

Tender No:

KDU/PRO/LIB/4017/2020

-----  
-----  
-----  
-----



General Sir John Kotelawala Defence University,  
Kandawala Estate, Ratmalana, Sri Lanka.  
T: Phone: Exchange 2632028, 2622995  
Fax: OCLS 2622504  
Procurement Officer 2623599  
Web : www.kdu.ac.lk

24 /09/ 2020

**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 supply of **items listed in the schedule in Annex “A”. The relevant specifications of the items are indicated in Annex “B”.**

2. **CLOSING DATE & TIME.** The tender will close at 1000 hrs on 06 /10/2020 . 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 General Sir John Kotelawala Defence University, Kandawala Estate, Ratmalana** (at the Main Entrance of General Sir John 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** :.....

The Chairman,  
Department Procurement Committee,  
General Sir John Kotelawala Defence University,  
Kandawala Estate, Ratmalana,  
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.

9. **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.

10. **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 General Sir John Kotelawala Defence University Ratmalana, Faculty of Allied Health Science (FAHS) Werahera and University Hospital Werahera or Southern Campus Sooriyawewa. **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.

11. **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.

12. **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 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 loss resulting from the supplier’s failure to complete his performance obligations under the contract. If the contracted supplier fails to deliver the items on 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 General Sir John 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 1% 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 General Sir John Kotelawala Defence University as liquidated damages up to the maximum limit of 12% of the total value of delayed supplies.

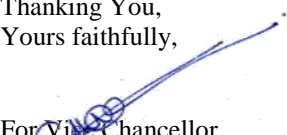
16. **PAYMENT TERMS FOR LOCALLY DELIVERED ITEMS.**

Payment will be made after acceptance of items which should be subjected to a pre-acceptance inspection/testing by General Sir John Kotelawala Defence University authorities. The delivery made to the General Sir John Kotelawala Defence University should not be considered as quantities taken over by 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 General Sir John Kotelawala Defence University 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, General Sir John Kotelawala Defence University to obtain liquid cash from General Treasury & release the payment.

17. **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,

  
For Vice Chancellor  
General Sir John 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



## Extra Specification : Yes

Sr. No.	Description	Specification	Compliance
1	<b>CAD</b>		
2	<b>General Features</b>	Software should support for both "History based Designing" and "History Free designing".	To be indicated by the supplier
3		Ability to modify a solid or a surface model by directly manipulating model's faces and edges while maintaining and recognizing the geometric relationships during change.	To be indicated by the supplier
4		Should work on native and imported/translated 3D models and rapid designing on the same.	To be indicated by the supplier
6		<b>Drafting features</b>	Standalone drafting and 3D generative drafting in a unified interface.
7	Advanced production drawing capabilities.		To be indicated by the supplier
8	Design review mode with capability to detail views, without loading parts into memory.		To be indicated by the supplier
9	Dynamic Detail views, section of section views, auxiliary views etc.		To be indicated by the supplier
10	Capability to define any face of a part or an assembly as a new principal view (ex - a chamfered edge to be defined as front view).		To be indicated by the supplier
11	Efficient Block technology in 2D with the capability to directly read blocks of other 2d file without opening that file.		To be indicated by the supplier
12	Readymade library of Industry standard symbols in the form of blocks like Piping/Hydraulic/Mechanical and Electrical symbols.		To be indicated by the supplier
13	Ability to highlight altered dimensions in different color while the part file is updated and locate them on the drafting sheet.		To be indicated by the supplier
14	Software should be able to create a hierarchical BOM of the assembly complete with mass of components, mass of quantity, cut length etc.in a single BOM table.		To be indicated by the supplier
15	<b>Part Modeling features</b>		Availability of both History Based and History free design methodologies in single environment for both parts and assemblies.
16		History free methodology should be a standard feature of the software and not to be installed separately.	To be indicated by the supplier
17		Software should have the capability to start creating part features such as extrude / revolve using history free approach.	To be indicated by the supplier
18		Software should have the ability to change the child features such as pattern / mirror through drag or dimensional edit and the parent should also get edited at the same time.	To be indicated by the supplier
19		Creation of parts at the assembly level { Top down design } by taking reference from other assembly components but without creating any sketches. Software should still be able to use assembly component's faces to create part features such as revolve, extrude and cut without creating any sketch geometry.	To be indicated by the supplier

20		Capability to transfer dimensions from imported 2d geometry while creating 3d and then using same.	To be indicated by the supplier
21		Same dimension {from 2d} to drive the 3d model with directional control. Capability to write formulas between these imported dimensions and drive the model changes.	To be indicated by the supplier
22		Software should have super features: Lip, Mounting Boss, Cooling Vent, Web network etc. in both history and history free mode.	To be indicated by the supplier
23		3D Product manufacturing information (PMI) on parts and assemblies for collaboration as per ASME 14.41.	To be indicated by the supplier
24		Direct Editing of imported data without concern for history. Software should be able to put 3d dimensions anywhere on the imported geometry and change part / assembly models with directional control.	To be indicated by the supplier
25	<b>Sheet metal designing features</b>	Software should have a dedicated and separate environment for sheet metal creation.	To be indicated by the supplier
26		Software should have both history and history free methodologies to create part features.	To be indicated by the supplier
27		Availability of Process Specific readymade features like Louvers, Dimples, Gussets with patterning capability within the command. No use of forming tools as punch features.	To be indicated by the supplier
28		Availability of Etch command on Sheet Metal parts. Once Etch is done, it should remain on the same face once the model is flattened.	To be indicated by the supplier
29		Software should show overall blank cut-size on flattening for sheet metal, part and surface bodies.	To be indicated by the supplier
30		Above mentioned functionality for native as well as imported geometry	To be indicated by the supplier
31		Above mentioned functionality for native as well as imported geometry	To be indicated by the supplier
32		Fully annotated Bend table with easy manipulation of bend sequence in 2d drafting sheet.	To be indicated by the supplier
33		Cross Brake support for stiffening large sheet metal parts.	To be indicated by the supplier
34	<b>Asseby part modelling features</b>	Software should have the capability to automatically place assembly relationships on imported assembly geometry.	To be indicated by the supplier
35		Flexible assemblies using flexible parts.	To be indicated by the supplier
36		Design Calculation automatically from the software.	To be indicated by the supplier
37		Software should have functionality to replicate components and welding features on desired parts throughout the assembly, irrespective of destination part's orientation.	To be indicated by the supplier
38		Software should have functionality to replicate components and welding features on desired parts throughout the assembly, irrespective of destination part's orientation.	To be indicated by the supplier
39	<b>Simulation features</b>	Software should have inbuilt Simulation capability both in part and assembly environment.	To be indicated by the supplier

40		Software should offer Linear Static, Vibration, Buckling and heat transfer analysis capabilities.	To be indicated by the supplier
41		Software should have Beam Modelling capability within Frame / Assembly environment for faster pre-processing and analysis.	To be indicated by the supplier
42	<b>Translators</b>	Support for neutral data translators: IGES, STEP, DWG, DXF, PARASOLID, JT, ACIS etc.	To be indicated by the supplier
43		Support for Native CAD data translators: UG, I-DEAS, Pro/E, Solid Works, Inventor, MDT, Catia V4 and V5, EMS, DGN etc.	To be indicated by the supplier
44	<b>Scalability</b>	Software should be capable of integration with CAM software such that model changes in CAD must automatically reflect and update in CAM software.	To be indicated by the supplier
<b>CAM</b>			
45	<b>General features</b>	CAM software should be integrated or associated with CAD software such that any changes in CAD model should reflect in CAM software. Also for change in CAD model, CAM software should notify programmer that programs are out of date with CAD model and allow for Automatic Regeneration of programs.	
46		Feature Based Machining which automatically identifies features & Creates Complete programs with appropriate tool selection from Library, also within the same software and User Interface.	
47		CAM Software should be able to analyse Draft, Minimum Radius, and Undercuts from model and be able to remove undercuts within the software. CAM software should be able to patch or delete holes within a single option for Milling.	
48		CAM software should have facility to build Post processor for all Milling, Turning and WIRE EDM machines through a simple User Interface. The Postprocessor creation user interface should allow for selection of type of machine, controller configuration of machine (2.5-5axes) etc. and create postprocessor automatically.	
49		Software should have Tool Library which can store Tool information such as Tool Type Tool Geometric Definition, Tool Material, Tool Feed & Speed based on Part Material Machined & Tool Feed & Speed based on Process (Roughing, Semi-finishing, Finishing)	
50		CAM Software should have Integrated Verification and Machine Simulation and not use any external third party software for the same. Integrated Verification and Machine simulation should be capable of handling turning machines, 3 - 5 axis milling machines (orthogonal & Non-orthogonal machines) & Mill-turn machines with multi channels.	
51		CAM Software should be able to create Templates or Macros for automation of milling and Turning Programming.	
52		CAM software should have inbuilt tutorials to train programmer on software.	
53		CAM Should be able to create /use the macro for the repeat programing.	

54		CAM software should even support 3DPrint/ additive manufacturing in future in case of any machines being in the same user interface.	
55		CAM Software should support complex machining like impeller, tube, blade, tire etc.	
56		Software should be able to create a hierarchical BOM of the assembly complete with mass of components, mass of quantity, cut length etc.in a single BOM table.	

**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 (For and on behalf of the Bidder) 20 ( ) 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)



**DELIVERY SCHEDULE**

(IT IS MANDATORY TO FILL THE FOLLOWING SCHEDULE BY THE BIDDER)

TENDER NO :

ITEM : .....

QTY : .....

<b>DURATION</b>	<b>QTY</b>
EX STOCK QTY (WITHIN 01 WEEK)	
01MONTH	
02 MONTHS	
03 MONTHS	
04 MONTHS	
<b>TOTAL</b>	

NAME OF THE BIDDER : .....

SIGNATURE OF BIDDER : .....

DATE : .....

COMPANY SEAL