

Clarification on the queries of RFP

The clarification on the queries raised by shortlisted consultants, on Request for Proposal of consulting services for Detailed Engineering Study (Inkhu, Siwa, Lower Hongu, Budhi Ganga ~~6.2 MW~~ HPs) of 4 different project (RFP published on 2072-01-09 by DoED), during pre-proposal meeting held on 7th May, 2015 at 1.30 PM and queries raised through letter are as follows:

Note: - All the clarifications given below are applicable for all four different projects (Inkhu, Siwa, Lower Hongu, Budhi Ganga 6.2 MW HPs).

S. No.	Queries/Observations of Consultants	Clarification for the queries by DoED
1	<p>It is mentioned in the RFP that “In case of the firm’s experience. If the completion certificate is issued by a private client, the firm should mention the name of public entity where the study reports were submitted; otherwise the experience will not be accounted for evaluation.”</p> <p>We would like to bring to your information that all the study reports are not required to be submitted to the public entity (such as detail design/tender documents). Hence we request you to remove this criteria.</p> <p>and</p> <p>Page 17, Note (Bullet point 3). It is mentioned that “..... the firm should mention the name of the public entity where the study reports were submitted; otherwise the experience will not be accounted for evaluation.</p> <p>The detailed design reports are usually not submitted to any public entity if the Client is a Private entity. Hence, we request this line to be rephrased for the case of detailed design study carried out for Private Clients.</p>	<p>Indicated lines shall be read as follows:</p> <p>“In case of the firm’s experience in Feasibility study/ Detail Project Report, IEE/ EIA study report; if the completion certificate is issued by a private client, the firm should mention the name of public entity where the study reports were submitted; otherwise the experience will not be accounted for evaluation.”</p>
2	<p>You are well aware of the catastrophic natural disaster on 25th April, 2015 and aftershocks hence after. Even till date most of the technical persons are volunteering to assess the residential structures in the earthquake affected areas. Therefore, due to this we kindly request you to extend the deadline for submission by 15 days.</p>	<p>As still 15 days is available for the preparation of the proposal extension of time is not possible. Deadline for submission of the RFP will remain same as per notice on 2072-01-09.</p>

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3	Under Information to Consultants(P18), The academic qualification of senior surveyor is missing it should be addressed whether Bachelor's Degree or Master's.	The sentence written in 3 B (e) in 5.3 of data sheet for qualification of senior surveyor should be read as " Senior Surveyor (Minimum 10 years of experience after graduation and should have qualification of Bachelor degree in relevant subject) "
4	The definition of Public or Semi Public entities is requested to be clarified.	These terms shall be defined as per Clause 2 (b) of Public Procurement Act 2063
5	<p>(P78)(lower Hongu) "the detail drawings shall be in sufficient detail so the contractor can prepare and place a bid for construction"</p> <p>Please clarify if the design should include detail reinforcement drawings or not. Generally in our understanding tender drawing do not include reinforcement drawing.</p> <p>Is bar bending schedule also needed or not.</p> <p>and</p> <p>Page 77. Detailed Drawings. It is mentioned that " the detailed drawings shall be in sufficient detail so that the contractor can prepare and place a bid for construction" However, it was mentioned in the Pre-bid meeting dated May 07, 2015 at DoED office that reinforcement drawings are also required.</p> <p>As a general practice, the tender level drawings and BoQ are prepared based on tender level civil design only. Detailed reinforcement drawings are not required for the purpose of preparing and placing a bid for construction as mentioned in the RFP.</p> <p>Please clarify if reinforcement drawings and Bar Bending Schedule are also part of the scope of works or not. If yes, then how the reinforcement drawings for powerhouse should be carried out in absence of sufficient details about the Electro-mechanical equipment from the EM contractor?</p>	Detailed Engineering Design report is intended to implement the project, so the consultants have to provide construction level drawing for each project components. However the consultant has to prepare drawings of electrometrical works upto possible extent. The consultant has to prepare reinforcement drawings and bar bending schedule for all the civil works.
6	(P48) (Lower Hongu), point no.(c), please clarify the scope of impact study of climate change"? This is a broad subject hence the amount of study needed	Please refer 6.2.8 of page 66 of the RFP documents.



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	<p>should be clarified</p> <p>and</p> <p>Page 49, Section 6.2 bullet point 2 mentions that the detail engineering design should also consist of "Climate change studies". Please elaborate the scope in detail.</p> <p>In our opinion, such studies are only required for large reservoir project which may alter the climatic situation in the project (reservoir) area. Please clarify the scope of such study for an RoR project under consideration.</p>	
7	<p>(P53) (Lower Hongu) Please clarify me scope of hydraulic modelling. Is the numerical model 2D/3D? Please clarify the scope.</p> <p>And</p> <p>Page 53 section 6.2.2.2. It is mentioned that " the consultant shall carry out hydraulic numerical modeling to validate the estimated flow....."</p> <p>As per our understanding, this seems conceptually incorrect. Numerical hydraulic models do not validate estimated flow.</p> <p>Please clarify the detailed scope and the expected output of the numerical hydraulic model and what kind of softwares shall be used for the purpose.</p>	<p>Two dimensional (2D)Hydraulic Modelling (numerical) of has to be carried out to validate the estimated flow and confirm the flow duration curve. The consultant shall use standard applicable software available in market.</p>
8	<p>(P53) (lower Hongu) It mentions "the consultant shall determine the probable storage value, live storage, dead storage..... Is all this required for RoR projects.</p> <p>And</p> <p>Page 53 section 6.2.2.3, second paragraph. It is mentioned that "The consultant shall determine the probable total storage volume, live storage volume and dead storage volume of the pondage reservoir.....Sediment deposition analysis in the pondage area....."</p>	<p>Indicated lines shall be read as: In case of proposing PROR/Storage for any of the project, the consultant shall determine the probable total storage volume, live storage volume and dead storage volume of pondage reservoir at interval of 5 years upto 100 years, taking account of sediment/bed load type, their distribution and deposition.</p> <p>Above statement is applicable to all 4 projects of detail engineering design.</p> <p>If the sediment concentration is on the higher side (beyond</p>

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	<p>This is not relevant for a RoR scheme under consideration. Please correct/clarify.</p> <p>It also mentions that "if the sediment concentration is on the higher side (what is the benchmark to decide this?), then the consultant shall conduct preliminary watershed management.....to reduce the sediment inflow in the river.</p> <p>The work of watershed management is a detailed work and is a prohibitively costly job for an RoR of project of less than 25 MW).</p> <p>Please clarify if this is really required.</p>	<p>the tolerable limit)the watershed management study required is of only preliminary level.</p>
9	<p>How many staff gauge for Discharge measurement has to be installed.Is it different for the 4 different projects as in RFP.</p> <p>And</p> <p>Page 51. Section 6.2.2.1. It is mentioned that " the consultant shall install 2 hydrological gauging station (staff gauge) at appropriate location at intake and powerhouse site....." This is in contradiction with page 49, second last paragraph. This paragraph mentions that " the Consultant shall install staff gauge at intake site....."</p> <p>Please clarify.</p>	<p>Only one staff gauge at intake site has to be installed for discharge measurement for each of the 4 projects (job no. DoED/DED/2071/72-18,19,20 & 21).</p>
10	<p>Page 50, last paragraph. It is mentioned that "In case of canal/tunnels alignmentpermanent benchmarks should be established at an interval for not more than 500m.</p> <p>This line may not be applicable for the case of tunnels because it is difficult (and also impractical) to actually survey the tunnel alignment due to topography. The contours along the tunnel alignment can also be extracted from the GIS maps available at the Department of Survey which is accurate enough for the purpose of detail design of tunnels.</p>	<p>For tunnel alignment the permanent BM should be established as per need of field requirement. Such BM should be established at least at inlet & outlet portal of tunnel, inlet of adit portal and at other places where the project structures exists.</p>

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11	<p>Page 77 section 7.3. It is mentioned that the design of Electrical-Mechanical Equipment such as Turbines and Generators, gates and valves, station and service equipment, transmission and substations etc shall also be carried out by the consultant.</p> <p>The final design of these components is very detailed and can only be carried out by the Equipment supplier itself after the tender is awarded.</p> <p>Please clarify in detail, the scope of such design to be done by the Consultant.</p>	<p>The consultant has to conduct the design of Electrical-Mechanical Equipment such as Turbines and Generators, gates and valves, station and service equipment, transmission and substations etc required for tender work in consultation with possible suppliers.</p>

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