

Government of the People's Republic of Bangladesh
Office of the Project Director
Bangladesh Rural Water Supply and Sanitation Project
Department of Public Health Engineering
DPHE Bhaban (5th fl), 14, Shaheed Captain Monsur Ali Sarani, Kakrail, Dhaka-1000.

Memo No: 147/PD/BRWSSP/DPHE

Dated: 29/11/2012

RE-INVITATION OF REQUEST FOR EXPRESSIONS OF INTEREST (INDIVIDUAL CONSULTANT)
for a position of Hydro Geologist under Bangladesh Rural Water Supply and Sanitation Project
(BRWSSP), (Contract Package No. S-04).

The Government of the People's Republic of Bangladesh (GoB) has undertaken the "Bangladesh Rural Water Supply and Sanitation Project (BRWSSP)" with the financial support of the International Development Association (IDA)[Credit No.: IDA5075-BD]. Department of Public Health Engineering (DPHE) of Bangladesh is the implementing agency of the Project. A part of the IDA fund will be utilized for payments of **Hydro Geologist** who will assist the Project Management Unit (PMU), BRWSSP, DPHE to examine the records of existing operational PTWs, Supervise and guide preparation of report on findings and provide guidance for drilling new wells considering location, depth, design, operation and O&M and conduction of hydro geological investigation, including exploration drilling; Review and evaluate all arsenic mitigation measures in place and see to the execution of specific studies such as recharging of deeper aquifers.

The services include but not limited to:

(i) Examine the records of existing operational PTWs, especially bore logs to get an insight into the aquifer conditions and related litho logical data/info along with TA consultants; (ii) Supervise and guide preparation of report on findings and provide guidance for drilling new wells considering location, depth, design, operation and O&M; (iii) Supervise and guide conduction of hydro geological investigation, including exploration drilling; (iv) Review and evaluate all arsenic mitigation measures in place and see to the execution of specific studies such as recharging of deeper aquifers; (v) provide necessary data/info /recommendations to the PMU/local DPHE for drilling proposed PTWs in the scheme areas; (vi) Monitor and Supervise during Carry out full-fledged hydrological and hydro-geological surveys and investigations in the scheme areas under technical guidelines and supervision of PMU; This will include test boring, aquifer test, flow and water level measurement at different season, water quality testing including all other parameter required for the safe water assessment and identification of sustainable water source; (vii) Identify technological options with alternatives suitable for the scheme with proper justification and scientific analysis; (viii) Recommend the water supply technology for non-piped option based on analysis of hydro-geological and hydro-chemical situation reflecting the opinion of the community; (ix) Prepare the Environmental and Social Management Plan in the light of Environmental Management Framework and Social Development Framework developed under the project; (x) Assist the PD on any other matters of project interest.

The qualifications and experiences required for the assignment are:

- a. Bachelor & Masters degree in geology, hydrology, engineering geology, physical, or earth science, or B. Sc. in Water Resource Engineering or in the related field
- b. Minimum 10 years of experience and track record in relevant area.
- c. Expertise shall include hydro geological/groundwater assessment studies, preparing litho-stratigraphy bore hole logging, surface geophysical interpretation, hydrochemistry, well design, pump/aquifer test design, especially spanning ground water usage for public water supply systems in Bangladesh
- d. Familiarity with the NWSSSP and NWP (National Water Policy) will be an added advantage.
- e. Hands on experience in working with NGOs in delivery of water supply.
- f. Experience in working with Public Private Partnership model in water supply sector

- g. Ability to work in a multi- disciplinary team environment
- h. Working experience in donor assisted government project
- i. Skills in computer aided design of PTW
- j. Fluency in English both oral and written
- k. Competence in relevant report writing
- l. Age preferably below 50 years

Department of Public Health Engineering (DPHE) now seeks applications from eligible Applicants to indicate their interest in providing the services. Applicants are invited to provide information indicating that they are qualified to perform the services (complete CV with detail information about employment history with duties and responsibilities, academic details, major publication (if any), contact address including telephone number and e-mail (if any). The Consultant will be selected using the Selection of Individual Consultants method in accordance with the World Bank Guidelines on "Selection and Employment of Consultants under IBRD Loans and IDA Credits & Grants by World Bank Borrowers January 2011". Only short-listed candidates will be contacted. It is expected that the services will be commenced on January 2013.

Interested Applicants may obtain the Terms of Reference (TOR) upon request from the address provided below either by e-mail or in person during the office hours (09-00 AM to 05-00 PM). The TOR will be also available at the DPHE website (<http://www.dphe.gov.bd>).

Expression of Interest (EOI) must be submitted in 07 (seven) copies including 01 (one) main copy by the applicant on or before 13 December, 2012 within 12:00 PM in a sealed envelope delivered to the under signed and clearly marked "Expressions of Interest for Hydro Geologist". EOIs received after the deadline of submission will not be considered for short listing.

Duration of the Assignment:

The duration of the assignment is 48 months which may change based on the requirement of the project.

Special instructions:

- (a) The authority reserves the right to accept or reject any or all of the EOIs or cancel the EOI Process at any stage without assigning any reason whatsoever and without incurring any liability to the affected applicant(s).
- (b) The employer will not be responsible for any cost or expenses incurred by the applicants in connection with the preparation or delivery of the EOI.
- (c) DPHE will not be responsible for any delay in submission including delay due to postal or any other reason.

For any clarification and background information, intending entities may contact DPHE at the given address.

Office of the Project Director
Bangladesh Rural Water Supply and Sanitation Project
Department of Public Health Engineering
DPHE Bhaban (5th fl), 14 Shaheed Captain Mansur Ali Sarani, Kakrail, Dhaka
Phone: Project Director-02-8322438
E-mail: pdbrwssp@yahoo.com/ pdbrwssp@dphe.gov.bd


- 29/11/12
(Monwar Ali)

Project Director (Supdt. Engr.)
Bangladesh Rural Water Supply and Sanitation Project,
Department of Public Health Engineering

Memo No: 147(3)/PD/BRWSSP/DPHE

Dated: 29/11/2012

Copy with enclosure to:

1. Director General, CPTU, IMED, Dhaka. (Attention : Programmer, CPTU) Please publish the advertisement in your web site.
2. Mr. Arif Ahamed, Task Team Leader, World Bank, Dhaka Office.
- ✓ 3. Programmer, DPHE, Dhaka. Please publish the advertisement in DPHE web site.


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Department of Public Health Engineering

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Copy with enclosure forwarded for wide circulation:

1. Chief Engineer, DPHE, Govt. of Bangladesh, Dhaka.
2. Additional Chief Engineer (Planning/ Works/Water Resources), DPHE, Dhaka.
3. Project Director.....Project, Dhaka.
4. Superintending Engineer, DPHE.....Circle
5. Executive Engineer/Deputy Project Director, DPHE.....Division
6. Notice Board, PMU, BRWSSP.


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(Monwar Ali)

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