

No. IWAI/WB/NW-1/2/3/2017
PROJECT MANAGEMENT UNIT
JAL MARG VIKAS PROJECT
INLAND WATERWAYS AUTHORITY OF INDIA
(Ministry of Ports, Shipping and Waterways, Govt. of India)
Head Office: A-13, Sector-1, Noida-201 301
Phone: 0120-2424536, 0120-2424540

Dated: 30.08.2024

Subject: Filling up of various positions in PMU/ PIUs, JMVP on contractual basis

Jal Marg Vikas Project (JMVP) for capacity augmentation of navigation on National Waterway-1 is being implemented by Inland Waterways Authority of India (IWAI), Noida with the technical assistance and investment support from the World Bank. The Project period is up to December, 2025.

2. A Project Management Unit (PMU) at Noida and Project Implementation Units (PIUs) at different locations have been set up to assist IWAI in execution of the Jal Marg Vikas Project. The following professionals are required for the Project Management Unit at Noida and Project Implementation Units at Varanasi and Patna as per details given below, on short-term contractual basis initially for a period of one year which may be further extendable as per requirement:

S.No.	Name of Position	No. of Position	Location
1.	Senior Consultant (Procurement)	01	PMU, JMVP, Noida
2.	Senior Consultant (Naval Architect)	01	PMU, JMVP, Noida
3.	Consultant (Dredging Expert)	01	PMU, JMVP, Noida
4.	Consultant (Fairway Management & Monitoring)	01	PMU, JMVP, Noida
5.	Specialist (Finance)	01	PMU, JMVP, Noida
6.	Social Officer	01	PIU/JMVP, Varanasi
7.	Civil Engineer	01	PIU/JMVP, Patna
8.	Environment Officer	01	PIU/JMVP, Patna

3. Terms of Reference (TORs) for the above positions are attached. The selected professionals will be engaged on purely short-term contractual basis for the delivery of services at PMU/PIUs. The professionals will be required to work on full-time basis and will not be permitted to take up any other assignment during the consultancy period with the PMU/ PIUs.

4. The selected professionals will be paid a consolidated monthly remuneration as mentioned in the respective TORs. The applicable taxes shall be deducted from the payable consolidated remuneration. Selection will be made based on academic qualifications, merit & experience and working knowledge in the relevant field, preferably on World Bank Projects.

5. The curriculum vitae containing information with reference to each item of TOR, along with credentials in relation to the prescribed qualifications and experience, should be addressed to the Project Director (JMVP) and must reach in a sealed envelope at the above-mentioned address by post or by hand on or before 20.09.2024.

6. The Project Director, JMVP reserves the right to accept or reject any or all applications and to cancel the applications under process at his discretion and his decision shall be final and binding.

Project Director
Jal Marg Vikas Project,
IWAI, Noida

Terms of reference for the position of Senior Consultant (Procurement)

Position	Senior Consultant (Procurement)
No. position	01 at Noida
Consolidated Remuneration	Rs. 1,25,000/- plus Rs.3,600/- T.A. per month
Educational Qualifications	Engineering Graduate preferably with MBA/Degree in Economics
Experience	<p>At least five years' experience in engineering works of infrastructure projects (preferably waterway, irrigation, barrage ports or at least similar linear projects). Knowledge/understanding of national/international markets for Procurement. Experience in procurement for large projects in transportation, waterways with World Bank Funding. Familiarity with the working of State Governments, Central Government and the World Bank. Ability to understand technical drawings and sketches. Proficiency in use of Computers. Good communication skills (in English and local language).</p>
Duties and responsibilities	<ul style="list-style-type: none"> • Preparation of ToR and Bidding documents for Hiring of consultants for EIA, SIA and EMP Study. • Preparation of ToR and Bidding documents for Hiring of consultants for preparation of Detailed Project Report (DPR), including Market Study and Business Development Strategy. • Assist in hiring of consultants and implementation agencies. • Co-ordination during site assessment etc. • Provide evaluation, oversight and co-ordination during preparation of DPRs by the Consultant. • Compilation of data, report preparation and coordination with monitoring agencies • General training of IWAI Officials and the contractors on Procurement Processes and practices-class-room and on-site (including preparation of training material). • Preparation of checklists/guidelines for sustainability of 'practices'/long term usage by IWAI. • Supervision and monitoring for ensuring compliance of prescribed procurement processes. • Monitoring and documentation • Coordination with other Departments and Agencies. • Preparation of status/monthly /quarterly reports for the IWAI and the World Bank on procurement aspects; Preparation of compliance/completion reports of each phase; • Review of reports submitted by the contractors and/or supervision consultants • Any other duties as may be assigned.
Period of Engagement	Initially for a period of one year and further extendable as per requirement.

Terms of reference for the position of Senior Consultant (Naval Architect)

Position	Senior Consultant (Naval Architect)
No. position	01 at Noida
Consolidated Remuneration	Rs. 1,25,000/- plus Rs.3,600/- T.A. per month
Educational Qualifications	B. Tech (Mechanical/ Naval Architecture) from recognized and reputed institutes like IITs and NITs, etc.
Desirable Qualification	M. Tech.in Naval Architecture/ Naval Construction from reputed Institutes.
Experience	<p>At least 15 years' experience in Ship Design, Ship Building in a Major shipyard, Building of Ships, Ship repairs and/or FRP boats; Development of technical specifications for vessels; Contract Management; Project Management; Financial and contract negotiation and Technical Management of Vessels.</p> <p>Candidates having exposure to Design and construction of Inland Vessels (Cargo, Passenger, Ro-Ro, Ro-Ro Pax etc.) or Service Vessels required for inland water sector such as Cutter Suction Dredgers, Other type of Dredger, Survey Launches, Workboats, Tugs etc. Operation and Management of vessels; Risk management and Budgeting and cost management will be preferred.</p>
Duties and responsibilities	<ul style="list-style-type: none"> • Prepare technical specifications of Tugs, Barges, Dredgers, Vessels and other items, which are to be acquired by the JMVP. • Assist to identify/short list the vendor for purchase of aforesaid items. • Suggest the ways and means to procure the best items at competitive rates. • Assist to negotiate and finalise the contracts of purchase, contract management and release of payment strictly in accordance with the rules and agreement. • Monitor the construction of Tugs, Barges, Dredgers and Vessels etc. so as to ensure that the items being procured are of proper quality and the prescribed specifications. • Act as a focal person for all dialogues and IWAI initiatives on vessel financing. • Any other work assigned by the senior officers.
Period of Engagement	Initially for a period of one year and further extendable as per requirement.

Terms of reference for the position of Consultant (Dredging Expert)

Position	Consultant (Dredging Expert)
No. of position	01 at Noida
Consolidated Remuneration	Rs. 1,00,000/- plus Rs.3,600/- T.A. per month
Educational Qualifications	<p>Essential: Engineering Graduate in (Mechanical /Civil Engineering) from recognized university or Institute.</p> <p>Desirable: Degree/diploma/certificate courses in dredging and harbour engineering or any relevant courses.</p>
Experience	Minimum 05 to 07 years of experience in major river dredging projects and having thorough knowledge of dredging operations, hydrographic survey, quantity survey, type of soil, dredgers, contract management and project management etc.
Duties and responsibilities	<ul style="list-style-type: none"> • Supervise and monitor all the Dredging activities as per the approved plans & programs of the Dredging Contract, to ensure execution in accordance with the terms, conditions, drawings, and specifications of the Dredging Contract. • Supervise the execution of all dredging related activities included in the Dredging Contract in a time bound manner as specified and by considering the prevailing climatic conditions and site conditions. • Ensure that all the works carried out under the dredging program fully comply with established codes & and contract documents. • Review / comment the dredging methodology proposed by the Dredging Contractor for execution of works. • Inspect at regular intervals the Dredging contractor's plant and facilities, including the workers' accommodation at site, to ensure conformity with the construction contract. • Verify physically the measurements to be taken jointly with the dredging contractor for payment and maintain measurement records in standard format. • Supervise, check, and ensure that dredged spoil is being dumped / disposed as per norms & regulation and in line with the dredging contract provisions. • Supervise, check, and ensure that no structural members shall be damaged by the contractor during execution. • Maintain daily Activity Records in respect of the Dredging Contract from beginning till completion of all works and furnish a copy of the same to the EIC at the end of each month • Examine all reports, bills submitted by Dredging Contractor and advice on required actions. • Any other work assigned by the senior officers.
Period of engagement	Initially for a period of one year and further extendable as per requirement.

Terms of Reference for the position of Consultant (Fairway Management & Monitoring)

Position	Consultant (Fairway Management & Monitoring)
No. of position	01 at Noida
Consolidated Remuneration	Rs. 1,00,000 /- plus Rs. 3600 /- TA. Per Month
Educational Qualifications	<p>Essential Qualification: Degree in Civil Engineering / Hydrography or Cat "B" Hydrographer / Associate Member of Institution of Surveyors in Sub division I(B)</p> <p>Desirable Qualification: Post graduate degree or diploma in Hydrography / Geography / Pollution Management or relevant Hydrographic Survey courses etc.</p>
Experience	<ul style="list-style-type: none"> • Minimum experience of 5 to 7 years in the IWT field related to civil works, fairway development, maintenance and hydrographic surveys, planning, execution and monitoring of IWT dredging's activities etc. • Knowledge of govt. sector working procedure and reporting's, develop MIS, data analytics & management, capable provide ATN's, parliamentary replies, VVIP references, RTI replies, reporting and compliances of ministry, PMO, VIPs, States, Departments and World Bank etc. • Should having exposure of hydrographic investigation, survey measurements, bathymetric and topographic, thalweg surveys, monitoring of Sholes and preparing dredging plans etc. • Efficient in inspection planning, execution and monitoring of Inland waterways fairway development and maintenance activities i.e. channel marking, bandalling, navigation aide system, river training and conservancy works etc. • Well-versed with procurement and contract management related to navigation aide system and dredging/fairway development activities • Deal with technical studies to ensure compliances and monitoring of EIA & EMP for dredging works. • Knowledge of hydrographic survey software's and waterways map, proficiency in using the GIS Software working knowledge, Spatial data formats and related metadata issue • Working knowledge of Multibeam Echosounder / Single beam Echosounder / DGPS / ADCP / Side Scan Sonar and post-processing of Multibeam data • Working knowledge of AutoCAD, Global Mapper • Working knowledge of web mapping applications such as Caris HIPS/ SIPS / Caris GIS / ArcGIS etc. • Exposure of Drone and Lidar survey technology for survey.

<p>Duties and responsibilities</p>	<ul style="list-style-type: none"> • MIS & data management, perform data analysis and ensuring compliances for efficient fairway development and maintenance projects of JMVP I & II • Provide inputs for preparations of ATNs, reply for Parliamentary matters, VVIP references, RTI matters and timely compliances of ministry, states, departments and the World Bank etc. • Monitor dredging projects, prepare reports, and maintain data framework and dashboards to providing updated information's. • Assist in contract management for dredging projects, perform analysis of Hydrography Surveys data and reports etc. • Processing and checking pre and post dredging data. • Quality assurance / quality control of hydrography survey data and charts • Quality assurance / quality control of Multi-beam Echo sounder survey data • Checking of bank to bank detailed hydrographic & Topography survey digital data, charts, detailed field reports and results of Hydrography Surveys data. • Analysis of Water level and Discharge data. • Sediment Analysis. • Digitalization of data pertaining to rivers/canals. • Creation of S-57 database and ENC. • Preparation of various scheme and estimates related to hydrographic survey works. • Preparation of ToR, finalization of bid document and Evaluation of bids. • Any other work assigned by the Senior Officers.
<p>Period of Engagement</p>	<p>Initially for a period of one year and further extendable as per the requirement.</p>

Terms of Reference for the position of Specialist (Finance)

Position	Specialist (Finance)
No. of Position	01 at Noida
Consolidated Remuneration	Rs. 70,000 /- Plus TA Rs. 3,600 /- Per Month
Educational Qualifications	Chartered Accountant/Cost Accountant or Graduate/ Post Graduate in Commerce/Economics/Statistics/Accounts/Management/MBA from recognized University or Institute.
Experience:	Minimum 3 years (Post qualification) in any Government organization or reputed large company, Knowledge of Financial and Accounting procedures, Familiarity with the working of State Govt., Central Govt. and the World Bank, Proficiency in use of Computers and Tally Accounting software, Good Communication Skills (in English and local language). (At least 2 years mandatory working experience in World Bank Projects)
Duties and responsibilities	<p>This assignment will involve frequent travel to project corridors, Project Implementation Units (PIUs). The Specialist would be responsible for, but not limited to, the following activities and would report to the Project Director and Project Manager/Project Finance Officer on daily basis.</p> <ul style="list-style-type: none">• Preparation of finance and accounting manuals for PMU• Scrutiny of financial proposals• Preparation and compilation of Accounts, balance sheets and other statutory documents• Assist in audit by CAG, CAAA, or/and any other statutory body• Preparation of audit replies and ensure compliance• Preparation of day-to-day vouchers, checking of bills, payments etc.• Maintenance of accounts, payment registers, cash book, bank book, bank operations, finance• Management statements• All tax related matters• Preparation of status/monthly/quarterly reports for the IWAI and World Bank on Finance and Accounts• Review of Reports submitted by the Contractors and/or Supervision of Consultants• Preparation of statements of expenditure and IUFRR as per C & A/c and World Bank guidelines• Preparation of compliance report of internal audit & CAG Audit• Any other duties as may be assigned by the Competent Authority from time to time.
Period of Engagement	Initially for period of one year and further extendable as per requirement

Terms of Reference for the position of Social Officer

Position	Social Officer
No of Positions	01 at PIU- Varanasi
Consolidated Remuneration	Rs. 50,000 /- Per Month
Educational Qualifications	<ul style="list-style-type: none"> • Graduate/ Post Graduate Degree preferably in Social Work/Sociology/ Anthropology/Urban and Regional Planning.
Experience	<ul style="list-style-type: none"> • 3- 5 years in the areas of land acquisition process, involuntary resettlement, consultation and participation, socio-economic surveys, monitoring and evolution, etc. • Knowledge/understanding of typical sociological impacts of large infrastructure projects; associated mitigation measures; and community consultation. • Experience of working as social/resettlement expert for major civil engineering projects. • Familiarity with the working of State Govt., Central Govt. and the World Bank. • Proficiency in use of Computers to manage data base and generation of reports. • Good Communication Skills (in English and local language).
Age	Not exceeding 50 years on closing date of receipt of application. (However, for deserving candidate's relaxation may be considered depending on Health and Work Experience)
Duties and responsibilities	<p>setups, State Governments and its Departments, consultancy services and other individuals, who are involved in the implementation of the Project and have impact on the Project directly or indirectly.</p> <ul style="list-style-type: none"> • Ensuring and reviewing the performance of the Consultants implementing the RAP in disbursing compensation, assistances and other allowances to Project Affected Families as per the entitlement framework. • Preparation of micro plans, preparation/distribution of Identity Cards, Verification of PAFs. • Assist in relocation of PAFs, ensuring smooth transition and resolving any issues that may come up during the allocation of houses • Preparation of monthly reports, updating information pertaining to land acquisition, reports of public consultations and redressal of grievances. • Conducting and convening public consultations with PAFs whenever required. Additionally, coordinate events or visits of the World Bank/PMU. • Disseminate information about the grievance redressal mechanism to PAFs and provide inputs to the PIU/PMU to redress grievances, RTI etc. Publish other relevant documents such as entitlement framework. Directly liaise with PAFs in case of conflict. • Oversee the implementation of Gender Action Plan and

	<p>HIV/AIDS prevention programme, assist in ensuring compliance with applicable labour laws and provision of temporary housing and day care facilities.</p> <ul style="list-style-type: none"> • Identify relevant skill development programs and hold counselling sessions and consultations, as and when required. • Coordinate with Contractor and assist other members of the PIU in management of day-to-day affairs of the PIU. • Provide guidance and support during the process of land acquisition, voluntary land donation and transfer of public land, if any. • Coordination with relevant agencies and prepare periodic (monthly, quarterly and annual) reports and document good practices and lessons learnt for dissemination within the PMU/PIU. Provide support to the communication team as and when necessary. • Any other duties as may be assigned by the competent authority from time to time.
<p>Period of Engagement</p>	<p>Initially for a period of one year and further extendable as per requirement.</p>

Terms of Reference for the position of Civil Engineer

Position	Civil Engineer
No of Positions	01 at PIU- Patna
Consolidated Remuneration	Rs. 50,000 /- Per Month
Educational Qualifications	<ul style="list-style-type: none"> • Graduate in Civil Engineering preferably Post Graduate with specialization in structures/ hydraulics from any recognized university/institution, or AMIE from Institution of Engineers (India).
Experience	<ul style="list-style-type: none"> • 3-5 years' experience in construction/ designing/ planning/ supervision of Infrastructure Projects (preferably multimodal logistics parks, waterway, or similar projects). • Experience in designing, planning for large projects of waterways development, cross river structure • Conversant with the latest engineering practices and codes. • Ability to understand technical drawings, sketches, specifications and method statements etc. • Familiarity with the working of Central/ State Govt. and the World Bank. • Proficiency in use of Computer and related software. • Good Communication Skills (in English and Hindi).
Age	Not exceeding 50 years on closing date of receipt of application. (However, for deserving candidate's relaxation may be considered depending on Health and Work Experience)
Duties and responsibilities	<p>The assignment will involve frequent travel to Project Corridors. The Specialist will assist Project Co-Ordinator Arth Ganga. The Specialist would be responsible for, but not limited to the following activities:</p> <ul style="list-style-type: none"> • Reviewing feasibility studies / DPR's and other technical documents. • Advising on viability assessment, economic analysis, inputs in determining optimal technical configurations of projects. • Provide technical inputs in preparation of Terms of Reference (ToR) and Bid documents for hiring of consultants and contractors. • Support in finalization of project structuring. • Check the feasibility and adequacy of Civil Engineering Designs suggest by the consultants, contractors and propose latest engineering practices. • Co-ordination during site assessment. • Provide evaluation, oversight and co-ordination during preparation of DPRs by the consultants. • Supervision and monitoring for ensuring compliance of prescribed civil engineering practices during execution of the project. • Preparation of reports on civil works; preparation of compliance/completion reports; and review of reports submitted by the contractors.

	<ul style="list-style-type: none">• Co-ordination with other departments and agencies and World Bank.• Monitoring and documentation of the project related activities.• Any other duties as may be assigned by the competent authority from time to time.
Period of Engagement	Initially for a period of one year and further extendable as per requirement.

Terms of Reference for the position of Environment Officer

Position	Environment Officer
No of Positions	01 at PIU - Patna
Consolidated Remuneration	Rs. 50,000 /- Per Month
Educational Qualifications	<ul style="list-style-type: none"> • Graduate/ Post Graduate Degree preferable in Environment Planning/Engineering/Sciences.
Experience	<ul style="list-style-type: none"> • 3-5 years in Environmental Impact Assessment of Infrastructure Projects (preferably waterway, highway, barrage or at least similar linear projects). • Knowledge/understanding of typical environmental impacts; associated mitigation measures and community consultation. • Experience of working as social/resettlement expert for major civil engineering projects is preferred. • Familiarity with the working of State Govt., Central Govt. and the World Bank. • Ability to understand and comprehend technical drawings and sketches. • Proficiency in use of Computers. <p>Good Communication Skills (in English and local language).</p>
Age	Not exceeding 50 years on closing date of receipt of application. (However, for deserving candidate's relaxation may be considered depending on Health and Work Experience)
Duties and responsibilities	<ul style="list-style-type: none"> • This assignment will involve frequent travel to project corridors, affected villages, block and district headquarters. The Specialist will assist Project Coordinator, Arth Ganga. He would be responsible for, but not limited to, the following activities: • Preparation of EIA, EMP, ToR, bidding documents for hiring of Consultant for EIA, EMP study. • Assist in co-ordination during site assessment etc. • Provide oversight and co-ordination during preparation of Environmental Screening, EIA, EMP Reports including various Reporting Formats, Checklists and Guidelines • Ensure integration of EIA/EMP findings in engineering design and bidding documents • Assist in assessment of fauna including fish and benthic diversity and flora and impact of movement on fisheries, aquatic life and river ecology through the consultant • Compilation of Pollution Monitoring Data, report preparation and co- ordination with monitoring agencies, • Prepare plan for trust building exercise between the Community and IWAI • Prepare guidelines for community consultations; reports on consultations; plans for further action and guide during implementation of Resettlement Action Plan (RAP)

	<ul style="list-style-type: none">• Assist and guide IWAI for information dissemination and proper disclosure of related documents.• Preparation (as needed with regard to project scope) of applications and follow-up on Environmental Clearances; SPCB NOC; Forestry Clearances; Tree Cutting Permissions; NOC for construction activities on river, near ASI monuments etc.• Any other duties as may be assigned by the competent authority from time to time.
Period of Engagement	<ul style="list-style-type: none">• Initially for a period of one year and further extendable as per requirement.