GIK INSTITUTE OF ENGINEERING SCIENCES AND TECHNOLOGY

REQUEST FOR QUOTATION

Sealed quotations, in Pak rupees on D.D.P basis, are invited from registered suppliers/authorized dealers/distributors and manufacturers for supply of the following items:

S#	Item Description	Annexures
1.	Lab Kits	Detail attached at Annexure- A
2.	Sports Items	Detail attached at Annexure- B
3.	Lab Supplies	Detail attached at Annexure- C

Interested parties are requested to consider the following points before submitting their quotations.

- Your **sealed quotations** must be delivered to the office of the undersigned on or before **Monday October 09, 2023, at 02:00 Pm.** Any quotation received later than the scheduled date and time will be rejected and returned unopened.
- All quotations must be valid for a period of Thirty (30) days from the closing date of the Request for Quotation.
- The quotation shall be submitted **Annexure-wise**. **(Separate quotation for each mentioned Annexure otherwise quotation will be rejected**).
- The quotation shall be completed and signed by an authorized representative of the supplier.
- The quoted price should include sales tax or any other taxes as per Govt. Rules (if applicable).
- Delivery will be made to GIK Institute, Topi, Swabi.
- Payment will be made within 2-3 weeks after acceptance of the items subject to deduction of taxes as per law.
- In the case of any arithmetical discrepancy between the unit rate and the total amount quoted, then the unit rate shall prevail both for the evaluation of quotations and for the subsequent purchase order.

Assistant Director, Procurement Department, GIK Institute, Topi, Swabi (KP)

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ANNEXURE-A

S. #.	Lab Kits	Unit	Qty
1	Blood Urea (Spinreact)	Kit	1
2	S. Craetinine (Spinreact)	Kit	1
3	Uric Acid (Spinreact)	Kit	2
4	HbA1C Cerastate 4000	Pack	2
5	Cholesterol (Spinreact)	Kit	1
6	SGPT (Spinreact)	Kit	2
7	ALP (Spinreact)	Kit	2
8	Blood Group Sera (Diagast)	Set	1
9	HBS Ag Device (Accurate)	Pack	2
10	HCV Device (Accurate)	Pack	2
11	Typhidot CTK	Pack	4
12	Toxo Device	No	10
13	VDRL Device	No	10
14	HIV Device	Pack	1
15	One touch Glucometer Strips	Pack	4
19	Yellow Tips	Pack	6
20	Urine – 10 (SD)	No	6
21	Chemistry Normal Control (Spinreact)	No	1
22	Triglycerides (Spinreact)	Kit	1
23	EDTA K3	Pack	6

ANNEXURE-B

S. #.	Sports Items	Unit
1	Cricket Baiting pad CA	3 Pair
2	Right hand Baiting Gloves CA	05 Pair
3	English willow gray Nicolls	05 No.s
4	white color Cocobora	10 Dozen
5	Cricket keeping Pad CA	02 Pair
6	Inner	10 pair
7	Football keeping Gloves Size 10 #	02 pair
8	Volleyball jaga jamal	8 No,s

9	Badminton Shuttle plastic Ghafoor GS gold	20 Dozen
10	Chest Guard Size # 0-1-2 Daedo	3 No.s
11	Hand Gear Deado Larg Size	03 No.s
12	Foot Gear Deado Larg size	03 No.s
13	Head Gear Deado Smal size white color	01 No.s
14	Cricket Tennis Bat Cane handle Saaki	05 No.s

ANNEXURE-C

S#	Lab Supplies	Unit	Qty
1.	Jeston Nano Developer Kit **(Detailed Specifications Attached)**	Nos	01
2.	Insta360 ONE X **(Detailed Specifications Attached)**	Nos	01
3.	Pixhawk 2.4.8 PX4 **(Detailed Specifications Attached)**	Nos	01
4.	TS832 Transmitter **(Detailed Specifications Attached)**	Nos	01
5.	Ublox M8N GPS **(Detailed Specifications Attached)**	Nos	01
6.	TS5828 600mW 48CH Mini FPV **(Detailed Specifications Attached)**	Nos	01

Specifications for Items of Automation in Construction Lab of Civil Engineering

Jetson Nano Developer Kit

GPU	128-core Maxwell
CPU	Quad-core ARM A57 @ 1.43 GHz
Memory	4 GB 64-bit LPDDR4 25.6 GB/s
Storage	microSD (not included)
Video Encode	4K @ 30 | 4x 1080p @ 30 | 9x 720p @ 30 (H.264/H.265)
Video Decode	4K @ 60 | 2x 4K @ 30 | 8x 1080p @ 30 | 18x 720p @ 30 (H.264/H.265)
Camera	2x MIPI CSI-2 DPHY lanes
Connectivity	Gigabit Ethernet, M.2 Key E
Display	HDMI and display port
USB	4x USB 3.0, USB 2.0 Micro-B
Others	GPIO, I^2C, I^2S, SPI, UART
Mechanical	69 mm x 45 mm, 260-pin edge connector

Insta360 ONE X

Sensor Type	1-Chip 1/2.3" CMOS
Sensor Resolution	JPEG: 18 Megapixel, 6080 x 3040 Raw: 18 Megapixel, 6080 x 3040
Video Resolution	5760 x 2880 at 30 fps (MP4 via H.264) 3840 x 1920 at 50 fps (MP4 via H.264) 3840 x 1920 at 30 fps (MP4 via H.264) 3008 x 1504 at 100 fps (MP4 via H.264)
ISO	100 - 3200 (Auto)

Pixhawk 2.4.8 PX4

Microprocessor

- 32bits 2MB flash STM32F427 Cortex M4, with hardware floating-point processing unit
- frequency: 168MHZ, 256K RAM
- 32bits STM32F103 backup coprocessor

Sensor

- L3GD20 3-axis digital gyroscope 16
- LSM303D 3-axis accelerometer 14 / Magnetometer
- MPU6000 6-axis accelerometer / magnetometer
- MS5611 precision barometer

Interface

- 5 high voltage compatible UART 1, 2 with hardware flow control
- 2 CAN
- Spektrum DSM / DSM2 / DSM-X satellite receiver compatible input
- Futaba SBUS compatible inputs and outputs
- PPM Signal Input
- RSSI (PWM or voltage) Input
- I2C
- SPI
- 3.3 and 6.6VADC input
- External MICRO USB Interface

TS832 Transmitter

- This 5.8GHz FPV transmitter has double push buttons for easy changing CH and FR.
- 40 channels: Cover A, b, E, F, r bands
- Video Format: NTSC/PAL
- Output Impedance: 50 Ohm
- Transmitting distance: > 3000m (open area)
- Antenna connector: RP-SMA connector
- Operating Voltage:7-16V
- Supply current: 220 mA
- Operating Temperature: -10 +85 °C
- Video Band Width: 0-8.0 MHz
- Audio carrier Frequency: 6.5 MHz
- Video Input Level: 0.8,1.0,1.2 Vp-p
- Video Input Impedance: 75 Ohm
- Audio Input Level: 0.5 ,2.0 Vp-p
- Audio Input Impedance: 10K Ohm

Ublox M8N GPS

Ublox GPS NEO-M8N,with low power consumption and high precision ,the ultimate accuracy is 0.6 meters, actually almost 0.9 meters. greater than the previous generation NEO-7N 1.4-1.6 meters accuracy. support GPS/QZSS L1 C/A, GLONASS L10F, BeiDou B1 protocol and mode or more.

TS5828 600mW 48CH Mini FPV

- Transmitting unit weight: 7.3g (excluding antenna)
- video format supported: NTSC/PAL
- Working frequency: 5645-5945Mhz
- Power input: 7-24V
- Transmitting current: 190mA 12V
- Video band width: 8M
- Audio coding: 6.5M
- Dimension: 30*20*8mm (excluding antenna)