

ATTACHMENT
(See regulation

PUBLIC PROCUREMENT REGULATORY
AUTHORITY (PPRA)

CONTRACT AWARD PROFORMA – I

To Be Filled And Uploaded on PPRA Website In Respect of
All Public Contracts of Works, Services and Goods Worth
Fifty Million or More

- NAME OF THE ORGANIZATION/DEPTT:- Pakistan Institute of Medical Sciences, Islamabad.
- FEDERAL / PROVINCIAL GOVT. Federal Govt.
- TITLE OF CONTRACT:- 128 Slice CT Scan Latest Technology True Detectors Based System with Workstation.
- TENDER NUMBER 03/2020-2021/PIMS
- BRIEF DESCRIPTION OF CONTRACT:- Equipment was approved by PC-1 at the cost of 116.25 Million administrative approval was received vide letter No. 14-3/2019-Dir (P&D) dated. 07th September, 2020
- TENDER VALUE: 767,000/- U.S Dollar
- ENGINEER'S ESTIMATE Not Applicable
(for civil Works only)
- ESTIMATED COMPLETION PERIOD 120 days after the opening of L.C
- WHETHER THE PROCUREMENT WAS INCLUDED IN ANNUAL PROCUREMENT PLAN? Yes
- ADVERTISEMENT:-
 - (i) PPRA Website:- TS431394E Tender Notice # 03/ 2020-21/PIMS Yes / No (Federal Agencies)(If yes give date and PPRA's tender number)
 - (ii) News Papers Yes the Frontier Post , Daily Duniya, and Daily Ahsas. (If yes give names of newspapers and dates)



Tender Notice No. 03/2020-2020/ PIMS,
Opening Date & Time : 15-10-2020 at 11.30 AM
The following firms purchased the tender documents:-

TS # 02	TENDER FOR THE PURCHASE OF 128 SLICE CT SCAN LATEST TECHNOLOGY TRUE 64 DETECTORS BASED SYSTEM WITH WORKSTATION.
1	M/s. Medequips (Pvt) Ltd, S.M.C. H. No 430, Main Service Road, I-8/2, Islamabad. Ph.4446817-8, Fax # 4446819.
2	M/s. Matora Digionics (Pvt) Ltd, 30-West, Block-A, 3 rd Floor, Royal Plaza, AK Fazal-e Haq Road, Islamabad. Ph:051-2801366-67, Fax. 051-2801369.
3	M/s Siemens Healthcare (Pvt) Ltd. EOBI House 4 th Floor Mauve Area Sector G-10/4 Islamabad. Ph. 051-2355822.
4	M/s. Shirazi Trading Company (Pvt) Ltd, Plot No.41, Ataturk Avenue, East End Block, Blue Area, Islamabad. Ph.2206349, Fax.2278265.
5	M/s. Hoorra Pharma (Pvt) Ltd:- House # 402, Street No.15, Chaklala Scheme-III, Rawalpindi. Ph.051-35153257.



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**TENDER SCHEDULE FOR THE PURCHASE OF 128 SLICE CT SCAN LATEST TECHNOLOGY TRUE 64
DETECTOR BASED SYSTEM WITH WORKSTATION, DUE ON 15-10-2020 AT 11.00AM.**

Tender Schedule No.02

Sr.#	Description	Country of Origin	Manufacturer	Qty
1	128 SLICE CT SCAN LATEST TECHNOLOGY TRUE 64 DETECTOR BASED SYSTEM WITH WORKSTATION:- Make			01
2	Model			
3	Country of origin: USA,EU and Japan			
4	Certification :- FDA, JIS & CE (at least Two)			
5	Sole Agent certificate			
6	Annexure " B" Performa filled properly			
7	Attached list of Trained technical staff			
8	Attached list of Available tool / test equipment			
9	03Y ears Manufacturer's comprehensive warranty of the 128 SLICE CT SCAN LATEST TECHNOLOGY TRUE 64 DETECTOR BASED SYSTEM WITH WORKSTATION of the provided system.			
10	Local office /workshop			
11	Technical data sheet original brochure both technical and sales.			
12	Clinical Purpose:- <ul style="list-style-type: none">It is used in cases of head trauma, bone diseases, abdominal and chest imaging as well as staging of tumors and gastrointestinal studies.			
13	GANTRY:- <ul style="list-style-type: none">System should be capable of Acquiring /Generating 128 slices per gantry rotation in real time.Gantry bore / aperture to be at least 70 cm or more.Minimum gantry rotation time to be at least 0.35 seconds or better, for 128 slices per 360 degree rotation, for all applications.			

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	<ul style="list-style-type: none"> • All the firms should quote their latest model scanner with shortest rotation time • Breath holding time 05 sec or less in cardiac scan. • System should be able to acquire helical OR sequential scan with the gantry tilted from the vertical. • Gantry tilt range must be + 30 degree. • Maximum scan field of view to be at least 50 cm. For Paeds & Children the system should be able to reduce the field of view to 250 mm. • Minimum slice thickness 0.625 mm or better in Helical mode. • Dual Control (including tilt) of gantry and table from the gantry-housing and console. 		
14	<p>TUBE:-</p> <ul style="list-style-type: none"> • Heat storage capacity of at least 7 MHU or better. Generator output of up to 550mA or more. • Active collimation during scanning. 		
15	<p>GENERATOR:-</p> <ul style="list-style-type: none"> • High frequency power generator with minimum power of at least 70 KW or more should be capable of variable kV setting in steps from 80 to 135/140 KVP. • Should have ability to vary the power (mAs) automatically in steps Real-time dose reduction hardware / software and with ECG modulation Iterative dose reduction must be offered. • Low contrast detect ability (LCD) calculated on a CATPHAN 20 cm, of 5 mm resolution with a • CT No. of 3 HU (0.3 %) or better, contrast difference • Scan Length of at least 1.7 meters or more of helical or axial scan in a single acquisition. • Maximum Scan Time 100sec. or better. 		
16	<p>DETECTORS:-</p> <ul style="list-style-type: none"> • Solid state crystal / ceramic detectors with conversion efficiency (x-ray to signal strength) of nearly 98% latest technology. • Isotropic voxel size of 0.35 mm or better, in all three axis. • Minimum 64 Detectors and detector electronics capable of providing 128 slices per gantry rotation. 		

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17	<ul style="list-style-type: none">• Detectors width 38 mm or more. <p>COUCH:-</p> <ul style="list-style-type: none">• Dual motorized control (from console and gantry) of table movements in horizontal and vertical axis.• Maximum weight allowed on the couch up to 200 kg or more Horizontal movement speed up to 100 mm per second.• Single acquisition scan range of at least 1.8 meter.• Scan with at least 0.25 mm accuracy / reproducibility on a 200 kg patient.• Lateral movement table.			
18	<p>CONSOLE COMPUTER:-</p> <ul style="list-style-type: none">• System architecture and operating system must be based on latest technology.• (64 bit RISC or Dual Xenon Processor PC) original.• Multitasking and parallel processing CPU system.• At least 8 GB RAM or more• Hard disc capacity for image storage of at least 500 GB or more.• Capable of storing at least 3000 raw data files / rotations or 700 GB raw data / 450000 images in 512 x 512 format.• Reconstruction of at least 25 images FRAMES per seconds or better at 512 x 512 matrix. Imagearea display matrix dimensions (1024 x 1024).• Console color monitor (X 02), LCD of at least 19 inches, medical grade with maximum viewing angle.• DVD and CD writer			
19	<p>SOFTWARE:-</p> <ol style="list-style-type: none">a. All the latest whole body & cardio-vascular software should be supplied as standard which is available at the time of shipment original with their part No of company.b. USER INTERFACE SOFTWARE True isotropic volume acquisitionc. Prospective and retrospective ECG gated acquisitiond. Variable Delay algorithm like fixed percent delay (FPD) and fixed offset delay (FOD) ore. better, for selection of period of least motion in cardiac cycle (temporal resolution of 44 millisecond or less will be preferred)			

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	<p>f. Automated contrast media bolus tracking software. g. 3D Reconstruction Display Original Company Software. h. Maximum and minimum intensity projections i. Multi-planner and curved planer reconstruction j. 3D shaded surface display k. 3D volume rendering software l. 3D virtual endoscopy, colonoscopy with lumen / fillet view /electronic cleansing / auto segmentation of the colon and bronchoscopy. 3D cone beam correction.</p>			
20	<p>CT Angiography:- a. Basic Comprehensive Brain perfusion analysis. b. Image reconstruction Automatic real time dose adjustment according to the body attenuation i.e. core 4D dose/longitudinal dok workstation/ 40 boost/ sure exposure. 3D/ organ specific dose modulation or similar. c. Artifact reduction algorithm. d. Automatic control of tube current over high and low attenuation areas for patient dose reduction software for low dose to patient original / certified. e. Iterative Dose Reduction Software. f. Bone removal software. g. Mattel artifact reduction software. h. Dental CT i. Optimal dual energy to be separately quoted.</p>			
21	<p>WORK-STATION:-</p> <ul style="list-style-type: none"> • Thin client server solution with 7 license user As per OEM) • Independent, automatic multimodality, fully functional. All companies will supply the Work-stations by the manufacturer that they provide world-wide as a standard. Work-stations will be supplied from manufacturer of CT to ensure similar work flow. • High speed link to operator console on DICOM network • System architecture and operating system <ul style="list-style-type: none"> a. Dual processor Xeon b. 2.66 GHz or more speed 			

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	<p>c. 512 cache or more d. Graphic cord and network cord</p> <ul style="list-style-type: none">• Original Licensed software: Window XP/7/8 or Linux, MS Office 2013, Norton / equivalent antivirus (current and upgradeable for at least for the time of warranty)• Should have at least one high resolution LCD monitor (medical grade as recommended by the manufacturer) of 18 inch or more• DVD RW (super-drive will be preferred)• DICOM-3 viewer capability (licensed)			
22	<p>WORKSTATION SOFTWARE:-</p> <ul style="list-style-type: none">• (Original with certificate) with thin client, server with 7 concurrent users).• Software up-gradation of all existing applications for life time will be provided free of cost. Following software will be provided at the workstation of the same origin as are being used in USA/EUROPE & JAPAN. 3D Reconstruction display.<ol style="list-style-type: none">a. UPS 3 KVA (x 08), Branded, dry battery capable of providing 20 minutes of back-up for workstations (MG, APC, MC, Chloride, Riello, Emerson). The dry batteries will be included in company warranty.b. Heavy duty Laser black and white printer (qty: 7) A4 /letter size 2400 dpi or higher, two paper trays for A4/ letter size media, (HP, Lexmark, Xerox, CANNON) network-ready DICOM. DICOM 3 ready (multi-vendor and multimodality compatible for send, receive, achieve, retrieve and print, on main console and workstations).			
23	<p>POWER REQUIREMENT:-</p> <ul style="list-style-type: none">• Three phase with line voltage of 380-440V, 50HZ.			
24	<p>ACCESSORIES: (Procuring agency to select as per its actual requirement):-</p> <ul style="list-style-type: none">• Programmable, dual head power injector with flow/volume and temperature control.• Mounted on mobile base, with 500 syringes of 150 ml capacity and connecting tubes (Medrad, Medtron / Mallen, Nemoto).• DICOM 3 ready dry laser camera / imager, Multi-size up to 14 x17 in. (Agfa, Fuji, Kodak/Carestream, Konica) for black and white printing on films including 5000 films.			

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25	<p>Protection devices:</p> <ul style="list-style-type: none"> • Lead aprons with hangers. • Lead-gloves • Lead goggles • Thyroid Shields all 0.5 mm lead equivalent European & Japanese. • Lead glass for control room , 0.5 mm lead equivalent. • Standard set of Phantoms for calibration of CT • Pediatric scanning package - software and hardware original. • Digital Transcription system for reporting (hand held units – x 03, and Complete steno-type desktops unit (x 02) 			
26	<p>OPTIONAL: Fat software OR Equivalent.</p>			
27	<p>SITE PREPARATION/INSTALLATION:</p> <ul style="list-style-type: none"> • Complete Site renovation of CT, Console and UPS room, including lead shielding of the CT room and doors, Air-Conditioning, False ceiling, painting, Antistatic flooring, • Electrical DB, Earthing and Power cable from Main Transformer / Hospital • LT Panel will be the responsibility of the supplier. The installation will be a turnkey project and any modification in the existing site will be the responsibility of the firm. The firm will be responsible for complete interface free installation keeping in view the requirement and recommendation of manufacturers and its surroundings to ensure artifacts examinations/procedures. 			

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THE VENDORS WILL QUOTE THEIR RATES ACCORDING TO BELOW MENTIONED FORMAT:-

PART -1

FINANCIAL BID PROFORMA FOR THE PURCHASE OF, INCLUDED IN PROJECT TITLED "PROCUREMENT OF 128 SLICE CT SCAN LATEST TECHNOLOGY TRUE 64 DETECTOR BASED SYSTEM WITH WORKSTATION RADIOLOGY DEPARTMENT OF PIMS, ISLAMABAD"			
S.#	Description	Rate per each in word US\$ on C&F Islamabad basis.	Rate per each in Figure US\$ on C&F Islamabad basis.
01	128 SLICE CT SCAN LATEST TECHNOLOGY TRUE 64 DETECTOR BASED SYSTEM WITH WORKSTATION, WITH 03-YEARS WARRANTY:- (QTY-01)		

PART -2

COMPREHENSIVE MAINTAINANCE CONTRACT FOR THE PURCHASE OF 128 SLICE CT SCAN LATEST TECHNOLOGY TRUE 64 DETECTOR BASED SYSTEM WITH WORKSTATION OF THE PROVIDED SYSTEM, INCLUDED IN PROJECT TITLED "PROCUREMENT OF MRI EQUIPMENT FOR RADIOLOGY DEPARTMENT OF PIMS, ISLAMABAD", WITH EFFECT FROM 4 th YEAR TO 05 th YEAR.		Cost in US\$.
S.#	Description	
03	Cost of Maintenance contract with parts for 4 th year	
04	Cost of Maintenance contract with parts for 5 th year	
	Total Cost of Maintenance contract with parts from 4 th year to 05 th year	

PART -3

S.#	Description	Cost in US\$
01	Cost of Part -1	
02	Cost of Part -2	
03	Grand Total Cost of Part -1+ Part -2 in US\$	

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The currency exchange rate will be considered on Financial Bids opening dates as per State Bank of Pakistan.
The quoted cost of Comprehensive Maintenance Contract should not be more than 10 % (average per year).
Lowest bidder will be determined on the basis of Cost of Part-1 + Cost of Part-2 is equal to Part-3. i.e. Cost of the equipment + Cost of the Comprehensive Maintenance Contract with effect from 4th year to 05th year.

The payment for comprehensive maintenance contract will be made on quarterly basis in Pak. Rupees. The currency exchange rate will be calculated on first day of agreement according to the buying rate of US\$ by the State Bank of Pakistan. All the equipment accepts consumable will be covered under Comprehensive Maintenance contract.


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