

## **Info for paid internship - civil engineer**

### **Requirements:**

- Degree or diploma in civil engineering
- Experience not required, possible fresh graduate as well, but preference will be given to site experience (carpentry, masonry)
- Min. Duration - 6 months
- Flexibility to travel around the country
- Software knowledge: AutoCad or preferably ArchiCad (or other BIM software)
- Interest in sustainable construction, renewable materials and resilient infrastructure

### **Job description:**

Tarayana Foundation is seeking a motivated civil engineer to support the implementation of Rural Housing project, which currently aims to build up to 230 new and sustainable homes for rural communities in Trashigang, Samdrup Jongkhar, Chhukha and Tsirang, and potentially several other sustainable construction projects across the country. The internship offers to participate in the full process of a climate and disaster resilient rural construction starting from the research and prototyping, research on renewable building materials like bamboo, timber and hempcrete, designing process, and ending with site supervision. The role involves frequent site work and the opportunity to learn and provide training in building skills such as carpentry and masonry and traditional construction techniques while working closely with rural communities and with Tarayana's in-house architect (Matěj Vacek).

### **What will you gain:**

- Hands-on experience in the design and construction of sustainable rural housing across Bhutan.
- Practical knowledge of renewable and low-carbon building materials, including timber, bamboo, hempcrete and earth.
- Experience in climate-resilient and disaster-resilient building design suitable for Bhutan's diverse environments.
- Participation in material research, prototype development, and performance testing of innovative construction systems.
- Extensive site experience, including construction supervision, quality control, and collaboration with local communities and artisans.
- Opportunity to learn traditional and modern construction crafts such as carpentry, masonry, bamboo construction, and earthen building techniques.
- Exposure to architectural, structural, and sustainability aspects of real-world development projects.
- Involvement in additional projects related to sustainable construction, research, training, and rural development.