Government of Nepal (GoN)
Ministry of Forests and Environment
Building a Resilient Churia Region in Nepal (BRCRN)
Provincial Project Management Unit
Bagmati Province
Sindhulimadi, Sindhuli

Notice for Standing List
Recruitment of Individual Civil Engineer

Date of Publication: September 24, 2024

The GoN has received a grant from Green Climate Fund (GFC) toward the cost of BRCRN. To accomplishing the Project, Provincial Project Management Unit, Bagmati, Sindhuli (PPMU_Sindhuli) requires the service of the Civil Engineer in a regular basis for 275 input days up to Asadh 2082 for this Fiscal Year 2081/082 as an individual expert. So as per the provision made in Public Procurement Act, 2007 article 6(ka) all the interested eligible individual expert are requested to submit the application along with following document via hand or email (brcrnsindhuli@gmail.com) to get enlist the roster on or before October 8, 2024 during office hours. PPMU, Sindhuli shall prepare the enlistment list based on the qualification and experience of the expert and will issue the request for proposal document as per Public Procurement Regulation, Rule No. 72. The interested and eligible individual expert may obtain further information from PPMU, Sindhuli Office (Contact no: 047-521316, 047-521318).

Requirement for enlistment:

- PAN/VAT Registration document
- Tax Clearance document for FY 2080/081 (not required for newly registered expert)
- CV along with academic documents.
- Eligibility: Bachelor Degree in Civil Engineering with at least 5 years of proven experience in related field.

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Terms of Reference

Expertise: Engineer **Selection Method : QCBS** **No of Position :One**			**Selection Type : Individual Consultant** **Estimated Input Days: 225 days**	
Programme/Project Number: *GCP/NEP/076/GCF*				
Duty Station:	Provincial Project Management Unit Bagmati Province, Sindhuli			
Expected Start Date of Assignment:	First Week of Kartik	**Duration:**	Total of 225 days up to end of Asadh 2082 (initially probation period of 3 months).	
Language: Language in fluency in oral and writing: English and Nepali and preferably local language				
Reports to:	.....	***Title:***	Provincial Project Coordinator	

GENERAL DESCRIPTION OF TASK(S) AND OBJECTIVES TO BE ACHIEVED

Background

The project "Building a Resilient Churia Region in Nepal" (BRCRN) was approved by the 24th meeting of the Board of the Green Climate Fund (GCF) in November 2019, and is Nepal's first full-size GCF project. FAO, as the nominated Accredited Entity (AE) for the project, is responsible to the GCF for implementation of the project and is also co-Executing Entity (EE) with the Ministry of Forest and Environment (MoFE) of the Government of Nepal (GoN). The BRCRN project will be implemented in 26 critical river systems in the southeast region of Nepal, covering parts of Koshi, Madhesh and Bagmati, linking the Churia hills and upper Terai, and aims to promote widespread adoption of climate-resilient land use practices, confront the challenges of deforestation and forest degradation, better maintain the forest ecosystem in the Churia hills, and build resilience to climate-induced hazards.

The Project Management Unit (PMU) has been established at the MoFE and led by a full-time National Project Director (NPD). The PMU is responsible for implementation of project activities according to the Annual Work Plan and Budget AWPB. The MoFE has established three provincial PMUs; one each in Koshi, Madhesh and Bagmati, collectively named as PPMUs. The PPMUs will provide operational leadership in managing the Government's co-finance and GCF funding component of the BRCRN project, within their respective jurisdictions, according to the regulations and guidance set out in project documents. They will be mainly responsible for field coordination and organizing provincial level planning to develop provincial level AWPB for delivery and oversight of project activities at the province and local level.

The Project will provide support to construct small soil conservation and watershed management structures that will play a crucial role in reducing community vulnerability to climate change impacts, accounting for both upstream and downstream dynamics in each of the targeted river systems. In particular, these structures will reduce erosion risk in upstream areas, and reduce sedimentation and flooding risk and water stress in mid and

downstream areas. Specific sites for check dams, stabilisation measures and other local infrastructure has been identified through the Critical Ecosystem Restoration Plans (CERPs). CERPs have identified priority locations (based on extent of resource degradation and climate change-related risk including vulnerability assessment) and types of structures to be built in each river systems of Bagmati Province. Details of the sites are identified in the 13 CERPs in Koshi, eight CERPs in Madhesh Province and Five CERPs in Bagmati Province.

In this context, there is a need for technical guidance, supervision and quality control of soil and watershed conservation related structural works in BRCRN river systems. For this, PPMU will be going to recruit one engineer to be stationed at PPMU Sindhuli. The engineer will work in close consultation with the provincial technical officer in PPMU, provincial forest and agriculture ministries, municipalities/rural municipalities, Koshi River Basin Management Centre, DFO Sindhuli and Soil and Watershed Management Office of the province and relevant CBO Beneficiaries to develop detailed technical specification, technical standard guidelines including bid documents to hire service providers for construction works, supervise civil works during construction of check dams, gully stabilization measures and other local infrastructure including bioengineering measures. In particular BRCRN focuses on following soil and water conservation measures for ecosystem restoration and sustainable natural resources management:

- **Siltation prevention measures of river tributaries (check dams):** To reduce disaster risks and other negative impacts on land use systems emerging from water bodies and sediment accumulation. The check dam is designed to focus on siltation management and prevention that will protect the hydrological functions of river systems. The design should consider strategic construction and maintenance approach with locally adapted structural types that effectively trap deposits and regulate water flow with proper integration of vegetative measures at up and downstream of the dam sites.

- **Gully stabilization through contour bunds and stone walls:** To control surface runoff by increasing infiltration and trapping moisture, as well as soil protection measures and slope stabilization. Measures include bioengineering and physical measures such as bunding, terracing, levelling, and trenching, and building structures for diversion of surface runoff such as grassed waterways and weirs.

- **Riverbank stabilization (Physical structures):** Physical structures such as gabion and loose stone walls in combination with vegetative measures to focus on sensitive parts of water bodies such as bottlenecks or especially steep or shallow areas. Existing best practices with locally available materials should also be explored and promoted.

- **Conservation Ponds (Embankment Type or Dugout Type):** The project focuses on new construction as well as rehabilitation of existing ponds and waterbodies. This rehabilitation can be combined with suitable agroforestry practices in order to create an integrated tree – water pond – system with multiple benefits including aspects of recreation and tourism.

B) Scope of Work

Under the overall guidance from the BRCRN National Project Director, in direct supervision from Provincial Project Coordinator and in close consultation with PMU forestry specialist, PPMU forestry and/or soil conservation Technical Officer, FAO TA and in coordination with Divisional Forest Officers, Soil and water conservation officers, the consultant will undertake activities with following detailed tasks and/or expected output):

Task 1: Conduct technical feasibility of the CERP recommended soil and water conservation measures including site verification:

- Review BRCRN CERP and ESMP documents for all river systems to identify and locate the sites for soil and water conservation measures.
- Conduct site visits with guidance of PPMU in close coordination and leadership of PPMU technical officers, to verify and validate the CERP recommended sites for appropriateness and technical feasibility of all soil and water conservation structures with following considerations:
  - Suitability of each structure within selected site to reduce climate vulnerability and maximize resilience benefits in response to the climate change impacts/challenges identified in the CERPs and other relevant plans.
  - The consent of owner(s) of the selected sites (whether privately owned, community owned or government owned) to the use of the land for the proposed structure(s).
- Submit technical feasibility field report to PPMU Sindhuli, PMU and FAO-TA with detailed information about structure type, location, total cost and resource leveraging possibility at local level.

Task 2: Develop detailed technical standard guidelines for soil-water conservation related structural works :

- Review and document existing practices of watershed, soil and water management, gully control, siltation prevention and riverbank stabilization for churia region and adjoining lower areas with guidance of PPMU in close consultation and coordination with PPMU technical officers, President Chure Terai Madhesh Conservation Development Board, Basin Management Center Koshi (Udaypur), soil and watershed management offices to identify appropriate structural and soil-water conservation measures for BRCRN.
- Design appropriate structures including bioengineering measures and prepare detailed technical specifications with cost estimate for all structures.
- Prepare standard operating guideline for implementing the civil construction and soil and water management works.

Task 3: Develop bid documents for the construction works to hire the Service Providers:

- Prepare ToR and standard bid documents including technical specifications, drawings and Bill of Quantities for all soil-water conservation related structural measures in compliance with the Nepal government public procurement regulations.
- Perform evaluations of the bidders in close consultation with PPMU Sindhuli , PMU and FAO TA.
- Conduct necessary technical discussions and negotiations to hire the service provider.

Task 4: Supervise and quality control of civil works with guidance of PPMU Sindhuli in close coordination with PPMU Sindhuli's technical officers and FAO TA

- Prepare a supervision and quality control plan
- Conduct periodic supervision (quarterly) at river system level through site visits to observe the quality of construction and restoration works,
- Check, approve and recommend for the payment of completed work.
- Submit periodic supervision and quality control report to PPMU , PMU and FAO TA.
- Submit progress reporting for monthly, quarterly, bi-annual and end of year progress report.

Task 5: Liaison and Capacity Building

- Liaise with provincial, district and local level organizations especially with provincial technical officers in PPMU, provincial forestry and agriculture ministry, rural/municipalities, Basin Management Centre Koshi and relevant CBO Beneficiaries to identify and document existing best practices on sediment management,

slope protection, gully control, river bank stabilization for scale-up/scale-out possibilities for BRCRN.

- Participate in BRCRN organized events at provincial, district and local levels including trainings to municipalities and CBOs to orient on quality control of civil works, activity monitoring and reporting.

Task 6: Performance and Coordination with PPMU/PMU and FAO TA

- Timely initiation and completion the activities mentioned in AWPB
- Adherence to the project documents and AWPB
- Honours and adhere to the GESI and safeguard policy of the Government of Nepal, MoFE and Project.
- Submit estimates photos, reports and all other relevant data in both hardcopy and digital form.
- Respect and honour the instructions provided by PMU, PPMU and FAO-TA

C) Minimum qualification and Requirements

- Bachelor degree in Civil Engineering, Integrated Water Resource Engineering, Environmental Engineering with specialization in soil and water conservation, natural resource management, environment and DRR with at least 5 years of proven experience in related field of Master of degree in the same faculty and 3 years of proven experience.
- Proven experience in integrated watershed management activities planning, implementation, monitoring and evaluation will be an advantage;
- Experience on designing and delivering technical specifications, bid documents, engineering and natural resources guidelines.
- Proven track record of advising and collaborating with government institutions and other stakeholders;
- Proficiency in Microsoft office products and Engineering design software applications such as Autodesk CAD, Civil 3D, HEC-RAS and others;
- Basic knowledge of GIS and Google Earth ;
- Proficiency in both spoken and written English;
- Strong inter-personal skills and excellent oral communication skills.
- Good health to adopt with and work in the field situations.

Note: A higher degree in related field will get added value. Preference will be provided for highly experienced expert and the experience of expert after bachelor degree shall only be considered for evaluation.

D2) Estimated Input Time/Days

The consultant shall provide his/her service for 225 estimated input days in a regular basis for this Fiscal year 2081/082. The consultant shall have to work onsite at client office. The payment of consultant shall be based on the actual input days.

E) Time for commencement and completion of assignment by the consultant

The expected date for the engagement of consultant for the above mentioned service is tentatively from Kartik 2081 and up to end of Asadh 2082 with possibility of extension. An extension is subject to operational needs, consultant performance, and continued availability of funds.

F) Details of the information, physical facilities and equipment to be provided by Public Entity to the consultant

Client will provide the physical office space, internet connection, stationery and printing facility while working. The

consultant him/herself shall arrange other requirement, like transportation vehicle, laptops/computer and necessary software required etc.

G) Details of the report, data, drawing and survey report etc. to be submitted by the consultant.

KEY PERFORMANCE INDICATORS

Expected Outputs:	Required Completion Date:
• Technical Feasibility Field report	Second Week of Kartik 2081
• Technical standard operating guideline for soil-water conservation related structural works	First Week of Mangsir 2081
• Bid documents for the construction works	As and when required
• Supervision and Quality control report	Quarterly basis
• Documentation report of existing soil-water conservation related best practices and scale out/scale-up designs for BRCRN	Latest by Mangsir 2081
• Capacity building training content to municipalities and CBOs on activity monitoring of civil and soil-water conservation works	As and when required
• Monthly, Trimester, Bi-annual and end of the year progress report.	End of every Month/Trimester, Paush 2081 and Asadh 2082

FORMAT OF

CURRICULUM VITAE (CV)

Position Title	Civil Engineer
Name of Expert:	{Insert full name}
Permanent Adress	
Current of Mailing Adress	
Date of Birth:	{day/month/year}
Citizenship Number & Issued district	

Education: {List college/university or other specialized education, giving names of educational institutions, dates attended, degree(s)/diploma(s) obtained}

_____

_____

Employment record relevant to the assignment: {Starting with present position, list in reverse order. Please provide dates, name of employing organization, titles of positions held, *type of employment (full time, part time, contractual),* types of activities performed and location of the assignment, and contact information of previous clients and employing organization(s) who can be contacted for references. Past employment that is not relevant to the assignment does not need to be included.}

Period	**Employing organization and your title/position. Contact information for references**	**Country**	**Summary of activities performed relevant to the Assignment**
[e.g., May 2005-present]	[e.g., Ministry of ....., advisor/consultant to... For references: Tel...../e-mail.....; Mr. Bbbbbb, deputy minister]		

Membership in Professional Associations and Publications:

_____

Language Skills (indicate only languages in which you can work): _____

_____

Adequacy for the Assignment:

Detailed Tasks Assigned on Consultant's Team of Experts:	**Reference to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks**
{List all deliverables/tasks as in TECH-5 in which the Expert will be involved)	

Expert's contact information: (e-mail....., phone.....)

Certification:

I, the undersigned, certify to the best of my knowledge and belief that

(i) This CV correctly describes my qualifications and experience

(ii) I am not a current employee of the GoN

(iii) In the absence of medical incapacity, I will undertake this assignment for the duration.

(iv) I was not part of the team who wrote the terms of reference for this consulting services assignment

(v) I am not currently debarred by Government of Nepal.

(vii) I declare that Corruption Case is not filed against me.

I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

_____ Date: _____

[Signature of expert] *Day/Month/Year*