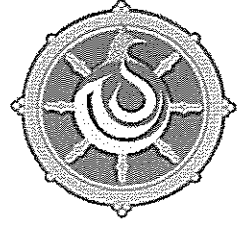




ཐུང་གཙང་ཆུ-༢ རྒྱུ་ལེ་ལས་འགུལ་དཔང་འཛིན།
PUNATSANGCHHU- II HYDRO-ELECTRIC PROJECT AUTHORITY
PROCUREMENT & CONTRACTS WING
BJIMTHANGKHA, WANGDUE : BHUTAN
Post Box No. 1308
Tel.No.+975-02-471744 / +975-02-471713
E-mail : secontracts@phpa2@gov.bt



No. PHPA-II/SE(P&C)/EM-7C/230/2023/07

Date: 06/01/2023

To,

All Prospective Bidders

Subject: PUNATSANGCHHU-II HYDROELECTRIC PROJECT (1020 MW): Design, Engineering, Manufacture, Supply, Installation, Testing and Commissioning of Public Address & Communication System, and Security & Surveillance System-
Corrigendum/Addendum No. 5 and Clarifications to Pre-Bid Queries

Dear Sir/Madam,

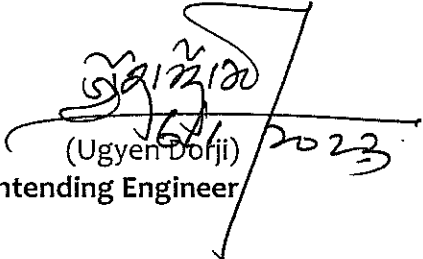
In accordance to Clause 1.8 'Clarification of Bidding Documents' and Clause 1.9 'Amendment of Bidding Documents' of ITB, the Corrigendum/Addendum No. 5 and Clarifications to Pre-Bid Queries are hereby issued as below;

Sl.No.	Description	Remarks
1	Corrigendum/Addendum No. 5	ANNEX-I
2	Clarifications to Pre-Bid Queries	ANNEX-II

All other terms & conditions of the bidding documents shall remain unchanged.

Thanking You,

Yours Faithfully,


(Ugyen Dorji)
Superintending Engineer

CORRIGENDUM/ADDENDUM NO. # 5

TENDER NO.: PPHA-II/SE/(P&C)/EM-7C/230/2022/01

WORK: "Design, Engineering, Manufacture, Supply, Installation, Testing and Commissioning of Public Address & Communication System, and Security & Surveillance System".

1. **Volume-III, Technical Specifications, Section-II, Clause 2.1 'Scope of Work':**
 - Delete words "...upto 2 years.." and replace by "...as per Clause 31 of GCC Section-II, Volume-I.."
2. **Volume-III, Technical Specifications, Section-III, Clause 3.1 'Scope of Work':**
 - Delete words "...upto 2 years.." and replace by "...as per Clause 31 of GCC Section-II, Volume-I.."
3. **Volume-III, Technical Specification, Section-II, Clause 2.1.4 'Miscellaneous Items':**
 - The above Clause stands deleted.
4. **Volume-III, Technical Specifications, Section-II, Clause 2.1.1 'General', 2.1.2 'Power Supply' and 2.2.3 'Specification Drawings':**
 - The above Clauses shall be corrected as 2.2.1, 2.2.2 and 2.2.3 respectively.
5. **Volume-III, Technical Specifications, Section-II, Clause 2.5.4 'Miscellaneous Items':**
 - One (1) no. of digital video camera recorder of high resolution (24 MP or higher) and two (2) nos. of still digital cameras stand deleted and shall be replaced by two (2) Nos. of Digital SLR Cameras of High Resolution with the following specifications;

S/NO	DESCRIPTION	SPECIFICATION
1	Sensor size	35 mm
2	Sensor Type	CMOS or Higher
3	Resolution	24 MP or higher
4	ISO Range	ISO 51200 or higher
5	Video Capture Resolution	1080 p
7	Connector Type	WiFi, USB, NFC
8	Display	Vari-Angle Touchscreen LCD
9	Image Stabilization	Optical
10	LCD Screen Size	3 Inches
11	Optical Zoom	4X or Higher
12	Max Vertical Resolution	4000 Pixels
13	Max. Shutter Speed	1/4000
14	Min. Shutter Speed	1/30
15	Form Factor	DSLR
16	Lens Type	Zoom



ANNEX-I

17	Lens Specifications	i. EF 24-105mm f/4L IS USM Lens, ii. Sigma 150-600mm F/S-6.3 DG OS HSM Lens
18	Storage	64 GB SD Card or Higher
19	Make	Cannon/Nikon/equivalent or higher

- Accordingly, item no. xv of Schedule A1, Volume-II, Price Schedules shall be amended as below;

Item No.	Description of Work/ Items	Unit	Qty	Unit Ex-works Price (inclusive of packing & forwarding charges)	Total Ex- Works Price (inclusive of packing & forwarding charges)	
					In figures	In words
1	2	3	4	5	6	7
xv	Miscellaneous Items as per Cl. 2.5.4 of Section-2, Volume-3 of technical specifications :					
	a) White board	Nos.	2			
	b) Digital SLR Cameras of High Resolution with Camera Bag	Nos.	2			

6. Volume-III, Technical Specifications, Section-III, Clause 3.5.4 'General':

- The above Clause shall be corrected as **3.5.3.1.**

All other terms & conditions of the bidding documents shall remain unchanged.



CLARIFICATIONS OF PRE-BID QUERIES

TENDER NO.: PHPA-II/SE/(P&C)/EM-7C/230/2022/01

WORK: "Design, Engineering, Manufacture, Supply, Installation, Testing and Commissioning of Public Address & Communication System, and Security & Surveillance System".

SL.NO.	BIDDER'S QUERIES.	CLARIFICATIONS
1	As per the tender, housing of bullet camera should have an inbuilt heater and blower. However, we like to submit that bullet cameras usually doesn't have these features.	Shall comply with provisions under the Technical Specifications
2	Details concerning the requirements for cables like UTP CAT6 cables and fiber cables (cores) are not specified in the tender clearly.	Refer Clause 3.5.10 of the Technical Specifications
3	Power cables, switches requirements, racks and other accessories required for the CCTV are not specified.	
4	The actual position of the cameras to be installed are not confirmed during the site survey, therefore we are not sure about the power access and distance to the location.	The actual position of the cameras to be installed shall be determined during detail engineering
5	Requirements of numbers of NVR channels are not specified, and it is not specified if all the cameras would be monitored from a single control room or from individual stations.	Three (3) numbers of Network Video Recorder (NVR) each having 64 channels may be used. Monitoring of cameras shall be as per Clause 3.5.1 of the Technical Specifications
6	It is not specified if it is mandatory to submit quotes for all the lots	Yes, it is mandatory to quote all the lots.
7	EPABX System – what is the no of Trunk Line, Total no of IP Phones (in the BOQ it's mentioned 50 nos but no detail technical specifications for IP Phones), No of Analog Phones, Total no of location to be connected within PHPA campus, etc.	Refer Clause 2.5.2.1 and 2.5.2.2 of the Technical Specifications. Total no. of location to be connected within PHPA campus shall be finalized during detail engineering
8	UPS – capacity and battery back up time – not mentioned	Refer Clause 2.5.1.6, 2.5.2.5 and 3.5.8 of the Technical Specifications
9	No specifications for Video conferencing system, camera, codec, etc. mentioned.	Refer Clause 2.5.3.2 of the Technical Specifications

