

## Mechanical and Structural Engineers or Architect for Adobe Bamboo and Research Institute (ABARI)

### *About ABARI*

ABARI is a socially and environmentally committed research, design, and construction firm that examines, encourages, and celebrates the vernacular architectural tradition of Nepal. As Nepal possesses sophisticated traditional knowledge of natural materials like adobes, bamboos, stones and reed, ABARI tries to promulgate these materials into contemporary design practices.

### *About the Job*

ABARI is working on post-earthquake rehabilitation programs, which includes Permanent School designs and Model Villages. ABARI currently has 10+ professionals working in the Kathmandu office and 10+ artisans 30+ workers on site and in the work studio.

ABARI is looking for a candidate that will be involved in these community based design and built projects. An ideal candidate will be artistic, creative, has real-life problem solving solutions and an interest towards natural materials and building. They will be involved in design and construction of natural building methods and techniques, participate in dialogue with locals, and take part and host workshops as per their skill sets.

The candidate will be working in the Kathmandu office for design work, Dhulikhel for lab work, Chitwan for fabrication, and Kulay-Nuwakot and Timal-Kavrepalanchowk for built sites.

### *Qualifications*

The candidate will have skills in the following areas:

1. Civil or structural engineers should be able to design calculations of our structure for their seismic behavior
2. Mechanical engineers should be able to design universal bamboo joints and help in testing them. They should also be able to help design devices to straighten or bend bamboo.
3. Architects should be able to work on earthquake resilient and child-friendly schools.

### *How to Apply*

Please send a CV and cover letter to Kushal Harjani at [kushal@abari.org](mailto:kushal@abari.org) and IDIN at [idin-opportunities@mit.edu](mailto:idin-opportunities@mit.edu). Please include a portfolio of past works and published articles or reports, if any.

This is a part-time voluntary position, but we would be happy to work together with the candidate to apply for whatever other finances could be obtained to support them during the period. The position will last for 3-9 months with flexible start and end dates.