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MINISTRY OF WATER AND
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P. O. Box 20026
KAMPALA - UGANDA

In any correspondence on
this subject please quote Ref. No. **WSD/165/258/01**

11th January, 2022

TO ALL BIDDERS

SUBJECT: CLARIFICATION NO. 1

SUPPLY AND INSTALLATION OF:

LOT1: HYDROMETRIC EQUIPMENT, INCLUDING ACCESSORIES AND INSTALLATION
UNDER STATION CATEGORIES I, II, III, AND SUPPLY OF FLOW MEASURING
EQUIPMENT AND BASE STATION AND SOFTWARE FOR UGANDA

LOT 2: HYDROMET MODELING UNIT AND SECURITY EQUIPMENT

PROCUREMENT REF NO. MWE/SUPLS/19-20/00040/1/2

This is to issue **CLARIFICATIONS NO. 1** to the question/issues and clarifications sought by different
bidders.

We also clarify that the bid submission date was extended to **8th February 2022** through an Addendum
No1. already issued.

S/N	Issue for Clarification	Our Response
1	The requested staff gauges are made of 2 mm UV treated specialized Plastic. Would it be acceptable to offer emailed steel staff gauges, as these gauges are more durable than the requested plastic ones.	Prefer plastic ones, this is due to the rate of vandalism of metallic as there is a high degree of recycling scrap by the steel factories.
2	Please specify the number of battery chargers (see page 99)?	Referring to page 2-97, section for accessories, 10 battery chargers are to be supplied. On page 2-99, is referring to page 2-97, thus 10 battery charges are required in this section too.
3	Please confirm that really 41 (!!!) manuals for the solar power supply are needed (see page 99)?	Two copies are required for each set of solar system

4	Please confirm that the requested ground water sensor for Category II will be attached to the specified data logger for Category II?	Yes, the ground water sensor will be attached to the data logger for category I (Loggers for Category I and II are the same but the sensors differ)
5	The ground water sensor for Category II is specified for an environment temperature range of "0 to 50 degrees C operational" but the measuring range for the temperature should be "0 to 70 degrees C". We kindly ask you to revise the measuring range also to "0 to 50 degrees C" as this is a good value range for ground water measurements. 70°C are unrealistic in your area.	The measuring temperature range required is in the range ($0^{\circ}\text{C} \geq \text{temp} \leq 70^{\circ}\text{C}$), which is really clear
6	For the ground water sensor in Category II product names from certain producers are mentioned. Is it acceptable if we quote our own products if they are equivalent or better?	No product name, just a better sensor that meets the mentioned specifications.
7	Please confirm that fencing, concrete posts, gate and post foundations are not part of this tender bid since civil works are supposed to be tendered separately?	This part is under a different contract for civil works.
8	Would be a 10-meter mast with a set of 6 guy wires, three on two different heights, acceptable for carrying the instruments? A freely standing tower will be problematically in transporting and tiltable for maintenance.	This is acceptable as the mast must be supported due to its height.
9	On page 103 a foundation for a manual rain gauge is mentioned. The manual rain gauge cannot be found in the BOQ. Is also a manual rain gauge part of this tender bid? Please clarify!	The manual gauges are inclusive, these are to be installed independently though within the same fence.
10	On page 103 an underground conduit is also mentioned. Is the conduit part of this tender bid? Or will it be included in the civil works? If it is part of this tender bid, please inform us and clarify.	It's part of this contract, this is where cables will pass during installation.
11	Regarding the temperature sensor for "Category III: Automated Full Climate Stations (AFC)". Would be a sensor acceptable with a measuring range from -40° C to 60° C instead of -40° C to	For the case of temperature range (-40° C to 80° C), the range is clear (-40° C \geq temp \leq 80° C). A lower resolution is preferred in terms of accuracy, thus 0.01.


	80° C and a resolution of 0.1 ° C instead of 0.01 °C? Our quoted sensor will satisfy the desired specifications according to the WMO standards mentioned in the "Guide to Instruments and Methods of Observation WMO-No. 8".	
12	Please confirm that the wind speed and direction sensor should be an ultra-sonic type as mentioned on page 104 with SDI-12 output. Please revise the table on page 106 accordingly.	It's as mentioned, Ultra sonic with SDI-12 output.
13	The description for the power supply (solar panel and battery) and data logger, please see page 106 and 107, for the weather station in Category III look very producer specific!!! Is it allowed to quote our own equipment (equivalent or better) for this item?	Not targeting a specific manufacturer, we are looking at the specifications and quality of the product, it fine to quote for what you own.
14	The manual rain gauge and the accumulating rain gauge are not specified in detail for Category III. Are we allowed to offer our WMO conform equipment?	Its allowed but of high-quality conforming to WMO standards
15	There is no lightning rod and grounding as well as over voltage protection specified for Category III weather station. Please advice if needed.	All the three are required (Lightening rod, grounding and over voltage protection)
16	The specification for the two Electronic Current Meter (ADC) are made for a specific producer who is also named in the specifications. Are we allowed to quote our own product and software which is equivalent or better?	The specifications are not tagged to a specific manufacturer, quote as per the specifications. It was just a typing error
17	The mechanical current meter is specified on the pages 108 and 109. Is it acceptable that we quote an impellor type current meter instead of a cup type current meter?	There is no problem with the propeller type
18	Please confirm that sinker weights need to be offered with the mechanical current meter?	The weights are required during discharge measurements by suspension, provide the weights
19	. A tagline is mentioned in the specifications of the mechanical current meter on page 108. Could you please specify the length of the tagline?	Tagline with a length of at least 25m.

20	A sounding reel is mentioned in the specifications of the mechanical current meter on page 108. Is it acceptable that we are quoting our winch incl. 25 m measuring/signal cable for this purpose? Do you need also a bridge jib where the winch can be installed?	The bridge jib is required only that in the specification the term hanger bar was used.
21	Please be informed that we do not produce a 15 kg sounding weight. Is it acceptable that we quote a 25 kg sounding weight instead? Please see specifications on page 108.	A 25 kg weight can be provided.
22	Is it acceptable to quote for each LOT separately, so that we can leave one LOT out? In this case only for LOT 1 since the items mentioned in LOT 2 are not within our product range.	It's better to quote for both. Those that are not manufactured by the intending manufacturer/bidder, the bidder can contact competent suppliers
23	. The terms of payment are absolutely unacceptable , as they are linked to services (Civil Works) that are advertised in a separate tender and that we cannot influence. For your information: We already had very bad experiences under these required conditions (civil works by external third parties) in your country / institution several years ago, which we do not want to repeat. It ended up that the civil works at some stations were never completed and therefore the outstanding installations/training could not be done and consequently the last payments withheld. It took years to settle this issue. Please consider & discuss an irrevocable confirmed Letter of Credit for the Goods.	Civil works came in as a result of training on installations, installation could not take place without the structures.
24	3.1.21 ADCP (downward looking) for River Discharge Measurement	
24a	. What is the required communication range (max. distance) between ADCP and laptop?	The maximum communication distance between ADCP and laptop should be greater than 500m

24b	<p>What is the required DGPS accuracy? We could bid a good smart DGPS solution with <1m accuracy.</p> <p>If a better accuracy or RTK is required, that would make a big price difference.</p>	The DGPS accuracy should be less than 1m.
24c	The standard and recommended vessel with foldable crossbar is designed to be stable in rough water conditions and currents of up to 4,6 m/s. would that be acceptable?	The vessel should be foldable for easy transportation on a pickup vehicle, not the one for towing.
25	1.22 ADCP (Side looking/horizontal) for River Discharge Measurement	
25a	We need to know the Min., mean and max. River width and river depth please to select the Channel Master frequency and price.	<p>Maximum width: 900m,</p> <p>Maximum depth: 15m</p>
25b	Who would do the hardware installation? Most likely a diver would be necessary.	The conditions during installation will warrant.
26	<p>3.1.23 ADCP Traveller for River Discharge Measurement.</p> <p>Proposal: Q-boat1250 for StreamPro + mounting kit for RiverRay/RiverPro</p>	
26a	Does the customer have a StreamPro transducer to use with the motorized boat?	No
26b	What is required maximum speed of the boat?	8m per minute
26c	We think the specs are not plausible on pages 115/116 (DGPS, ADCP,...). Would you please check it and give us your feedback?	<p>The specifications are;</p> <p>Traveler Power: 12V 1.2Ah sealed lead acid battery</p> <p>Max speed: 8 m/min</p> <p>Min speed: 0.5 m/min</p> <p>Remote Battery: 12V alkaline eg Duracell MN21; Energizer A23</p> <p>Traveler weight: 530g</p> <p>Control module weight: 1400g</p>

27	I-3 and 6 , Please provide the following information:	
27a	Cable length needed	The question is not clear. If you meant for the sensor, the length should be 100m in length
27b	For the GPRS data logger, our VuLink is an in well device, battery operated and there is no surge protection, is that accepted?	A surge protector is required as the system need to be protected against voltage spikes.
28	II-7 and 11 , Please provide the following information:	
28a	Our Operational temp: -5 to 50° C (23 to 122° F) is that acceptable	The temperature range is $0^{\circ}\text{C} \leq \text{Temp} \leq 70^{\circ}\text{C}$
28b	For the GPRS data logger, our VuLink is an in well device, battery operated and there is no surge protection, is that accepted?	Refer to 27b
28b	II-8, Do they mean dip meter as Water Level Tape? If so, what is the tape length needed?	Dip meter, referring to the dipper used to measure ground water levels in a well, 100m in length.
29	On page 125 is a workstation with curved wide monitor specified. While the monitor is specified in detail, the workstation has no specification at all. Is it acceptable if we select a workstation according to our experience?	The work station specifications were given under section 3.3 on page 125.
30	The requested Uninterrupted Power Supply (UPS) for Base/Workstation on page 125 has an input voltage of 230 V and an output voltage of 120 V. The systems we propose have a 230 V power demand. Are we allowed to offer a UPS with an input and output voltage of 230 V?	It's allowed provided its power supply is steady and uninterrupted.
31	Clarification about the digital water level recording data logger being GPRS or Eumetsat	The loggers required should be GPRS, but the system compatible to Eumetsat as we may transfer to satellite system when need arises (when there challenges with the network at a particular location of the remote station).

32	Logger display system	The data logger display system should not be removable, this is a built-in display.



John Kateregga
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For: PERMANENT SECRETARY