Applications from Indian nationals are invited for Project Appointment under the following project. Appointment shall be on contractual basis with consolidated pay. The validity of the appointment shall be for 3 years. The project will be executed through inland waterways.

**Responsibilities:**

- Implementing/rehabilitation of waterways
- Experience in CFD code development
- Experience in HPC, turbulent flows, meshless methods or simulations involving complex geometry
- Proficiency in design patterns/software architecture
- Experience working in Linux-based HPC environment
- Excellent written and spoken communication skills in English

**About the project:**

We are looking for a CFD developer, with a research background in either HPC, turbulent flows (large eddy simulation), meshless methods or simulations involving complex geometry. The candidate will be reporting to Dr. Prapanch Nair, Prof. Amitabh Bhattacharya, and Prof. Anupam Dewan of IIT Delhi (click on their names for their respective websites).

This job contributes to the government's initiative for enabling transport through inland waterways.

**Details:**

1. Ph.D. or 1st class Masters (M.Tech/ME) (followed by 6 years experience) in Mechanical/Chemical/Aerospace/Civil engineering or similar
2. Experience with either HPC, turbulent flows, meshless methods or simulations involving complex geometry
3. C++ (or is also acceptable) with knowledge in design patterns/software architecture
4. Experience working in Linux-based HPC environment
5. Excellent written and spoken communication skills in English

The candidates who are interested in applying for the above post should download Form No. IRD/REC-4 from the IRD Website (http://ird.iitd.ac.in/rec) of IIT Delhi and submit the duly filled form with complete information regarding educational qualifications indicating percentage of marks/division, details of work experience etc. by e-mail with subject line to Dr. Prapanch Nair at email id: pnair@am.iitd.ac.in

**Location and Duration:**

Job location will be at IIT Delhi, New Delhi, India. The initial appointment will be for 1 year which can be extended up to 3 years.

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**Notification No.:** IITD/IRD/167/2023

Dated: 22/08/2023

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**Requirements:**

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**Qualifications:**

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