

EXPRESSION OF INTEREST (EOI)



Title of Consulting Service:

**Development of National Guideline and
Framework for “Determination of River
Right-of-Way (RoW) for Rivers in Nepal”**

Method of Consulting Service: National

Project Name :

**Development of National Guideline and Framework for
“Determination of River Right-of-Way (RoW) for Rivers in
Nepal**

EOI : WECS/EOI/WR-01/2083/84

Office Name: Water and Energy Commission Secretariat

Office Address: Pulchowk, Lalitpur

Funding agency: Government Budget

Abbreviations

CV	Curriculum Vitae
EA	Executive Agency
EOI	Expression of Interest
GoN	Government of Nepal
PAN	Permanent Account Number
PPA	Public Procurement Act
PPR	Public Procurement Regulation
ToR	Terms of Reference
VAT	Value Added Tax
WECS	Water and Energy Commission Secretariat



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A. Request for Expression of Interest

Request for Expression of Interest

Government of Nepal (GoN)



Name of Employer: Water and Energy Commission Secretariat

Date: 30 September 2026

Name of Project: Development of National Guideline and Framework for "Determination of River Right-of-Way (RoW) for Rivers in Nepal"

1. Government of Nepal (GoN) has allocated fund toward the cost of Development of National Guideline and Framework for "Determination of River Right-of-Way (RoW) for Rivers in Nepal" and intend to apply portion of this fund to eligible payments under the Contract for which this Expression of Interest is invited for National consulting service
2. The Water and Energy Commission Secretariat now invites Expression of Interest (EOI) from eligible consulting firms ("consultant") to provide the following consulting services:

The Government of Nepal is seeking to engage a qualified consulting firm to support the Development of National Guideline and Framework for "Determination of River Right-of-Way (RoW) for Rivers in Nepal", aligned with a structured **river classification framework**. This work will serve as a foundation for improved water governance, jurisdictional clarity, and sustainable river basin management. The scope of the assignment includes a **literature and legal review** of relevant acts and policies, development of a detailed work approach and methodology, develop national framework for determining **river Right of Way (ROW)**, Establish criteria and technical parameters to determine ROW and preparation of a comprehensive national right of way framework and guideline applicable across all river basins of Nepal accordingly. The consultant will also be responsible for **preparing GIS-based right of way** details at all locations of every river, and compatible with national systems.

3. Interested eligible consultants may obtain further information and EOI document free of cost at the address Water and Energy Commission Secretariat, Water and Energy Commission Secretariat
Pulchowk, Lalitpur
Bagmati Province
Nepal during office hours or visit the client's website www.weecs.gov.np
4. Consultants may associate with other consultants to enhance their qualifications.
5. Expressions of interest shall be delivered manually to the address
Water and Energy Commission Secretariat
Pulchowk, Lalitpur
Bagmati Province
Nepal during office hours on or before 13-10-2026 12:00

The opening of EOI shall take place at Meeting hall of Water and Energy Commission Secretariat, Pulchowk, Lalitpur Bagmati Province, Nepal on 13-10-2026 14:00 hours

6. In case the last date of obtaining and submission of the EOI documents happens to be a holiday, the next working day will be deemed as the due date but the time will be the same as stipulated.
7. EOI will be assessed based on Qualification 40.0 %, Experience 50.0 %, and Capacity 10.0 % of consulting firm and key personnel. Based on evaluation of EOI, only shortlisted firms will be invited to submit technical and financial proposal through a request for proposal.
8. Minimum score to pass the EOI is 60.

B. Instructions for Submission of Expression of Interest

Instructions for Submission of Expression of Interest

1. Expression of Interest may be submitted by a sole firm or a joint venture of consulting firms and the maximum number of partners in JV shall be limited to three.
2. Interested consultants must provide information indicating that they are qualified to perform the services (descriptions, organization and employee and of the firm or company, description of assignments of similar nature completed in the last 7 years and their location, experience in similar conditions, general qualifications and the key personnel to be involved in the proposed assignment).
3. This expression of interest is open to all eligible consulting firm.
4. In case, the applicant is individual consultant, details of similar assignment experience, their location in the previous 4 years and audited balance sheet and bio data shall be considered for evaluation.
5. The assignment has been scheduled for a period of 8 months. Expected date of commencement of the assignment is 01 February 2027.
6. A Consultant will be selected in accordance with the QCBS method.
7. Expression of Interest should contain following information:
 - (i) A covering letter addressed to the representative of the client on the official letter head of company duly signed by authorized signatory.
 - (ii) Applicants shall provide the following information in the respective formats given in the EOI document:
 - EOI Form: Letter of Application (Form 1)
 - EOI Form: Applicant's Information (Form 2)
 - EOI Form: Work Experience Details (Form 3(A), 3(B) & 3(C))
 - EOI Form: Capacity Details (Form 4)
 - EOI Form: Key Experts List (form 5).
8. Applicants may submit additional information with their application but shortlisting will be based on the evaluation of information requested and included in the formats provided in the EOI document.
9. The Expression of Interest (EOI) document must be duly completed and submitted by electronically only using the forms and instructions provided by the system.
10. The completed EOI document must be submitted on or before the date and address mentioned in the "Request for Expression of Interest". In case the submission falls on public holiday the submission can be made on the next working day. Any EOI Document received after the closing time for submission of proposals shall not be considered for evaluation.



C. Objective of Consultancy Services or Brief TOR

Terms of Reference for Development of National Guideline and Framework for “Determination of River Right-of-Way (RoW) for Rivers in Nepal”

Terms of Reference

1. Background

Nepal is endowed with a dense network of rivers originating from the Himalayas and hills, which play a vital role in irrigation, hydropower, drinking water, ecosystems, and cultural values. Also, Nepal's river systems are increasingly exposed to encroachment, urbanization, infrastructure development, floodplain occupation, bed material extraction, and climate-induced hydrological changes. Effective river management requires a clear understanding of the spatial extent needed to preserve the natural functions, ecological integrity and safety of river corridors. Establishing a scientifically sound and nationally consistent River Right-of-way (ROW) framework is therefore essential to guide sustainable development, minimize conflict over land use and enhance resilience to river-related hazards. The absence of a nationally accepted methodology for delineating River Right-of-Way (RoW) has created inconsistencies in river management, land-use planning, disaster risk reduction, and environmental conservation.

With the implementation of federalism under the Constitution of Nepal 2015, the management and governance of water resources, including rivers have been devolved among the three tiers of governments. Recently, Water and Energy Commission Secretariat (WECS) has prepared the river basin plans of Nepal. The new Water Resources Bill is in the process of approval. The evolving governance calls for clear technical guidelines to ensure uniform implementation of river management responsibilities by federal, provincial and local governments. A standardized river right-of-way methodology would provide a common basis for planning, regulation and enforcement across jurisdictions.

The Government of Nepal has recognized the importance of river corridors through various policies, including the National Policy for River and Water-Induced Disaster Management. The recurring flood events, impacts of climate changes, damages to properties and loss of lives in river systems, has highlighted the limits of conventional river management system and therefore demands for shift towards river management approaches that provides greater space for river to safely convey flood flows. Therefore, a framework is necessary for improving the safety against flooding of river system and contributing to the improvement of the spatial quality of river banks.

Despite the legal and institutional recognition of water-related responsibilities among the three levels of government, there remains a lack of a comprehensive scientific, policy, and institutional framework for determining Right of Way of the rivers. Determining the right of way of the rivers is crucial for river management especially for planning, regulation, investment, conservation, and conflict resolution.

In this context, WECS therefore intends to “prepare a National framework for

determining River Right of Way of river system in Nepal" through consulting services utilizing the fund from Government of Nepal to support sustainable river management as per spirit of the draft Water Resources Bill and river basin plans.

2. Objectives of the study

To prepare national framework, methodology, standards, and implementation guidelines for determining and managing River Right-of-Way in Nepal for effective governance and sustainable management of the rivers in Nepal.

3. Scope of Work

The Scope of Work of the proposed work includes, but does not limit to, the followings:

Task 1: Conduct a comprehensive review of existing national and international legal, policy, and technical frameworks related to river right of way, river zoning, land-use regulation, water governance, and buffer zone management. The task shall cover compilation and review of relevant documents, assessing existing frameworks and institutional arrangements, identify best practices, gaps and lesson learned and prepare a review and gap analysis report.

Task 2: Develop a national framework and methodology for determining river right of way for various classes/types of river understanding that the right of way will be dependent upon different factors. The Consultant shall study and propose the classification of various types of right of way suitable for different stretches or regimes of the rivers including the general risk acceptance level for defined stretches. This will incorporate flood risk probability (return periods), exposure and vulnerability and other societal concerns. The framework should also cover certain criteria and technical parameters to determining right of way/boundary zones for different classes/types of rivers, considering flood risk, environmental sensitivity, sediment load, urban/rural land use context and riverine width availability. The framework shall cover, but not limited to:

- Characterization and classification of river systems based on physiography, hydrology, channel patterns, sediment dynamics, flood behavior and land use
- Development of technical criteria and parameters for determining river ROW for each river class.
- Development of nationally applicable framework that defines different categories of river ROW and their corresponding objectives, management requirements and level of protection.
- Develop technical standards, delineation procedure, spatial workflow, and implementation guidelines for applying the consistent methodology.

Task 3: Pilot the developed river right of way framework and methodology in

selected Representative River reaches covering different river classes and land-use settings to test its applicability, practicality, and effectiveness. Based on the pilot results and consultations with relevant stakeholders, refine and validate the criteria, technical parameters, and implementation procedures for wider national application. The piloting shall be carried out with minimum of following procedures:

- Selection of representative river systems based on physiographic regions, river classes, land use setting and flood prone reaches
- Collection of readily available data such as High-resolution satellite imagery, DEM, river drainage network, existing flood hazard maps, land use land cover maps, existing infrastructures, hydrological and metrological records.
- Carryout the analysis based on the proposed framework
- Evaluation of the frameworks and methodology based on the consultation with WECS and other stakeholders.
- Make necessary assumptions in consultation with WECS for unavailable parameters and suggest the level of field work needed for implementation of the framework.

Task 4: Assess and identify potential river corridor enhancement measures, including floodplain lowering, relocation of river training structures, water retention, removal of obstruction and channel improvement work and integrate these measures into the delineation of river right of way to enhance flood conveyance capacity, reduce flood risks and maintain river ecosystem functions. The framework shall cover, but not limited to:

- Assessing existing river corridor conditions by reviewing the current physical condition of representative river corridors and identifying constraints affecting river conveyance, floodplain connectivity, channel stability, sediment transport and ecological functions
- Identify and evaluate potential river corridor enhancement measures
- Integrate enhancement measures into the ROW framework
- Develop technical recommendations and implementation guidelines for prioritizing and integrating river corridor enhancement measures.

4. Final Outputs

- A comprehensive National River Right of Way Framework and Guideline applicable across all river basins of Nepal
- Detailed report and data base of the Pilot Study river system.

5. Duration and Phase of the work

The whole study shall be completed in 8 months after signing of the contract. The scope of the work for each phase shall include, but not limited to, the followings:

5.1 Inception Phase

In this Phase, the consultant shall make a comprehensive review of existing national and international legal, policy, and technical frameworks related to river right of way, river zoning, land-use regulation, water governance, and buffer zone management. The output of the review shall not be generic, it shall be directly linked to proposed river right of way determination framework. The duration of this phase shall be 1.5 months after signing the contract. This phase shall include, but not limited to, the following:

- Review Nepal's Constitution, the Local Government Acts, Water Resources related Acts, Draft Water Resources Bill, and any draft/revised version, relevant policies, court rulings, and existing institutional mandates related to river right of way, river zoning, land-use regulation, water governance, and buffer zone management.
- Examine existing frameworks, such as those by WECS, Department of Water Resources and Irrigation (DWRI), Department of Forest and Soil Conservation (DoFSC), Ministry of Agriculture, Forest and Environment (MoAFE), and other related institutions/stakeholders related to river right of way, river zoning, land-use regulation, water governance, and buffer zone management.

Review national, regional and international practices in river right away determination with at least 5 case studies for different typologies to be proposed. The case studies should be relevant to Nepal. The inception report shall include the detailed information, methodology, tasks, work plan, staffing schedule and deliverables' schedule to complete the study within the study period. At least 2 hard copies of the initial and revised inception report including a soft copy shall be submitted to WECS for its approval. Consultant shall organize a half day workshop for presentation of Inception report to the WECS, and invited stakeholders to comment and support the works being carried out as per the objective and scope of the ToR. All the comments and suggestions endorsed by WECS shall be incorporated in the revised Inception Report.

5.2 Interim Phase

The duration of this phase shall be of 4.5 months after submission of the Inception Report. After approval of the Inception report, the consultant shall work on:

5.2.1 River Water Way Determination Guideline and Framework

Linking to literature review, the consultant shall prepare and propose a practical and scientifically valid River Water Way Determination Guideline and Framework tailored for Nepal based different typologies of classification. A suggested typologies are listed below, however, the consultant can recommend alternative typologies and can follow the alternatives based on the approval from WECS:

- Major Rivers (considering Hydraulic floodplain + migration corridor)
- Medium Rivers (considering Floodplain + safety buffer)
- Small Rivers (considering Minimum setback distance)
- Urban Rivers (considering Regulated corridor with floodway)

- Mountain Rivers (considering Hazard-based corridor)
- Braided Rivers (considering Entire active channel belt)
- Ephemeral or flash flood prone rivers.

The following factors are generally considered important in defining the Right of Way. The consultant shall evaluate these and proposed others as they find appropriate in their research and analyses:

Hydrological Factors

- Flood frequency and flood magnitude
- Historical flood records
- Climate variability and future climate scenarios
- Floodplain characteristics

Hydraulic Factors

- Flood inundation extent
- Flow conveyance requirements
- River training and protection structures
- Sediment transport dynamics

Geomorphological Factors

- River morphology and channel migration
- Bank erosion susceptibility
- Meander belt width
- River corridor evolution

Ecological and Environmental Factors

- Aquatic ecosystems
- Riparian habitats
- Wetlands and biodiversity corridors
- Environmental flow requirements

Social and Economic Factors

- Existing settlements
- Cultural and religious sites
- Infrastructure and public assets
- Livelihood dependencies

Typology of Rivers and Classifications

The consultant shall study all the related factors with respect to their importance, application and practicality for implementation in Nepal.

At least 2 hard copies of the Interim I report including a soft copy shall be submitted to WECS for its approval within 2 months after completion of the inception phase.

Consultant shall organize a half day workshop for presentation on Interim I report. WECS will comment on the report as per objective and, scope of the ToR. WECS may also invite the experts and concerned professionals in this Workshop. All the comments and suggestions provided by WECS shall be incorporated in the revised Interim I Report.

5.2.2 Application of River Waterway Determination Framework in the Pilot River

Pilot River shall be selected in consultation with WECS and related experts, the river

selected shall include most of the typologies, if not all, categorized by the Consultant. Application of the developed River Waterway Determination Framework will be carried out in the selected pilot river. For Pilot River, the consultant shall:

- Delineate floodplains
- Assess channel migration zones
- Map encroachments
- Delineate preliminary Right of Way boundaries
- Conduct stakeholder consultations
- Validate Right of Way criteria

At least 2 hard copies and a soft copy of the Interim II report detailing this activity related to the Pilot area including a soft copy shall be submitted to WECS for its approval within 2.5 months after completion of the Interim phase I.

WECS will comment on the report as per objective and scope of the ToR. All the comments and suggestions provided by WECS shall be incorporated in the revised Interim II Report.

5.4 Final Phase

The duration of this phase shall be of 2 months after submission and approval of Interim II report. After completion of the Interim Phase, Consultant shall work on finalization of the river waterway determination guideline and framework.

The Draft Report should include

- Revised final river waterway determination guideline and framework incorporating the feedback/learnings from the pilot river.
- Outputs of pilot river as a separate standard application documents for the framework

The **National River Right of Way Framework** shall include a brief description of the policy principles upon which the framework is based, and define the technical methodology, governance arrangements, institutional responsibilities and compliance and enforcement mechanisms.

The **River Right of Way Guideline** shall include the:

- Step-by-step procedures
- Data requirements
- Analytical methods
- GIS and mapping procedures
- Consultation procedures
- Approval process
- Monitoring and updating procedures

At least 2 hard copies of the draft report including a soft copy shall be submitted to WECS for its approval.

All the comments and suggestions provided by WECS shall be incorporated in the revised draft Report (Final Report).

6 Expected Human Resources:

The following professionals with stated qualifications are proposed for the assignment.

Key Experts

S. N.	Particulars	Required No.	Man-month		Minimum Qualification and Experience
			Office Work	Field Work	
1	Water Resources Engineer (Team Leader)	1	3.5	0.5	Refer to position description below respectively
2	Hydrologist/ River Expert	1	5.0	0.5	
3	Climate Change Expert	1	2.0	0.5	
4	Environment and Biodiversity Expert	1	2.5	0.5	
5	GIS Expert	1	3.5	-	
6	Legal and Policy expert	1	1.5	-	

Non-Key Experts

S. N.	Particulars	Required No.	Man-month		Minimum Qualification and Experience
			Office Work	Field Work	
1	Engineer (Modeler)	1	3.5	0.5	Bachelor Degree in Engineering in related field.
2	Office Assistant	1	6	-	+2 degree with Knowledge in Computer, documentation, communication and consultations

Note: CV of key experts from S.N. 1 to 6 shall be evaluated. The work experience of the key experts shall be counted after completion of the Bachelor's Degree. The responsibility of the experts is, but not limited to, the following:

6.1 Water Resources Engineer (Team Leader)

Qualification and Experience

The Team Leader shall have substantial experience in the area of water resources sector. S/he shall have minimum Master's degree in, Water Resources, hydrology, river engineering, Environmental Science, river morphology, Geography, or related fields with at least 15 years of professional experience. S/he shall have at least 2 years of experience as a team leader/deputy team leader and at least 6 years of specific experience in water resources planning and management/river management/river zoning/water governance. S/he shall have proven experience in policy/legal review and federal governance systems, familiarity with Nepal's hydrology, river system and federal institutional setup and experience in stakeholder facilitation and coordination. S/he shall be responsible to:

- Lead the project
- Lead the team for the review of the policy and institutional arrangement for river right of way/zoning at national, regional and international level
- Oversee right of way determination guideline and framework development including pilot basin implementation.
- Provide technical leadership on river engineering including channel behavior, sediment dynamics, bank stability, floodplain management, river training measures and river ROW management.
- Provide strategic recommendations on river corridor enhancement measures, implementation arrangements, institutional coordination capacity building and future updating of the river ROW framework to support sustainable river management.
- Lead the development and integration of technical criteria for river ROW determination incorporating hydrological, hydraulic, geomorphological, environmental, climate change, GIS, legal and land-use consideration into a unified methodology.
- Take full responsibility for the consulting team and as per the Term of Reference (TOR), provide overall direction to the consulting team and coordinate between individual experts and with related WECS officials
- In co-ordination and cooperation with WECS, carryout extensive consultations with the key stakeholders for obtaining suggestions and concurrence with the contents of the plan
- Prepare and implement detailed schedules for the works
- Organize meetings, and workshops; and be the resource person for the presentation of the outcome of the study (Team leader should lead the presentation of the works in the workshops)

- Engage the experts under the study and responsible for preparing, timely submission of outputs/deliverables and quality control of the works, different outputs and reports required as per TOR.

6.2 Hydrologist/River Expert

Qualification and Experience

The Hydrologist/River Expert shall have substantial experience in the area of hydrology and river morphology sector. S/he shall have Master's degree in water resources engineering/ hydrology/river engineering with at least 7 years of professional experience. S/he shall have proven specific experience in at least 3 hydrological modelling projects in River Basins/River corridors. S/he shall have successfully completed professional training on hydrological/ hydraulic modelling using internationally recognized modelling tools and techniques.

Responsibilities

S/he shall be responsible to:

- Review available hydrological, meteorological and flood related data and assess their adequacy, reliability and limitations for ROW determination
- Analyze river flow regimes, rainfall-runoff characteristics, flood frequency, and hydrological variability across different physiographic regions of Nepal
- Develop hydrological criteria for classification of rivers and determination of river ROW, considering flood magnitude, return periods, flow variability and climate related uncertainties.
- Conduct flood frequency and design flood analysis using appropriate statistical and hydrological methods for representative river systems
- Support the development of hydrological parameters required for delineation of different ROW categories, including flood extents, flood conveyance, floodplain connectivity and environmental flow considerations.
- Undertake hydrological and hydraulic modeling, as required, to estimate flood inundation extents, water levels, flow velocities and flood hazards for Representative River reaches.
- Define appropriate design return periods and acceptable flood risk levels of different river classes and land-use settings in consultation with WECS, project teams and stakeholders.
- Assess the impact of existing and potential river corridor enhancement measures on flood conveyance, flood storage and downstream hydrological conditions.
- Provide technical inputs for integrating hydrological analysis with river morphology, sediment transport, land use, environmental sensitivity and river engineering considerations in the ROW framework

- Contribute in the consultation process and finalization of the report.

6.3 Climate Change Expert

Qualification and Experience

The Climate Change Expert shall have a Master's Degree in Climate Change, Hydrology, Water Resources Engineering, Environmental Science, Meteorology, Geography, or related discipline with at least 10 years of professional experience. S/he shall have specific experience of climate change analysis at least 3 years in Himalayan/Snow/Glacier originated river systems. Experience in Nepal's river basins and climate change adaptation strategies shall be preferred.

Responsibilities

S/he shall be responsible to:

- Support team leader for review of national and international policies, strategies, guidelines and scientific literature related climate change adaptation and mitigation for determining ROW
- Assess the potential impact of climate change on river hydrology, flood frequency and magnitude, sediment dynamics, river morphology and floodplain.
- Review available climate change projections, climate risk assessments and hydro-meteorological datasets relevant to river ROW determination and evaluate their applicability.
- Identify climate sensitive factors that should be incorporated into the River ROW framework
- Develop technical recommendations for incorporating climate change considerations into river classification, design flood selection, risk acceptance criteria and determination of ROW in different river classes.
- Support the integration of climate risk and uncertainty into the technical criteria and methodology for delineating the River ROW.
- Assess the implication of climate change for river corridor enhancement measures and recommend climate-resilient river corridor management and adaptation measures that enhance flood resilience, protect river ecosystem and reduce long-term disaster risk.
- Contribute to the pilot application of the proposed framework under projected climate conditions and identifying areas requiring adaptive management.
- Contribute to stakeholder consultations, technical discussions, capacity building activities and incorporation of the feedback into the final framework.

6.4 Environment and Biodiversity Expert



Qualification and Experience

The Environment and Biodiversity Expert shall have a Master's Degree in Environmental Science, Ecology, Biodiversity Conservation, Natural Resources Management, Forestry, or related discipline with at least 10 years of professional experience. S/he shall have proven experience of at least 5 years in aquatic ecology, river ecosystem assessment, environmental planning, biodiversity conservation, environmental policy analysis, and ecosystem-based management approaches.

Responsibilities

S/he shall be responsible to:

- Support team leader for the review of national and international legal, policy and technical frameworks related to river ecosystems, biodiversity conservation, riparian buffers, wetlands, environmental flows and environmental management relevant to river ROW
- Assess the environmental and ecological characteristics of representative river systems and identify environmentally sensitive areas, critical habitats, wetlands and biodiversity hotspots that should be considered in river ROW delineation.
- Develop environmental and biodiversity criteria and technical parameters for incorporation into the river ROW framework, including provisions for riparian buffer zones, habitat protection, ecological connectivity and environmental flow requirements.
- Evaluate the potential environmental impacts of different river ROW categories and proposed river corridor management approaches on riverine ecosystems, biodiversity and ecosystem services
- Assess and recommend river corridor enhancement measures, including floodplain restoration, nature based solutions, riverbank rehabilitation and habitat improvement and integrate these measures into the River ROW framework
- Support the pilot application of the proposed framework by evaluating environmental and biodiversity considerations in representatives river reaches and validating the applicability of the proposed criteria and methodology
- Recommend environmental monitoring indicators, implementation measures and management practices to support the long-term protection of river ecosystems and biodiversity within river ROW.
- Contribute to stakeholder consultations and prepare technical inputs, reports, maps and recommendations for inception report, draft guideline, pilot study and final national river ROW framework.

6.5 GIS Expert

Qualification and Experience

S/he shall have a Master's degree in GIS or remote sensing or related field with at least 5 years of professional experience. S/he shall have at least 2 years of specific work experience as a GIS/ Remote sensing expert in water resources planning and management.

Responsibilities

S/he shall be responsible to:

- Compile, process and manage all relevant spatial datasets, including satellite imagery, digital elevation models (DEMs), river networks, land use/land cover, administrative boundaries, infrastructure, flood hazard maps and other geospatial data required for the study.
- Conduct GIS and remote sensing analysis to support river classification, river corridor characterization, flood plain mapping and delineation of river ROW for different river classes
- Develop standardized GIS-based procedures, spatial workflow and mapping protocols for consistent application of the river ROW delineation methodology at the national level
- Generate thematic maps, spatial analysis and geospatial products required for the development of the river ROW framework, technical guideline and pilot applications
- Support the pilot implementation of the proposed methodology by preparing and analyzing geospatial datasets for representative river reaches and evaluating the practicality of the GIS based approach.
- Develop and maintain a geospatial database for all project data, ensuring data quality, consistency, metadata documentation and compatibility with national geospatial standards
- Prepare GIS-based implementation guidelines, mapping standards and data requirements to facilitate future application and updating of the River ROW framework by relevant government agencies
- Contribute to stakeholder consultations and prepare technical inputs, reports, maps and recommendations for inception report, draft guideline, pilot study and final national river ROW framework.

6.6 Legal and Policy Expert

Qualification and Experience

The Legal and Policy Expert shall have a Master's Degree in Law, Water Resources Management, Public Policy, Environmental Law, Natural Resources Governance, or related field with at least 10 years of professional experience. S/he shall have demonstrated experience of at least 5 years in water resources legislation, federal governance, policy analysis, institutional frameworks, and legal review related to natural

resources management. Experience in drafting or reviewing water resources laws, regulations, and governance frameworks in Nepal shall be highly preferred.

Responsibilities

S/he shall be responsible to:

- Conduct a comprehensive legal and institutional review by examining constitutional provisions, existing and proposed legislation, regulations, policies, court decisions and institutional mandates related to water resources, river management, land use, environmental protection, biodiversity conservation and River ROW and identify legal and institutional gaps, overlaps and implementation challenges
- Analyze policy and governance arrangements for River ROW management across federal, provincial and local governments, assess institutional roles, responsibilities and coordination mechanisms, review international best practices and recommend appropriate governance arrangements for effective implementation of the River ROW framework
- Provide legal and policy inputs to the River ROW framework and guideline by ensuring consistency with Nepal's constitutional provisions, legal framework and international obligations, and by developing legal and institutional criteria to support river ROW delineation, management, implementation and enforcement
- Review legal implications of River ROW delineation for different river classes, including issues related to public land, private property, administrative boundaries, protected areas, infrastructure and rivers crossing local, provincial or international boundaries and recommend appropriate legal and institutional solutions
- Support the pilot application and validation of the proposed river ROW methodology by reviewing legal and institutional implications, validating governance arrangements, and recommending refinements based on implementation experience.
- Develop recommendations for river governance arrangements, intergovernmental coordination mechanisms, institutional strengthening, conflict resolution, legal reform and policy improvement necessary for effective implementation and long term management of River ROW
- Contribute to stakeholder consultations and prepare technical inputs, reports, maps and recommendations for inception report, draft guideline, pilot study and final national river ROW framework.

7 Work Schedule

The consultant shall complete the entire study project within 8 months from the date of signing the agreement with WECS. It is responsible of the consultant to plan in detail the work schedule and expert man months schedule to complete the assigned work within the assigned time frame.

8 Terms of Payment

Payment shall be made according to the following schedule:

Installments	Payment of the Total Contract Amount	Condition of the Payment
1 st Installment	20%	After submission and approval of Inception Report
2 nd Installment	50%	After submission and acceptance of Interim II Report
3 rd installment	30%	After submission and approval of Final Report and analyzed database files.

Consultant shall request the WECS for the payment of the offered job with valid bills

9 Language of the Report:

All the reports shall be prepared and submitted in English. In addition, the consultant shall include executive summary of the final report in Nepali language too.

10 Confidentiality and Data Use

All collected data and outputs shall remain the property of the Government of Nepal, Water and Energy Commission Secretariat (WECS) and the Consultants shall not use, share or distribute these without prior approval. The consultant may share summaries, briefs or infographics that WECS has shared publicly during or after the study.

D. Evaluation of Consultant's EOI Application

Evaluation of Consultant's EOI Application



Consultant's EOI application which meets the eligibility criteria will be ranked on the basis of the Ranking Criteria.

i) Eligibility & Completeness Test

S.No.	Eligibility & Completeness Test	Compliance
1	Notarized copy of Company/Firm Registration certificate (of each member of JV in case of JV)	Consultant shall submit document
2	The Lead Firm shall have minimum 7 (seven) years of experience	Shall Comply
3	Notarized Copy of VAT & PAN Registration certificate (of each member in case of JV)	Consultant shall submit document
4	Notarized copy of Tax clearance or tax submission certificate of fiscal year 081/82 (of each member of JV in case of JV)	Consultant shall submit document
5	Self declaration letter of the firm (in case of JV, the consultants shall submit self-declaration either separately or jointly by signing each member of JV)	Consultant shall submit document
6	Joint Venture Agreement between JV partners duly signed by authorized signatories and stamped with company seal of each member of JV & clearly mentioning the name of lead firm, name of JV partners, roles and responsibilities of each members, name of authorized signatories (in case of JV)	Consultant shall submit document
7	The total number of consulting firms including the lead firm shall not exceed a maximum of three in JV	Shall Comply
8	An applicant must not submit more than one (1) EOI application either as a single entity or as a partner in JV firm	Shall Comply
9	Power of attorney of authorized signatories of JV agreement from their respective firm with signature and stamp of each member of JV (in case of JV)	Consultant shall submit document
10	Power of attorney to lead firm by JV partners (in case of JV)	Consultant shall submit document
11	EOI Form 1: Letter of Application	Consultant shall duly fill the given form
12	EOI Form 2: Applicant's Information Form	Consultant shall duly fill the given form
13	EOI Form 3: Experience (3(A) and 3(B))	Consultant shall duly fill the given form
14	EOI Form 4: Capacity	Consultant shall duly fill the given form
15	EOI Form 5: Qualification of Key Experts	Consultant shall duly fill the given form

ii) EOI Evaluation Criteria

A. Qualification, Experience and Capacity

SN	Description	Weightage	Marks
1	Proposed Key Professional for the study(Qualification & Experience)		40
A : Water Resources Expert (Team Leader)			15
i	Qualification (Minimum Master's degree in Water Resources, hydrology, river engineering, Environmental Science, river morphology, Geography, or related fields)		3
a	Master's degree	80%	2.4
b	PhD.	100%	3
ii	Professional Experience		3
a	15 years	60%	1.8
b	15 - 20 years	80%	2.4
c	more than 20 years of experience	100%	3
iii	Specific experience in water resources planning and management/river management//river zoning/water governance		6
a	6 years	60%	3.6
b	6 to 8 years	80%	4.8
c	more than 8 years	100%	6
iv	Specific experience as a Team leader/Deputy Team Leader in water resources planning and management/river management//river zoning/water governance		3
a	2 year	60%	1.8
b	2 to 4 years	80%	2.4
c	more than 4 years	100%	3
B: Hydrologist/River Expert			5
i	Master's degree in water resources engineering/ hydrology/river engineering		2
a	Master's degree	100%	2
ii	Professional Experience		1.5
a	7 years	60%	0.9
	7 - 10 years	80%	1.2

b	more than 10 years of experience	100%	1.5
iii	Specific experience in hydrological modelling in River Basins/River corridors		1.5
a	3 Hydrological modelling projects	60%	0.9
b	3 to 4 Hydrological modelling projects	80%	1.2
c	more than 4 Hydrological modelling projects	100%	1.5
C: Climate Change Expert			5
i	Master's Degree in Climate Change, Hydrology, Water Resources Engineering, Environmental Science, Meteorology, Geography, or related discipline		2
a	Master's degree	100%	2
ii	Professional Experience		1.5
a	10 years	60%	0.9
b	10-12 years	80%	1.2
c	more than 12 years of experience	100%	1.5
iii	Specific experience in climate risk assessment in Himalayan/Snow/Glacier originated river systems		1.5
a	3 year	60%	0.9
b	3 to 4 years	80%	1.2
c	more than 4 years	100%	1.5
D: Environment and Biodiversity Expert			5
i	Master's Degree in Environmental Science, Ecology, Biodiversity Conservation, Natural Resources Management, Forestry, or related discipline		2
a	Master's degree	100%	2
ii	Professional Experience		1.5
a	10 years	60%	0.9
b	10-12 years	80%	1.2
c	more than 12 years of experience	100%	1.5
iii	Specific experience in aquatic ecology, river ecosystem assessment, environmental planning, biodiversity conservation, environmental policy analysis, and ecosystem-based management approaches		1.5
a	5 years	60%	0.9
b	5 to 6 years	80%	1.2
c	more than 6 years	100%	1.5
E: GIS Specialist			5
i	Masters degree in GIS or remote sensing or related field with at least 5 years of professional experience		2

a	Master's degree	100%	2
ii	Professional Experience		1.5
a	5 years	60%	0.9
b	5 to 6 years	80%	1.2
c	more than 6 years of experience	100%	1.5
iii	Specific experience as GIS/ Remote sensing expert in water resources planning and management		1.5
a	2 years	60%	0.9
b	2 to 3 years	80%	1.2
c	more than 3 years	100%	1.5
F: Legal and Policy Expert			5
i	Masters degree in in Law, Water Resources Management, Public Policy, Environmental Law, Natural Resources Governance, or related field		2
a	Master's degree	100%	2
ii	Professional Experience		1.5
a	10 years	60%	0.9
b	10-12 years	80%	1.2
c	more than 12 years of experience	100%	1.5
iii	Specific experience in water resources legislation, federal governance, policy analysis, institutional frameworks, and legal review related to natural resources management		1.5
a	5 years	60%	0.9
b	5 to 6 years	80%	1.2
c	more than 6 years of experience	100%	1.5
2	Work Experience of the firm(Only study completed projects will be considered for evaluation)		50
2a	General Experience of the firm (Shall be lead firm in case of Joint Venture and Minimum 7 (seven) years of general experience in consulting jobs.)		20
a	7 (Seven) years of general experience	80%	16
b	More than 7 (Seven) years	100%	20
2b	Specific experience of the firm within last 7 years		30

	Experience of the firm in: • Conducted study/ consulting job in River Engineering/Water Governance/ River Policy/ Water policy (The completed projects / tasks having contract amount/ value more than 2 million Nepalese rupees shall only be considered for evaluation)		
a	1 (one) project	60%	18
b	2 (two) projects	80%	24
c	3 (three) or more projects	100%	30
3	Financial Capacity of the firm in NRs(Average Annual Turn-over (AAT) in million NRs of the best three Fiscal Years in last seven consecutive Fiscal Years) minimum AAT 2.0 million Nepalese Rupees		10
a	2	60%	6
b	2.0 to 3.0	80%	8
c	More than 3.0	100%	10
Total Marks			100

Note: For specific experience to be considered, all the experts must have provided a minimum of six (6) person months of input in a project.

Minimum score to pass the EOI is: 60

Note: If the corruption case is being filed to Court against the Natural Person or Board of Director of the firm/institution /company or any partner of JV, such Natural Person or Board of Director of the firm/institution /company or any partner of JV such consultant's proposal shall be excluded during the evaluation, if public entity receives instruction from Government of Nepal.

Notes on Evaluation Criteria:

- The Consultant must put the signature of authorized representative and company's stamp on each and every page of the EOI. In absence of signature of authorized representative and stamp of company, the particular page will not be considered for evaluation.
- In case of a natural person or firm/institution/company which is already declared blacklisted and ineligible by the GoN, any other new or existing firm/institution/company owned partially or fully by such Natural person or Owner or Board of director of blacklisted firm/institution/company; shall not be eligible consultant.

- c) The relevant figures/numbers of each member of joint venture shall be added together to calculate cumulative figures/numbers of the joint ventures for the purpose of evaluation of experience and turnover of the firm(s).
- d) The experience of the firm shall be supported with notarized copies of experience/completion certificates showing the name & type of consulting service, project size/value of service and date of completion of the assignment. Experience of the firm with work completion certificate shall not be considered for evaluation.
- e) Only study completed project will be considered for evaluation. The ongoing study or partially completed project will not be considered for evaluation.
- f) Each page of Curriculum Vitae (CV) of the key professional shall be submitted with expert's signature along with notarized copy of Nepal Engineering Council (NEC) certificate of the professionals required to be registered as per NEC Act, 2055 and Regulation, 2057 and notarized copy of Academic certificates (Bachelor's degree to higher degree) shall also be submitted for each expert.
- g) A firm shall not propose the same key professional for more than one designation.
- h) If WECS finds the proposed key professional doubtful regarding education, experience or any issues then such professional may be asked to appear in WECS office for verification. Failing to appear in such verification may cause disqualification.



E. EOI Forms & Formats

E. EOI Forms & Formats

Form 1. Letter of Application

Form 2. Applicant's information

Form 3. Experience (*General, Specific and Geographical*)

Form 4. Capacity

Form 5. Qualification of Key Experts



Standard EOI Document



1. Letter of Application

(Letterhead paper of the Applicant or partner responsible for a joint venture, including full postal address, telephone no., fax and email address)

Date:

To,

Full Name of Client:

Full Address of Client:

Telephone No.:

Fax No.:

Email Address:

Sir/Madam,

1. Being duly authorized to represent and act on behalf of (hereinafter "the Applicant"), and having reviewed and fully understood all the short-listing information provided, the undersigned hereby apply to be short-listed by **[Insert name of Client]** as Consultant for **[Insert brief description of Work/Services]**.
2. Attached to this letter are photocopies of original documents defining:
 - a) the Applicant's legal status;
 - b) the principal place of business;
3. **[Insert name of Client]** and its authorized representatives are hereby authorized to verify the statements, documents, and information submitted in connection with this application. This Letter of Application will also serve as authorization to any individual or authorized representative of any institution referred to in the supporting information, to provide such information deemed necessary and requested by yourselves to verify statements and information provided in this application, or with regard to the resources, experience, and competence of the Applicant.
4. **[Insert name of Client]** and its authorized representatives are authorized to contact any of the signatories to this letter for any further information.¹
5. All further communication concerning this Application should be addressed to the following person,
[Person]
[Company]
[Address]

[Phone, Fax, Email]



6. We declare that, we have no conflict of interest in the proposed procurement proceedings and we have not been punished for an offense relating to the concerned profession or

¹ Applications by joint ventures should provide on a separate sheet, relevant information for each party to the Application.

business and our Company/firm has not been declared ineligible.

7. We further confirm that, if any of our experts is engaged to prepare the TOR for any ensuing assignment resulting from our work product under this assignment, our firm, JV member or sub-consultant, and the expert(s) will be disqualified from short-listing and participation in the assignment.
8. The undersigned declares that the statements made and the information provided in the duly completed application are complete, true and correct in every detail.

Signed _____ :

Name _____ :

For and on behalf of (name of Applicant or partner of a joint venture):

2. Applicant's Information Form

(In case of joint venture of two or more firms to be filled separately for each constituent member)

1. Name of Firm/Company:
2. Type of Constitution (*Partnership/ Pvt. Ltd/Public Ltd/ Public Sector/ NGO*)
3. Date of Registration / Commencement of Business (*Please specify*):
4. Country of Registration:
5. Registered Office/Place of Business:
6. Telephone No; Fax No; E-Mail Address
7. Name of Authorized Contact Person / Designation/ Address/Telephone:
8. Name of Authorized Local Agent /Address/Telephone:
9. Consultant's Organization:
10. Total number of staff:
11. Number of regular professional staff:

(Provide Company Profile with description of the background and organization of the Consultant and, if applicable, for each joint venture partner for this assignment.)

3. Experience

3(A). General Work Experience

(Details of assignments undertaken. Each consultant or member of a JV must fill in this form.)

S. N.	Name of assignment	Location	Value of Contract	Year Completed	Client	Description of work carried out
1.						
2.						
3.						
4.						
5.						
6.						
7.						

Standard EOI Document



3(B). Specific Experience

Details of similar assignments undertaken in the previous seven years

(In case of joint venture of two or more firms to be filled separately for each constituent member)

Assignment name:	Approx. value of the contract (in current NRs; US\$ or Euro) ² :
Country: Location within country:	Duration of assignment (months):
Name of Client:	Total No. of person-months of the assignment:
Address:	Approx. value of the services provided by your firm under the contract (in current NRs; US\$ or Euro):
Start date (month/year): Completion date (month/year):	No. of professional person-months provided by the joint venture partners or the Sub-Consultants:
Name of joint venture partner or sub-Consultants, if any:	Narrative description of Project:
Description of actual services provided in the assignment: Note: Provide highlight on similar services provided by the consultant as required by the EOI assignment.	

Firm's Name: _____

² Consultant should state value in the currency as mentioned in the contract

Standard EOI Document



3(C). Geographic Experience

Experience of working in similar geographic region or country

(In case of joint venture of two or more firms to be filled separately for each constituent member)

No	Name of the Project	Location (Country/ Region)	Execution Year and Duration
1.			
2.			
3.			
4.			
5.			
6.			
7.			

4. Capacity**4(A). Financial Capacity**

(In case of joint venture of two or more firms to be filled separately for each constituent member)

Annual Turnover	
Year	Amount Currency

- Average Annual Turnover

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(Note: Supporting documents for Average Turnover should be submitted for the above.)

Standard EOI Document



4(B). Infrastructure/equipment related to the proposed assignment³

No	Infrastructure/equipment Required	Requirements Description
1.		
2.		
3.		
4.		
5.		

³ Delete this table if infrastructure/equipment for the proposed assignment is not required.

Standard EOI Document



5. Key Experts *(Include details of Key Experts only)*

(In case of joint venture of two or more firms to be filled separately for each constituent member)

SN	Name	Position	Highest Qualification	Work Experience (in year)	Specific Work Experience (in year)	Nationality
1						
2						
3						
4						
5						

(Please insert more rows as necessary)