



कार्यालय प्रमुख अभियन्ता एवं विभागाध्यक्ष  
व्यवस्थापन 'क' वर्ग  
लो0नि0वि0, उत्तराखण्ड, देहरादून



Office of the Engineer in Chief, PWD, Dehradun Uttarakhand

Phone & Fax:- 0135-2530467,2530431

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पत्रांक: 434 / 03व्यक-सा10 / 2022

दिनांक 29/03/2023

लोक निर्माण विभाग उत्तराखण्ड में संविदा पर Structural Design Engineer की नियुक्ति हेतु Expression of Interest (EOI) का आमन्त्रण।

माननीय राज्यपाल महोदय की ओर से लोक निर्माण विभाग, उत्तराखण्ड द्वारा स्ट्रक्चरल डिजाइन में विशेषज्ञ और विशेष सेवाएं प्रदान करने के लिए एक वर्ष के अनुबन्ध के आधार पर स्ट्रक्चरल इंजीनियरिंग में मास्टर डिग्री रखने वाले अभ्यर्थियों की नियुक्ति किये जाने हेतु Expression of Interest आमंत्रित की जाती है। उपरोक्त पद के लिये रिक्तियों की कुल संख्या और न्यूनतम योग्यता निम्नानुसार होगी:-

Educational Qualification		No. of Vacancy
Essential	Desirable	
Master degree in Structural Engineering (Experience & Skill Requirements as per TOR)	A good understanding of Structural/Bridge/Geotechnical Engineering, Engineering Drawing, Latest Structural Designing Software Tools, etc.	01 (One)

इच्छुक अभ्यर्थी, दिनांक 30.04.2023 (12.00 बजे मध्य रात्रि) तक अपना Detailed Resume तथा प्रमाण पत्रों की स्वप्रमाणित प्रतियाँ/शैक्षिक योग्यता/कार्य अनुभव तथा अपना पता/मोबाईल नं0/E-mail Id अनिवार्य रूप से उल्लेखित करते हुए केवल E-mail के माध्यम से निम्न पते पर आवेदन कर सकते हैं:-

अधिसासी अभियन्ता (अधिष्ठान)  
कार्यालय प्रमुख अभियन्ता एवं विभागाध्यक्ष, उत्तराखण्ड,  
लोक निर्माण विभाग, देहरादून 248001  
Email- [nimisingh.pwd@uk.gov.in](mailto:nimisingh.pwd@uk.gov.in)

उक्त तिथि के उपरान्त कोई भी आवेदन मान्य नहीं होगा। शॉर्ट लिस्टेड अभ्यर्थियों को साक्षात्कार हेतु मोबाईल/ E-mail के माध्यम से सूचित किया जाएगा।

आमन्त्रित Expression of Interest (EOI) से संबंधित विवरण/जानकारी/Terms of Reference लोक निर्माण विभाग की वेबसाईट (<http://pwd.uk.gov.in>) पर दिनांक 05.04.2023 से उपलब्ध होंगे।

(अयाज अहमद) 29.3.2023

प्रमुख अभियन्ता  
29.03.23



कार्यालय प्रमुख अभियन्ता एवं विभागाध्यक्ष  
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पत्रांक: 434/03व्यक-सा0/2022

दिनांक 29/03/2023

**Request for Expression of Interest for Engagement of  
Structural Design Engineer on Contractual Basis in Public Works Department  
Uttarakhand**

An Expression of Interest (EOI) is hereby invited on behalf of the Honourable Governor of Uttarakhand, by the Public Works Department, Uttarakhand from the persons having master degree in Structural Engineering on contract basis for one year to provide expert and specialized services in Structural Design Engineering in the matters of the Department. The total number of vacancies and the basic minimum qualification required for the above post shall be as follows:-

Educational Qualification		No. of Vacancy
Essential	Desirable	
Master degree in Structural Engineering (Experience & Skill Requirements as per TOR)	A good understanding of Structural /Bridge/Geotechnical Engineering, Engineering Drawing, Latest Structural Designing Software Tools, etc.	01 (One)

Interested candidates are requested to send their detailed resume along with the self attested copies of certificates/testimonials of experience/academic qualification and other relevant documents with their contact details (Address/Mobile No./E-mail Id.) through e-mail only at the address given below, by **30.04.2023 (12.00 midnight)**

Executive Engineer (Establishment)  
Office of Engineer in Chief and Head of Department  
P.W.D. Dehradun  
Email- [nimisingh.pwd@uk.gov.in](mailto:nimisingh.pwd@uk.gov.in)

No application shall be entertained after the said date. Candidates shortlisted for interview shall be intimated via mobile /e-mail.

Information related to Expression of Interest (EOI) and Terms of Reference will be available w.e.f. **05.04.2023** on the website of PWD (<http://pwd.uk.gov.in>).

*nm*  
*29.3.2023*  
(AYAZ AHMAD)  
ENGINEER-IN- CHIEF  
*AWD*  
*28.03.23*

## TERMS OF REFERENCE - STRUCTURAL DESIGN ENGINEER

### Introduction

The Uttarakhand Public Works Department with a legacy of more than 130 years is a major engineering department in the state of Uttarakhand responsible for the upkeep and construction of roads, bridges and important buildings in the state. The geographical terrain of the state is primarily hilly necessitating the construction of major bridges and bridge structures across the road network and construction of buildings keeping in consideration the seismic and aesthetic requirements.

In order to improve the designing and supervision of structural engineering projects in the state, PWD requires the services of a Structural Design Engineer.

### General functions:

The Structural Design Engineer will be responsible and accountable for Structural Designs and joint supervision of Major cross drainage structures and buildings and capacity building of PWD Engineers. Upon completion of design phase of a structural engineering project, site supervision and required design modifications / as constructed database will be required. The incumbent will work as an integral part of the Planning and Design Unit at the Office of the Engineer in Chief Public Works Department, Uttarakhand at Dehradun to perform the following duties:

### Building Works (Planning, Design and Construction)

- ✓ Responsible for ensuring that all designs produced are in accordance with the requirements for completeness, accuracy, constructability, and compliance to seismic requirements of the National Building Code (NBC) and prevalent life safety codes.
- ✓ Coordinating technical drawings with those of design architect, assisting the designers in designing a building that meets applicable codes and standards, highly resistant to earthquake motion while providing the best combination of cost, construction efficiency and system durability available.
- ✓ Design of structural drawings, from schematic design through to working drawings; preparing and coordinating structural specifications and compile the final design package (drawings, specifications, design analysis, design calculations, and bills of quantities) in close coordination with the designated Architect.
- ✓ Provide Code Analysis for each building type.
- ✓ Evaluate geotechnical reports, and calculate structural design accordingly.
- ✓ Provide structural design analysis.
- ✓ Provide feasible building systems that employ standard construction techniques following established design parameters.
- ✓ Attend and participate in design or pre-construction conferences and other meetings with clients as necessary to establish design parameters.
- ✓ Coordinate schedule of drawings for contract documents.
- ✓ Communicate with the project manager (EE or SE concerned), client, other disciplines and consultants as required.
- ✓ Prepare or assist in preparation of construction administration phase documents.
- ✓ Conduct on-site meetings to assist in clarifying technical design elements as required.
- ✓ Assist in the development of future project proposals.
- ✓ Perform other project-related duties as may be assigned by the Employer, the Engineer in Chief Public Works Department, Uttarakhand.

### Major Cross Drainage Works (Planning, Design and Construction)

- ✓ Review designs, specifications, construction methods, etc. for bridges and cross drainage structures.
- ✓ Manage inspections of bridges and major cross drainage structures constructions with due attention to seismic resistance requirements.

- ✓ Provide recommendations to PWD, Uttarakhand on bridge and structures conditions assessment and maintenance.
- ✓ Raise the PWD's capacity and awareness on international standards for bridge and structures design, construction and maintenance.
- ✓ Bridge and hydraulic structure Inspections and design
- ✓ Retaining wall design
- ✓ Analysis and design of Seismic retrofitting of cross drainage structures
- ✓ Bridge condition assessment and maintenance
- ✓ Bridge and hydraulic structure design
- ✓ Bridge condition assessment and construction supervision
- ✓ Sampling and testing
- ✓ Coordination and liaison with Site Level Officers and Project Engineers.
- ✓ Conduct regular visits to the project sites and report on the progress to the Engineer in Chief.

**Desirable Qualifications and Skills:**

(Education, experience and competencies)

**Education:**

Masters in Structural Engineering with a good understanding of Geotechnical Engineering, Soil Investigation, Engineering Drawing, Latest Structural Designing Software Tools.

**Essential experience and qualifications:**

At least 10 years' experience in structural design of buildings and bridges.  
 Experienced in the planning, implementation and completion of structural engineering projects.  
 Experienced in reinforced concrete, steel frame and prefabricated vertical structures.  
 Good knowledge on contemporary construction materials.  
 Must have good Code knowledge (NBC, BIS, other international codes etc).  
 AutoCAD, Civil 3D, Staad Pro proficiency is preferred.  
 Experience of finite element analysis and dynamic analysis of structures and related software's.

**Desirable qualifications:**

Project Management knowledge and experience is a major plus.

**Communication and negotiation skills:**

Drive for results with effective resource management skills. Flexibility and focus on processes and their improvements. Ability to work effectively and harmoniously with colleagues from varied cultures and professional backgrounds.

**Languages:**

Thorough knowledge of English; working knowledge of Hindi language will be an advantage.


**Duty Station:** Dehradun, Uttarakhand

**Selection Procedure:** The selection of candidate will be made as per Uttarakhand Government Rules and policy of public works department, Uttarakhand.

**Appointment Procedure:** Initially the appointment will be made on contractual/outsourced basis for one year and may increase the tenure annual basis with mutual consent further.

**Remuneration:** Sum of Rs. 840,000.00/- (Rupees Eight Lakh Forty Thousand Only) gross per annum maximum will be honored as monthly salary with 10% of increment on annual basis for the deserving candidate.

**Permissible Leaves per year:** 14 Casual Leaves.

  
 (Dharendra Singh Datal)  
 Deputy Secretary  
 P.W.D  
 Govt. Of Uttarakhand