

Government of Bihar, Water Resources Department,
Office of Joint Director, Hydrology Directorate
3th Floor. Block-B, Jal Sansadhan Bhawan, Anisabad, Patna-800002

Request for Expression of Interest
(Consulting Services-Firms Selection)

for
**Consultancy for Surface Water Assessment and Water Balance Studies for Kiul-
Harohar and Mahananda Basin**

E- Procurement

India
National Hydrology Project
Loan No. IBRD Loan 8725-IN

Ref No: BIHAR/WRD/HYDRO/NHP-SW/EOI/01/2019-20
Procurement Plan Ref No: NHP-2019-2020-BRSW-759192

1. This Invitation for Bid follows the General Procurement Notice for this Project that appeared in Development Business on 09/03/2017.
2. The Government of India has received financing from the World Bank toward the cost of the National Hydrology Project, and intends to apply part of the proceeds for the consulting services.
3. Water Resources Department, Govt. of Bihar, which is the implementing agency for Bihar (Surface Water Component), is interested in consultancy for Surface water assessment and water balance studies in two of its river basins under this consultancy. The objective of the study is to assess the surface water, to identify imminent and longer-term water security related challenges and opportunities in the Kiul-Harohar and Mahananda basin in the state of Bihar (i.e from the point where Kiul-Harohar and Mahananda rivers enter the state of Bihar till the point river leaves Bihar and enters the state of West Bengal). **“Consultancy for Surface Water Assessment and Water Balance Studies for Kiul-Harohar and Mahananda Basin”** will also determine the extent to which challenges (upstream development and climate Change) as they hinder water development and explore prospects for sustainable socio-economic and environmental security. The specific objectives include but not limited to:-
 - (i) Review and verify the currently used hydro-meteorological data. Correct, validate and process the required hydro-meteorological data of the basins.
 - (ii) Assess and promote irrigation and other water use potentials in the Kiul-Harohar and Mahananda basins within the territorial area of the state.
 - (iii) Conduct basin modelling for assessment of water availability and balances in the Kiul-Harohar and Mahananda River basins. Determine water balance at the sub-basin level based on the current land use pattern and historical hydro-meteorological data available.

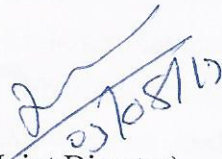
- (iv) Identify areas that are likely to be under water stress and measures to mitigate stress through efficient use and water management. Recommend efficient and economic use of water in the Kiul-Harohar and Mahananda basins and to measure socio-economic and environmental scenarios/impacts for the suggested water use.
- (v) Inflow forecast to determine the optimal time to operate various schemes and manage. Suggest measures for maintaining the sustainability of water availability in the Kiul-Harohar and Mahananda Basins.
- (vi) Decision Support System that would provide support to the decision makers/policy planners in taking informed decisions on issues pertaining to water resource management within the ambit of seasonal planning for wet, dry and normal years;

Broad Terms of Reference (ToR) is attached with this EoI.

- 4. The duration of the assignment is **09 (Nine) months**
- 5. Joint Director, Hydrology Directorate, Water Resources Department, Govt. of Bihar now invites eligible Consultant to indicate their interest in providing **consultancy for Surface Water Assessment and Water Balance Studies for Kiul-Harohar and Mahananda Basin**. Interested Consultants must provide information indicating that they are qualified to perform the services (brochures, description of similar assignments in similar conditions, availability of appropriate skills among staff etc.). Consultants may associate with other firms in the form of a joint venture or a sub-consultancy to enhance their qualifications. Number of partners in a JV shall be limited to two including the lead partner
- 6. The criteria for short listing of the Consulting firms shall be as follows:
 - i. The eligible consultant shall be a consultancy firm, with over 10 years of experience in the field of Water Resource management specifically in the field of water budgeting and hydrological modelling.
 - ii. Should have at least two (2) experiences during the last ten (10) years in field as mentioned above in point (i). At least one Project of similar work costing not less than Indian National Rupee (INR) 10 million (US\$ 0.154million) or equivalent is required. In case of JV the lead consultant must meet 70% of this criteria and each member of the JV must meet 40 % of this criteria.
 - iii. The firms shall be financially sound with an average annual turnover of more than INR 2.0 Crore during the previous five years. In case of joint venture (JV) the minimum turn-over of lead partner should be 70 % whereas a member in Joint Venture other than lead member, minimum turn-over should be 40% of the required turn over for a firm. This should be clearly stated in the submission.
 - iv. Firm's Organization set-up, structure and availability of key professionals with the firm (Team Leader-Water Resources expert, GIS Specialist, Environmental expert, Hydrologist, River Engineering Expert, Database Specialist, System Analyst, Field Engineer etc.) along with qualification and experience i.e. Technical team and expertise available with the organization. The experts having worked in externally assisted projects would be preferred.

7. 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.
8. A consultant will be selected in accordance with the **CQS (Selection Based on Consultant's Qualification)** 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- Jan 2011, modified July 2014*". The Guidelines are available at www.worldbank.org/procure.
9. Interested Consultants may obtain further information at the address given below from 10.00 – 17.00 hours (IST) on all working days. This notice for Expression of Interest has also been posted on websites-<http://fmis.bih.nic.in> and <http://wrd.bih.nic.in>
10. Expression of Interest with all relevant information and documents must be uploaded on <https://eprocure.gov.in> for "**Consultancy for Surface Water Assessment and Water Balance Studies for Kiul-Harohar and Mahananda Basin**" by not later than 14th Sept, 2019 time 15.00hrs Server time. 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. **The Expression of Interests received till the appointed time and date shall be opened same day at 15.30 hrs Server time.** The electronic bidding system will not allow any late submission of the REOIs after due date and time as per server time. Physical, Email, Telex, cable or facsimile submission of REOIs will be rejected as non-responsive.

**Joint Director,
Hydrology Directorate,
3rd Floor, Block-B, Jal Sansadhan Bhawan,
Anisabad, Patna- 800002.
Mob:-+917463889165; 06122252039
Email: -jdhydrologypatna@gmail.com**


(Joint Director)
Hydrology Directorate