

India: Uttar Pradesh Water Sector Restructuring Project-Phase-II

Credit no. 5298-IN

Ground Water Department, Uttar Pradesh

**DESIGN AND DEVELOPMENT OF MODEL CONJUNCTIVE WATERUSE PLAN (CWP) AND AQUIFER
MANAGEMENT PLAN (AMP) TOWARDS INTEGRATED WATER USE PLANNING IN PARTS OF
FATEHPUR DISTRICT UNDER UPWSRP-PHASE II**

Request for Expression of Interest

No- 152 /GWD/ WBP/Aquifer Mapping -2

Lucknow: Dated: April 19 , 2017

1. This Request for Expression of Interest follows the General Procurement Notice for this Project that appeared in Development Business on 10-02-2014.
2. The Government of India (GoI)/ Government of Uttar Pradesh (GoUP) has received a credit from the International Development Association (IDA) to finance the UP Water Sector Restructuring Project (UPWSRP) Phase 2 and intends to apply part of the proceeds of this credit to payments under the contract for hiring services of consultancy firm for "**Consultancy Services Design and Development of Model Conjunctive Wateruse Plan (CWP) and Aquifer Management Plan (AMP) towards Integrated Water use Planning in Parts of Fatehpur district under UPWSRP II.**" Increasing use of groundwater has led to extreme stress on the groundwater system. Groundwater estimates by State Ground Water Department has identified several blocks in the state as highly stressed where excessive groundwater development needs to be moderated. In such areas it would be most appropriate to understand aquifer system and also to increase the use of surface water through a mix of conjunctive use practices. The current study is an attempt in this direction to formulate a robust aquifer based management plan and to design the most appropriate combination of surface and groundwater development & management schemes that would ensure integrated use of all the available water in appropriate quantities without affecting the local hydrological cycle. A detailed surface water and groundwater study envisaging design & development of aquifer management plan and conjunctive water use plan is proposed in parts of Fatehpur district where the UPWSRP-II project is being implemented. **The duration of the assignment is Thirty months plus two years additional support.**

3. **The Scope of Services**

The main objective of this study is to map the web, groundwater aquifer system and surface water resources & irrigation system to quantify the surface water & ground water resource potential and prepare sustainable aquifer management and conjunctive use plan based on computer modelling approaches towards development of an actionable proposal for implementing integrated water resource management programme for the study area. The scope of services would include:

- **Base line Assessment including Collection and Analysis of Secondary Data/Maps.**
- **Procurement of Digitized Toposheets & Satellite Images.**
- **Construction of Slim boreholes upto 450m.**
- **Long Duration Pumping/ Parameter Tests.**
- **Water quality monitoring.**
- **Reduced level Survey.**
- **Gamma ray Borehole logging on existing tube wells.**
- **Infiltration/ recharge studies.**
- **Develop GIS thematic layers.**
- **Design & Development of Aquifer Management Plan (AMP)**
- **Design & Development of Conjunctive Water use Plan (CWP)**

- **Modelling studies.**
 - **Running the Model and Technical backup for two years.**
4. The Director, Ground Water Department, UP Lucknow, invites eligible Consultants to indicate their interest in providing the Consultancy Services for the above assignment.
 5. The attention of interested Consultants is drawn to paragraph 1.9 of the World Bank's *Guidelines: Selection and Employment of Consultants under IBRD Loans and IDA Credits & Grants by World Bank Borrowers* January, 2011 revised in July, 2014 ("Consultant Guidelines"), setting forth the World Bank's policy on conflict of interest.
 6. The consultant may associate with other firms to enhance their qualification. The "Association" may take the form of a joint venture (with joint and several liability) or of a sub-consultancy, and this should be stated clearly in the submission.
 7. **The criteria for short listing of the consultant shall be as follows:**
 - i. **The eligible consultant shall be a consultancy firm, with over 10 years of experience in the field of Hydrogeological studies, Ground Water planning/ management, preparation of aquifer mapping , conjunctive water use plan and modelling studies of such plans.**
 - ii. **Should have at least three (3) experiences during the last ten (10) years in field as mentioned above in point (i).**
 - iii. **Minimum average financial turnover of INR 300.00 million or equivalent in last five years i.e 2012-13, 2013-14, 2014-15, 2015-16 and 2016-17.**
 - iv. **Availability of core staff related to proposed works and managerial experience to independently manage the study.**
 8. A consultant will be selected in accordance with **Quality & Cost Based Selection (QCBS)** procedures set out in the World Bank's "Guidelines: Selection and Employment of Consultants Under IBRD Loans and IDA Credits & Grants by World Bank Borrowers- January, 2011, revised July, 2014". The Guidelines are available at www.worldbank.org/procure.
 9. Interested Consultants may obtain further information at the address given below from 1100 hrs to 1600 hours (IST) on all working days. This notice for Expression of Interest has also been posted on Ground Water Department website <http://www.gwd.up.nic.in>
 10. Expression of Interest with all relevant information and documents must be submitted and subscribed "**DESIGN AND DEVELOPMENT OF MODEL CONJUNCTIVE WATERUSE PLAN (CWP) AND AQUIFER MANAGEMENT PLAN (AMP) TOWARDS INTEGRATED WATER USE PLANNING IN PARTS OF FATEHPUR DISTRICT UNDER UPWSRP-PHASE II**" on top of a closed envelope and be delivered to the address below by **not later than 24th May, 2017 time 15.00hrs IST**. In the event, this last date being declared as holiday by the State Government, due date for submission of above EoI will be the next working day up till the same appointed time.

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Director
 Ground Water Department, UP