

বাংলাদেশ পানি উন্নয়ন বোর্ড
প্রকল্প পরিচালকের দপ্তর
বিডব্লিউসিএসআরপি কম্পোনেন্ট-বি:
পানি বিজ্ঞান সম্পর্কিত তথ্য সেবা ও আগাম সতর্কীকরণ
ব্যবস্থা শক্তিশালীকরণ
ফিরোজ টাওয়ার, ৩য় তলা, ১৫২/৩বি,
বীর উত্তম কাজী নুরুজ্জামান সড়ক,
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BWCSR Component-B: Strengthening
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Memo:- WCS/G5/793

Date: 08/11/2018

IDA Credit No.:5837-BD

Contract Title: Systems for Morphological Survey

ICB No: BWDB-G5

Addendum No. 01

to

**the Bidding Documents for procurement of Systems for Morphological Survey
(15 units of Handheld TDS; 12 units of RTK GPS; 06 units of DGPS Beacon Receiver; 08 units of
Total Stations; 04 units of First Order Digital Leveling Machine; & 02 units of Sub-bottom profiler).**

Reference No. & Date- WCS/G5/695; Dated- October 03, 2018.

We draw kind attention of all concerns towards the Bidding Documents for Procurement of Systems for Morphological Survey (15 units of Handheld TDS; 12 units of RTK GPS; 06 units of DGPS Beacon Receiver; 08 units of Total Stations; 04 units of First Order Digital Leveling Machine; & 02 units of Sub-bottom profiler) issued by the project vide Reference No. & Date- WCS/G5/695; Dated- October 03, 2018. In the referenced bidding documents inadvertently it was written-

(i) RTK GPS (Base with external radio) instead of RTK GPS (12 nos. Base & 12 nos. Rover) in Description of Goods Column (Column-2), 06 instead of 12 in Quantity column (Column- 3) and Nos. instead of Sets in Physical unit column (Column-4) of the 1. List of Goods and Delivery Schedule.

(ii) Technical specifications of RTK GPS (12 nos) instead of Technical specifications of RTK GPS 12 sets (12 nos. Base and 12 nos. Rover) of 3. Technical Specifications under Section VII. Schedule of Requirements.

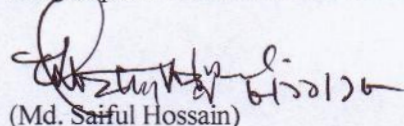
In addition to the above correction, (i) the Deadline for Bid Submission is extended up to-

Date : 29 November, 2018;
Time : 15.00 hours local time (GMT+6 hours).

(ii) Date & Time of Bid Opening-

Date : 29 November, 2018;
Time : 15.30 hours local time (GMT+6 hours).

Now attached herewith the corrected four (04) pages are being issued by the project as an addendum and the integral part of the referenced bidding documents.


(Md. Saiful Hossain)

Project Director

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Enclosure- 04 (four) pages.

Copy to- System Analyst, Office of the Chief Monitoring, Bangladesh Water Development Board, WAPDA Bhaban, Motijheel C/A, Dhaka.

Submission of Bids)	Attention: Project Director Bangladesh Weather and Climate Services Regional Project (BWCSRP) Component-B: Strengthening Hydrological Information Services and Early Warning Systems (SHEWS) Address: Firoz Tower, 152/3/B, Panthapath Floor/ Room number: 2nd Floor City: Dhaka ZIP Code: 1215 Country: Bangladesh The deadline for bid submission is: Date: November 29, 2018. Time: 15.00 hours local time (GMT+6 hours). Bidders shall not have the option of submitting their bids electronically.
ITB 25.1 (Bid Opening)	The bid opening shall take place at: Street Address: Firoz Tower, 152/3/B Panthapath. Floor/ Room number: 2nd Floor. City: Dhaka. Country: Bangladesh. Date: November 29, 2018. Time: 15.30 hours local time (GMT+6 hours).
ITB 25.3 (Bid Opening)	The Letter of Bid and Price Schedules shall be initialed by 03 (three) representatives of the Purchaser conducting Bid opening. Procedure: Each Bid shall be initialed by all representatives and shall be numbered, any modification to the unit or total price shall be initialed by the Representative of the Employer.
E. Evaluation and Comparison of Bids	
ITB 32.1 (Conversion to Single Currency)	The currency that shall be used for bid evaluation and comparison purposes to convert all bid prices expressed in various currencies into a single currency is: Bangladesh Taka. The source of exchange rate shall be: Bangladesh Bank webpage at “http://www.bangladesh-bank.org/econdata/exchangerate.php” and the rate shall be the BC selling exchange rate. If the exchange rates are not available from the above source on the particular date, the exchange rates published in the Wall Street Journal would be used for currency conversion in US Dollar.



1. List of Goods and Delivery Schedule

Line Item No	Description of Goods	Quantity	Physical unit	Final (Project Site) Destination as specified in BDS	Delivery (as per Incoterms) Date		
					Earliest Delivery Date	Latest Delivery Date	Bidder's offered Delivery date [to be provided by the bidder]
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1.	Handheld TDS	15	Nos.	Project Office Firoz Tower, 2 nd floor, Panthapath, Dhaka.	112 days following the date of effectiveness the Contract	140 days following the date of effectiveness the Contract	[insert the number of days following the date of effectiveness the Contract]
2.	RTK GPS (12 nos. Base & 12 nos. Rover)	12	Sets.	Project Office Firoz Tower, 2 nd floor, Panthapath, Dhaka.	112 days following the date of effectiveness the Contract	140 days following the date of effectiveness the Contract	[insert the number of days following the date of effectiveness the Contract]
3.	DGPS	06	Nos.	Project Office Firoz Tower, 2 nd floor, Panthapath, Dhaka.	112 days following the date of effectiveness the Contract	140 days following the date of effectiveness the Contract	[insert the number of days following the date of effectiveness the Contract]
4.	Total Stations	08	Nos.	Project Office Firoz Tower, 2 nd floor, Panthapath, Dhaka.	112 days following the date of effectiveness the Contract	140 days following the date of effectiveness the Contract	[insert the number of days following the date of effectiveness the Contract]
5.	First order Digital Leveling Machine	04	Nos.	Project Office Firoz Tower, 2 nd floor, Panthapath, Dhaka.	112 days following the date of effectiveness the Contract	140 days following the date of effectiveness the Contract	[insert the number of days following the date of effectiveness the Contract]
6.	Sub-bottom Profile	02	Nos.	Project Office Firoz Tower, 2 nd floor, Panthapath, Dhaka.	112 days following the date of effectiveness the Contract	140 days following the date of effectiveness the Contract	[insert the number of days following the date of effectiveness the Contract]



2) Technical specifications of RTK GPS 12 Sets (12 nos. Base & 12 nos. Rover) :

Supply of RTK GPS along with downloading cable, data collection and post-processing software including standard accessories having the following specification:

Units	Specifications
Type	RTK GPS
Brand/Model	To be mentioned
Name and address of manufacturer	To be mentioned (address, telephone, facsimile, email address are to be mentioned)
Country of origin	To be mentioned
Year of manufacturing	2017 or later
Raw Data logging	Yes
Memory	In-built memory minimum 28MB & SD card supported up to 8 GB.
Display	LED/LCD display, sunlight-readable color screen
Input/Output	USB, Ethernet, Serial, Bluetooth
Radios	External Radio for Base Station: Power 35Watt Internal Radio for Rover: 1 watt
Base Map	Built-in base map, 8GB internal map storage
Datum conversion	BTM Conversion system
Interface	Hardware control keys, Audio system event, warning and notification
Receiver	Min 350 channels, L1C/A, L1/L2/L2C GPS and QZSS. Include Glonass and BeiDou
Updated rate	20 Hz min
Integrated real-time	SBAS
Perimeter	For measuring date and time, latitude, longitude and ellipsoidal height
Battery	At least 9 hours of continuous operation
Accuracy Level	Horizontal accuracy : 8 mm + 1 ppm RMS Vertical accuracy: 15 mm + 1 ppm RMS
Antenna Cable (GPS) (if any)	Base Antenna Cable - 30m long Rover Antenna Cable - 15m long
Antenna Cable (Radio) (if any)	Base Antenna- 30m long Rover Antenna -10m long
Correction data input/output	CMR/RTCM/ v2
Data outputs	NMEA GSOFF, 1PPS time tag (Marine version)
Waterproof.	IP67 or Upgraded version.
Pole drop	Survive minimum 1m pole drop on to a hard surface.
Accessories	2 x CABLE (EURO POWER/CHARGER), 2 x ANTENNA (UHF 450-470 MALE BNC XT), 2 x PRISM SPACER (100 mm), 2 x Tribrach Adapter, 2 x HI ROD, 2 x Tribrach-10 w/optical plummet, 1 x LITEPOLE (ALUMINUM ROD), 1 x Bipod (Aluminum), 1 x Pole Bracket for Controller -Metal and 2 x Wooden Tripod
Tools	Tools required for servicing and maintenance are to be supplied with the equipment. List to be provided.
Catalogue/Brochure	Two sets of original Catalogue/Brochure in English to be supplied



	with the offer.
Standard Accessories	Standard accessories must include which are essential to install and operate the RTK GPS, whether those are mentioned in the specification or not.
Authenticity Certificate	Original authenticity Certificate of the item/ Product from Manufacturer is to be provided.
Manuals/Drawings	Following manuals are to be supplied with each of the equipment: - One set of operating and technical manual in English. - Parts Catalogue. Installation Diagrams (if any).
Installation Materials	All installation materials (if required).
Manufacturer authorization letter	Must be attached.
Training	Standard Operation and general maintenance training package of 05 (five) days (excluding travel time) for 07 (seven) personnel (Project personnel: 02 and equipment user personnel's of BWDB: 05) must be conducted by the manufacturer's engineer at the Manufacturer's premises by suppliers own cost. This training package will also cover the training on item sl.no.3: DGPS, item sl. no. 4: Total station and item sl. no. 5: Digital leveling machine in the same venue.
Delivery, Installation, Test and trail	Installation of the RTK GPS will be carried out by the qualified person(s) of the manufacturer followed by Test and Trail ensuring complete satisfaction of PD representative. Acceptance certificate will be signed jointly with Bidder and PD representative, only after satisfactory test and trail.
Acceptance	Final acceptance will be given after satisfactory performance check in presence of the supplier's Representative.
Warranty	Minimum 01 (one) year. If the equipment remains non- operational for a certain period due to defect in any sub unit or component during the warranty period then the warranty period will be extended for that period. Cost of the replaced unit/ component including airfreight and labor charge/service to be borne by the supplier.
Compliance	A clear and complete compliance statement of the tender supported by Brochure/booklet is to be submitted for evaluation of the quotation. If any clause of this specification does not commensurate with offered item practically, the deviation has to be spelt out clearly

