



water & sanitation

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Water and Sanitation
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Ref: WP11570

BID NO AND DESCRIPTION: WP11570: APPOINTMENT OF A PROFESSIONAL SERVICE PROVIDER (PSP) FOR THE MIDDLE LETABA WATER DEVELOPMENT PROJECT (MLWDP): PHASE 2 AND 3 – MODULE 1: PRE- FEASIBILITY STUDY FOR A PERIOD OF 15 MONTHS

Questions raised by prospective bidders and the answers. Questions and answers.

1. Terms of Reference - Section 6.2.2: Why is a rainfall data update required (with detailed sub-tasks for this purpose listed in the Bid Doc) if the scope does not also require an update of the hydrology. Also ref. Section 6.2.6: requiring yield analysis using the WRYM and existing hydrology. Please clarify/comment

= The purpose of the rainfall data update under Section 6.2.2 is to extend and improve the hydrological input datasets up to the 2026/27 hydrological year to enhance the reliability of water resource assessments undertaken during the study. Section 6.2.2 specifically states that the updated rainfall information is required as input to the Water Resource Simulation Model (WRSM) and includes activities such as gauge screening, data validation, infilling of records, and estimation of catchment MAP values. While the ToR does not require a full recalibration and redevelopment of the catchment hydrological models from first principles, bidders should note that the updated rainfall records are intended to support the updating and verification of hydrological inputs used for the water resource assessments, yield analyses, and option evaluations. The Department's intention is that existing hydrological studies, datasets, and models be utilised as far as practicable to avoid unnecessary duplication of work, while ensuring that water resource assessments and WRYM analyses are based on the most current and reliable information available. It is important to note that a limited hydrological update is implicitly expected from the rainfall update

2. Terms of Reference - Section 6.2.6: Requires **historical yield analysis**, but stochastic analyses would be more appropriate to determine yield volumes and assurance of supply. **Please comment**

= The Department acknowledges that stochastic analyses can provide valuable insights into system performance, reliability, and assurance of supply under a broader range of hydrological conditions. The requirement in Section 6.2.6 for historical yield analysis is intended as a minimum requirement to establish a consistent basis for comparing the development options using the available hydrological information. Bidders are encouraged to utilise their professional expertise and may supplement the historical yield assessment with stochastic analyses where such analyses are considered necessary to improve the robustness of the option evaluation and recommendation process. Any additional analyses should be appropriately justified and integrated into the comparative assessment framework. The Department will view positively any methodology that strengthens the technical basis of the recommendation, provided that the proposal remains aligned with the objectives, timeframe, and budget constraints of the study

3. Terms of Reference - Section 6.2.5: The final paragraph on page 23 reads: "The PSP shall conduct a desktop study by collating and reviewing existing geological maps, hydrogeological data, seismic records, aerial imagery, LiDAR surveys (if available), and previous reports or Geological Surveys". A LiDAR survey is required for a study of this nature. This has a significant impact on our pricing. Can the department confirm whether a LiDAR survey is available? If a LiDAR Survey is not available, can the department please confirm what the extent of the LiDAR survey must be?

= The reference to LiDAR data in Section 6.2.5 relates to the review of existing information and states "LiDAR surveys (if available)." The Department is not currently committing to the availability of any existing LiDAR dataset for the study area. For bidding purposes, no new LiDAR survey is required under this pre-feasibility study unless specifically proposed by the PSP as part of its methodology. The geophysics scope defined in the ToR is considered sufficient for the level of investigation required during the pre-feasibility phase. Should existing LiDAR datasets become available during the study, such information will be made available to the appointed PSP where permissible. If the appointed PSP subsequently determines that additional topographic information, including LiDAR acquisition, is required to support future feasibility-level investigations, such requirements should be identified and documented as recommendations for the subsequent feasibility study rather than priced as a mandatory component of this pre-feasibility study

4. Terms of Reference - Section 6.2.5: The final paragraph on page 23 reads: "The PSP shall conduct a desktop study by collating and reviewing existing geological maps, hydrogeological data, seismic records, aerial imagery, LiDAR surveys (if available), and previous reports or Geological Surveys". A LiDAR survey is required for a study of this nature. This has a significant impact on our pricing. Can the department confirm whether a LiDAR survey is available? If a LiDAR Survey is not available, can the department please confirm what the extent of the LiDAR survey must be?

= The Department has considered the request for an extension. However, due to programme requirements and procurement timelines, the original closing date will remain unchanged