

Tender No:

UHKDU/PRO/SOGE/SVS/0271/ 2022



University Hospital Kotelawala Defence University
Werahara ,Boralesgamuwa
Sri Lanka
T:Phone: 0112044555
Fax: 0112044592
Web:

30 / .05 / 2022

INVITATION TO BID AND GENERAL CONDITIONS OF TENDER

1. The Vice Chancellor of the General Sir John Kotelawala Defence University, as the Chairman, Department Procurement Committee invites Bid/s from prospective Bidders for rent of Service & Maintenance Agreement For Condenser Water & Chilled Water System.

2. **CLOSING DATE & TIME.** The tender will close at 1400 hrs on **08/06/2022** Any Bid submitted after the closing time of the tender will be rejected & unopened such bids will be returned to the bidder.

3. **VALIDITY OF BID.** The bid submitted under this tender **must be valid for a period of 120 days from the date of closing of tender.**

4. **BID BOND / GUARANTEE.**
(a) If the quoted bid value exceeds Rs: 2,000,000.00, such Bids should be accompanied with 1% of Bid Value an “on demand” and “unconditional” Bid Bond/Guarantee for a sum of **Rs:** in the format given in Annex “C” through a recognized local Bank or Insurance Company registered in Sri Lanka which is authorized by the Insurance Board of Sri Lanka to issue such Bid Guarantees. All Bid Bond/Guarantees should be valid for at least 30 days more than the validity period of bids, ie, for 150 days from the date of Bid opening. **Cheques will not be accepted as Bid Guarantee.**

(b) Submission of insufficient Bid Bond/Guarantee value or period will be considered as a “**major deviation**” and such offer will not be considered for further procurement action and will be rejected.

5. **VALUE ADDED TAX.** The Bidders who bid for locally delivered items must have the VAT registration. The VAT portion must be shown separately in the price schedule in Annex “A” and VAT registration number must be indicated. If the quoted item is exempted from VAT or Bidding Company is not liable for VAT, reference number and date of relevant Act number/Gazette notification/a certificate (as applicable) **issued for the current financial year** from the Commissioner General of Inland Revenue to that effect should be submitted along with the Bid.

6. **BID SUBMISSION.** The **bidder must duly sign at the last page (before Annexes) of this document** indicating the name of the signatory and the name of the company & place the company common seal to confirm the acceptance of tender conditions. **The Bid/s that do not include authorized signature will be rejected.** The Bid/s duly signed by the bidder enclosed and sealed in an appropriate cover addressed to the following address should be sent by registered post or could be deposited in the **appropriate tender box placed at University Hospital Kotelawala Defence University, Werahara** (at the Main Entrance of University Hospital Kotelawala Defence University) on or before the time & date specified for the closing of tender. **The tender reference number, date & time of closing tender should be indicated & underlined at the top left corner of the envelop.**

Tender Ref No :.....
Closing Date & Time :1400 hrs on 08/06/2022.....

The Chairman,
Department Procurement Committee,
University Hospital Kotelawala Defence University,
Werahara,
Sri Lanka.

7. The Bid/s must be submitted in the attached schedule of prices in Annex “A” as applicable. However, bidders could use similar formats prepared with their own letter heads with all the details mentioned therein and submit in **three copies along with duly signed copy of a General Conditions of tender.** The Bid/s must contain **Technical Literature, Pamphlets, Drawings and Quality Standard Certificate etc** necessary to determine characteristics of items offered and in case of Machinery/Vehicles & Equipment, servicing and workshop data/after sales service, back up facilities or any other facilities provided by the supplier.

8. **SUBMISSION OF SAMPLES/PAYMENT OF TESTING CHARGES.**
When it is required to submit samples, **every offer** must be accompanied with pre - marked samples. The marking of samples **indicating the Bidder & Offer number** must be done and the samples must be handed over to the officer at same place where tender box is placed **on or before the closing date & time of the Bid.** Samples submitted after closing time of the Bid will be rejected. The documents such as Air Way Bills etc, will not be accepted in place of samples. When the testing charges are required to be paid, bidders shall pay testing charges separately **for all offers** indicated in their bid/s.

(1) **Samples.** Please submit samples.

(2) **Testing Charges.** A sum of Rs. **per offer** must be paid to the Bursar of KDU, prior to the submission of bid and a copy of the receipt must be annexed to the bid. It is the responsibility of bidder to inform the Cashier of the Account Office to note the tender number on the receipt issued for such payments.

8. **BID OPENING.** All duly received bids **will be opened immediately after the scheduled closing time of Bids at the same venue.** Bidders or their accredited agents could be present at the time of opening of bids.

9. **PRICES.**
For locally delivered items (including locally manufactured items & foreign items imported by the bidders) price must be quoted in Sri Lankan Rupees, inclusive of all charges for delivery of items to University Hospital General Sir John Kotelawala Defence University Werahara., **Unit price, VAT and Total price should be clearly indicated in schedule in Annex “A”.** Other than VAT, all other type of taxes (eg : NBT, BTT, etc.) should not be indicated separately and should be included in unit price.

10. **RESTRICTED TENDERS.** Invitation to Bids are circulated among the registered suppliers with Ministry of Defence (MOD), only bids submitted by registered suppliers will be allowed for consideration. However, Chairman, Department Procurement Committee reserves the right to invite the bids from multiple combinations of Procurement Methods as stipulated in Chapter III of the Government Procurement Guideline, 2006 to ensure highest competitiveness.

11. **PERFORMANCE BOND/GUARANTEE.** A successful bidder shall furnish a Performance Bond/Guarantee in the form of "On Demand" & "Unconditional" Bank/Insurance Guarantee for a sum equivalent to 10% of the contract value for every contract that exceeds Rs. 2,000,000.00 or equivalent amount in foreign currency through a recognized Commercial Bank registered in Sri Lanka or through an Insurance Company authorized by the Insurance Board of loss resulting from the supplier's failure to complete his performance obligations under the contract. If the contracted supplier fails to deliver the items Sri Lanka to issue such Performance Guarantee for this purpose, **within two weeks from the date of notification of award.** The proceeds of the Performance Bond/Guarantee shall be payable to the Vice Chancellor of the General Sir John Kotelawala Defence University as compensation for any o

12. time or fails to complete the works as per the agreed contract, **THE TOTAL VALUE OF THE PERFORMANCE BOND/GUARANTEE** will be forfeited. If only partial delivery is made during the agreed contract period, the corresponding value percentage of undelivered quantity from the Performance Bond/Guarantee will be forfeited.

13. **SIGNING OF CONTRACT.** The notification of award will be transmitted to the successful bidder by post, by fax or e-mail. This notification constitutes the formation of the contract. The successful bidder should submit his written acceptance for the award and performance bond / guarantee (For awards over Rs. 500,000.00 without VAT) within 14 days of receipt of such notification. Upon acceptance of the award and furnishing of the Performance Bond/Guarantee, the successful bidder will have to enter into a formal contract with the Vice Chancellor of the General Sir John Kotelawala Defence University by signing the Contract.

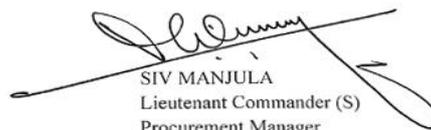
14. **DELIVERY.** Preference will be given for early delivery. In case of bulk supplies for locally manufactured items, the delivery of **total quantity must be completed within 120 days of signing of contract,** unless mutually agreed for extended delivery period with University Hospital Kotelawala Defence University. **The bidder/s must indicate the proposed delivery schedule in Annex "E".** In the event of placing a purchase order with the successful bidder, the total quantity so ordered must be supplied as one consignment unless part deliveries are agreed upon in the contract. The deliveries not made as per agreed delivery schedule will be considered as bad performances by the suppliers and **no extended delivery period will be authorized.** Under extreme unavoidable conditions too, the Chairman, Department Procurement Committee (Vice Chancellor of the General Sir John Kotelawala Defence University) reserves the right to grant or refuse delivery period extensions only within the current financial year with or without liquidated claim for delayed deliveries and that decision will be final.

15. **LIQUIDATED DAMAGES.** In case of delivery period extensions requested by the successful bidder, a sum equivalent to 2% of the total value of the delayed supply per delay of one week or part thereof may be deducted from the payment due to the supplier from the University Hospital General Sir John Kotelawala Defence University as liquidated damages up to the maximum limit of 10% of the total value of delayed supplies.

16. **PAYMENT TERMS FOR LOCALLY DELIVERED ITEMS.** Payment will be made after acceptance of items which should be subjected to a pre-acceptance inspection/testing by University Hospital General Sir John Kotelawala Defence University authorities. The delivery made to University Hospital should not be considered as quantities taken over by University Hospital General Sir John Kotelawala Defence University until items are properly accepted after pre-acceptance inspection. Any item that does not conform to the specifications or already approved sample will be rejected & it is the responsibility of the supplier to remove them from University Hospital stores/premises within 07 working days of such intimation (either verbal or written) at his own cost and replace them with items conforming to specification within one month of such rejection. The bidder shall allow approximately 60-90 days period of credit from the date of acceptance of items for Account Office, University Hospital General Sir John Kotelawala Defence University to obtain liquid cash from General Treasury & release the payment.

RIGHTS OF THE PROCUREMENT COMMITTEE. The Department Procurement Committee reserve the right to accept or reject whole or part of this tender and their decision will be final. The successful bidders will be notified. Information with regard to rejected or unsuccessful bids will not be communicated.

Thanking You
Yours Faithfully


SIV MANJULA
Lieutenant Commander (S)
Procurement Manager
For Vice Chancellor
University Hospital Kotelawala Defence University

I/We agree to abide by the conditions of tender and undertake to supply the items as per delivery schedule mentioned in the contract, in the event of an order been placed with me/my firm/company as a result of this tender.

..... Signature
..... Name of Signatory

.....Name of the Company/Bidder

Date :-

Company seal

SCHEDULE OF PRICES FOR LOCALLY DELIVERED ITE

S/N	ITEMS	NO OF ITEM	UNIT	QTY	PRICE EACH SLRS	TOTAL PRICE SLRS
01	Service & Maintenance Agreement For Condenser Water & Chilled Water System UHKDU.					
	Technical Details Attached in Annex "B"					
	TOTAL					
	DISCOUNT					
	TOTAL(AFTER DISCOUNT)					
	VAT %					
	GRAND TOTAL					

2. a. validity :12 months from the date of closing of tender

3. VAT Registration No.:

4. Name of the Company :

5. Testing Charges Paid. : Rs.....

Receipt No and Date :

6. Signature of Bidder :

7. Date. :

8. MOD registered No. : Company Seal :

Procurement Manager
University Hospital
General St. John's Kotelawala Defence University
Mawatha

WATER TREATMENT AND MAINTENANCE OF CONDENSER AND CHILL WATER OF CENTRAL AIR CONDITION SYSTEM AT UHKDU.

Following instructions/requirements needed to be fulfilled by the bidders for Chemical water treatment of Condenser water and Chill water of Central Air Condition System at UHKDU.

1. Technical Details of the Condenser water and Chilled water are as follows,

a. Condenser Cooling Data

System Information		Cooling Tower 01	Cooling Tower 02	Cooling Tower 03	Cooling Tower 04
Cooling tower make		LSAN-EHI RLC999			
Re circulation rate (Engineering Estimated)	m ³ /hour	500	500	500	500
No of hours of Operation	Hours/day	24	24	24	24
System Operation		Two in operation and one in stand-by			
Operation	Day/week	7	7	7	7
Interconnected/Isolator		Interconnected			
System Volume (Estimated)	Litres	150,000			
Cycle of concentration		10 cycles			
Delta T (Estimated)	°C	5	5	5	5
Make-up water rate (Engineering estimate)	Litres	4,583 Lites/hour/tower			

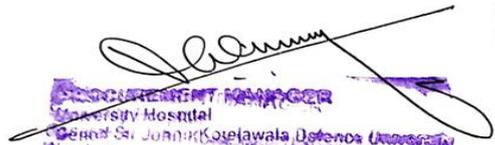
b. Chill Water System Data

Chiller Holding Capacity: 1,000,000 Liter (Approx.)

c. Cooling Tower System Data

04 No's of Cooling Towers (02 in operation, 01 standby)

All Cooling Towers are inter-connected and integrated in the system.


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 University Hospital
 General Sir John Kotelawala Defence University
 Moratuwa

d. Open Cooling System data for one Cooling Tower

Re-circulation per tower : 500 m³/hr
Number of cooling Towers : 03 No's + 01 standby
Number of hours of operation : 24 hr/day, 7 days/week
Total system volume : 150,000 ltrs (for 4 cooling towers)
Estimated delta T : 5 °C

e. Operation Sequence

02 Cooling Towers are operating and 01 standby.

f. The makeup water analysis (Municipal water is used as makeup water)

Total Hardness	15 – 25 ppm
Total dissolved solid	60 – 100 ppm
pH	6.8 – 7.7
Chloride	5 – 10 ppm
Alkalinity	5 – 10 ppm
Iron	0.1 – 0.2 ppm
Silica	5 – 10 ppm

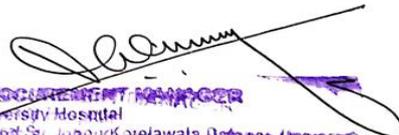
g. Water Quality Parameter to be controlled :-

Cooling water parameter

S/No.	Description	Specified Limit
01	Electrical Conductivity	Less than 1000 µs/cm
02	Total Dissolved Solid (TDS)	Less than 750 ppm
03	PH	7.2 – 8.6
04	Total Alkalinity	Min. 50/Max. 200 ppm
05	Calcium Hardness	300 ppm Max.
06	Total Iron	Less than 1 ppm
07	Concentration Factor	Max 10

h. Chill water parameter

S/No.	Description	Specified Limit
01	pH	9.0 – 10.0
02	Nitrite	300 - 600 ppm


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Genl. St. John (Kotla) Jodhpur University
Jodhpur

2. Service work scope

a. Chemicals for Water Treatment:

Chemicals shall be Ozone friendly suitable for effective cooling water treatment in open circulating system.

b. Corrosion and Scale Control for Chill Water

The Product

- (1) Should have capability to control scale and corrosion.
- (2) Shall have characteristic of formation a protective film on metal surfaces to prevent corrosion.
- (3) Should be effective over a wide pH range between 9 – 10.
- (4) Should not be Chromate based.
- (5) The preferred product should be Nitrite based with yellow metal inhibitor to control mild steel, copper and admiralty brass.

c. Bio Controller

The Product

- (1) Shall be oxidizing and Non-oxidizing bio controller combination to control algae, fungus and bacteriological slim.
- (2) Shall be compatible with copper, steel, cast iron and copper containing alloys.
- (3) Shall be compatible with scale and corrosion inhibitor.
- (4) Should not have the Copper Sulphate based bio controller.

d. Bio dispersant and anti-fouling agent

The Product

- (1) Shall be a synthetic organic penetrate polymer based chemical for the protection of open circulating system form mineral scale and fouling.
- (2) Shall inhibit the formation of mineral scale.
- (3) Shall be dispersing slit, iron and other suspended solids.
- (4) Shall be compatible with the corrosion and scale inhibitor offered.

e. Requirements to be complied with

- (1) Requirement of Chemicals shall be for a period of twelve (12) months
- (2) Monthly chemical treatment cost to operate for cooling towers as appropriately.


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University Hospital
Gen. Sri Jhansi Kotelawala Defence University
Morrehera

- (3) The Chemical shall be supplied in factory sealed containers. The original product brochures/literature and material safety data shall be accompanied with the Offer.
- (4) The delivery of Chemical shall be in three (03) batches per year, to prevent systematic deterioration of Chemical due to passage of time.
- (5) Each batch shall be sufficient for four (04) months.

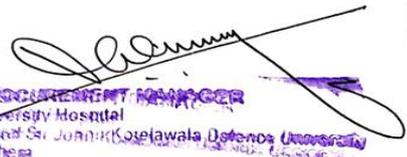
f. System Control Requirement

- (1) 03 No's chemical dosing pumps which is already installed at the site to be utilized for the operation.
- (2) If any matter or other related requirements has to be separately indicated in the offer.

g. Treatment Program

- (1) The Bidder shall have to provide technically sound program for Treatment of Cooling Tower Water and Chill water to the given specifications and Supply of Chemicals for 12 months as per contract period.
- (2) The program shall include monthly visit to carry out on site water sample analysis in order to monitor quality of circulating cooling water and chill water. On site pH and TDS to be tested and feedback to forward to the Senior Mechanical Engineer - UHKDU.
- (3) All the bidders have to submit monthly reports including their observations, findings and recommendations for corrective actions. Water analysis report for cooling towers and chill water to be submitted together.
- (4) All the bidders to submit an independent water analysis report obtained from reputed laboratory which is subjected to analysis of circulating water for each Cooling Tower and chill water System in order to assure the performance of the Chemical Treatment.

Note: Service provider to be forwarded a comprehensive study report for utilizing respective chemicals for Condenser water and Chilled water system.


PROCUREMENT MANAGER
Materiy Hospital
General Sir John Kotelawala Defence University
Mawatha

DELIVERY SCHEDULE

(IT IS MANDATORY TO FILL THE FOLLOWING SCHEDULE BY THE BIDDER) TENDER NO :

ITEM : QTY :

DURATION	QTY
EX STOCK QTY (WITHIN 01 WEEK)	
01MONTH	
02 MONTHS	
03 MONTHS	
04 MONTHS	
TOTAL	

NAME OF THE BIDDER :

SIGNATURE OF BIDDER :

DATE :

COMPANY SEAL :



Handwritten signature and purple stamp of the Procurement Manager at University Hospital, General St. Joann Kotelawala Deenoo, Marshera.

SPECIMEN FORM OF BID SECURITY

By this Bond we (hereinafter called "the Bidder") and We (name of bank or insurance company) whose registered office is at (hereinafter called "the Surety") are held and firmly bound onto (hereinafter called the Authority") in the sum of for the payment of which sum the Bidder and the Surety bind themselves their successors and assigns jointly and severally by those presents.

Whereas the authority has invited the Tender and other persons to compete tenders in similar terms for the supply of and to submit the same for the consideration of the Authority, and the Bidder proposes to submit to the Authority a Bid (hereafter called "the Bid") in accordance with such invitation, the Bond shall provide security to the Authority that the Bidder will honour certain obligations to be undertaken by him in the Tender in accordance with the following conditions.

Now the Conditions of this Bond are:

- (a) That it shall remain in full force and effect until the earliest of
 - (i) (Date), being () days from (submission date), the date stipulated by the Authority for the submission of tenders, or any prolongation of such date above notified to the Authority by the Bidder and the Surety in writing.
 - (ii) In the event of acceptance of the Tender by the Authority, the date upon which the Bidder provides a performance security to the Authority in accordance with the terms of the contract thereby made between them, or
- (b) Subject to this Bond being in full force and effect, the Surety shall pay the full amount specified in this Bond upon receipt of first written demand form the Authority stating that.
 - (i) The Bidder has withdrawn his Tender during the validity of this Bond, or
 - (ii) The Bidder has failed to provide a performance security to the Authority in accordance with the terms of the tender within 14 days from receipt of intimation of award of the Tender.

No alteration in the terms of the Tender, nor any forbearance of forgiveness in or in respect of neither any matter or thing concerning the Tender on the part of the Authority, nor any objection from the bidder shall in any way release the Surety from any liability under this Bond.

The benefit of this Bond shall not be assignable by the Authority and upon its ceasing to be in full force and effect the Authority shall return the same to the Bidder.

This Bond shall be governed by the laws of Sri Lanka

I executed as a deed on this () day of () 20 ()

For and on behalf of the Bidder

For and on behalf of the Surety

Signed by -----

Signed by -----

In the capacity of -----

In the capacity of -----

and by -----

and by -----

In the capacity of -----

In the capacity of -----

Seal (where applicable)

Seal (where applicable)

