

**REQUEST FOR EXPRESSION OF INTEREST  
(SELECTION OF INDIVIDUAL DESIGN CONSULTANT)  
Disaster Preparedness and Resilience Project (U-PREPARE)**

*Loan No. – 9654-IN*

***Assignment Title: Individual Design Consultant***

The Government of India has applied for financing from the World Bank toward the cost of the Uttarakhand Disaster Preparedness and Resilience Project (U-PREPARE), and intends to apply part of the proceeds for consulting services for Individual Design Consultant for Proof checking of the DPRs (Design & Drawings) of proposed bridges under U-PREPARE.

The Program Manager PIU-PWD now invites eligible individuals (“Consultants”) to indicate their interest in providing the Services. Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services (attach curriculum vitae with description of experience in similar assignments, similar conditions, etc.). Firms’ staff may express interest through the employing firm for the assignment and, under such situation, only the experience and qualifications of individuals shall be considered in the selection process. The ToR for Selection of Individual Design Consultant is given below:

**TERMS OF REFERENCES FOR INDIVIDUAL DESIGN CONSULTANT- BRIDGE**

**Assignment Title: Individual Design Consultant**

<b>Project</b>	: Uttarakhand Disaster Preparedness & Resilience Project (U-PREPARE)
<b>Location</b>	: PIU – PWD, U-PREPARE, 5th Floor, USDMA Building, IT Park, Dehradun
<b>Start Date</b>	: The assignment shall commence within seven (07) days from the date of signing of the contract.
<b>Responsible to</b>	: Program Manager / Deputy Program Manager, PIU-PWD
<b>Responsible for</b>	: Assist the PMU/PIU for review of design of bridges proposed under U-PREPARE
<b>Type of Input</b>	: Intermittent
<b>Duration of Assignment</b>	: Maximum duration of assignment shall be 12 months from the date of signing of the contract, with intermittent input as per project requirement.
<b>Consultancy Fee</b>	: As per deliverables basis (enclosed)
<b>Payment Terms</b>	: Lumpsum

## **Background**

The Government of India has received financing from the World Bank towards the cost of the Uttarakhand Disaster Preparedness and Resilience Project (U-PREPARE). The project aims to enhance the resilience of critical infrastructure in the state of Uttarakhand, with a particular focus on bridge construction to ensure safe and reliable connectivity in disaster-prone and hilly regions.

To ensure structural safety and technical soundness of the proposed bridges under the project, the Project Implementation Unit (PIU-PWD, U-PREPARE) intends to engage an Individual Design Consultant for proof checking and review of bridge DPRs, design calculations, and drawings submitted by DPR/EPC consultants.

## **Objective**

The primary objective of this assignment is to engage a highly qualified and experienced Bridge Design Consultant to provide technical expertise for proof checking, validation, and certification of bridge designs proposed under U-PREPARE.

The consultant shall review the bridge DPRs (for both Item Rate and EPC contracts), verify design safety and stability as per relevant IRC codes, update the design as required, and issue Bridge Design Safety Certificates to ensure that all structures are technically sound and compliant with the prescribed standards.

## **Scope of Work:**

- a) Proof checking and updating Detailed Project Report (DPR) for item rate contract Bridges & issue bridge design safety certificate**
  - i) To prepare bridge Model in design software (Staad, Madas, Sap etc.) or prepare design excel sheets on the basis of General Arrangement Drawing (GAD) in DPR
  - ii) Check design safety & stability as per IRC codes.
  - iii) If any structure member is unsafe, correct the design and incorporate the design calculation & drawing in DPR.
  - iv) Issue the design safety certificate for corrected design & drawings.
- b) Review & share the Observations on Detailed Project Report (DPR) for EPC contract Bridges & issue bridge design safety certificate after getting the corrected Detailed Project Report (DPR) from EPC designer.**
  - i) To review the Design & drawings submitted by the EPC contractors.
  - ii) Check design safety & stability as per IRC codes.
  - iii) Share the Observations/Corrections required as per relevant IRC codes in design & drawings.
  - iv) Issue the design safety certificate after getting the corrected design & drawings from EPC designer.
- c) Proof checking of specific components of bridges as required during construction.**
  - i) Proof checking of Retaining structures/ Protection structure/Approach road features as per relevant IRC codes.
  - ii) Proof checking of bridge erection drawing or Launching scheme as per relevant IRC codes.
  - iii) Proof checking of Shop Drawing of steel Super-structure.
  - iv) Proof checking of bearing design as provided by supplier/manufacturer
- d) Site visit if required.**

## **Individual Design Consultant – Minimum Qualification and Experience**

### **a. Minimum Educational Qualification**

- Postgraduate degree (M.Tech or equivalent) in Structural Engineering from a recognized university/institution.

### **b. Work Experience**

- Minimum 8 years of professional experience in bridge design and structural analysis as per relevant IRC codes.
- Proven experience in the preparation, review or proof checking of Detailed Project Reports (DPRs) for a minimum of 15 major bridges, carried out individually. (Proof of such assignments, duly certified by the concerned authority, shall be attached.)
- Experience in the design and construction of at least 5 major bridges in hilly and/or seismic regions as per relevant IRC codes and MoRTH specifications.

### **Payment Condition:**

- Payments shall be made as per the deliverables specified in the EOI. The Consultant shall quote rates for each deliverable, and payments will be released accordingly upon submission of a valid invoice and verification and acceptance of the work by PIU-PWD, U-PREPARE.

### **Duration and Commencement of Assignment**

- The total duration of the consultancy shall be twelve (12) months from the date of signing of the contract.
- The date of commencement of services shall be within seven (07) days from the date of signing of the contract.

### **Terms and Conditions: -**

#### **• Modification or Variation: -**

Any modification or variation of the terms and conditions of this Agreement, including any modification or variation of the scope of the work or time or cost, may only be made by written agreement between the Parties through amendment/modification. However, each Party shall give due consideration to any proposals for modification or variation made by the other Party.

#### **• Additional Services: -**

The Consultant shall, if so, required by the client, provide any additional services at rates or man-month rates as per agreement, or as mutually agreed upon, as a variation order.

#### **• Change of Law clause:-**

Program Director /Program Manager U-PREPARE reserve the right to amend/modify/delete/substitute/alter etc. any of the provision of TOR anytime in the Public/Administrative and Project interest.

- **Termination clause:-**

This Agreement may be terminated by either Party as per provisions set up below:

**1) By the Client:-**

1.1 The Client may terminate this Agreement in case of the occurrence of any of the events specified in paragraphs (a) through (d) of this Clause. In such an occurrence the Client shall give at least thirty (30) calendar days' written notice of termination to the Consultant.

- a. If the Consultant fails to remedy a failure in the performance of its obligations hereunder, as specified in TOR.
- b. If the Consultant becomes insolvent or bankrupt or enter into any agreements with their creditors for relief of debt or take advantage of any law for the benefit of debtors or go into liquidation or receivership whether compulsory or voluntary.
- c. If the Client, in its sole discretion and for any reason whatsoever, decides to terminate this Agreement.
- d. Furthermore, if the Client determines that the Consultant has engaged in Fraud and Corruption in competing for or in executing the Agreement, then the Client may, after giving fifteen (15) calendar days written notice to the Consultant, terminate the Consultant's employment under the Agreement.

**2) By the Consultant:-**

2.1 The Consultant may terminate this Agreement, by not less than thirty (30) calendar days written notice to the Client, in case of the occurrence of any of the events specified in paragraphs (a) through (b) of this Clause.

- a. If the Client fails to pay any money due to the Consultant pursuant to this Agreement and not subject to dispute pursuant to within forty-five (45) calendar days after receiving written notice from the Consultant that such payment is overdue.
- b. If the Client is in material breach of its obligations pursuant to this Agreement and has not remedied the same within forty- five (45) days (or such longer period as the Consultant may have subsequently approved in writing) following the receipt by the Client of the Consultant's notice specifying such breach.

- **Dispute Clause:-**

The dispute in Agreement will be addressed by Program Director, PMU-UPREPARE (Adjudication/Arbitration clause is not applicable).

- **Other Clauses: -**

1. Consultant must assure Correctness and quality of Bridge Design checking and recommendation as per relevant IRC Code.
2. The rates quoted by the Consultant shall be exclusive of GST which will be paid / adjusted by the Employer at the time of payment of the bills of the consultant and shall be deemed to be Inclusive of all other taxes that the Consultant will have to pay for the performance of this Contract. The Employer will perform such duties In regard to the deduction of such taxes at

source (TDS) as per applicable law. The rates of GST at the time of payment of the bills of the Consultant.

3. Consultant must join the online/offline meetings when required.

**2) Expressions of Interest (EOI) must include the following: -**

- a) Submit the CV with educational & work experience as per attached format Annexure-01.
- b) Submit the Detail list of 15 numbers of Major Bridges as per Annexure-02.
- c) Submit the experience certificate of such assignments, duly certified by the concerned authority.
- d) *Interested consultants (including firms)* has to submit the GST number. In case of non-availability of GST number, a declaration has to be submitted along with the proposal with a condition that they must avail the GST numbers if get selected.
- e) Submit the rates in Quotation Performa for Individual Design Consultant-Bridge attached in Annexure-03 in separate sealed envelope.
- f) The EOI should contain sufficient supporting document to substantiate the claim of the Individual Design Consultant towards their qualification as per the shortlisting criteria.

*Final Selection process of Individual Design Consultant will be done after the carefully scrutinization of the documents submitted by the various interested consultants shortlisting would be done according to point no. B mentioned above. The award for Individual Design Consultant would be given according to comparative lowest cost effectiveness based on annexure-03 as proposed by the interested Consultants.*

*The attention of interested consultants (including firms) is drawn to the World Bank's latest "Procurement Regulations for IPF Borrowers", which set forth the World Bank's policy on Conflict of Interest.*

*Further information can be obtained at the address below during office hours between 10:00 AM to 05:00 PM.*

*Expression of Interest must be delivered in a written form to the address below (in person, or post only, no other means shall be accepted) by **15/01/ 2026 at 05:00 PM.***

to:

**PROJECT IMPLEMENTATION UNIT**

**The World Bank Assisted**

**UTTARAKHAND DISASTER PREPAREDNESS AND RESILIENCE PROJECT (U-PREPARE), INDIA**

**Attn: Shri. Vineet Kumar, Program Manager, PIU-PWD, U-PREPARE.**

**5<sup>th</sup> Floor, USDMA Building, 36 IT Park, Sahastradhara Road,**

**Dehradun, Uttarakhand-PIN: -248013**

**Contact No:- 9411166945, 9759001154**

**email: piupwd@ukdisasterrecovery.in**

**Website: www.u-prepare.com**

### Annexure-1

### TEMPLATE FOR CURRICULUM VITAE (CV)

<b>Name of Expert:</b>	
<b>Date of Birth:</b>	
<b>Country of Citizenship/Residence:</b>	

#### **Education:**

<b>Year of Passing</b>	<b>Qualifications (M-tech/M. E/MSc-Structural engineering &amp; B-tech/B. E in civil engineering)</b>	<b>Name of the Institution/college</b>	<b>Grade/ Percentage/ CGPA</b>

**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, 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.}

<b>Period</b>	<b>Employing organization and your title/position. Contact information for references</b>	<b>Country</b>	<b>Summary of activities performed relevant to the Assignment</b>

**Membership in Professional Associations and Publications:**

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

.....

**Adequacy for the Assignment:**

<b>Reference to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks</b>

**Expert's contact information:** (e-mail ..... Phone no.....)

**Certification:**

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience, and I am available, as and when necessary, to undertake the assignment in case of an award. I understand that any misstatement or misrepresentation described herein may lead to my disqualification or dismissal by the Client, and/or sanctions by the Bank.

{day/month/year}

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Name of Expert

Signature

Date

**Annexure -2**

**List of 15 Numbers of major bridges designed for any PSU or state/central Government.**

<b>Sr. No.</b>	<b>Name of Bridge</b>	<b>Type of Bridge</b>	<b>Span length</b>	<b>Name of Client</b>
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

**Annexure-3**

**Quotation Performa for Individual Design Consultant-Bridge (Deliverables basis)**

<b>Sr No</b>	<b>Items</b>	<b>Major Activity</b>	<b>Quantity (Lump Sum)</b>	<b>Rates of Major Activity (Excluding GST)</b>	<b>Total Amount</b>	<b>Sub Activities involved but not limited to following</b>
<b>1</b>	<b>2</b>	<b>3</b>				<b>5</b>
1	<b>Bridge Work</b>	1) Proof checking of Shallow Foundation as per relevant IRC codes	8			Checking of Bore log data & Geotechnical report.
		2) Proof checking of deep foundation as per relevant IRC codes				Checking of Hydrological Data.
		3) Proof checking of substructure based on relevant IRC codes	16			Design checking of shallow foundation
		4) Proof checking of super-structure upto 60 Mtr Span based on relevant IRC codes			Checking of Bore log data & Geotechnical report.	
		5) Proof checking of super-structure above 60 Mtr Span based on relevant IRC codes			8	Checking of Hydrological Data.
2	<b>Protection Work of Bridge</b>	1) Proof Checking of retaining walls, breast walls, gabion structures, toe walls, and drainage arrangements etc. design & drawings.	16			Design checking of shallow foundation
						Design checking of Abutment/ Pier shaft.
2	<b>Protection Work of Bridge</b>		16			Design checking of Abutment/ Pier cap.
						Design checking of RCC/ PSC/ Steel Girder or Truss.
2	<b>Protection Work of Bridge</b>		8			Design checking of Deck slab.
						Design checking of RCC/ PSC/ Steel Girder or Truss.
2	<b>Protection Work of Bridge</b>		8			Design checking of Deck slab.
						Complete Design checking of all protection structures associated with bridge approaches and adjoining hill slopes in accordance

	2) Proof checking of geotechnical and slope protection including shotcrete, rock anchors, SDA, wire mesh, and drainage provisions etc. design & drawing	3			with relevant IRC and BIS codes.
3  <b>Miscellaneous Works</b>	1) Proof checking of bridge erection drawing or Launching scheme.	10			checking of erection methodology checking of stress reversal in members.
	2) Proof checking of shop Drawing of steel Super-structure	10			checking of camber profile as per IRC code checking of connection details.
	3) Proof checking of bearing design as provided by supplier/ manufacturer	10			checking of bearing arrangement plan. checking of bearing design calculation.
	4) Proof checking of connection joints.	10			checking of connection design calculation.
	5) Site visit charges per day, if required, inclusive of boarding and lodging etc. (Vehicle for site visit will be provided from Dehradun by the Employer)	10			
<b>Total Amount Excluding GST</b>					
<b>Amount of GST @ .....%</b>					
<b>Total Amount Including GST</b>					

**Note:**

**• Variation in Quantity / Scope:**

Any addition or reduction in quantity shall be considered on a pro-rata basis without any price adjustment or escalation. The revised cost shall be incorporated through an amendment to the contract with mutual consent of both parties (Client and Consultant). Additional services, if required, shall be provided at the existing contractual rates or as mutually agreed.

• The maximum time to complete any activity shall not exceed 05 days. In case of delay, the Consultant shall inform the PIU with valid reasons. If the reasons are not found acceptable, a deduction of 0.5% per day (maximum up to 5% of payment for that activity) shall be imposed.