

INVITATION TO BID
ITB_UNDP PSO 600160
Clarifications II to Bidders

Question 1: Shall masts also be quoted for (also see question 7 below)?

Answer 1: yes

On all these 10 stations we need a frame and mast that can support logger and wind sensors at 2m so there is no need for a 10m mast.

Question 2: Do you have an evaluation PC available at the central? Or should we provide them for you?

Answer 2: Yes we have, this will be procured separately.

Question 3: How far is the central station away from the stations?

Answer 3: This varies

Question 4: At which locations shall the stations be installed?

Answer 4: At 2 of the locations: Njolomole in Ntcheu and Santhe in Kasungu

Question 5: What is the sense of the item 1a: Basic AWS? Shall these stations also be integrated into the measuring net of the item 1b: Full AWS?

Answer 5: yes

Question 6: To which point(s) shall the collected of 1a be transferred? Or shall your data be evaluated at the same place (in which case you would need an evaluation PC at every site)?

Answer 6: evaluation can be done centrally at Met Headquarters once we are able to download and access the data

Question 7: No masts are mentioned in the bid on page 26 3a) it is mentioned Basic automatic Weather station 5 (+1 spare) and 3 b) is mentioned Full automatic weather stations with factory or onsite training 5 (+1 spare) . Later each instruments/ sensors are mentioned 6 pieces each.

- a) Do you mean by this that you need 5 fully equipped stations with masts and (1 set of spare sensors and other needed spare parts) or do you mean that 6 full stations including masts are needed ?
- b) There are different kinds of masts. The basic masts and then more costly masts, which can be tilted with a winch and worked with one man only? Which kind of mast you would like to be quoted?
- c) Are any local displays or computer + software needed to show locally the data?

Answer 7: one additional set of all sensors will be spares in case some stops functioning

Basic masts will do, yes we need local displays as this has been request by hosts institutions it will be ok to have local computers and associated software's at each of the stations so that hosts institution are able to see and use the data as they seem fit.

Question 8: Section 3a: 1b,7 GSM/GPRS Management Base Station: v. Autonomously collects data from all stations in the user preset intervals

→ What is the minimum interval the data shall be collected from the automatic weather stations?

Answer 8: hourly will be ok

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Question 9: Section 3a: 1b,7 GSM/GPRS Management Base Station: xii. Ideally includes automatic conversion of retrieved data into standard synop code for GTS transmission

- Since the use of standard SYNOP coded reports delivered in TAC format to GTS/WIS network is to be discontinued in November 2014 as informed by WMO in 2010 is it acceptable to provide an automatic conversion of retrieved synoptical 3h and 6h data into standard BUFR code in TDCF format for GTS transmission via SFTP instead to meet the latest WMO requirements? For further information, see: "The Commission agreed on the deadline of November 2014 to stop the parallel distribution of TAC and TDCF data for the category 1 as well as the category 2 (satellite observations) and 4 (marine data). After November 2014, the TAC may be used only for the exchange of data between two NMHS under bilateral agreement." (WMO-No. 1070. Commission for Basic Systems Extraordinary session - Final report, 2010, http://www.wmo.int/pages/prog/www/CBS/Reports/2010_Ext10_Windhoek_1070/1070_en.pdf).
- Is there any Message Switching System (MSS) installed in Malawi to take care of the GTS transmission or shall the base station provide the direct connection to GTS network instead?
- Can you provide a detailed list of data items to be reported which are also included in the WMO BUFR template for synoptic reports from fixed land stations suitable for SYNOP data?

Answer 9: yes we already have a working Message Switching system.

WMO standards apply where applicable, otherwise companies should indicate which data items can be reported.

Question 10: Section 3a: 1b,7 GSM/GPRS Management Base Station: iv. Supports at least 100 remote units of various sensor configurations, and be upgradeable to support at least up to 200 remote units

- How long time the collected data shall be stored by the management base station?

Answer 10: 30 days is ok

Question 11: Part 1b: Full Automatic Weather Stations) you see that number 7 (seven) is repeated twice (GSM/GPRS Management Base Station, as well as Power Supply, which obviously refers to the AWS).

Answer 11: The Power Supply is a separate item – please quote for both in the price schedule.

Questions 12: The delivery term required for this supply contract is DAP, but there is no mention of local taxes, VAT etc. Normally all local taxes, including VAT, custom duties etc, are excluded from these supplies. Can you please confirm that the price of our offer will be EXCLUDING VAT and any other custom duty?

Answer12: The UN as an International Entity is tax exempt, please note that UNDP will be responsible for Customs Clearance.