



F/SOP/PC 01/11/00



**PROCUREMENT CELL**  
**NED UNIVERSITY OF ENGINEERING & TECHNOLOGY, KARACHI.**  
 BY REGISTERED A.D./COURIER SERVICE.  
**CONTRACT SCHEDULE**

1. Contract No: PC/NED/CE/Reality Device/6978/2021 / 3286 Dated: 01/11/2021
2. Name & Address of Contractor: M/s. AL-Hamza Enterprises
3. Contractor's Tender No. & Date: Nil 19-01-2021
4. Indenter's Name & Address: Chairman, Civil Engineering Department
5. Indenter's Indent No & Date: 14223 23-11-2020
6. Particulars of stores: As below.

Item No.	Description of Store	Acctg Unit	Price per A/U	Total Qty Reqd.	Total Value
01	Augmented/mixed reality device/glasses, complete in all respect as per following specifications, along with 1 year warranty. Display, Optics: See-through holographic lenses (waveguides), Resolution: 2k 3:2 light engines Holographic density: >2.5k radiants (light points per radian), Eye-based rendering: Display optimization for 3D eye position. Sensors Head tracking: 4 visible light cameras, Eye tracking: 2 IR cameras, Depth: 1-MP Time-of-Flight (ToF) depth sensor, IMU: Accelerometer, gyroscope, magnetometer, Camera: 8-MP stills, 1080p30 video. Audio and speech Microphone array: 5 channels, Speakers: Built-in spatial sound, Human understanding, Hand tracking: Two-handed fully articulated model, direct manipulation, Eye tracking: Real-time tracking, Voice: Command and control on-device; natural language with internet connectivity, Windows Hello: Enterprise-grade security with iris recognition, Environment understanding 6DoF tracking: World-scale positional tracking Spatial Mapping: Real-time environment mesh, Mixed Reality Capture: Mixed hologram and physical environment photos and videos Compute and connectivity, SoC: Qualcomm Snapdragon 850 Compute Platform, HPU: Second-generation custom-built holographic processing unit, Memory: 4-GB LPDDR4x system DRAM, Storage: 64-GB UFS 2.1 WiFi: Wi-Fi 5 (802.11ac 2x2), Bluetooth: 5 USB: USB Type-C, Fit Single size Fits over glasses Weight 566g, Software Windows Holographic Operating System Microsoft Edge Dynamics 365 Remote Assist Dynamics 365 Guides 3D Viewer Power, Battery life: 2-3 hours of active use, Charging: USB-PD for fast charging, Cooling: Passive (no fans) Contains lithium batteries, Includes: device, Carrying case, Overhead strap, Microfiber cloth, Charger, USB-C cable, Unity Pro and Pixyz Plugin free (minimum 3 months), Azure Credits. Complete as per approval of the Indenter (Project Supervisor)	Nos.	813,158/-	01	813,158/-
	<b>Total Amount with all Taxes .....</b>	.....	.....	.....	<b>813,158/-</b>



F/SOP/PC 01/11/00



**INSTRUCTIONS:**

- Store must be delivered to Central Store in due period which will be issued by the Central Store to the Indenter.
- A copy of Delivery Challan must be delivered to Purchase Officer on same day after delivery of Store.
- Bill should be submitted Assistant Director Procurement-II along with GST Invoice.
- Inspection Certificate may be issued by Central Store within Prescribed period as mentioned in clause 15 of the Indent Form.

**GRAND TOTAL (Value in Words)** Eight Lac Thirteen Thousand One Hundred Fifty Eight Only.

7. Date of Delivery: Within One Month

If goods not delivered within stipulated time; please immediately intimate to the Procurement Cell.

8. Place of Delivery: NED University Campus/Consignee.

9. Name & Address of Consignee: Engr. Amir Nizam, Sr. Lab. Engineer



F/SOP/PC 01/11/00



10. Performance Security equivalent to 5% of Contract Schedule is required at the earliest.
11. Contract Agreement on Stamp papers value equivalent to rate as specified in Stamp Act.
12. Dispatch Instruction. Stores should be delivered at firm's premises/free to the consignee at NED University of Engineering and Technology.
13. Inspecting Officer. The consignee/ Indenting officer or his authorized representative. At firms premises/ Consignee's end.
14. Place at which to be inspected.
  - i. 100% payments to be made on the proof of inspection and Consignee's receipt certificate during year 2020-2021.
15. Payment.
  - ii. \_\_\_% Payment in advance along with contract/and balance after complete delivery and in proof of consignee's receipt during the year 2020 - 2021
  - iii. If the supply is not according to the specifications or unsatisfactory, the contract will be rejected and cancelled at the risk and cost of firm.
  - iv. If the firm fails to execute the contract/supply order as per condition action will be taken against them which may be their black listing and E.M.S.D. will be forfeited.
  - v. In Case of late delivery L.D. charges @ 2% per month will be imposed. Part payment against part supply is/ not allowed.
  - vi. Valid Professional Tax Certificate is required for payment.

**NOTE**

1. The firms may send the Inspection call with-in delivery period under intimation to the Assistant Director Procurement in writing.
2. The Bill in duplicate along with Inspection certificates on form F/QSP 09/10/00 may be sent to the P.O for payment.

Copy to

1. Resident Auditor
2. Indenting Officer
3. Case File
4. Master File
5. Manager Central Store

**Assistant Director Procurement-II  
For & on behalf of Vice Chancellor  
NED University of Engg. Tech.**

The cost is debitable to Head of Account as mentioned in the Sanction order (office order). This issues with the sanction and approval of the Competent Authority of this University.

**PART-VIII**  
**NED UNIVERSITY OF ENGINEERING AND TECHNOLOGY**  
**CIVIL ENGINEERING**  
**SPECIFICATIONS AND QUANTITIES**

**Tender No. PC/NED/CE/Reality Device/6978/2021**

Item Code No.	Description of items/specifications	Unit	Total Quantity Required	Price in Pak. Rupees	
				Unit Price	Total Amount
01.	<p><b>Augmented/Mixed Reality Device</b>                      Augmented/mixed reality device/glasses, complete in all respect as per following specifications, along with 1 year warranty.</p> <p><b>Display</b>                      Optics: See-through holographic lenses (waveguides)                      Resolution: 2k 3:2 light engines                      Holographic density: &gt;2.5k radiants (light points per radian)                      Eye-based rendering: Display optimization for 3D eye position.</p> <p><b>Sensors</b>                      Head tracking: 4 visible light cameras                      Eye tracking: 2 IR cameras                      Depth: 1-MP Time-of-Flight (ToF) depth sensor                      IMU: Accelerometer, gyroscope, magnetometer                      Camera: 8-MP stills, 1080p30 video.</p> <p><b>Audio and speech</b>                      Microphone array: 5 channels                      Speakers: Built-in spatial sound</p> <p><b>Human understanding</b>                      Hand tracking: Two-handed fully articulated model, direct manipulation                      Eye tracking: Real-time tracking                      Voice: Command and control on-device; natural language with internet connectivity                      Security: Hello: Enterprise-grade security with iris recognition                      Content understanding                      World-scale positional tracking                      Real-time environment mesh                      Content: Mixed hologram and physical content                      and videos                      Quality                      on 850 Compute Platform                      Custom-built holographic processing</p> <p align="right">RAM</p>	No.	01.	69500681	69500681

*Jalal*  
 02/02/21  
 ADP-II

*Jalal*  
 02/02/21

*Dejwan*

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Software

Windows Holographic Operating System  
 Microsoft Edge  
 Dynamics 365 Remote Assist  
 Dynamics 365 Guides  
 3D Viewer

Power  
 Battery life: 2-3 hours of active use  
 Charging: USB-PD for fast charging  
 Cooling: Passive (no fans)  
 Contains lithium batteries

Includes: device, Carrying case, Overhead strap, Microfiber cloth, Charger, USB-C cable, Unity Pro and Pixyz Plugin free (minimum 3 months), Azure Credits.

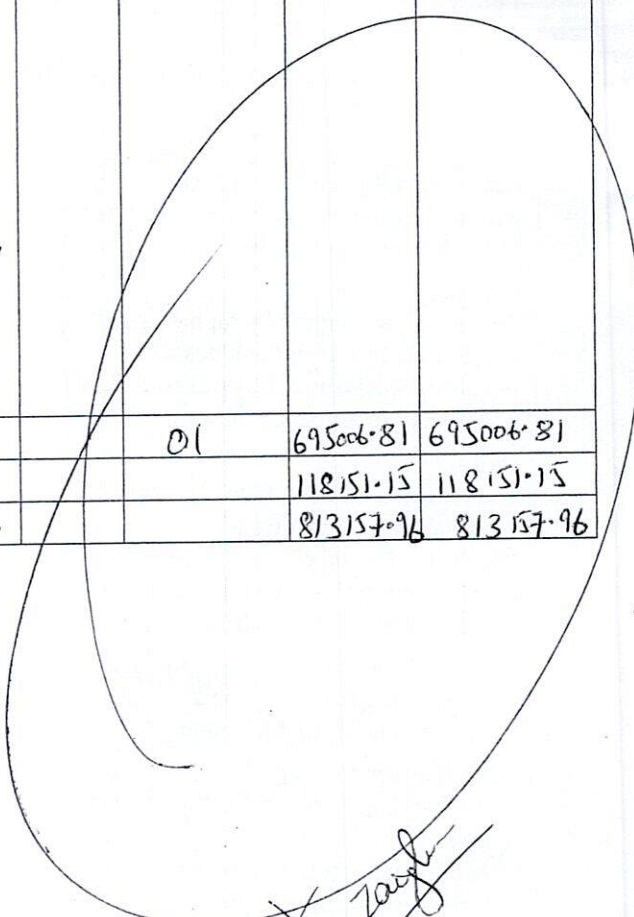
Complete as per approval of the Indentor (Project Supervisor)

<b>TOTAL</b>	01	695006.81	695006.81
<b>ADD: GST/SRB (Whichever is applicable)</b>		118151.15	118151.15
<b>Total Bid Amount including all taxes &amp; duties etc.</b>		813157.96	813157.96

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 02/02/21  
 ADP-11

*Imqam*  
 02/02/21



*Zaigh*

Signature & Stamp of Tenderer



# SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY

## **CONTRACT EVALUATION FORM**

### **TO BE FILLED IN BY ALL PROCURING AGENCIES FOR PUBLIC CONTRACTS OF WORKS, SERVICES & GOODS**

- 1) NAME OF THE ORGANIZATION / DEPTT. NED UNIVERSITY
- 2) PROVINCIAL / LOCAL GOVT./ OTHER PROVINCIAL
- 3) TITLE OF CONTRACT Procurement of Augmented Reality Device
- 4) TENDER NUMBER PC/NED/CE/Reality Device/6978/2021
- 5) BRIEF DESCRIPTION OF CONTRACT Procurement of Augmented Reality Device
- 6) FORUM THAT APPROVED THE SCHEME Syndicate
- 7) TENDER ESTIMATED VALUE 0.920 MILLION
- 8) ENGINEER'S ESTIMATE  
(For civil works only) \_\_\_\_\_
- 9) ESTIMATED COMPLETION PERIOD (AS PER CONTRACT) 30 Days
- 10) TENDER OPENED ON (DATE & TIME) 02-02-2021 AT 10:30 AM
- 11) NUMBER OF TENDER DOCUMENTS SOLD 03  
(Attach list of buyers)
- 12) NUMBER OF BIDS RECEIVED 03
- 13) NUMBER OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS 03
- 14) BID EVALUATION REPORT PROVIDED  
(Enclose a copy)
- 15) NAME AND ADDRESS OF THE SUCCESSFUL BIDDER M/s. AL Hamza Enterprises
- 16) CONTRACT AWARD PRICE Rs.813,158/-
- 17) RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT  
(i.e. 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> EVALUATION BID). 1

18) METHOD OF PROCUREMENT USED : - (Tick one)

- a) SINGLE STAGE – ONE ENVELOPE PROCEDURE YES  Domestic/ Local
- b) SINGLE STAGE – TWO ENVELOPE PROCEDURE \_\_\_\_\_
- c) TWO STAGE BIDDING PROCEDURE \_\_\_\_\_
- d) TWO STAGE – TWO ENVELOPE BIDDING PROCEDURE \_\_\_\_\_

PLEASE SPECIFY IF ANY OTHER METHOD OF PROCUREMENT WAS ADOPTED i.e. EMERGENCY, DIRECT CONTRACTING ETC. WITH BRIEF REASONS:

Vice Chancellor

19) APPROVING AUTHORITY FOR AWARD OF CONTRACT \_\_\_\_\_

20) WHETHER THE PROCUREMENT WAS INCLUDED IN ANNUAL PROCUREMENT PLAN?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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21) ADVERTISEMENT :

i) SPPRA Website  
(If yes, give date and SPPRA Identification No.)

Yes	T00553-20-0038
No	

ii) News Papers  
(If yes, give names of newspapers and dates)

Yes	
No	

22) NATURE OF CONTRACT

Domestic/ Local	<input checked="" type="checkbox"/>	Int.	<input type="checkbox"/>
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23) WHETHER QUALIFICATION CRITERIA  
WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?  
(If yes, enclose a copy)

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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24) WHETHER BID EVALUATION CRITERIA  
WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?  
(If yes, enclose a copy)

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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25) WHETHER APPROVAL OF COMPETENT AUTHORITY WAS OBTAINED FOR USING A  
METHOD OTHER THAN OPEN COMPETITIVE BIDDING?

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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26) WAS BID SECURITY OBTAINED FROM ALL THE BIDDERS?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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27) WHETHER THE SUCCESSFUL BID WAS LOWEST EVALUATED  
BID / BEST EVALUATED BID (in case of Consultancies)

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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28) WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY  
COMPLIANT?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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29) WHETHER NAMES OF THE BIDDERS AND THEIR QUOTED PRICES WERE READ OUT AT  
THE TIME OF OPENING OF BIDS?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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30) WHETHER EVALUATION REPORT GIVEN TO BIDDERS BEFORE THE AWARD OF  
CONTRACT?

(Attach copy of the bid evaluation report)

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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31) ANY COMPLAINTS RECEIVED  
(If yes, result thereof)

Yes	
No	NO

32) ANY DEVIATION FROM SPECIFICATIONS GIVEN IN THE TENDER NOTICE / DOCUMENTS  
(If yes, give details)

Yes	
No	NO

33) WAS THE EXTENSION MADE IN RESPONSE TIME?  
(If yes, give reasons)

Yes	
No	NO

34) DEVIATION FROM QUALIFICATION CRITERIA  
(If yes, give detailed reasons.)

Yes	
No	NO

35) WAS IT ASSURED BY THE PROCURING AGENCY THAT THE SELECTED FIRM IS NOT BLACK LISTED?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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36) WAS A VISIT MADE BY ANY OFFICER/OFFICIAL OF THE PROCURING AGENCY TO THE SUPPLIER'S PREMISES IN CONNECTION WITH THE PROCUREMENT? IF SO, DETAILS TO BE ASCERTAINED REGARDING FINANCING OF VISIT, IF ABROAD:  
(If yes, enclose a copy)

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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37) WERE PROPER SAFEGUARDS PROVIDED ON MOBILIZATION ADVANCE PAYMENT IN THE CONTRACT (BANK GUARANTEE ETC.)?

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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38) SPECIAL CONDITIONS, IF ANY  
(If yes, give Brief Description)

Yes	
No	NO

Signature & Official Stamp of  
Authorized Officer \_\_\_\_\_

  
Assistant Director Procurement  
Procurement Cell  
NED University of Engg. & Tech  
Karachi.

**FOR OFFICE USE ONLY**

**SPPRA, Block. No.8, Sindh Secretariat No.4-A, Court Road, Karachi**  
Tele: 021-9205356; 021-9205369 & Fax: 021-9206291

Print

Save

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## Integrity Pact

### DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS/CONTRACTORS/CONSULTANTS.

Contract Number: PC/NED/CE/Reality Device/6978 Dated: 01/03/2021

Contract Value: Rs. 813,158/-

Contract Title: Procurement of Reality Device.

M/s. AL Hamza.

[Name of Supplier/Contractor/Consultant] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoS) through any corrupt business practice.

Without limiting the generality of the foregoing, M/s. AL Hamza [Name of Supplier/Contractor/Consultant] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from Procuring Agency (PA), except that which has been expressly declared pursuant hereto.

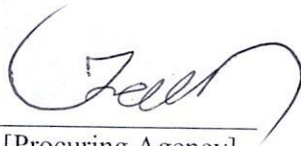
M/s. AL Hamza.

[Name of Supplier/Contractor/Consultant] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

M/s. AL Hamza.

[Name of Supplier/Contractor/Consultant] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to PA under any law, contract or other instrument, be voidable at the option of PA.

M/s. AL Hamza. Notwithstanding any rights and remedies exercised by PA in this regard, [Name of Supplier/Contractor/Consultant] agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [Name of Supplier/Contractor/Consultant] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from PA.



[Procuring Agency]



[Supplier/Contractor/Consultant]