

## **Annexure-A**

**Expression of Interest (EOI) for Empanelment of Architects/Structural Engineers/Quantity Surveyors for providing Comprehensive/Individual Consultancy services to HPPWD and other Departments for Building projects and for Empanelment of Highway Engineers /Structural/Bridge Engineers/Geotechnical Engineers/Quantity Surveyors/ Consultancy Firms for providing Comprehensive/Individual Consultancy services to HPPWD for Road and Bridge projects.**

Expression of Interest (EOI) is invited from qualified Architects/Structural Engineers/Highway Engineers/Structural/Bridge Engineers/ Geotechnical Engineers/Quantity Surveyors/ Consultancy Firms for providing comprehensive/individual consultancy services to HPPWD for carrying out the detailed survey and soil/geotechnical investigation of the project site, preparation of the contour site plans/alignment plans, preparation of the architectural drawings, detailed structural/pavement designs & drawings based on latest IS/IRC Codes including seismic criteria using latest software, complete DPRs of the Building, Road, and Bridge projects based on HPSR/CPWD SoR incorporating latest related guidelines including Energy Conservation Building Code & Solar Passive buildings / MoRTH guidelines as per scope of specific work.

### **Empanelment Categories:-**

The empanelment categories shall be as under:-

**Category-A :** For projects costing more than Rs 15 crore.

**Category-B:** For projects costing more than Rs 5 crore up to Rs 15 crore.

**Category-C :** For projects costing up to Rs 5 crore.

### **Empanelment for Building Works:**

- (i) In case of Architect applying for empanelment, he shall have to associate himself with a qualified Structural Engineer and a qualified Quantity Surveyor who qualify the work experience and eligibility criteria mentioned herein and shall have to submit documentary proof to this effect at the time of submission of application for empanelment.
- (ii) In case of Structural Engineer applying for empanelment, he shall have to associate himself with a qualified Architect and a qualified Quantity Surveyor who qualify the work experience and eligibility criteria mentioned herein and shall have to submit documentary proof to this effect at the time of submission of application for empanelment.

- 2
- (iii) In case of Quantity Surveyor applying for empanelment, he shall have to associate himself with a qualified Architect and a qualified Structural Engineer who qualify the work experience and eligibility criteria mentioned herein and shall have to submit documentary proof to this effect at the time of submission of application for empanelment.
  - (iv) In case of registered consultancy firm applying for empanelment, it shall have to associate itself with the qualified Architect, Structural Engineer and Quantity Surveyor who qualify the work experience and eligibility criteria mentioned herein and shall have to submit documentary proof to this effect at the time of submission of its application for empanelment.

**Validity of Empanelment:** - The empanelment shall be initially valid for a period of 3 years from the date of empanelment and can be renewed upto maximum period of 5 years subject to satisfactory performance.

#### **Empanelment for Roads & Bridge Works:**

- (i) In case of Highway Engineer applying for empanelment, he/she shall have to associate himself with a qualified Structural/Bridge Engineer, Geotechnical Engineer and Quantity Surveyor who qualify the work experience and eligibility criteria mentioned herein and shall have to submit documentary proof to this effect at the time of application for empanelment.
- (ii) In case of Structural/Bridge Engineer applying for empanelment, he/she shall have to associate himself with a qualified Highway Engineer, Geotechnical Engineer and Quantity Surveyor who qualify the work experience and eligibility criteria mentioned herein and shall have to submit documentary proof to this effect at the time of application for empanelment.
- (iii) In case of Geotechnical Engineer applying for empanelment, he/she shall have to associate himself with a qualified Highway Engineer, Structural/Bridge Engineer and Quantity Surveyor who qualify the work experience and eligibility criteria mentioned herein and shall have to submit documentary proof to this effect at the time of application for empanelment.
- (iv) In case of Quantity Surveyor applying for empanelment, he/she shall have to associate himself with a qualified Highway Engineer, Structural/Bridge Engineer and Geotechnical Engineer who qualify the work experience and eligibility criteria mentioned herein and shall have to submit documentary proof to this effect at the time of application for empanelment.
- (v) In case of registered consultancy firm applying for empanelment, it shall have to associate itself with the qualified Highway Engineer, Structural/Bridge Engineer, Geotechnical Engineer and Quantity Surveyor who qualify the work experience and eligibility criteria mentioned herein and shall have to submit documentary proof to this effect at the time of its application for empanelment.

**Validity of Empanelment:** - The empanelment shall be initially valid for a period of 3 years from the date of empanelment and can be renewed upto maximum period of 5 years subject to satisfactory performance.

## **SCOPE OF WORK FOR BUILDING WORKS:**

### **(A) AT PLANNING STAGE OF BUILDING PROJECT**

#### **PHASE I**

#### **INITIAL SURVEY & CONCEPTUALIZATION**

##### *1. Topographical Survey & Site Mapping*

- Site Survey: To carry out a survey of the site by Total Station after obtaining the authentic revenue papers from the client department related to the project site, duly issued by the competent authority.
- Contour & Utility Mapping: Preparing the contour site plan. All existing site details including the position of underground/over ground utilities, trees, and existing structures must be depicted clearly in the contour site plans. This enables the preparation of architectural drawings in an optimum manner.

##### *2. Sketch Designs & Conceptual Drawings*

- Conceptualization: To prepare sketch/conceptual drawings which shall include all proposed components of the project: approach roads, retaining structures, building portions, landscape portions, location of the waste disposal management system, and rain harvesting system.
- Site Integration: Incorporate internal roads, surface drainage, solar movement, and orientation as per site requirements, including the likely shifting of existing underground/overground utilities.
- Scheme Guidelines: Ensure all guidelines of the scheme under which the project is being proposed are fully incorporated into the concept.
- Presentations & Approvals: Present the sketch drawings/conceptual designs, carry out necessary revisions until they are approved by the competent authority/Architect wing.

##### *3. Statutory Approvals (Initial Stage)*

- To submit the architectural drawings and seek approval from urban local bodies/TCP (as the case may be) with the assistance of HPPWD and the client department in completing documentation formalities.

#### **PHASE II:**

#### **DETAILED ARCHITECTURAL DRAWINGS AND VETTING**

##### **1. Detailed Drawings and specifications**

- 2
- **Comprehensive Planning:** To prepare and supply detailed Architectural working drawings, including master plans, line plans, detailed plans, elevations/sectional elevations, and 3D views/walkthroughs.
  - **Civil & External Works:** Detailed working/GFC drawings for civil work, including site development, retaining structures, approach roads, waste disposal management systems, rainwater harvesting design, plumbing layouts, bathroom fixtures, solar heaters, storage tanks, flooring, stairs, joinery, and roof details. **Specifications:** To draw and submit to HPPWD the detailed specifications for Civil, Electrical Installation works, specialized E&M works, Horticulture work, etc. These must be approved by the competent authority.
  - **MEP & Specialized Services:** Working/GFC drawings for Electrical Installations and specialized E&M work considering requisite power load. Detailed designs for fire safety systems, HVAC/Ventilation/Mechanical systems, Electronics Communication Systems, lifts, elevators, escalators, and solar passive architecture systems.
  - **Horticulture:** Working/GFC drawings for horticulture-related work as per project requirements.

## **2. Vetting**

All working/GFC drawings/specifications must be approved/vetted by the concerned wing of the department and the Architectural Wing of HPPWD.

## **PHASE III**

### **SOIL INVESTIGATION, STRUCTURAL DRAWINGS**

#### *1. Detailed Soil & Geotechnical Investigation*

- **Investigation & Testing:** Carrying out detailed soil investigation, including determination of the safe bearing capacity of the soil, taking into account all prevailing site conditions to minimize the possibility of alterations in structural design later.
- **Compliance & Methodology:** Reference to relevant IS Codes (like IS 6403:1981, IS 1888:1982, etc.) and assumptions made must be clearly depicted with detailed calculations. The consultant shall obtain instructions from the employer regarding methodology and data presentation.

#### *2. Structural Design & Vetting*

- To work out and submit the detailed structural designs and drawings of the building, utilizing the data from the soil investigation, duly vetted by any of the NITs / IITs or PEC Chandigarh (or similar government institutes). All design and drawings must be approved/vetted by the concerned design wing of the department.

## PHASE IV

### DPR PREPARATION

#### 1. *Final DPR Compilation & Submission*

- To prepare and submit the Detailed Project Report (DPR) consisting of 5 hard copies and a soft copy, based on the finalized Architectural and Structural designs/drawings, to the entire satisfaction of the Client department/HPPWD. Prepare detailed measurements and Rate Analysis with market rates justification (if any), taking into account actual site conditions.
- The detailed estimates of the work for civil/electrical/horticulture components shall be approved by the competent authority of HPPWD.

### (B) AT CONSTRUCTION STAGE

## PHASE V

### Services during construction stage

#### 1. Architect

- *Periodic Site Supervision & reporting:* To make 5 mandatory site visits by the Architectural consultant during the construction stage at mutually agreed periodical intervals with the Engineer-in-Charge. This ensures the site proceeds in accordance with the contract documents/drawings/specifications. Submit a site visit report to HPPWD within 7 days of the visit, substantiated with site photographs and related documentation. Provide clarifications on drawing/specification interpretations as required by the Engineer-in-Charge.
- *Specialist Coordination:* To associate further with a Landscape Architect, MEP consultant, and Acoustical Consultant as per the specific requirements of the project.
- *Drawing Revisions:* To submit revised architectural drawings during execution due to unprecedented site constraints or changes requested by the client department.

#### 2. Structural Engineer

- *Design Revisions:* To submit revised Structural drawings/structural designs during execution due to unprecedented site constraints or changes requested by the client department.

#### 3. Architect/Structural engineer/Quantity Surveyor

- *General Services:* To provide any other services normally rendered by the Architect/Structural Engineer/Quantity Surveyor not explicitly referred to above.

## (C) POST CONSTRUCTION STAGE

### PHASE VI

#### 1. *Certifications and built up Drawings*

- Certification : To get the Green building rating from the approved agency or to make the building ECBC compliant, if required.
- *As-Built Drawings*: To submit 3 sets of "As-built" drawings to HPPWD after the completion of the project.

### SCOPE OF WORK FOR ROADS AND BRIDGE WORKS:

#### Preparation of DPRs

##### (1) Design of Road works and preparation of their DPRs:-

- (a) The Consultants shall carry out detailed Engineering Surveys including Topographical Survey (using Total Station), Longitudinal Sections, Cross-sections, Material & Quarry Surveys, and Traffic Census as per relevant IRC/MoRD/MoRTH specifications.
- (b) The consultants shall ensure that roads to be constructed under NABARD/CRIF/State must have proper embankment and drainage. Adequate number and type of Cross Drainage (CD) works, including causeways, where appropriate, must be provided based on site requirements ascertained through necessary investigations. Minor bridges (of span upto 15 mtrs.) may be provided where necessary. In case the length of an individual bridge exceeds 15m, a separate DPR shall be prepared by separately appointed bridge consultant after site inspection jointly by the Consultant along with the Superintending Engineer and competent authority.

The Consultant will prepare the DPRs of such road-works as per the guidelines of scheme of work such as NABARD/CRIF/PMGSY/State works duly following relevant IRC/MORD/MORTH specifications.

Reference may be made to IRC SP 19 and provisions may be complied with.

##### (2) Preparation of Bridge DPRs:- (*Bridge of span upto 15 mtrs will be part of Road DPR and nothing extra shall be paid, for span beyond 15 mtrs-separate DPR by Bridge consultant shall be prepared.*)

Reference may be made to IRC SP 54 and IRC 5 and provisions may be complied with.

##### (a) *Hydraulic Survey and Hydrological Investigations:-*

Hydraulic survey using total station and hydrological investigation shall be conducted as per relevant IRC standards for all proposed bridges over Nallah/ stream/ river crossing in the road alignment. The Consultant shall carry out desk study of available data on topography, storm duration, rainfall statistics etc, so as to assess the catchment areas and hydraulic parameters for all proposed bridges. The findings of the desk study would be further supplemented and augmented by a reconnaissance along the area.

The Consultant shall collect information on high flood level (HFL), low water level (LWL), discharge velocity etc, from available past records, local inquiries and visible signs, if any, on structural components and embankments. Local inquiries shall also be made with regard to the road sections getting overtopped during heavy rains. The consultants shall finalize hydraulic particulars including design discharge, linear waterway, scour depth etc. based on realistic figures.

(b) *Geotechnical Investigations and Sub-soil Exploration for Bridges:-*

The Consultant shall carry out geo-technical investigations and subsurface explorations for the proposed bridges and any other location as necessary for proper design of the bridge works and conduct all relevant laboratory and field tests on soil and rock samples. The Consultant shall finalize such requirements for the geotechnical investigations in consultation with the Employer at Commencement Report stage. The report should be presented as per IRC:78 along with log charts.

The scheme for boring locations and depth of boring and other investigation requirements shall be prepared by the Consultant and submitted to the Employer for approval before starting the work.

(c) *Design of Bridges and Structures:-*

- (i) Permanent reference points may be marked/fixed on ground and be referred in GAD and log charts.
- (ii) The Consultant shall prepare General Arrangement Drawings (GAD) and alignment plan showing salient features of the structures proposed to be constructed/re-constructed along the project road and identify cost effective options.
- (iii) Identify the requirement of approaches, protection works, if any, and optimum cost.
- (iv) The GAD for new bridges shall be supplemented by preliminary designs. In respect of span arrangement and type of new bridge a few alternatives and cost-benefit implications should be submitted to enable Employer to approve the best alternative.
- (v) Subsequent to approval of the GAD and alignment plan by the Employer the Consultant shall carry out sub-soil exploration under each pier & abutment and testing as per the requirements of relevant IRC codes/ Ministry guidelines should be carried out either directly by the Consultant or through sub-soil consultant with prior approval of the Employer. The soil testing reports shall be in the format prescribed in relevant IRC codes and prepare detailed designs and working drawings for all the components of the bridges and structures. The Consultant shall furnish the design and working drawings for suitable protection works and /or river training works wherever required. The designs shall be carried out and presented in detail with cross references, supporting data, detailed geotechnical data, sketches and input/ output data in case of analysis through a structural analysis package. All the design calculations should be clear and legible and be fully cross referenced. The designs, drawings should be signed and dated by the Bridge Design Engineer and Key Personnel in charge of structural design. Further, the designs, drawings shall be got vetted by IIT/NIT/other reputed government institutes. Without this the structural designs, drawings shall not be accepted by the Employer. The sequence of

8

construction, detailed specification of material, acceptance criteria, bar bending details with inventory should also be enclosed.

- (vi) The consultants, based on their experience, shall recommend use of pre-cast alternatives wherever possible for speedy and quality construction. The designs proposed shall fully conform to the international standards but at the same time shall be the most economical.
  - (vii) The Consultant shall carry out the design and make suitable recommendations for protection works and/ or river training works for bridges and drainage structures with reference to IRC:89 or any other IRC/IS Publication.
- (3) Scrutiny of DPRs by competent authority, preparation of Bidding Documents, Making subsequent changes in Working Drawings/Designs to suit variations in field conditions:

The Consultant, after preparation of the DPRs as mentioned in Paras above, will get them scrutinized by the concerned competent authority. After clearance of the proposal from the competent authority, the consultant will also prepare the Bidding Documents in consultation with the respective authority. During the construction of the road or bridge, if any variation is observed in the actual field condition with respect to the condition mentioned in the DPR, the Consultant will make necessary changes in the designs and drawings for obtaining sanctions to the changes by the competent authority.

Preparation of Bidding Documents shall be as per requirements under PMGSY/NABARD/CRIF/State guidelines and to the satisfaction of the Employer.

**Facilities:**

The consultant will have to make his own arrangements for office, utilities, accommodation and transport and should include cost of all these elements in his Financial Offer.

**Reports:**

*Stage-1:*

**Inception Report**

The consultant is required to submit his inception report within 15 days of award of work. The report shall cover the following

- Project preparation
- Detailed methodology to meet the requirement of TOR including number of teams mobilized for deployment, scheduling of various activities to be carried out for completion of different stages of works within the stipulated time schedule.
- Task assignment and work schedule
- Work Programme
- Performa for data collection
- Key personnel to be employed

- Time frame for submission of various reports

The consultant shall carryout the modification if required in the inception report. The approval of inception report will generally be given within 15 days of its submission

#### *Stage-2:*

##### Preliminary project

- Hydraulic data for Bridge.
- General Arrangement drawing of RCC/PSC/any other type bridge, indicating the Span arrangement and levels.
- Details of existing structure, if any and report about their functioning.
- Alignment Plan showing horizontal and vertical details as per IRC for approach roads & protection works needed
- Shifting of Utility Services
- Collecting field data for preparation of DPRs of road-works

#### *Stage-3:*

##### Detail Project Report (DPR)

##### VOLUME – 1

- Executive Summary.
- Project Description.
- Sub-soil/ Soil Investigation.
- Investigation for materials including borrow area soil.
- Philosophy of high embankment design.
- Pavement design and cross sectional elements.
- Drainage facilities including culverts on approaches.
- Miscellaneous items such as protective works, River training works, etc.
- Construction programme.
- Conclusions and recommendations

##### VOLUME – II

Design calculations for Roads/Bridge components, pavements, retaining structure and miscellaneous items etc.

##### VOLUME- III

Bill of Quantities, items rates and estimate.

##### VOLUME- IV

Technical specifications

##### VOLUME - V

Drawing Site Plan, Working/GFC drawing for roads/bridges, pavement design, retaining structure protection works, etc. Cross-section showing pavement details of approach road,

10  
detailed drawings for culverts, and other structures. Any other drawing considered relevant.

All changes, modifications, or revisions in the design and drawings—particularly those necessitated by variations between initial assumptions and actual site conditions or geotechnical investigations shall be carried out by the consultant to the complete satisfaction of the client. It is strictly mandatory that the consultant assumes full responsibility for the entire revision cycle. This includes preparing the revised designs/drawings, actively facilitating the mandatory proof-checking process, and securing the final re-approval from the competent authority.

Whenever deemed necessary by the client, the physical presence of the principal designer in the client's office to resolve design issues is mandatory. Furthermore, the consultant must submit all native design data, software models, and detailed calculation sheets; withholding design data is strictly prohibited. These modifications and subsequent approvals shall be secured within one month of the instructions by the client.

#### VOLUME - VI

DPRs must be prepared in all respect i.e., DPRs of bridges upto 15 m is part of road DPRs and for Long Bridges of more than 15m span, separate DPR shall be prepared by separate bridge consultant and MoRTH/MoRD specifications/guidelines/policy circulars in this regard must be followed.

#### VOLUME - VII

Technical Sanction and Working Estimates.

#### VOLUME - VIII

Standard Bid Document along with BoQ as per relevant scheme.

### REPORTS AND DOCUMENTS TO BE SUBMITTED BY THE CONSULTANT

The consultant shall submit to the employer the following reports and documents after completion of each stage of work in the number of copies indicated against each stage for each lot of the assignment awarded.

| Sl. No. | Activity                                                                                            | No. of copies |
|---------|-----------------------------------------------------------------------------------------------------|---------------|
| 1       | Site mobilization including Inception report                                                        | 2 + soft copy |
| 2       | Preliminary Project report including details of drawings of structures viz RCC Culverts/Bridge etc. | 3 + soft copy |

11

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|---|------------------------------------------------------------|---------------|
| 3 | Detailed Project Report and working drawings (Draft Final) | 6 + soft copy |
| 4 | Bid Documents with BOQ                                     | 2 + soft copy |

The consultancy services, including mandatory site visits and design revisions, shall proceed in tandem with the physical execution and progression of the project at the site.

In the event of foreclosure, abandonment, or cancellation of the scheme by the Client at any stage, the payment to the consultant shall be restricted strictly to the milestones successfully completed and approved up to the date of foreclosure, as per the payment schedules. The consultant shall hand over all native design data and drawings completed up to that stage. No claims for anticipated profits, idle time, or unexecuted stages shall be entertained.

### QUALIFICATION AND EXPERIENCE CRITERIA

The Architect /Structural Engineer/ Highway Engineer/ Structural/Bridge Engineer/Geotechnical Engineer/ Quantity Surveyor/Consultancy Firms applying for empanelment should have extensive experience of work in hill area/hill states in the works of appropriate magnitude w.r.t. respective category as mentioned above for empanelment. Minimum qualification and work experience criteria shall be as under:-

For Building Works:-

| Empanelment category | For Consultant Architects |          | For Structural Engineers |                      | For Quantity Surveyors (civil) |                 | For Firms                                                                                                                                                                                    |
|----------------------|---------------------------|----------|--------------------------|----------------------|--------------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Qualification        | B. Arch.                  | M. Arch. | B. Tech. (civil)         | M. Tech. (structure) | B. Tech. (civil)               | Diploma (civil) | The Consultancy Firms shall associate with the Architect, Structural Engineer, and Quantity Surveyors with equivalent qualification and work experience as per the category of registration. |
| Category -A          | 15 yrs                    | 12 yrs   | 15 yrs                   | 10 yr                | 15 yrs                         | 25 yrs          |                                                                                                                                                                                              |
| Category -B          | 12 yrs                    | 10 yrs   | 12 yrs                   | 7 yr                 | 12 yrs                         | 18 yrs          |                                                                                                                                                                                              |
| Category -C          | 10 yrs                    | 7 yrs    | 7 yrs                    | 5 yrs                | 7 yrs                          | 10 yrs          |                                                                                                                                                                                              |

For buildings involving specialized services, the following criteria should also be met with by the consultants:-

For all specialized services such as electrical, air conditioning and HVAC, the consultant shall have to associate with specialized experts holding a minimum educational qualification of Degree/Diploma (Electrical) and possessing at least 7/10 years of professional work experience respectively in their specific domain. For, Waterproofing, Termite Treatment, Waste Management, Horticulture/ Landscaping etc, the Consultant must associate with competent experts or agencies of repute.

For Road/Bridge Works:-

| Empanelement category | For Highway Engineers |                                   | For Structural/Bridge Engineers |                              | For Geotechnical Engineers |                    | For Quantity Surveyors (civil) |                 | For Firms                                                                                                                                                                                                                         |
|-----------------------|-----------------------|-----------------------------------|---------------------------------|------------------------------|----------------------------|--------------------|--------------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Qualification         | B. Tech. (Civil)      | M. Tech. (Transportation/Highway) | B. Tech. (civil)                | M. Tech. (Structures/Bridge) | B. Tech. (Civil)           | M. Tech. (Geotech) | B. Tech. (Civil)               | Diploma (Civil) | The Consultancy Firms shall associate with the Highway Engineer, Structural/ Bridge Engineer, Geotechnical Engineer and Quantity Surveyors with equivalent qualification and work experience as per the category of registration. |
| Category -A           | 15 yrs                | 12 yrs                            | 15 yrs                          | 10 yr                        | 15 yrs                     | 10 yr              | 15 yrs                         | 25 yrs          |                                                                                                                                                                                                                                   |
| Category -B           | 12 yrs                | 10 yrs                            | 12 yrs                          | 7 yr                         | 12 yrs                     | 7 yr               | 12 yrs                         | 18 yrs          |                                                                                                                                                                                                                                   |
| Category -C           | 10 yrs                | 7 yrs                             | 7 yrs                           | 5 yrs                        | 7 yrs                      | 5 yrs              | 7 yrs                          | 10 yrs          |                                                                                                                                                                                                                                   |

**Note:-** All equivalent degrees in terms of graduation /post graduation in Engineering are valid.

**TECHNICAL ELIGIBILITY CRITERIA FOR BUILDING WORKS:**

| Category   | Architect                                                                                                                                                                                                                                                                                     | Structural Engineers                                                                                                                                                                                                                                                                                                                                                                          | Quantity Surveyors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Category-A | Should have successfully provided architectural consultancy services for completed building project(s) of Govt./Public sector undertakings/any other reputed organization within last 5 years as on the last day of the application submission. The cost of such work(s) shall be as follows: | Should have successfully provided structural design consultancy work for completed building projects of Govt./Public sector undertakings/any other reputed organization within last 5 years by using latest IS codes and structural analysis software's like <b>ETABS, STAAD PRO, RAPT,SAP 2000, RAPT, Tribby 3D, RAM Concept and Strand 7etc.</b> The cost of such works shall be as under:- | Should have thorough knowledge of control of cost on construction project, cost planning, valuation and cost estimation. Should have skill in preparation of the detailed estimates from working drawings/designs/sketches and specifications as prepared by the architects/engineers in order to prepare tender document, BOQ using latest software. He should have provided the consultancy services as Quantity Surveyor in building projects under Govt. /Public sector undertaking and any other reputed organizations. within last 5 years The cost of such works shall be as under:- |

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|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|             | <p>One project costing Rs 15.00 cr or more</p> <p><b>Or</b></p> <p>Two projects each costing Rs 9.00 or more</p> <p><b>Or</b></p> <p>Three projects each costing Rs 7.50 cr or more</p> <p>Provided further that at least one completed project should be in hilly state/state of HP.</p>                                                                            | <p>One project costing Rs 15.00 cr or more</p> <p><b>Or</b></p> <p>Two projects each costing Rs 9.00 or more</p> <p><b>Or</b></p> <p>Three projects each costing Rs 7.50 cr or more</p> <p>Provided further that at least one completed project should be in hilly state/state of HP.</p>                                                                                                                                                                             | <p>One project costing Rs 15.00 cr or more</p> <p><b>Or</b></p> <p>Two projects each costing Rs 9.00 or more</p> <p><b>Or</b></p> <p>Three projects each costing Rs 7.50 cr or more</p> <p>Provided further that at least one completed project should be in hilly state/state of HP.</p>                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Category -B | <p>Should have successfully provided architectural consultancy services for completed building project(s) of Govt./Public sector undertakings/any other reputed organization within last 5 years as on the last day of the application submission. The cost of such work(s) shall be as follows:</p> <p>One project costing Rs 12.00 cr or more</p> <p><b>Or</b></p> | <p>Should have successfully provided structural design consultancy work for completed building projects of Govt./Public sector undertakings/any other reputed organization within last 5 years by using latest IS codes and structural analysis software's like <b>ETABS, STAAD PRO, RAPT, SAP 2000, RAPT, Tribby 3D, RAM Concept and Strand 7etc.</b> The cost of such works shall be as under:-</p> <p>One project costing Rs 12.00 cr or more</p> <p><b>Or</b></p> | <p>Should have thorough knowledge of control of cost on construction project, cost planning, valuation and cost estimation. Should have skill in preparation of the detailed estimates from working drawings/designs/sketches and specifications as prepared by the architects/engineers in order to prepare tender document, BOQ using latest softwares. He should have provided the consultancy services as Quantity Surveyor in building projects under Govt. /Public sector undertaking and any other reputed organizations. within last 5 years The cost of such works shall be as under:-</p> <p>One project costing Rs 12.00 cr or more</p> <p><b>Or</b></p> <p>Two projects costing Rs 7.50 cr. or more</p> |

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|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|             | <p>Two projects each costing Rs 7.50 cr. or more</p> <p><b>Or</b></p> <p>Three projects each costing Rs 4.50 cr or more.</p> <p>Provided further that at least one completed project should be in hilly state/state of HP.</p>                                                                                                                                                                                                            | <p>Two projects costing Rs 7.50 cr. or more</p> <p><b>Or</b></p> <p>Three projects costing Rs 4.50 cr or more.</p> <p>Provided further that at least one completed project should be in hilly state/state of HP.</p>                                                                                                                                                                                                                                                                                                                       | <p><b>Or</b></p> <p>Three projects costing Rs 4.50 cr or more.</p> <p>Provided further that at least one completed project should be in hilly state/state of HP.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Category -C | <p>Should have successfully provided architectural consultancy services for completed building project(s) of Govt./Public sector undertakings/any other reputed organization within last 5 years as on the last day of the application submission. The cost of such work(s) shall be as follows:</p> <p>One project costing Rs 3.75 cr or more</p> <p><b>Or</b></p> <p>Two projects each costing Rs 2.50 cr. or more</p> <p><b>Or</b></p> | <p>Should have successfully provided structural design consultancy work for completed building projects of Govt./Public sector undertakings/any other reputed organization within last 5 years by using latest IS codes and structural analysis software's like <b>ETABS, STAAD PRO, RAPT, SAP 2000, RAPT, Tribby 3D, RAM Concept and Strand 7etc.</b> The cost of such works shall be as under:-</p> <p>One project costing Rs 3.75 cr or more</p> <p><b>Or</b></p> <p>Two projects each costing Rs 2.50 cr. or more</p> <p><b>Or</b></p> | <p>Should have thorough knowledge of control of cost on construction project, cost planning, valuation and cost estimation. Should have skill in preparation of the detailed estimates from working drawings/designs/sketches and specifications as prepared by the architects/engineers in order to prepare tender document, BOQ using latest softwares. He should have provided the consultancy services as Quantity Surveyor in building projects under Govt. /Public sector undertaking and any other reputed organizations. within last 5 years The cost of such works shall be as under:-</p> <p>One project costing Rs 3.75 cr or more</p> <p><b>Or</b></p> <p>Two projects each costing Rs 2.50 cr. or more</p> <p><b>Or</b></p> |

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Three projects each costing Rs 1.5 cr or more                                              | Three projects each costing Rs 1.5 cr or more                                             | Three projects each costing Rs 1.5 cr or more                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Provided further that at least one completed project should be in hilly state/state of HP. | Provided further that at least one completed project should be in hilly state/state of HP | Provided further that at least one completed project should be in hilly state/state of HP. |
| <p><b>Note: - (i) For empanelment of consultancy firms, the firm shall have to engage the Architect, Structural Engineer and Quantity Surveyor who qualify the above technical eligibility criteria for respective category.</b></p> <p><b>(ii) If any individual applicant fulfils the qualification criteria and technical eligibility criteria for consultancy as Structural Engineer as well as for Quantity Surveyor, in that case he can be empanelled for both classes.</b></p> <p><b>(iii) The experience/work done certificate shall be certified by an officer not below the rank of Executive Engineer for Government works and by CA/Authorised Officer of the Reputed client organisation.</b></p> |                                                                                            |                                                                                           |                                                                                            |

#### TECHNICAL ELIGIBILITY CRITERIA FOR ROAD & BRIDGE WORKS:

| Cate<br>gory | Highway<br>Engineers                                                                                                                                                                                                                                           | Structural/Bridge<br>Engineers                                                                                                                                                                                                                                                                                       | Geotechnical<br>Engineers                                                                                                                                                                                                           | Quantity Surveyors                                                                                                                                                                                                                                                                                                                       |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A            | Should have successfully provided highway geometric alignment and pavement design consultancy work for completed road/highway projects of Govt./Public sector undertakings/any other reputed organization within last 5 years by using latest IRC codes, MoRTH | Should have successfully provided structural design consultancy work for completed bridge/flyover/grade-separator projects of Govt./Public sector undertakings/any other reputed organization within last 5 years by using latest IRC codes (including seismic provisions) and bridge structural analysis software's | Should have successfully provided geotechnical investigation, foundation design, slope stability, and retaining structure consultancy work for completed road/bridge projects of Govt./Public sector undertakings/any other reputed | Should have thorough knowledge of control of cost on construction project, cost planning, valuation and cost estimation. Should have skill in preparation of the detailed estimates from working drawings/designs/alignment plans/sketches and specifications as prepared by the highway/structural engineers in order to prepare tender |

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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|   | <p>specifications, and highway/pavement design software's like <b>MX Road, AutoCAD Civil 3D, Bentley Open Roads, or IITPAVE</b> etc. The cost of such works shall be as under:-</p> <p>One project costing Rs 15.00 cr or more<br/> <b>Or</b><br/> Two projects each costing Rs 9.00 cr or more<br/> <b>Or</b><br/> Three projects each costing Rs 7.50 cr or more</p> <p>Provided further that at least one completed project should be in hilly state/state of HP.</p> | <p>like <b>MIDAS Civil, STAAD PRO, CSi Bridge, RM Bridge, or LUSAS</b> etc. The cost of such works shall be as under:-</p> <p>One project costing Rs 15.00 cr or more<br/> <b>Or</b><br/> Two projects each costing Rs 9.00 cr or more<br/> <b>Or</b><br/> Three projects each costing Rs 7.50 cr or more</p> <p>Provided further that at least one completed project should be in hilly state/state of HP.</p> | <p>organization within last 5 years by using latest IS/IRC codes and geotechnical analysis software's like <b>PLAXIS 2D/3D, Geo Studio (SLOPE/W, SEEP/W), FLAC, or gINT</b> etc. The cost of such works shall be as under:-</p> <p>One project costing Rs 15.00 cr or more<br/> <b>Or</b><br/> Two projects each costing Rs 9.00 cr or more<br/> <b>Or</b><br/> Three projects each costing Rs 7.50 cr or more</p> <p>Provided further that at least one completed project should be in hilly state/state of HP.</p> | <p>document, <b>BOQ</b> using latest software. He should have provided the consultancy services as Quantity Surveyor in road/bridge projects under Govt. /Public sector undertaking and any other reputed organizations within last 5 years. The cost of such works shall be as under:-</p> <p>One project costing Rs 15.00 cr or more<br/> <b>Or</b><br/> Two projects each costing Rs 9.00 cr or more<br/> <b>Or</b><br/> Three projects each costing Rs 7.50 cr or more</p> <p>Provided further that at least one completed project should be in hilly state/state of HP.</p> |
| B | <p>Should have successfully provided highway geometric alignment and pavement design consultancy work for completed road/highway projects of Govt./Public</p>                                                                                                                                                                                                                                                                                                            | <p>Should have successfully provided structural design consultancy work for completed bridge/flyover/grade-separator projects of Govt./Public sector undertakings/any other reputed</p>                                                                                                                                                                                                                         | <p>Should have successfully provided geotechnical investigation, foundation design, slope stability, and retaining structure consultancy work</p>                                                                                                                                                                                                                                                                                                                                                                    | <p>Should have thorough knowledge of control of cost on construction project, cost planning, valuation and cost estimation. Should have skill in preparation of the detailed estimates from working</p>                                                                                                                                                                                                                                                                                                                                                                          |

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| <p>sector undertakings/any other reputed organization within last 5 years by using latest IRC codes, MoRTH specifications, and highway/pavement design software's like <b>MX Road, AutoCAD Civil 3D, Bentley OpenRoads, or IITPAVE</b> etc. The cost of such works shall be as under:-</p> | <p>organization within last 5 years by using latest IRC codes (including seismic provisions) and bridge structural analysis software's like <b>MIDAS Civil, STAAD PRO, CSiBridge, RM Bridge, or LUSAS</b> etc. The cost of such works shall be as under:-</p> | <p>for completed road/bridge projects of Govt./Public sector undertakings/any other reputed organization within last 5 years by using latest IS/IRC codes and geotechnical analysis software's like <b>PLAXIS 2D/3D, GeoStudio (SLOPE/W, SEEP/W), FLAC, or gINT</b> etc. The cost of such works shall be as under:-</p> | <p>drawings/designs/alignment plans/sketches and specifications as prepared by the highway/structural engineers in order to prepare tender document, BOQ using latest softwares. He should have provided the consultancy services as Quantity Surveyor in road/bridge projects under Govt. /Public sector undertaking and any other reputed organizations within last 5 years. The cost of such works shall be as under:-</p> |
| <p>One project costing Rs 12.00 cr or more</p> <p style="text-align: center;"><b>Or</b></p> <p>Two projects costing Rs 7.50 cr. or more</p> <p style="text-align: center;"><b>Or</b></p> <p>Three projects costing Rs 4.50 cr or more.</p>                                                 | <p>One project costing Rs 12.00 cr or more</p> <p style="text-align: center;"><b>Or</b></p> <p>Two projects costing Rs 7.50 cr. or more</p> <p style="text-align: center;"><b>Or</b></p> <p>Three projects costing Rs 4.50 cr or more.</p>                    | <p>One project costing Rs 12.00 cr or more</p> <p style="text-align: center;"><b>Or</b></p> <p>Two projects costing Rs 7.50 cr. or more</p> <p style="text-align: center;"><b>Or</b></p> <p>Three projects costing Rs 4.50 cr or more.</p>                                                                              | <p>One project costing Rs 12.00 cr or more</p> <p style="text-align: center;"><b>Or</b></p> <p>Two projects costing Rs 7.50 cr. or more</p> <p style="text-align: center;"><b>Or</b></p> <p>Three projects costing Rs 4.50 cr or more.</p>                                                                                                                                                                                    |
| <p>Provided further that at least one completed project should be in hilly state/state of HP.</p>                                                                                                                                                                                          | <p>Provided further that at least one completed project should be in hilly state/state of HP.</p>                                                                                                                                                             | <p>Provided further that at least one completed project should be in hilly state/state of HP.</p>                                                                                                                                                                                                                       | <p>Provided further that at least one completed project should be in hilly state/state of HP.</p>                                                                                                                                                                                                                                                                                                                             |

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| C | Should have successfully provided highway geometric alignment and pavement design consultancy work for completed road/highway projects of Govt./Public sector undertakings/any other reputed organization within last 5 years by using latest IRC codes, MoRTH specifications, and highway/pavement design software's like <b>MX Road, AutoCAD Civil 3D, Bentley OpenRoads, or IITPAVE</b> etc. The cost of such works shall be as under:- | Should have successfully provided structural design consultancy work for completed bridge/flyover/grade-separator projects of Govt./Public sector undertakings/any other reputed organization within last 5 years by using latest IRC codes (including seismic provisions) and bridge structural analysis software's like <b>MIDAS Civil, STAAD PRO, CSiBridge, RM Bridge, or LUSAS</b> etc. The cost of such works shall be as under:- | Should have successfully provided geotechnical investigation, foundation design, slope stability, and retaining structure consultancy work for completed road/bridge projects of Govt./Public sector undertakings/any other reputed organization within last 5 years by using latest IS/IRC codes and geotechnical analysis software's like <b>PLAXIS 2D/3D, GeoStudio (SLOPE/W, SEEP/W), FLAC, or gINT</b> etc. The cost of such works shall be as under:- | Should have thorough knowledge of control of cost on construction project, cost planning, valuation and cost estimation. Should have skill in preparation of the detailed estimates from working drawings/designs/alignment plans/sketches and specifications as prepared by the highway/structural engineers in order to prepare tender document, BOQ using latest softwares. He should have provided the consultancy services as Quantity Surveyor in road/bridge projects under Govt./Public sector undertaking and any other reputed organizations within last 5 years. The cost of such works shall be as under:- |
|   | One project costing Rs 3.75 cr or more                                                                                                                                                                                                                                                                                                                                                                                                     | One project costing Rs 3.75 cr or more                                                                                                                                                                                                                                                                                                                                                                                                  | One project costing Rs 3.75 cr or more                                                                                                                                                                                                                                                                                                                                                                                                                      | One project costing Rs 3.75 cr or more                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|   | <b>Or</b>                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Or</b>                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Or</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Or</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|   | Two projects each costing Rs 2.50 cr. or more                                                                                                                                                                                                                                                                                                                                                                                              | Two projects each costing Rs 2.50 cr. or more                                                                                                                                                                                                                                                                                                                                                                                           | Two projects each costing Rs 2.50 cr. or more                                                                                                                                                                                                                                                                                                                                                                                                               | Two projects each costing Rs 2.50 cr. or more                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <p style="text-align: center;"><b>Or</b></p> <p>Three projects each costing Rs 1.5 cr or more</p> <p>Provided further that at least one completed project should be in hilly state/state of HP.</p> | <p style="text-align: center;"><b>Or</b></p> <p>Three projects each costing Rs 1.5 cr or more</p> <p>Provided further that at least one completed project should be in hilly state/state of HP.</p> | <p style="text-align: center;"><b>Or</b></p> <p>Three projects each costing Rs 1.5 cr or more</p> <p>Provided further that at least one completed project should be in hilly state/state of HP.</p> | <p style="text-align: center;"><b>Or</b></p> <p>Three projects each costing Rs 1.5 cr or more</p> <p>Provided further that at least one completed project should be in hilly state/state of HP.</p> |
| <p><b>Note: - (i) For empanelment of consultant firms, the firm shall have to engage the Highway Engineer, Structural/Bridge Engineer, Geotechnical Engineer and Quantity Surveyor who qualify the above technical eligibility criteria for respective category.</b></p> <p><b>(ii) If any individual applicant fulfils the qualification criteria and technical eligibility criteria for consultancy as Structural /Bridge Engineer as well as for Quantity Surveyor, in that case he can be empanelled for both classes.</b></p> <p><b>(iii) The experience/work done certificate shall be certified by an officer not below the rank of Executive Engineer for Government works and by CA/Authorised Officer of the Reputed client organisation.</b></p> |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                                     |

#### **FINANCIAL ELIGIBILITY CRITERIA:-**

**(For all i.e. Architect, Structural Engineer, Quantity Surveyor/Consultancy Firm for Building Works and Highway Engineer, Structural/Bridge Engineer, Geotechnical Engineer, Quantity Surveyor/Consultancy Firm for road & Bridge Works)**

|                   |                                                      |                                                                                                                                                              |
|-------------------|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Category-A</b> | Works costing more than Rs 15 cr.                    | The intending applicant should have an annual average turnover of Rs 22.5 Lacs during the last 3 (Three) financial years ending 31 <sup>st</sup> March 2026. |
| <b>Category-B</b> | Works costing more than Rs 5 cr. and up to Rs 15 cr. | The intending applicant should have an annual average turnover of Rs 15 Lacs during the last 3 (Three) financial years ending 31 <sup>st</sup> March 2026.   |
| <b>Category-C</b> | Works costing up to Rs 5 cr.                         | The intending applicant should have an annual average turnover of Rs 7.50 Lacs during the last 3 (Three) financial years ending 31 <sup>st</sup> March 2026. |

2  
**Note: Higher category empanelled consultant can participate in one step lower category works. For Bridge works, Higher category empanelled consultant can participate in all lower category works.**

**The annual average turnover shall be certified by a registered CA with ICAI.**

The Architect /Structural Engineer/ Quantity Surveyor/ Consultancy Firm for building works and Highway Engineer/ Structural/Bridge Engineer/ Geotechnical Engineer/Quantity Surveyor/ Consultancy Firm for road & bridge works applying for empanelment should have registered office at any appropriate place with sufficient staff within the state of Himachal Pradesh and will submit documentary proof in this regard. In case, he is not having the registered office and staff at the time of making his application for empanelment, in that case he will have to furnish an undertaking stating therein to establish office duly equipped with all required staff, tools and plants as may be required for carrying out consultancy work in the event of award of consultancy work. He must have latest licensed software's so as to complete the awarded work within time frame. He will be required to arrange for additional manpower, machinery and equipments, if required, during course of execution.

He will have to carry out the detailed soil/hydrological investigation of the project site including safe bearing capacity/CBR through a recognized and registered agency and as per methodology approved by the Engineer-in-Charge.

**Terms and Conditions:-**

1. As the time limit is the essence of the contract agreement, the ability and competence of the intending applicants to render the required services within the specified time frame will be the major factor while deciding the selection of the Architect /Structural Engineer/ Quantity Surveyor/ Consultancy Firm for building works and Highway Engineer/ Structural/Bridge Engineer/ Geotechnical Engineer/Quantity Surveyor/ Consultancy Firm for road & bridge work.
2. The intending applicant(s) should satisfy themselves before applying for empanelment that they meet all the above qualifying criteria.
3. The applicant(s) not fulfilling the qualifying criteria/conditions for empanelment as specified above shall not be considered for empanelment.
4. The shortlisting shall be based on the fulfillment of the eligibility and work experience criteria mentioned herein above.
5. The interested applicants/firms having requisite experience of above specialized jobs and having their own in-house expertise capacity and resources are required to submit their E.O.I proposals for appropriate category duly supported by documentary proof describing their key staff (including other consultants to be associated with) and other relevant information of organization, detail of relevant experience along with certificate/documentary evidence of the works undertaken duly filled in the annexures (except payment schedule annexure) specified herein.

6. The application shall be signed by the intending applicant himself i.e. being Architect /Structural Engineer/ Quantity Surveyor for building works and Highway Engineer/ Structural/Bridge Engineer/ Geotechnical Engineer/Quantity Surveyor for road & bridge works. In case of Consultancy firm, it must be signed by an authorized partner/director of the firm.
7. In case the intending applicant is Architect, attested copies of the valid registration certificate of Council of Architecture (COA) shall be submitted.
8. In case the intending applicant is a Structural Engineer/Quantity Surveyor/ Consultancy Firm for building works, the details of Architect to be associated with the execution of building work shall be submitted along with the attested copy of the valid registration certificate of Council of Architecture (COA) in respect of the concerned Architect.
9. In case of the intending applicant being a firm, attested copy of the valid certificate of incorporation and in case of partnership firm copy of partnership from appropriate authority shall be submitted. An undertaking mentioning the name of the Architect, Structural Engineer, Quantity Surveyor for building works and Highway Engineer, Structural/Bridge Engineer, Geotechnical Engineer, Quantity Surveyor for road & bridge works to be associated by the Consultancy firm along with their willingness and other criteria parameters as mentioned above shall be submitted.
10. The attested copy of the annual turnover certificate from Chartered Accountant for last 3 years shall have to be submitted along with the application for empanelment.
11. The HPPWD may modify/amend the EOI conditions, change the selection process, and reject any or all applications without assigning any reasons as per future requirements. Any modification/amendment of the EOI document shall be posted on the official website of HPPWD.
12. The interested agencies/consulting firms shall have to submit their expression of interest proposals with non refundable fee of application as Rs. 10000/-= only through on line payment of any scheduled bank in favour of Executive Engineer, Division No. -III, HPPWD Shimla-3, (payable at Shimla) through registered post/speed post and their application for empanelment with complete documents and Annexures duly filled in should reach the office of Chief Engineer(SZ), HPPWD, Nirman Bhawan, Nigam Vihar, Shimla-2 on or before xx.xx.xxxx up to 10.30 AM and shall be opened on the same day at 11.30 AM. Expression of interest received after this will not be considered for empanelment. All the documents to be submitted to office of CE(SZ) shall be supplied in A4 sized envelope with proper heading "EoI for Empanelment of Consultants for Buildings/Bridges and Roads".
13. The shortlisting of consultants shall be done after due scrutiny of the applications and the documents submitted along with the application. The scrutiny committee, if feels so, may require verification of any of the document submitted by the applicant and in that eventuality, the applicant is required to respond promptly in order to avoid any delay in the selection process.
14. The applicant selected for empanelment shall be intimated separately and the list of the shortlisted consultants will be uploaded on the website of the department.

- 22
15. Application for empanelment once submitted shall not be allowed to be withdrawn at any stage under any reason whatsoever and fees of registration will not be refunded.
  16. The applicant must have a valid Permanent Account Number (PAN) of the Income Tax Department and GST Number.
  17. Joint ventures/ consortium of firms are not allowed to apply for empanelment.
  18. The retired Architects/Structural Engineers/Executive Engineers/Assistant Engineers from HPPWD may apply for empanelment in the appropriate class and category after 6 months of their retirement from the service. The work done certificate shall be certified by an officer not below the rank of Superintending Engineer, HPPWD. In such cases, their work experience shall be taken from the day of their retirement and counting the preceding years of the service rendered in the department. However, they shall be required to seek permission in this regard from the office of the Engineer-in-Chief, HPPWD and while seeking permission, they shall be required to submit their application along with their Curriculum Vitae (CV) mentioning their work experience and other relevant information. The scrutiny committee may decide their cases for empanelment on the basis of their qualification and work experience in the department. They shall, however be exempted from having GST number at the time of submission of application.

#### **19. DISPUTE RESOLUTION**

Any dispute, difference or controversy of whatever nature howsoever arising under or out of or in relation to this Agreement (including its interpretation) between the Parties, and so notified in writing by either Party to the other Party (the "Dispute") shall, in the first instance, be attempted to be resolved amicably in accordance with the conciliation procedure set forth as under :

##### **Conciliation**

In the event of any Dispute between the Parties, the consultant may call upon concerned Chief Engineer and in case of department, it may call upon the Chairman of the Board of Directors of the Consultant or a substitute thereof for amicable settlement, and upon such reference, the said persons shall meet no later than 10(ten) days from the date of reference to discuss and attempt to amicably resolve the Dispute. If such meeting does not take place within the 10(ten) day period or the Dispute is not amicably settled within 15(fifteen) days of the meeting or the Dispute is not resolved as evidenced by the signing of written terms of settlement within 30 (thirty) days of the notice in writing or such longer period as may be mutually agreed by the Parties, No arbitration is allowed. However, the matter is to be dealt as per Go HP Notification No. PBW (B)F(10)12/2019 dated 09/07/2020.

## 20. Penalty and Debarment Provision

The Client reserves the right to impose financial penalties and debar the Consultant/Firm from participating in future tenders of the department for any major deficiencies, professional misconduct, or negligence are discovered during the execution of the project or after its completion.

Deficiencies include, but are not limited to:

- Submission of wrong, fabricated, or grossly inaccurate Geotechnical Investigation reports.
- Submission of wrong or physically unverified cross-sections and longitudinal sections.
- Major design deficiencies or structural flaws that lead to structural instability, project delays, or financial loss to the State.
- Abandonment of the project or refusal to revise designs as necessitated by actual site conditions.

Quantum of Penalty: Upon establishing any of the aforementioned defaults, the Competent Authority may declare the consultant/firm as non-performer and may impose the following disciplinary actions, either individually or concurrently:

Financial Penalty:

- Imposition of a penalty up to 10% of the total awarded consultancy amount. This amount shall be recovered from the consultant's pending bills, retention money, performance security or any other dues pending with the department.

Debarment:

- Debarment: The Consultant/Firm, including its principal partners and directors or associated professionals as the case may be, shall be debarred from participating in any bidding process of the department for a specified period ranging from 6 (six) months to 3 (three) years, depending on the gravity of the deficiency.

Competent Authorities and Jurisdiction: The disciplinary action, including the duration of debarment and the quantum of penalty, shall be decided and enforced by the following Competent Authorities based on the jurisdiction and impact of the project:

- Superintending Engineer (SE): Empowered to impose penalties and/or enforce debarment at the Circle level for participation in further projects/works of the department.
- Chief Engineer (CE): Empowered to impose penalties and/or enforce debarment across the respective Zonal level for participation in further projects/works of the department.
- Engineer-in-Chief (E-in-C): Empowered to impose penalties and/or enforce debarment across the entire State level for participation in further projects/works of the department.

24

The Competent Authority shall serve a "Show Cause Notice" detailing the deficiencies, granting the consultant a minimum of 15 days to submit a written defense before final orders are issued. However, decision of the Competent authority should be final and binding on the consultant.

21. Scope of Drawings and Mandatory Revisions:

1. **Mandatory Revisions due to Site Conditions:** All changes or modifications in the design, drawings, and estimates—especially those required due to actual site conditions—shall be carried out by the consultant to the complete satisfaction of the client within one month of instruction.
2. **Proof-Checking and Re-Approval:** The consultant's responsibility does not end with the submission of revised drawings. It is strictly mandatory for the consultant to facilitate the proof-checking of the revised designs and to pursue and secure the final approval again from the competent authority.
3. **Physical Presence Required:** The physical presence of the principal designer or key technical personnel at the office of competent authority is mandatory whenever called upon to explain, defend, or modify the designs.
4. **Data Ownership and Handover:** All native design files, software models (e.g., STAAD/ETABS), and detailed calculation sheets (excel format) remain the absolute property of the client. The consultant is mandated to share all such data unconditionally. Withholding design data shall be treated as a breach of contract.

**Other conditions (for award of consultancy and execution of work at site):-**

1. For allotting a particular work to the consultant, the Engineer-in-Charge will invite limited tender duly mentioning details of the work in RFP and only empanelled consultants of the respective category shall be eligible to participate.
2. The empanelled / consultants shall quote their bid amount duly supported with complete justification and submit the same to the Engineer-in-Charge / Employer for consideration and award thereof.
3. The amount of earnest money to be deposited shall be as under which shall be deposited only through online mode as per GoHP instructions.

| Category   | Description                        | Amount of earnest money (in Rs) |
|------------|------------------------------------|---------------------------------|
| Category-A | Works above Rs 15 crore.           | Rs 225000/-                     |
| Category-B | Works costing Rs 5.00 -15.00 crore | Rs 150000/-                     |
| Category-C | Works costing up to Rs 5.00 crore  | Rs 75000/-                      |

4. The time period up to approval of the DPR for Buildings as per scope of specific work shall be as under:-

|            |                          |         |
|------------|--------------------------|---------|
| Category-A | Works above Rs 15 crore. | 60 days |
|------------|--------------------------|---------|

23

|                   |                                           |                |
|-------------------|-------------------------------------------|----------------|
| <b>Category-B</b> | <b>Works costing Rs 5.00 -15.00 crore</b> | <b>40 days</b> |
| <b>Category-C</b> | <b>Works costing up to Rs 5.00 crore</b>  | <b>30 days</b> |

**Note:** The time is indicative and the actual time for completion of activities may be increased or decreased by the Engineer-in-charge.

The above time period shall be applicable up to approval of the DPR only. The Bid documents with BOQ shall be supplied as and when required by the department. However, the consultant shall remain associated with HPPWD till completion of the project and obtaining Green building rating (where so required) and submission of the As-built drawings to HPPWD.

5. The time period for various activities for Roads and bridge projects as per scope of specific work shall be as under :

| Sl. No. | Activity                                                                                            | Time (in days)                                                                      | Time period for acceptance (in days) |
|---------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------|
| 1       | Site mobilization including Inception report                                                        | 15 days                                                                             | 5 days                               |
| 2       | Preliminary Project report including details of drawings of structures viz RCC Culverts/Bridge etc. | 35 days                                                                             | 5 days                               |
| 3       | Detailed Project Report and working drawings (Draft Final)                                          | Category C works- 30 days<br>Category B works -40 days<br>Category A works -60 days |                                      |
| 4       | Bid Documents with BOQ                                                                              | As and when required                                                                |                                      |

**Note:** The time is indicative and the actual time for completion of activities may be increased or decreased by the Engineer-in-charge.

However, the consultant shall remain associated with HPPWD till physical completion of the project at site and performance guarantee shall be released after it.

6. In case the work is not started without any valid reason within 7 days after the award of work by the Engineer-in-Charge, the work will be rescinded without serving any notice.
7. If the Consultant(s) with lowest rates happens to be a non-performer /defaulter as per the terms and conditions stated above, in that case the consultant with 2nd lowest bid offer may be offered the consultancy job for award to avoid further delay, provided it is so required in exigency of the work.
8. The consultant shall submit any revised architectural/alignment drawing /structural design of the project during execution as may be required due to unprecedented site constraints or due to changes requested by client department.
9. Payments shall be regulated as per payment schedules annexed.

- 26
10. The variation beyond  $\pm 10\%$  of the built up area/length of the project w.r.t. DPR shall be paid/deducted to the consultant on prorata basis to his awarded amount.
  11. The Consultant shall exercise all reasonable skill, care and diligence in the discharge of his duties and shall exercise such general superintendence and inspection as may be necessary to ensure that work is not delayed and is being executed in accordance with the specified terms and conditions.
  12. No charges /actual cost of his travel to site, boarding & lodging and local transport for any visit made by consultant or his staff to the site or such other place as may be necessary in connection with the performance of his duties referred to in this document /agreement shall be paid by HPPWD.
  13. The cost of presentation models, computer stimulation, presentation drawings etc. prepared at the instance of the Client department/HPPWD for the purpose other than the design and execution of the project, shall be paid to consultant on actual basis subject to submission of necessary documents/bills in this regard.
  14. Cost/Rates for DPR Preparation for Roads and Bridges under NABARD/CRIF/STATE etc:

**(a). Roads:**

| S.No.                                               | Description                                                                                      | Rate                          |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------|
| <b>Preparation of Road DPRs through Consultants</b> |                                                                                                  |                               |
| 1.                                                  | For plain and rolling areas                                                                      | Not exceeding 30,000/km + GST |
| 2.                                                  | For hilly areas (including trace cutting, assessment of type of rocks, analysis for slopes, etc) | Not exceeding 60,000/km + GST |

**(b). Bridge:**

Bridge of span upto 15 mtrs will be part of Road DPR and nothing extra shall be paid, for span beyond 15 mtrs- separate DPR by Bridge consultant shall be prepared.

| <b>Preparation of Bridge DPR including investigation, design and complete drawings</b> |                            |                                            |
|----------------------------------------------------------------------------------------|----------------------------|--------------------------------------------|
| 1.                                                                                     | For Bridges 15m to 50m     | Not exceeding 2% of cost of construction   |
| 2.                                                                                     | For Bridges 50m to 150m    | Not exceeding 1.5% of cost of construction |
| 3.                                                                                     | For Bridges more than 150m | Not exceeding 1% of cost of construction   |

**Note:** The expenditure incurred on getting the design and drawings vetted from proof checking/vetting authority like IIT/NIT/other reputed government institute shall be reimbursed at rates being paid to STA by NRIDA.

15. Cost/Rates for Buildings shall be governed by Engineer-in-Chief letter no. PW CTR 32-20/Tender Documents/2023-16733-832 dated 16.11.2023.
16. The rates can be increased or decreased by the o/o Engineer-in-Chief, HPPWD from time to time.
17. Henceforth, all new consultancy work awards issued by HPPWD for Building, Road, and Bridge consultancy shall be strictly governed by the Payment Schedules, Penalty Clauses and other terms and conditions mentioned in this EoI.

#### Annexure I

#### FORMAT FOR COVERING LETTER

(On the Letterhead of the Applicant)

To,  
The Chief Engineer (SZ),  
Nirman Bhawan, Nigam Vihar,  
HPPWD Shimla-2(HP)

**Subject :-Application for Empanelment of Architect/Structural Engineers/Quantity Surveyors/ Consultancy Firms for providing comprehensive/individual services to HPPWD for Building projects/ Empanelment of Highway Engineer/Structural/Bridge Engineer /Geotechnical Engineer/Quantity Surveyors/ Consultancy Firms for providing comprehensive/individual services to HPPWD for Road and Bridge projects**

**(Category..... )**

Sir,

1. I/We (hereinafter referred to as "the Applicant") and having reviewed and fully understood all of the information provided in the Empanelment document provided by the HPPWD in respect of the captioned Empanelment, the undersigned hereby submits the Application in response to the EOI for Empanelment.
2. I/We have studied the EOI for Empanelment document carefully and understand that I/we shall have no claim, right or title arising out of any documents or information provided to us by the HPPWD or in respect of any matter arising out of or concerning or relating to the Empanelment Process including the Empanelment.
3. This statement is made for the express purpose of qualifying as an Applicant for the aforesaid Empanelment.
4. I/We shall make available to the HPPWD any additional information it may find necessary or require supplementing or authenticate the qualification statement.

5. My/Our Application is consistent with all requirements of submission as stated in the Empanelment Document or in any of the subsequent communication issued by the Authority.
6. I/We would be solely responsible for any errors or omissions in our application.
7. I/We understand that any omission, commission or misstatement in facts provided by me/us will make our application invalid at any time during the Empanelment Process and also after the empanelment; the HPPWD reserves the right to take appropriate action accordingly.
8. I/We understand that the HPPWD reserves the right to accept or reject any or all the Applications and reserves the right to withhold and/or cancel the Empanelment Process without assigning any reason or otherwise.
9. I/We agree and undertake to abide by all the terms and conditions of the Empanelment Document.

Signature .....

Name of the Architect /Structural Engineer/Highway Engineer/Structural/Bridge  
Engineer/Geotechnical Engineer/Quantity Surveyor/ Consultancy  
Firm.....

Date .....

## ANNEXURE II

### FORMAT FOR APPLICANT PROFILE

1. Name of the Architect /Structural Engineer/Quantity Surveyor/ Highway  
Engineer/Structural/Bridge Engineer/Geotechnical Engineer/  
Consultancy  
firm.....
2. Status (Legal entity –in case of firm).....
3. Address with pin code.....
4. Contact  
person.....
5. Contact  
number.....
6. Fax No.....
7. Mobile No.....
8. Email Id.....
9. Web address.....
10. Year of incorporation (In case of Firm)  
(Certificate of Registration to be furnished in case of firm).....
11. Council of Architecture Registration Number (For Architect Consultant)  
(Self attested Copy of COA Registration Certificate to be  
attached).....
12. Details of PAN.....  
(Copy of PAN Card to be furnished)

## 13. Details of GST Registration

No.....

(Copy of GST Registration number to be furnished).....

14 . Total years of Experience in providing Consultancy Services.....

15. Empanelment with other Govt. Organizations, if any.....

16 . Location of the office &amp; complete address.....

17. Any other relevant information.....

Note- copies of all documents indicated above should be enclosed.

Signature .....

Name of the Architect /Structural Engineer/Quantity Surveyor/ Highway Engineer/Structural/Bridge Engineer/Geotechnical Engineer/ Consultancy Firm.....

Date .....

## ANNEXURE III

**Detail of Key Staff including other Consultants to be associated by the Applicant**  
(Applicable for Architect /Structural Engineer/Quantity Surveyor/ Highway Engineer/Structural/Bridge Engineer/Geotechnical Engineer/ Consultancy Firm)

| Sr. No. | Name and designation | Educational Qualification | Work Experience in years | Detail of projects handled along with cost of the project in Crore. (Brief detail of the project should also be given) |
|---------|----------------------|---------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------|
|         |                      |                           |                          |                                                                                                                        |
|         |                      |                           |                          |                                                                                                                        |
|         |                      |                           |                          |                                                                                                                        |

Note :- In case of individual consultancy , the details of key staff of the consultant may be furnished on the same format.

Signature .....

Name of the Architect /Structural Engineer/Quantity Surveyor/ Highway Engineer/Structural/Bridge Engineer/Geotechnical Engineer/ Consultancy Firm.....

Date .....

**ANNEXURE IV-A**

**SUMMARY OF TECHNICAL EXPERIENCE**

(For Buildings)

**Consultancy Services Projects Completed during the last 5 (Five) years as on last day of this application submission**

**(USE ONE TABLE FOR EACH PROJECT)**

Name of the Work / Project.....

Address where project is executed.....

Name and address of Project Client.....

Total Cost of Project (Rs. In crore).....

Type of Project / Work (Multistoried /.....

Number of Floors / Area, as applicable along with applicable units.....

Total Built up area (in sqm) of the project.....

Period of Consultancy Services provided by the Applicant (Start Date and End Date).....

Date of Completion of work.....

31

Short description of Consultancy Services

Provided.....

Any other

Information.....

**Note: The works/ projects mentioned should be supported with Award letters/Work Orders and completion Certificates along with performance Certificates not less than by Executive Engineer in Government sector and not less than General Manager in Private Sector.**

Signature .....

Name of the Architect /Structural Engineer/Quantity Surveyor/ Consultancy Firm.....

Date .....

#### **ANNEXURE IV-B**

#### **SUMMARY OF TECHNICAL EXPERIENCE**

(For Road and Bridges)

**Consultancy Services Projects Completed during the last 5 (Five) years as on last day of this application submission**

**(USE ONE TABLE FOR EACH PROJECT)**

Name of the Work / Project.....

Address where project is executed.....

Name and address of Project Client.....

Total Cost of Project (Rs. In crore).....

Type of Project / Work (Highway / Rural Road / Bridge / etc.).....

Length of Road (in km) / Span of Bridge (in m), as applicable along with applicable units.....

Total Length (in km) / Total Span (in m) of the project.....

Period of Consultancy Services provided by the Applicant (Start Date and End Date).....

32

Date of Completion of work

Short description of Consultancy Services  
Provided.....

Any other  
Information.....

Note: The works/ projects mentioned should be supported with Award letters/Work Orders and completion Certificates along with performance Certificates not less than by Executive Engineer in Government sector and not less than General Manager in Private Sector.

Signature .....

Name of the Highway Engineer / Structural/Bridge Engineer /Geotechnical Engineer/  
Quantity Surveyor / Consultancy Firm.....

Date .....

## Annexure V-A

### Format for Consultancy Projects in hand /ongoing of the Applicant (For Buildings) (USE ONE TABLE FOR EACH PROJECT)

Name of the Work / Project.....

Address where Project is executed.....

Name and Address of Project Client.....

Total Cost of Project in ( in crore).....

Type of Project / Work (Multistoried /.....  
Number of Floors / Area, as applicable  
along with applicable units.....

Total Built up area (in sqm) of the project.....

Period of Consultancy Services provided  
by the Applicant (Start Date and End Date).....

Date of Completion of work.....

Short description of Consultancy Services  
Provided.....

Any other Information.....

**Note: The works/ projects mentioned should be supported with Award letters/Work Orders not less than by Executive Engineer in Government sector and not less than General Manager in Private Sector.**

Signature .....  
Name of the Architect Consultant/Structural Engineer/Quantity Surveyor/Consultancy Firm.....  
Date .....

**Annexure V-B**

**Format for Consultancy Projects in hand /ongoing of the Applicant  
(For Road and Bridges)  
(USE ONE TABLE FOR EACH PROJECT)**

Name of the Work / Project.....  
Address where project is executed.....  
Name and address of Project Client.....  
Total Cost of Project (Rs. In crore).....  
Type of Project / Work (Highway / Rural Road / Bridge / etc.).....  
Length of Road (in km) / Span of Bridge (in m), as applicable along with applicable units.....  
Total Length (in km) / Total Span (in m) of the project.....  
Period of Consultancy Services provided by the Applicant (Start Date and End Date).....

34  
Date of Completion of work .....

Short description of Consultancy Services

Provided.....

Any other Information.....

Note: The works/ projects mentioned should be supported with Award letters/Work Orders and completion Certificates along with performance Certificates not less than by Executive Engineer in Government sector and not less than General Manager in Private Sector.

Signature .....

Name of the Highway Engineer / Structural/Bridge Engineer /Geotechnical Engineer/  
Quantity Surveyor / Consultancy Firm.....

Date .....

#### Annexure VI

#### UNDERTAKING BY APPLICANT

1. It is certified that I/We \_\_\_\_\_ am/are having in-house capability of providing Comprehensive/Individual Consultancy services for building works/ road & bridge works as laid down in Notice inviting Expression of Interest (EOI) for 'Empanelment of Firms for providing comprehensive consultancy services to HPPWD..
2. It is further certified that all information/data furnished in the "Empanelment of Firms for Providing Comprehensive/Individual Consultancy Services to HPPWD are true to the best of my/our knowledge and belief and I/ we understand and acknowledge that if any of these information/dates is found to be incorrect, it will lead to cancellation of empanelment with HPPWD for providing comprehensive/individual consultancy Services.
3. I/We agree that our EoI application shall remain valid for 180 days after the Due Date of submission of application.

**Note: If any information in this schedule is found to be incorrect or concealed, qualification application will summarily be rejected.**

Signature .....

20

Name of the Architect /Structural Engineer/Quantity Surveyor/Highway Engineer  
/Structural/Bridge Engineer/Geotechnical Engineer/Consultancy

Firm.....

Date .....

## Annexure VII

### Payment Schedule: - (Lump sum basis) (Comprehensive services)(Buildings)

| Sr. No. | Description                                                                                                                                                                          | Percentage of awarded amount to be paid. | Total cumulative percentage |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------|
| 1       | On approval of the conceptual drawing(Phase I tasks completion).                                                                                                                     | 20% of the awarded amount                | 20%                         |
| 2       | On submission and acceptance/approval of the Detailed Soil Investigation Report, Architectural Working Drawings, and vetted Structural Designs. ( completion of phase-II&III tasks). | 20% of the awarded amount                | 40%                         |
| 3       | At the time of approval of DPR. (completion of phase-IV tasks).                                                                                                                      | 20% of the awarded amount                | 60%                         |
| 4       | On completion of 25% of the actual work at site                                                                                                                                      | 10% of the awarded amount                | 70%                         |
| 5       | On completion of 50% of the actual work at site.                                                                                                                                     | 10% of the awarded amount                | 80%                         |
| 6       | On completion of the work at site including obtaining Green/ECBC compliant rating of the building if so required.                                                                    | 15% of the awarded amount                | 95%                         |

36

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                            |          |    |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------|----|------|
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | On submission of drawings. | As built | 5% | 100% |
| <b>Note :-</b> <ul style="list-style-type: none"> <li>(i) The variation beyond + 10% of the built up area of the project w.r.t. DPR shall be paid to the consultant on prorata basis of the awarded amount.</li> <li>(ii) Performance Security @ 10% of the awarded amount shall be deducted at the time of making payment. The earnest money deposited shall be retained towards security deposit at the time of making deduction of 10% performance security. The consultant has to remain associated with the department till physical completion of project at site and performance security money shall be released only after physical completion of project at site.</li> <li>(iii) Soft copies of DPRs, Technical sanction, Working Estimate and DNIT, and all editable design/software files/calculations in excel sheet shall be compulsorily provided to the department.</li> <li>(iv) The Consultant/Design Engineer has to be physically present if asked to do so by the competent authority in his office for checking and approval of design/drawings.</li> <li>(v) This schedule of payment is valid for 3 years from date of award. Thereafter 5% escalation per year on remainder amount. The power to foreclose the tender beyond this period shall rest with concerned SE for category B&amp;C and with concerned CE for category A, if the project is delayed due to departmental constraints.</li> </ul> |                            |          |    |      |

## ANNEXURE VIII

### Payment Schedule: - (Lump sum basis) (Individual architectural consultancy services)(Buildings)

| Sr. No. | Description                                                                                                                                         | Percentage of awarded amount to be paid. | Total cumulative percentage |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------|
| 1       | On approval of the conceptual drawings (completion of phase-I tasks)                                                                                | 20% of the awarded amount                | 20%                         |
| 2       | On submission and acceptance/approval of the Architectural Working Drawings for all works (completion of phase-II tasks, phase III not applicable). | 20% of the awarded amount                | 40%                         |
| 3       | At the time of approval of DPR (completion of phase-IV tasks)                                                                                       | 20% of the awarded amount                | 60%                         |
| 4       | On completion of 25% of the actual work at site                                                                                                     | 10% of the awarded amount                | 70%                         |
| 5       | On completion of 50% of the actual work at site.                                                                                                    | 10% of the awarded amount                | 80%                         |

23

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                   |                           |      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------|------|
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | On completion of the work at site including obtaining Green/ECBC compliant rating of the building if so required. | 15% of the awarded amount | 95%  |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | On submission of <b>As-built drawings</b>                                                                         | 5%                        | 100% |
| <b>Note :-</b><br>(i) The variation beyond + 10% of the built up area of the project w.r.t.. DPR shall be paid to the consultant on prorata basis of the awarded amount.<br>(ii) Performance Security @ 10% of the awarded amount shall be deducted at the time of making payment. The earnest money deposited shall be retained towards security deposit at the time of making deduction of 10% performance security. The consultant has to remain associated with the department till physical completion of project at site and performance security money shall be released only after physical completion of project at site.<br>(iii) This schedule of payment is valid for 3 years from date of award. Thereafter 5% escalation per year on remainder amount. The power to foreclose the tender beyond this period shall rest with concerned SE for category B&C and with concerned CE for category A, if the project is delayed due to departmental constraints. |                                                                                                                   |                           |      |

#### ANNEXURE IX

#### Payment Schedule: - (Lump sum basis) (Individual Structural consultancy services)(Buildings)

| Sr. No.        | Description                                                                                                              | Percentage of awarded amount to be paid. | Total cumulative percentage |
|----------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------|
| 1              | On submission of the Detailed Soil Investigation Report (SBC) and submission of initial structural design and drawings.  | 30% of the awarded amount                | 30%                         |
| 2              | At the time of submission of structural design and drawings duly vetted from any of the IITs/NITs & PEC/like institutes. | 20% of the awarded amount                | 50%                         |
| 3              | On completion of 50% of the actual work at site.                                                                         | 25% of the awarded amount                | 75%                         |
| 4              | On completion of the work at site.                                                                                       | 25% of the awarded amount                | 100%                        |
| <b>Note :-</b> |                                                                                                                          |                                          |                             |

- 34
- (i). The variation beyond + 10% of the built up area of the project w.r.t. DPR shall be paid to the consultant on prorata basis of the awarded amount.
  - (ii). Performance Security @ 10% of the awarded amount shall be deducted at the time of making payment. The earnest money deposited shall be retained towards security deposit at the time of making deduction of 10% performance security. The consultant has to remain associated with the department till physical completion of project at site and performance security money shall be released only after physical completion of project at site.
  - (iii). The Engineer-in-Charge, at the time of release of payment, shall ensure completion of the above parameters by the consultant.
  - (iv). Soft copies of DPRs, Technical sanction, Working Estimate and DNIT, and all editable design/software files/calculations in excel sheet shall be compulsorily provided to the department.
  - (v). The Consultant/Design Engineer has to be physically present if asked to do so by the competent authority in his office for checking and approval of design/drawings.
  - (vi). This schedule of payment is valid for 3 years from date of award. Thereafter 5% escalation per year on remainder amount. The power to foreclose the tender beyond this period shall rest with concerned SE for category B&C and with concerned CE for category A, if the project is delayed due to departmental constraints.

#### ANNEXURE X

#### Payment Schedule: - (Lump sum basis) (Individual Quantity Surveyor consultancy services)(Buildings)

| Sr. No.                                                                                                                                               | Description                                                                  | Percentage of awarded amount to be paid. | Total cumulative percentage |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------|-----------------------------|
| 1                                                                                                                                                     | At the time of submission of DPR plus acceptance by the competent authority. | 30% of the awarded amount                | 30%                         |
| 2                                                                                                                                                     | At the time of approval of DPR                                               | 50% of the awarded amount                | 80%                         |
| 2                                                                                                                                                     | On completion of 50% of work at site.                                        | 10% of the awarded amount                | 90%                         |
| 3                                                                                                                                                     | On completion of the work at site.                                           | 10% of the awarded amount                | 100%                        |
| <b>Note :-</b>                                                                                                                                        |                                                                              |                                          |                             |
| (i) The variation beyond + 10% of the built up area of the project w.r.t. DPR shall be paid to the consultant on prorata basis of the awarded amount. |                                                                              |                                          |                             |

257

- (ii) Performance Security @ 10% of the awarded amount shall be deducted at the time of making payment. The earnest money deposited shall be retained towards security deposit at the time of making deduction of 10% performance security. The consultant has to remain associated with the department till physical completion of project at site and performance security money shall be released only after physical completion of project at site.
- (iii) The Engineer-in-Charge, at the time of release of payment, shall ensure completion of the above parameters by the consultant.
- (iv) This schedule of payment is valid for 3 years from date of award. Thereafter 5% escalation per year on remainder amount. The power to foreclose the tender beyond this period shall rest with concerned SE for category B&C and with concerned CE for category A, if the project is delayed due to departmental constraints.

#### ANNEXURE XI

#### Payment Schedule: - (Lump sum basis) (Roads)

| Sr. No. | Description                                                                                    | Percentage of awarded amount to be paid. | Total cumulative percentage |
|---------|------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------|
| 1       | Stage-I- On submission of Inception Report plus acceptance by the competent authority.         | 10% of the awarded amount                | 10%                         |
| 2       | Stage-II- On approval of preliminary project report                                            | 10% of the awarded amount                | 20%                         |
| 3       | Stage-III- On approval of detailed project report by competent authority                       | 30% of the awarded amount                | 50%                         |
| 4       | Stage-IV- On clearance of proposals by concerned Agency/Authority(NABARD/CRIF,etc)             | 20% of the awarded amount                | 70%                         |
| 5       | Stage-V- On finalization of Technical sanction, working estimate and DNIT and complete Bidding | 20% of the awarded amount                | 90%                         |

40

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                     |                           |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------|------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Documents including incorporating any changes required and submission in required number of copies. |                           |      |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Stage-VI After completion of pre construction activities of the road/layout at site.                | 10% of the awarded amount | 100% |
| <b>Note :-</b> <ol style="list-style-type: none"> <li>The variation beyond + 10% of length of the road w.r.t. DPR shall be paid to the consultant on prorata basis of the awarded amount.</li> <li>Performance Security @ 10% of the awarded amount shall be deducted at the time of making payment. The earnest money deposited shall be retained towards security deposit at the time of making deduction of 10% performance security. The consultant has to remain associated with the department till physical completion of project at site and performance security money shall be released only after physical completion of project at site.</li> <li>The Engineer-in-Charge, at the time of release of payment, shall ensure completion of the above parameters by the consultant.</li> <li>Soft copies of DPRs, Technical sanction, Working Estimate and DNIT, and all editable design/software files/calculations in excel sheet shall be compulsorily provided to the department.</li> <li>The Consultant/Design Engineer has to be physically present if asked to do so by the competent authority in his office for checking and approval of design/drawings.</li> <li>This schedule of payment is valid for 3 years from date of award. Thereafter 5% escalation per year on remainder amount. The power to foreclose the tender beyond this period shall rest with concerned SE for category B&amp;C and with concerned CE for category A, if the project is delayed due to departmental constraints.</li> </ol> |                                                                                                     |                           |      |

## ANNEXURE XII

### Payment Schedule: - (Lump sum basis) (Bridges)

| Sr. No. | Description                                                                                                                                                | Percentage of awarded amount to be paid. | Total cumulative percentage |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------|
| 1       | Stage-I-On submission of Hydraulic Data, GAD, preliminary estimate and their acceptance from competent authority.                                          | 10% of the awarded amount                | 10%                         |
| 2       | Stage-II- On submission of detailed Geotechnical report, structural drawings and their duly vetting from IITs/NITs/reputed government institute.           | 30% of the awarded amount                | 40%                         |
| 3       | Stage-III- On approval of DPR from concerned agency and design/drawings from competent authority.                                                          | 10% of the awarded amount                | 50%                         |
| 4       | Stage-IV- On finalization of Technical Sanction, Working Estimate and DNIT and complete Bidding Documents including incorporating any changes required and | 30% of the awarded amount                | 80%                         |

41

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                          |                           |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------|------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | submission in required number of copies. Also on revising drawings if needed.                                            |                           |      |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Stage-V- Released ONLY after the foundation/sub-structure is physically laid at the site thus verifying site conditions, | 20% of the awarded amount | 100% |
| <p><b>Note :-</b></p> <ol style="list-style-type: none"> <li>i. The variation beyond + 10% of the span of the bridge of the project w.r.t. DPR shall be paid to the consultant on prorata basis of the awarded amount.</li> <li>ii. Performance Security @ 10% of the awarded amount shall be deducted at the time of making payment. The earnest money deposited shall be retained towards security deposit at the time of making deduction of 10% performance security. The consultant has to remain associated with the department till physical completion of project at site and performance security money shall be released only after physical completion of project at site.</li> <li>iii. The Engineer-in-Charge, at the time of release of payment, shall ensure completion of the above parameters by the consultant.</li> <li>iv. Soft copies of DPRs, Technical sanction, Working Estimate and DNIT shall be compulsorily provided to the department.</li> <li>v. Soft copies of DPRs, Technical Sanction, Working Estimate, DNIT, and all editable design/software files/calculations in excel sheet shall be compulsorily provided to the department.</li> <li>vi. The Consultant/Design Engineer has to be physically present if asked to do so by the competent authority in his office for checking and approval of design/drawings.</li> <li>vii. This schedule of payment is valid for 3 years from date of award. Thereafter 5% escalation per year on remainder amount. The power to foreclose the tender beyond this period shall rest with concerned SE for category B&amp;C and with concerned CE for category A, if the project is delayed due to departmental constraints.</li> </ol> |                                                                                                                          |                           |      |

