

**Flood Management Improvement Support Centre (FMISC),
2nd Flood, Jal Sansadhan Bhawan, Anisabad, Patna-800002,
Water Resources Department, Govt. of Bihar**

Expression of Interest (EOI)

For

Engagement of Individual Consultant (Project Management Advisor)
under


Bihar Water Security and Irrigation Modernization Project (BWSIMP)

Ref No.: PMA/BWSIMP/EOI/06/2024-25

Patna, Dated:31/07/2024

1. The proposed Bihar Water Security and Irrigation Modernization Project (BWSIMP) will cover the state of Bihar, focusing more on districts impacted by flood, water-logging and drought. As the project title suggests, the GoB has embarked upon a new path of water resources management. This is a comprehensive initiative covers efficient irrigation and flood risk management and drought proofing through multi-stakeholder participation in planning and management, after needed institutional strengthening and capacity building exercise. The project will ensure positive economic and environmental outcomes for the state. It would enable completion of the Kosi Canal Project, restore age-old dams and protect river embankments. Additionally, it includes crucial projects of intra-linking of rivers, not only to control of excess water flow from major rivers to mitigate floods but also to provide irrigation source for drought districts. The project would employ new techniques for long-term protection of river embankments. Furthermore, advanced measures will be implemented in vulnerable areas along rivers to safeguard them for long-term erosion.
2. Joint Director, Flood Management Improvement Support Centre (FMISC), Water Resources Department, Govt. of Bihar now invites eligible 'Individual Consultant' to provide advice, support and assistance to Project Management Unit (PMU) and Project Implementation Units (PIU) in carrying out their duties and responsibilities to ensure that BWSIMP activities are planned and properly implemented to achieve BWSIMP project objectives, overseeing project timelines, budget management, resource allocation, risk assessment, stakeholder communication, supervise project teams, facilitate collaboration and resolve any issues that arise during the project lifecycle.
3. The Terms of Reference (ToR) consisting of eligibility criteria, functions and responsibilities for **Project Management Advisor** can be viewed on websites <https:// wrd .bihar.gov.in/> and <https:// fmiscwrdbihar.gov.in/>
4. FMISC, Patna invites interested candidates to submit Curriculum Vitae (CV) from individuals to indicate their interest for the above specialist position. Interested Individuals must submit their CV in **Format-1** that contains information indicating qualification to perform the services as **Project management Advisor**. The CV format can be downloaded from the websites <https:// wrd .bihar.gov.in/> or <https:// fmiscwrdbihar.gov.in/>
5. The individual will be selected in accordance with procedures set out in the World Bank's *Procurement Regulations for IPF Borrowers, Fifth Edition, September 2023.*
6. Interested individual may obtain further information at the address given below from 10:00-17:00 hours (IST) on all working days. This notice has also been posted on websites <https:// wrd .bihar.gov.in/> and <https:// fmiscwrdbihar.gov.in/>
7. The CV along with all relevant documents must be submitted in a closed envelope superscribed "**Expression of Project Management Advisor under BWSIMP**" and be delivered to the address below by **not later than 15:00 hours (IST) on 19-08-2024**. In case this last date being declared as holiday by the State Government, due last date for submission of above CV will be the next working day up till the same appointment time. The Expression of Interests received till the appointed time and date shall be opened same day at 15:30 hours Server time.

Joint Director,
Flood Management Improvement Support Centre (FMISC),
2nd Flood, Jal Sansadhan Bhawan, Anisabad, Patna-800002,
Water Resources Department, Govt. of Bihar,
Tele fax: +(91)612-225699, Telephone: +(91)612-2254802
E-mail: fmiscbihar@gmail.com


31/07/2024
Joint Director
FMISC, WRD, Patna

Draft Terms of Reference (ToR)
for
Project Management Advisor
under
Bihar Water Security and Irrigation Modernization Project (BWSIMP)

Job Title : Project Management Advisor
Location : PMU, BWSIMP, Bihar
Number of Post : 1
Contract term : One year with possibility for extension

I. Background

The proposed Bihar Water Security and Irrigation Modernization Project (BWSIMP) will cover the state of Bihar, focusing more on districts impacted by flood, water-logging and drought. As the project title suggests, the GoB has embarked upon a new path of water resources management. This is a comprehensive initiative covers efficient irrigation and flood risk management and drought proofing through multi-stakeholder participation in planning and management, after needed institutional strengthening and capacity building exercise. The project will ensure positive economic and environmental outcomes for the state. It would enable completion of the Kosi Canal Project, restore age-old dams and protect river embankments. Additionally, it includes crucial projects of intra-linking of rivers, not only to control of excess water flow from major rivers to mitigate floods but also to provide irrigation source for drought districts. The project would employ new techniques for long-term protection of river embankments. Furthermore, advanced measures will be implemented in vulnerable areas along rivers to safeguard them for long-term erosion.

II. Project Development Objective (PDO)

Project Development Objective (PDO) of the proposed Bihar Water Security and Irrigation Modernization Project (BWSIMP) is to **“To improve irrigation service delivery and flood resilience in selected project districts of Bihar”**.

BWSIMP has 4 project components: i) Climate Resilient Irrigation Management (CRIM); ii) Flood and Drought Risk Reduction (FDRR); iii) Stakeholder Partnership and Capacity Building (SPCB) and iv) Project Management (PM).

III. Project Components

- 1. Component 1: Climate Resilient Irrigation Management (CRIM):** This component focuses on adopting a balanced approach between ‘last mile’ and ‘first mile’ service delivery to improve the overall viability of irrigation, especially the canal irrigation. Service delivery encompasses the entire life cycle of investments in the irrigation sector, including planning, design, operation, maintenance, and monitoring. Canal irrigation modernization will develop strategies to deliver appropriate service levels to water users from head to tail, considering their needs and demands. Asset management will include life-cycle costing for accountability and timely service delivery. Activities will include procuring equipment for topographic, bathymetric, and Light Detection and Ranging (LiDAR) surveys, allied software and hardware, establishing Supervisory Control and Data Acquisition (SCADA) systems, promoting conjunctive water use, micro-irrigation, and climate-resilient agriculture, and facilitating Participatory Irrigation Management (PIM) by Water User Associations (WUAs).
- 2. Component 2: Flood and Drought Risk Reduction (FDRR):** This component aims to enhance the efficiency and responsiveness of flood and drought management, crucial for the well-being of people, land, and infrastructures in vulnerable areas. The project will focus on making the State flood and drought resilient, and equipping institutions to minimize loss of life and property during extreme events. Drought-proofing will involve efficient water use, contingency planning, and possible risk transfer mechanisms. Land reclamation for productive use in waterlogged areas, community-based solar pumping systems for micro-irrigation will also be considered in suitable areas. Activities will inter-alia include procuring sensors and allied systems, Real-Time Data Acquisition Systems (RTDAS), blue-green infrastructure solutions, use of Jute Geo Textile

(JGT) for erosion control, bund strengthening, and modernizing flood forecasting systems. The component will draw from the experiences of the Bihar Kosi Basin Development Project (BKBDP).

3. **Component 3: Stakeholder Partnership and Capacity Building (SPCB):** This component reflects bold action and a significant shift from “business as usual,” requiring strong, coordinated institutions, a sound knowledge base, and integrated, long-term planning. The project will develop strong functional linkages between state government departments working in the water sector and create a platform for all water sector stakeholders, from the community to the national government, to plan and implement Joint Action Plans (JAPs). The project will focus on training and capacity building of water users, operators, line departments, and other stakeholders. Activities will include: strengthening of WRD wings, upgrading/procuring software/hardware and allied infrastructure, modernizing training infrastructure, developing training modules, conducting thematic trainings/workshops, hiring consultancy services for specialist areas, and implementing inter-departmental JAPs.
4. **Component 4: Project Management (PM):** This component will ensure effective implementation and monitoring of project activities. Establishing a Project Management Unit (PMU) will be supported under the project, to oversee/coordinate project activities, monitor operations, finance consultancies, procure equipment, and handle operating costs. A comprehensive Management Information System (MIS) will be developed for data collection and reporting on key performance outputs and impact indicators, based on benchmarking surveys, participatory assessments, reviews and evaluations.

IV. Purpose of the Job:

To work within the Project Director’s Office and provided assistance in implementation, reporting and documentation of BWSIMP.

V. Person Specification and Remuneration:

Name of Post	Consolidated remuneration per month	Qualification/Experience	Engagement Type
Project Management Advisor	<ol style="list-style-type: none"> 1. For serving employee: 1 level higher than existing level. 2. For retired employee: Last pay minus pension with admissible DA. (Before commutation). 	<ul style="list-style-type: none"> ➤ Senior Level Officer (Serving/Retired) not below the rank of Chief Engineer (Level-1) from the State Services with experience in Externally Aided Projects (EAP). ➤ Age limit-Not more than 62 years of age as on last date of submission of application for this post. ➤ Experience- At least 20 (Twenty) years of related experience in project supervision & management, policy framework, public finance, procurement & contract management. Out of which, 10 years’ experience in Externally Aided Project (EAP) of State or Central Government is mandatory. ➤ At least 10 (Ten) years of working experience in management policies and guidelines for externally aided engineering project. ➤ Can demonstrate IT skills including experience of MS Office. ➤ Proficiency in English and Hindi and able to write reports in both languages. 	Contractual

VI. Scope of Work:

The main tasks will include but not limited to the following:

- a) To assist the Project Director in directing the work of the Project, in accordance with agreed strategic

- priorities and plans, to ensure delivery of projects in line with the project objectives.
- b) Develop regular plans with PIUs for the project activities.
 - c) Oversee day-to-day operations and designated management responsibilities of the Project with a specific view for ensuring priorities are understood and responsibilities and resources are adequately planned.
 - d) Responsible for the day-to-day coordination of activities with Project Implementation Units (PIUs) and District Magistrate Offices/District Units/ Field Units.
 - e) Act as focal point to monitor progress, identify bottle necks and report to the Project Director to take corrective actions for smooth implementation of the project activities.
 - f) Ensure preparation of periodic (monthly, quarterly, and annual) reports and document good practices and lessons learnt for dissemination within the PIU for the WB etc.
 - g) Ensure documentation of project progress and inform Project Director on a regular basis.
 - h) Any other relevant work as assigned by the Project Director.

VII. Criteria for shortlisting of the individual consultant

Sl. No.	Mandatory Criteria	Supporting Compliance document
1	Identity card of Individual Consultant	Aadhaar Card/ PAN Card/ Voter ID/ DL

Sl. No.	Evaluation Criteria		Supporting Compliance document								
1.	Qualification	<table border="1"> <thead> <tr> <th>Qualification</th> <th>(25 Marks)</th> </tr> </thead> <tbody> <tr> <td>B. Tech in Civil Engineering from any recognised university.</td> <td>20</td> </tr> <tr> <td>M. Tech on the topic related to Civil Engineering</td> <td>+5</td> </tr> </tbody> </table>	Qualification	(25 Marks)	B. Tech in Civil Engineering from any recognised university.	20	M. Tech on the topic related to Civil Engineering	+5	Certificate of B. Tech or M. Tech or both.		
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M. Tech on the topic related to Civil Engineering	+5										
2.	Experience	<table border="1"> <thead> <tr> <th>Year of working experience in State Government/ Public Sector Organizations/Externally aided Project (EAP)/ Multilateral Organizations/ International Organizations/International NGOs/ Reputed Corporate Organizations</th> <th>(25 Marks)</th> </tr> </thead> <tbody> <tr> <td>Less than 20</td> <td>Disqualified</td> </tr> <tr> <td>20</td> <td>20</td> </tr> <tr> <td colspan="2">Additional 5 marks will be allocated proportionately to the individual consultant having experience greater than 20 years</td> </tr> </tbody> </table>	Year of working experience in State Government/ Public Sector Organizations/Externally aided Project (EAP)/ Multilateral Organizations/ International Organizations/International NGOs/ Reputed Corporate Organizations	(25 Marks)	Less than 20	Disqualified	20	20	Additional 5 marks will be allocated proportionately to the individual consultant having experience greater than 20 years		Copy of experience certificate issued by concerned organization / department or appointment letter and last salary slip. For retired person, pension payment order issued by A.G should be attached.
		Year of working experience in State Government/ Public Sector Organizations/Externally aided Project (EAP)/ Multilateral Organizations/ International Organizations/International NGOs/ Reputed Corporate Organizations	(25 Marks)								
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		20	20								
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3.	Experience in externally aided engineering projects	<table border="1"> <thead> <tr> <th>Year of working experience in management policies and guidelines for externally aided engineering project</th> <th>(25 Marks)</th> </tr> </thead> <tbody> <tr> <td>Less than 10</td> <td>Disqualified</td> </tr> <tr> <td>10</td> <td>20</td> </tr> <tr> <td colspan="2">Additional 5 marks will be allocated proportionately to the individual consultant having working experience in management policies and guidelines for externally aided engineering project greater than 20 years</td> </tr> </tbody> </table>	Year of working experience in management policies and guidelines for externally aided engineering project	(25 Marks)	Less than 10	Disqualified	10	20	Additional 5 marks will be allocated proportionately to the individual consultant having working experience in management policies and guidelines for externally aided engineering project greater than 20 years		Copy of Letter of appointment or deputation to externally aided project and supporting documents clearly indicating the period of posting in externally aided project.
		Year of working experience in management policies and guidelines for externally aided engineering project	(25 Marks)								
		Less than 10	Disqualified								
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Note: Interview of 25 Marks will be conducted for the candidates shortlisted on the basis of above mandatory and evaluation criteria. Final selection of the individual consultant shall be made on the basis of aggregate marks of evaluation criteria and interview.

Format-1
CURRICULUM VITAE (CV) FORMAT

(Individual Consultant for Project Management Advisor for Bihar Water Security and Irrigation Modernization Project)

Name of applicant: _____

Profession: _____

Date of Birth: _____

Nationality: _____

Membership in Professional Societies: _____

Contact Details:

Current Residential Address of applicant: _____

E-mail of applicant: _____

Mobile No.: _____

Key Qualification:

[Give an outline of experience and training most pertinent to tasks on assignment. Describe degree of responsibility held on relevant previous assignments and give dates and locations. Use about half a page.]

Education:

[Summarize college/university and other specialized education of staff member, giving names of schools, dates attended and degrees obtained. Use about one quarter of a page.]

Employment Record:

[Starting with present position, list in reverse order every employment held. List all positions held by staff member since graduation, giving dates, names of employing organizations, titles of positions held and locations of assignments. For experience in last ten years, also give types of activities performed and client references, where appropriate. Use about two pages.]

Languages:

[For each language indicate proficiency: excellent, good, fair or poor; in speaking, reading and writing.]

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications and my experience.

[Signature of applicant]

Full name of applicant: _____

Date: _____