



State Water & Sanitation Mission
(Department of Drinking Water & Sanitation, Govt. of Uttarakhand)
First Floor, The Institution of Engineers Building
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Ref.....

316/W-326 /2014-15

Dated: 10 June, 2014

Uttarakhand Rural Water Supply & Sanitation Project
Invitation for seeking Expression of Interest (EOI) from
Individual Engineering Consultants for concurrent monitoring and preparation of
Final Completion Report (FCR) under Additional Financing Credit No: 5372-IN

1. The Government of India has received a credit (Credit No. 5372-IN) from the International Development Association (IDA) towards the cost of Uttarakhand Rural Water Supply and Sanitation Project (Additional Financing), and intends to apply part of the proceeds of this credit to payments under the contract for hiring suitable Independent Technical (Engineering) Experts for Concurrent Monitoring of restoration/reconstruction works taken up under Additional Financing Project.
2. State Water & Sanitation Mission (SWSM) intends to engage about 10 Individual Engineering Consultants for preparing FCRs of Restoration/Reconstruction of Schemes of Uttarakhand Peyjal Nigam (UJN), Uttarakhand Jal Sansthan (UJS) & Project Management Unit, Swajal. The consultant shall work as an extended arm of the SWSM for Site Visit, Joint Inspection Report (JIR) and preparation of Final Completion Report (FCR) with the help of District Project Management Unit (DPMU Swajal) GP & Users Water Supply and Sanitation Sub Committee (UWSSC) in case of PMU. However, UJN and UJS are directly executing the restoration/reconstruction work. Consultants will be paid on the basis of number of FCR prepared on fixed rate of ₹18000.00 per FCR (Including all expenses and taxes)
3. **OBJECTIVE OF THE ASSIGNMENT**
The main objective of this assignment is for concurrent monitoring and to prepare Final Completion Report and formally finalize the settlement of accounts on the basis of Audit report and complete necessary formalities with the community regarding quality and cost of schemes.
4. State Water & Sanitation Mission now invites eligible Individual Engineering Consultants to indicate their interest in providing the services. Interested consultants must provide information indicating that they fulfill the following qualifications-

QUALIFICATION OF CONSULTANTS

- The consultant should have Bachelor's Degree in Civil Engineering and at least 3 years experience in rural water supply and sanitation or Diploma in Civil Engineering with 8 years experience in rural water supply and sanitation sector with exposure to technologies used and experience in design of water supply schemes. Experience of working in Hill Areas will be treated as additional qualification.
5. A consultant will be selected in accordance with the procedures set out in the World Bank's Guidelines Selection and Employment of Consultants by Bank Borrowers January, 2011.
 6. Interested Consultants may obtain further information at the address given below from 10:00 AM to 5:00 PM on any working day. Terms of Reference is available on website <http://swajal.uk.gov.in>.
 7. The Letter of Expression of Interest giving following details should be submitted for the assignment superscribed with the words "Application for the assignment of preparing of Final Completion Report" and should reach Chief Engineer, State Water & Sanitation Mission,

Department of Drinking Water & Sanitation, Uttarakhand, First Floor, The Institution of Engineers Building Opposite ISBT, Dehradun by 1500 hours on **4th July, 2014.**

(1) Name, (2) Date of Birth, (3) Technical Qualification (Supported by Attested Certificate), (4) Year of Passing, (5) Experience Certificate/Proof from Previous/Existing Employers/Client, (6) Phone/Mobile No., (7) Postal address

Chief Engineer, State Water & Sanitation Mission, Department of Drinking Water & Sanitation, Uttarakhand, First Floor, The Institution of Engineers Building Opposite ISBT, Dehradun-248171, Uttarakhand Pin Code: 248001 Tel:91-0135-2644050 Fax: 91-0135-2643727

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TOR for Concurrent Monitoring by Individual Engineering Consultant

Background:

1. The original IDA Credit of US\$120 million for the Uttarakhand Rural Water Supply and Sanitation Project (UKRWSSP) became effective on November 30, 2006. The original project development objective is ‘to improve the effectiveness of rural water supply and sanitation services(RWSS) through decentralization and increased role of Panchayati Raj Institutions and local communities in the state of Uttarakhand.
2. Uttarakhand has been affected by severe floods and landslides in June 2013. A Joint Rapid Damage and Needs Assessment (JRDNA) carried out by the World Bank, the Asian Development Bank (ADB), and the GoUK from July 29 to August 07, 2013 at the request of the Department of Economic Affairs (DEA), Government of India. A detailed project report for reconstruction & restoration of damaged rural water supply and sanitation facilities was prepared and sent to the World Bank through Govt. of India for additional financing. The World Bank has, approved a credit of US\$24 million against the total project cost of US\$27.86 million.
3. The objective of the additional financing project is to restore services of damaged schemes in disaster affected areas. A new Component D, RWSS Disaster Mitigation Activities. Component D has been introduced in continuation to ongoing project to implement the disaster mitigation and related activities. The modified Project development objective is: *“To improve the effectiveness of rural water supply and sanitation services (RWSS) through decentralization and increased role of Panchayati Raj Institutions and local communities in the state of Uttarakhand and restore services of damaged schemes in the disaster affected areas.”*
4. The additional financing project will finance the reconstruction & restoration of about 3000 damaged water supply schemes and about 3000 sanitation facilities. There are three implementing agencies viz. Uttarakhand Peyjal Nigam, Uttarakhand Jal Sansthan & Project Management Unit-Swajal Project, which will be carrying out the restoration works.
5. It is intended to engage individual engineering consultants to maintain the quality of works to be done under additional financing for disaster mitigation under rural water supply and sanitation schemes. The SWSM intends to out-source the concurrent monitoring of the restoration/reconstruction work by individual engineering experts.

OBJECTIVE OF THE ASSIGNMENT

6. The main objective of this assignment is to institutionalize mechanism for concurrent monitoring of the restoration/reconstruction work by an independent technical engineering expert and preparation of completion report on the basis of measurement of actual works done at site.

SCOPE OF WORK

7. The Project is delivering an integrated package reconstruction and restoration of damaged water supply schemes and sanitation works. Hence the concurrent monitoring and preparation of completion report will entail inclusion of both the components. Sanitation works are being done by the Project Management Unit-Swajal project only. Maximum 30 water supply schemes will be given to the single consultant for preparation of final completion report of reconstruction and restoration of damaged water supply scheme and sanitation works. Detailed activities for concurrent monitoring and preparation of completion report are as under :
 - (i) Concurrent monitoring will be done by visiting the allotted site at least twice during construction period and once after completion of the scheme.

- (ii) Measurement book will be checked for its completeness and correctness by physical verification of work done at site at regular intervals of time.
- (iii) Check the stock register for receipt, issue and balance material in hand with delivery challan, indent and issue slips.
- (iv) Check the consumption of material for the scheme.
- (v) Review final completion drawings.
- (vi) Check functioning of all key installations.
- (vii) Preparation of final completion report of reconstruction and restoration damaged water supply scheme and sanitation work.
- (viii) The duration of the assignment will be six months which is extendable for further three months subject to satisfactory performance.

METHODOLOGY:

- 8. The consultant shall refer DPRs to have a basic understanding of the issues affecting the damaged water supply and sanitation works in the rural areas.
- 9. The consultant should clearly understand the methodology for the tasks mentioned under the scope of the work and list any other required tasks that are found necessary to achieve objectives of the assignment. It is generally expected that the consultant will interact with UWSSC (in case of PMU only), and the Engineer-in-charge during the visits.
- 10. In case of PMU schemes, the consultant should ensure that the rate analysis should be exclusive of contractor's profit if the labour work is being done on muster-roll basis.

EXPECTED OUTPUT

- 11. Consultant will submit the two visit reports and the final completion report in 4 copies (one for GP/UWSSC, one copy for DIA/Division/District office of Executive Engineer/Project Manager of concerned DIA/Division/District and one for Head Office of Implementing Agencies and one copy for SWSM complete in all respect).
- 12. The formats for the visit report is attached as **Annexure-I** and final completion report should be as per **Annexure-II**.

PAYMENTS

- 13. The consultant payment will be released in two installments. First installment of 25% will be released on receipt of first visit reports of minimum 10 schemes duly verified by concerned district level implementing agency. The final payment (75%) will be released based on the final completion report prepared and submitted to GP/UWSSC, Executive Engineer/Project Manager of DIA, Head office UJN/UJS/PMU and Chief Engineer, SWSM in **Annexure-II**. The final payment will be made by the SWSM on production of the bill against the final completion report submitted to SWSM and receipt of submission of final completion report to the concerned division/district unit of UJS/UJN/PMU. The final bill should not be raised for less than 10 final completion reports at a time.

DATA, SERVICES AND FACILITIES TO BE PROVIDED BY THE CLIENT

14. The division/district unit of UJS/UJN/PMU will make available the DPR and measurement of book to the consultant. One officer from the division/district unit of UJS/UJN/PMU shall visit the site along with the Engineering Consultant, facilitate and monitor all process during the field visit, whenever necessary. The filed visit dates will be decided in advance as agreed mutually by the consultant and Executive Engineer/Project Manager of the concerned unit

QUALIFICATION OF CONSULTANTS

15. The consultant should have Bachelor's Degree in Civil Engineering with 3 years experience or Diploma in Civil Engineering with 8 years experience in rural water supply and sanitation sector. Experience of working in Uttarakhand will be treated as additional qualification.

ESTIMATED COST

16. Estimated cost for the preparation of 30 Final Completion Reports is Rs. 5,40,000/- (Rs. Five Lakh Forty Thousand only Inclusive of all expenses and taxes) at the rate of Rs. 18000/- per final completion report of reconstruction and restoration of damaged water supply scheme and sanitation works.