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DRUK HOLDING & INVESTMENTS LTD.

GROUP STANDARD BIDDING DOCUMENT

GOODS

[For value up to BTN 2 million]



Thimphu TechPark
dhi Company

SUPPLY AND INSTALLATION OF CCTV CAMERAS

TTPL/Pro-04/2021/ dated 22 June 2021

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NOTICE INVITING TENDER

Thimphu TechPark Limited.

NIT No. TTPL/Pro-04/2021/

Date 22nd June 2021

Thimphu TechPark Limited invites eligible bidders to submit your bid for the supply and installation of CCTV Cameras as per the following Terms and Conditions:

Terms and Conditions

1. Scope of Supply

1.1. The bidder(s) may quote for all items as per the technical specification and the Price Schedule as attached at Annexure -II. (along-with the proposed drawings)

2. Clarification to the bidding document

2.1. Further information can be obtained in writing from Dy. Procurement Manager, Admin and HR Division, not later than 5 days from the date of bid submission.

3. Documents comprising bid

3.1. The bid must be accompanied by the following document:

- i. Bid Security in Original should be submitted one day prior to submission of the bid.
- ii. Valid Trade license
- iii. Tax clearance
- iv. Price Schedule
- v. Brochures and Catalogues
- vi. Any other relevant documents

4. Bid Price

4.1. All prices shall be quoted in Bhutanese Ngultrum (BTN). The quoted price shall be DDP (Delivery at Place) including taxes, duties and other levies to the final place of delivery, if required.

4.2. The final place of delivery is Thimphu TechPark, Babesa, Thimphu.

4.3. The bidder(s) must quote for all the items under this bid. Price bids will be evaluated for all the items together and contract awarded to the firm offering the lowest evaluated total cost of all the items.

5. Bid Validity

5.1. The bid shall be valid for 30 days from the date of submission of the bid. In exceptional circumstances, prior to the expiration of the bid validity period, the Purchaser may solicit the Bidder's consent to an extension of the bid validity period. The request and responses shall be made in writing. A bid valid for a shorter period shall be considered non-responsive.



6. Bid Security

6.1. The bid shall be accompanied by the bid security of Nu. 10,000.00 in the form of Cash Warrant/ Unconditional Bank Guarantee/ Banker Cheque/ Demand draft in the name of the Chief Executive Officer, TTPL, issued by the Financial Institution enforceable in any Banks in Bhutan.

- a) The Bid security shall be valid up to 8th September, 2021.
- b) The Bid Security is to be submitted as a part of the Bid in a separate sealed envelope.
- c) Any Bid not accompanied by bid security of adequate value and validity shall be rejected by the Purchaser as non-responsive.

6.2. The bid security shall be forfeited in the following cases:

- a) If the Bidder withdraws the bid after Bid opening during the period of Bid validity.
- b) If the Bidder does not accept the correction of the Bid price;
- c) In the case of a successful bidder, if the bidder fails within the specified time limit to sign the Contract or furnish Performance Security.

7. Submission of Bids

7.1. The price bid in the form attached may be submitted electronically through the same portal.

7.2. Your bid in the required format should be addressed and submitted.

8. Submission deadline

8.1. The deadline for receipt of your bid(s) by the Purchaser at the indicated at 11:00 AM on 8th July 2021.

9. Bid Opening

9.1. The bid(s) will be opened in the presence of bidders or their representatives who choose to attend at at 11:30 AM on 8th July 2021. In case due date of the opening of the bid falls on non-working days, the opening of the bid shall be on next working day at the same time.

10. Evaluation of Bid

10.1. Bids determined to be substantially responsive to the technical specifications and commercial conditions will be evaluated by comparison of their quoted prices. In evaluating the bids, the Purchaser will determine for each bids the evaluated price by adjusting the priced bid by making any correction for any arithmetical errors as follows; where there is a discrepancy between amounts in figures and in words, the amount in words will govern;

10.2. where there is discrepancy between the unit rate and the line-item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted shall govern unless in the opinion of the Purchaser there is an obviously gross misplacement of the decimal point in the unit rate, in which case the line-item total as quoted shall govern, and the unit rate shall be corrected.



- 10.3. To assist in the evaluation, comparison of the Bids, the Purchaser may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder that is not in response to a request by the Purchaser shall not be considered.
11. Purchaser's Right to Accept Any Bid, and Reject Any or All Bids
- 11.1. The Purchaser is not bound to accept the lowest bid and reserves the right to accept or reject any or all the bids without assigning any reason whatsoever.
12. Quantity Variation
- 12.1. Depending on the final requirement, at the time of the award of the Contract, the Purchaser may increase or decrease the quantities by twenty five percent (25%) of the indicated quantity.
13. Award of Contract
- 13.1. The Purchaser shall award the Contract to the Bidder whose offer has been determined to be the lowest evaluated Bid. The Purchaser shall issue Notification of Award/ Purchase Order to the successful Bidder. Until a formal Contract is prepared and executed, the Notification of Award shall constitute a binding Contract.
14. Delivery Schedule
- 14.1. The supply of the Goods and related service shall be completed within 90 days from the date of issue of the Purchase Order, or the signing of the contract [if applicable].
15. Performance Security
- 15.1. The 10% of payment shall be retained as security deposit and shall be returned at the end of the warranty period.
16. Liquidated Damage
- 16.1. If the Supplier fails to deliver any or all of the Goods by the date(s) of delivery or fails to perform the Related Services within the period specified in the Contract/ Purchase Order, the Purchaser shall deduct Liquidated Damages at the rate of 0.2% per day for each day of delay to a maximum of 10% of the quoted price.
17. Payment Terms
- 17.1. 100 % payment will be made after the completion of the work.
- 17.2. At the time of release of payment, Tax shall be Deducted at Source [TDS] from the gross amount of bills as per the Income Tax Act of the Bhutan. The Purchaser shall furnish necessary TDS Certificate to the Bidders, issued by the Department of Revenue & Customs, RGoB.
18. Warranty Period
- 18.1. The Supplier shall provide the warranty for a period of 6 months, for the goods to be supplied and



confirm that if any faults are detected within the warranty period in the supplied/installed Goods, the Supplier shall be bound to rectify the fault or replace the Goods as the case may be. The performance security shall be used to cover the cost of supplies not delivered or defective items not replaced or rectified.

18.2. Any goods found defective during the warranty period shall be replaced/ repaired by the supplier at his cost. If the supplier fails to rectify and or replace the defective goods, the Purchaser shall do it at the cost of the supplier.

19. Submission of Bid

19.1. The Bidder shall submit the Bid Submission Form using the Form in the Annexure I: This form must be completed without any alterations to its format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.

19.2. A bid in which the Bid Submission Form not duly filled, signed and sealed by the bidder shall be rejected.

20. Termination

20.1. The Purchaser may, by written notice, terminate the Purchase Order or Contract [if applicable] in whole or in part at any time for its convenience:

20.2. if the Supplier fails to perform any other terms and conditions specified with the Purchase Order/ Contract, or exceeds the maximum amount of Liquidated Damages; and

20.3. if the Supplier fails to perform any other obligation(s) under the Purchase Order / Contract, and if the Supplier does not take any remedial action within a period of 7 days after receipt of a notice of default from the Purchaser specifying the nature of the default(s).

21. Governing Law

21.1. The Contract/ Purchase Order shall be governed by and interpreted in accordance with the Laws of Bhutan.

22. Dispute Resolution

22.1. Any settlement of dispute or arbitration of matter arising from the contract shall be settled as per the Alternative Dispute Resolution Act of Bhutan 2013 for Bhutanese Supplier and United Nations Commission on International Trade Law [UNCITRAL] Arbitration Rules of 1976 for International Supplier and will be binding for both parties.



Annexure- I

Bid Submission Form

[The Bidder shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date :*[insert date of Bid submission]*

Tender No.:*[insert number]*.

To : *[insert complete name of the Purchaser]*

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda number: *[insert the number and date of issue of each addendum]*;
- (b) We offer to supply in conformity with the Bidding Documents and in accordance with the Schedule of Supply the following Goods and Related Services: *[insert a brief description of the Goods and Related Services]*;
- (c) The total price of our Bid, excluding any discounts offered in item is: *[insert the Bid Price in words and figures, indicating the various amounts and their respective currencies]*;
- (d) The discounts offered and the methodologies for their application are:

Discounts. If our Bid is accepted, the following discounts shall apply: *[Specify in detail each discount offered and the specific item of the Schedule of Supply to which it applies.]*

Methodology of Application of the Discounts. The discounts shall be applied using the following methodology: *[Specify in detail the methodology that shall be used to apply the discounts]*;

- (e) Our Bid shall be valid for a period of *[insert number]* from the date fixed for the Bid submission deadline and it shall remain binding upon us and may be accepted at any time before expiry of that period;
- (f) If our Bid is accepted, we commit to provide a Performance Security in accordance with Clause 15 for the due performance of the Contract;
- (h) We, including any subcontractors or suppliers for any part of the Contract, have nationality from eligible countries, viz: *[insert the nationality of the Bidder, including that of all parties that comprise the Bidder if the Bidder is a JV/C, and the nationality each subcontractor and supplier]*



- (i) We have no conflict of interest;
- (j) Our firm, its affiliates or subsidiaries - including any subcontractors or suppliers for any part of the contract - has not been declared ineligible by the Purchaser under the laws or official regulations of Bhutan;
- (k) We have read the terms and conditions carefully, understood and agree to comply with all the clauses which are mentioned therein. In case of any breach of any condition on our part, we shall be liable for actions as per terms and conditions of the Contract.
- (l) We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed.
- (m) We understand that you are not bound to accept the lowest evaluated Bid or any other Bid that you may receive.
- n) We accept the Vendor Performance Management System.

Signed: _____ [insert signature of person whose name and capacity are shown]

In the capacity of _____ [insert legal capacity of person signing the Bid Submission Form]

Name: _____ [insert complete name of person signing the Bid Submission Form]

Duly authorized to sign the bid for and on behalf of: _____ [insert complete name of Bidder]

Dated on _____ day of _____ [insert date of signing]



Price Schedule

[Describe below the items, unit and quantity of the Goods and related Service required].

Sl. # No.	Item	Technical Specification	Unit	Qty	Unit Rate (Nu.)	Total Amount (Nu.)
1	4 MP ColorVu Bullet Network Camera	4K ColorVu vari-focal lens Bullet Network Camera High quality imaging with 4 MP resolution Efficient H.265+ compression technology Clear imaging against strong backlight due to 130 dB WDR technology 2.8 mm to 12 mm manual/motorized (with -Z) vari-focal lens PoE (Power over Ethernet) Focus on human and vehicle targets classification based on deep learning 24/7 colorful imaging Water and dust resistant (IP67) Brand: Hikvision or equivalent	each	7		
2	12 MP ColorVu Bullet Network Camera	4K ColorVu vari-focal lens Bullet Network Camera High quality imaging with 12 MP resolution Efficient H.265+ compression technology Clear imaging against strong backlight due to 130 dB WDR technology 2.8 mm to 12 mm manual/motorized (with -Z) vari-focal lens PoE (Power over Ethernet) Focus on human and vehicle targets classification based on deep learning 24/7 colorful imaging Water and dust resistant (IP67) Brand: Hikvision or equivalent	each	3		
3	32CH NVR with 4SATA Interphase	32-ch 1U 4K NVR Up to 32 channel IP cameras can be connected Up to 1-ch@32 MP/2-ch@12 MP/16-ch@1080p decoding capacity 1 HDMI and 1 VGA interfaces: both interfaces support independent video output 4 HDDs for continuous video recording Supports various special function cameras, including thermal camera/fisheye/people	each	1		

		counting/heatmap/ANPR (automatic number plate recognition) Advanced streaming technology enables smooth live view and data self-correction in poor network conditions Supports dual-stream recording to save time and bandwidth Brand: Hikvision or equivalent				
4	4TB HDD	4000GB/4TB Surveillance Internal Hard Drive HDD SATA 6Gb/s 64MB Cache for NVR Security Camera System with Drive Health Management Read Speed 190mps Brand: Hikvision or equivalent	each	4		
5	24 Port PoE Switch with 4 SFP Ports	24 x 10/100/1000 + 4 x Gigabit SFP (2 combo) Switching capacity : 56 Gbps Forwarding performance (64-byte packet size) : 38.69 Mpps MAC address table size 16K entries RAM 512MB with 256MB Flash Memory Layer 3 switching, Layer 2 switching, DHCP support, VLAN support, IGMP snooping, syslog support, DoS attack prevention, port mirroring, DiffServ support, weighted round-robin (WRR) queuing, broadcast storm control, IPv6 support, multicast storm control, unicast storm control, firmware upgradable, Spanning Tree Protocol (STP) support, Rapid Spanning Tree Protocol (RSTP) support, Multiple Spanning Tree Protocol (MSTP) support, Trivial File Transfer Protocol (TFTP) support, access control list (ACL) support, quality of service (QoS), jumbo frames support, MLD snooping, SNMP, RMON, SNTP, Auto SmartPorts 24 x 10Base-T/100Base-TX/1000Base-T - RJ-45 (24 x PoE+) 2 x combo SFP slot + RJ-45 ? 2 x SFP slot 1 x USB port - file management 1 x RJ-45 console - management	each	1		
6	8 Port PoE Switch with 4 SFP Ports	8x 10/100/1000 Mbps RJ45 ports 4x PoE+ ports transfer data and power on individual cables Works with IEEE 802.3af/at compliant PDs Supports PoE Power up to 30 W for each PoE port Supports PoE Power up to 66 W for all PoE ports* Up to 250m data and power transmitting range under Extend Mode** Priority Mode ensures high priority of ports 1–2 to guarantee the quality of sensitive	each	1		



		application Brand: Hikvision or equivalent				
7	40" Screen	40" LED HD Screen 3840*2160 resolution Android 6.0 OS or above ARM Dual Core A9 1.2GHz CPU DDR3/8GB Flash memory 802.11 b/g/n Wifi Support Support all format of Videos, Audio and Image Support Android Apps Connectivity Ports 1TV, 3HDMI, 1USB, 1AV, 1 optical, 1 YPBPR and 1Earphone Brand : Panasonic, samsung or equivalent Brand: Samsung or equivalent	each	2		
8	SC/LC single Mode Fiber Optic Module	Maximum distance of up to 10 km Hot-pluggable Single-mode fiber 1000BASE-LX (IEEE 802.3z standard) Duplex SC/LC connector MSA, RoHS-compliant	each	2		
9	Indoor 9U rack	19" Mounting angles made of welded steel Welded to Frame, Vented and Field Cable entry exit cut outs Lockable Toughened Glass Door	each	2		
10	Fiber Patch Cord SC/LC	End-Face Type: PC/UPC/APC Fiber Diameter: 0.9mm, 2.0mm or 3.0mm Available for simplex and duplex The outer jacket can be PVC, LSZH, Armored etc Available for different connectors: SC, LC, FC, ST, MPO, MTP, MU, DIN, D4, E2K etc Fiber Type: Single mode fiber G652D, G657A1 and G657A2, Multimode fiber OM1, OM2, OM3 and OM4 are available	each	8		
11	UPS,1500VA, single phase with	Line Interactive UPS with total Load Capacity of 865Watts / 1500VA LCD Display and Sleek Design	each	1		



	inbuilt battery.	6 nos. India 3 Pin 6A Output Socket – 4 with Battery backup & 2 with Surge protection Outlets Automatic Voltage Regulator (AVR) with Wide Input Voltage Range of 170-294V 45-60* min. Back-Up time *as per the load Green UPS with Programmable Outlets with energy-saving features Generator Compatible Brand: APC or equivalent				
12	HDPE Pipe 25mm	25mm HDPE Pipe for Fiber burial (Actual Quantity will be determined based on actual site measurements)	m	1		
13	Cassing capping	1" (Actual Quantity will be determined based on actual site measurements)	m	1		
14	Power socket	20A, modular power socket set (Actual Quantity will be determined based on actual site measurements)	set	1		
15	4 Core Fiber Optic Cable	4 Core Fiber Optic Cable type Burial Application Telecommunication (Actual Quantity will be determined based on actual site measurements)	m	1		
16	UTP cable	Cat 6 (Actual Quantity will be determined based on actual site measurements)	m	1		
17	4 Port LIU	4 sliding Port LIU Rack mountable	each	2		
18	Media Converter	10BASE-T / 100BASE-TX / 1000BASE-T RJ-45 copper port 100BASE-FX / 1000BASE-X SFP port Use multimode SFP or single-mode SFP	set	2		
19	Copper cable	2.5sqmm, 2 core PVC insulated copper cable. (Actual Quantity will be determined based on actual site measurements)	m	1		
20	Installation	Installation and configuration of already existing CCTV Cameras				
		*Camera (drawing UTP/Optic fiber cable in Cassing capping/HDPE pipe, wiring power supply for switches in cassing capping /HDPE with all necessary accessories including connection, testing and commissioning of power sockets, RJ45 etc. as required).	each	18		



DHI Group – Standard Bidding Document for Goods

		*Dismantling of 8 existing outdoor cameras.	each	8		
		*and all necessary work (fiber splicing, configuration, installation of 9U rack etc.)	lot			
Total for Supply and installation of Goods						

Total Amount in Nu. and in words	<i>[insert the Total Amount for Supply of Goods and related Service including all related costs]</i>
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Signature of Supplier:	Supplier's Official Stamp
Name of Supplier :	
Date :	



Drawings

