please provide the details of up-gradation with estimated price: _____ _____		
17	Pre installation services requirements		
	Power	_____ KW	
	Gas	_____ Cu.ft/hr	
		_____ PSI (pascal)	
	Voltage	_____ Single/three phase	
	Water	_____ Gallons/liter hour	
	(if pre treated water required, please provide details)		
	Air	_____ PSI	
	Vacuum	_____ mmgh	
	Other (e.g. Drain, Exhaust, Physical facility change etc)	_____	
Installation / commissioning by whom			
18	Environmental Parameters limits		
	Temperature _____ to _____ centigrade / fahrenheit		
	Humidity _____ to _____ % RH		
	IEC 601 International Electro Technical Commission (Code 601)		

19 Any other specific requirement (e.g. UPS, Voltage Stabilizer etc. provide details)

20 Briefly state facilities and benefits provided during warranty period

21 Please give the rates of consumable, disposable items and parts required for proper functioning of machine / equipment life period of each item (in days / months)

Note: The said Performa should be filled by the vendor to provide information of the entire quoted item

Suppliers' Name _____

Authorized Signature: _____

Designation: _____