

**Project: Consultancy Services for the Dam Break Analysis of Mare aux Vacoas, Midlands Dam,
La Ferme, Mare Longue & Piton du Milieu Reservoirs
in the Republic of Mauritius
Description: Clarifications No.1**

SN	Query	Reply
1.	<p>Will bathymetric surveys of each of the five reservoirs be available to the consultant in order to compute the storage capacity curves of the reservoirs? Do we have to include it in our proposal? Please clarify.</p>	<p>Hydrographic survey and Sedimentation Study Reports for Mare aux Vacoas, Piton du Milieu and La Ferme Reservoirs (1997) will be made available, if required, to the successful Consultant.</p> <p>For Midlands Dam, the required information may be extracted from the Detailed Design Report (1998), which will be made available to the successful Consultant, if required.</p> <p>As for Mare Longue Reservoir, should the Consultant deem it necessary for relevant bathymetric survey to be conducted, any cost associated to the survey should be included in the Consultants' proposal.</p>
2.	<p>It is part of the assignment to carry out topographical surveys of any required area for the purpose of the detailed flood routing. This topographical survey is an unknown which can only be defined after carrying out the preliminary flood routing and knowing the existing data. Could you please allow for a provisional sum on that matter so that we propose a rate per km² of survey? If not allowed, could you please provide the extent and accuracy of the existing survey?</p>	<p>The low resolution models (1D & 2D) could be worked out from LAVIMS aerial imagery digital maps together with the Digital Elevation Model (DEM) data in ASCII format available for the whole of the Republic of Mauritius carried out by the Ministry of Housing and Lands. (A copy of same will be made available to the successful Consultant for the Study). The 10 m DEM data can be used to generate contours at 2m. (A copy of the 'LAVIMS Control & Imagery Report' prepared by Ministry of Housing and Lands (June 2009) is also attached for more detailed information).</p> <p>The Consultant is to estimate the extent of the LIDAR survey based on the amount of green area or canopy area (mostly in river valleys) where accurate levels cannot be acquired by other means. The targeted accuracy with regards to levels is 50 cm or lower.</p>

3.	<p>In order to propose you an optimized offer, could you please provide the list of structures along the river for which topographical survey already exists?</p>	<p>Please refer to reply to query no. 2.</p> <p>The topography of all structures can be retrieved from these maps and detailed LIDAR survey conducted, if required by the Consultants.</p> <p>Further, ARC GIS software is already available at the WRU. However, to produce information on ARC GIS format, the Consultant will have to process AutoCAD vectorial/raster data to GIS shape files. Geographical Information System (GIS) data shall be produced for the results of different dam break scenarios and shall contain the different submergence areas. The GIS data so produced shall:</p> <ol style="list-style-type: none"> 1. be ESRI Shapefiles (or Feature Classes within an Arc GIS File Geodatabase) and shall have the new Geodetic Datum for the island of Mauritius which is referenced to the WGS 84 ellipsoid and the UTM mapping coordinates. 2. include appropriate field(s) containing records depicting the progress of submergence at different specified time intervals.
4.	<p>Does a study of the valley stakes exist (census of inhabitants, inventory of economic valuables,...)? Do we have to include it in our proposal? Please clarify.</p>	<p>No detailed Study of the valley stakes are required. However, to fulfill the requirements of the TOR, the Consultant is expected to estimate the losses on the basis of analysis carried out and land-use maps available from the Ministry of Housing & Lands</p>

5.	<p>Could you please indicate what is the scale required for the inundation maps?</p>	<p>The scale of the inundation maps shall be 1:10,000 or better.</p>
6.	<p>Does a map database of the study region exist? Will it be made available to the Consultant? Please clarify.</p>	<p>Refer to answer to Reply to <i>Query No. 3</i></p>
7.	<p>In § 7.4 – Meteorological data of the ToR (Section 5), it is mentioned that “a provisional sum of MUR 8.0 million is being provided for purchase of rainfall data, if required. This cost will not be considered in the financial evaluation”. How should this sum be included in the financial proposal (Form FIN 3)? Please clarify.</p>	<p>The provisional sum of MUR8.0 million shall be available when required for purchase of meteorological data/rainfall data save for hydrological data, which can be made available to the Consultant. The provisional sum must not be included in the financial offer.</p> <p>As regards to flow data, the Hydrology Yearbook is available on the web site of the Ministry of Energy and Public Utilities http://publicutilities.govmu.org</p>
8.	<p>We noted a discrepancy in the RFP: Similar study shall have been undertaken in the past 12 years in ITB but in the past 10 years in TOR. Please confirm whether 12 years or 10 years is to be considered.</p>	<p>Please refer to Addendum No1 on the following link : http://publicprocurement.govmu.org</p>

9.	Is attendance at the pre-proposal conference and site visits held on the 23/26 February <u>compulsory</u> ?	Attendance at the pre-proposal conference is not compulsory. Prospective Bidders may conduct independent visits at the concerned sites after liaison with the Water Resources Unit.
10.	“The Bidders shall be registered with the Construction Industry Development Board (CIDB) in the field of Civil Engineering” – is this qualification limited to Civil Engineering only or does it include project and contract management as well?	Please refer to Clauses 1.8 & 1.8.1 (Data Sheet) of the Instructions to Consultants. The Consultant is also required to consult the Registrar of the Council of Registered Professional Engineers (Mauritius) for ascertaining the requirements for expatriates Engineers for this Study.
11.	In the data sheet, section 3.4. Page 28. It is written that consultant undertake two dam break analysis during the last 12 years. But in the TOR (pg 78 it is written 10 yrs).	Please refer to Addendum No. 1 on the Public Procurement Portal website at the following link : publicprocurement.govmu.org
12.	In the data sheet, section 4.3. Page 30. One soft copy requested to submit is only financial proposal or both of financial and technical proposal?	Consultants are expected to submit One (1) Original + Two(2) Copies of Technical Proposal together with One (1) soft copy. The Financial Proposal shall be submitted in One (1) Original Hard copy only.

13.	With reference to the ToR page 80, the specific requirements for the Social Economist, are as below “An Expert with a degree in the field of Economics or Social Sciences or in a related field with at least 5 years’ experience in undertaking social economic studies. He/she should have experience on at least 1 (one) project of similar nature and complexity”. Please confirm if ‘Geography’ will be accepted as a related field; providing the person has the required project experience?	The Consultant should ensure that any proposed Expert, having the required experience should also meet the minimum qualification requirements.
14.	With reference to the ToR page 42 it states that 4 points are award for “participation by nationals among key staff”. Please confirm whether or not this applies only to ‘Key Experts’, ‘Other Experts’ or support staff?	The participation by nationals applies to ‘Key Experts’ only