Community Self Reliance Centre **Job Description for Architectural Engineer**	CSRC आत्मनिर्भर केन्द्र
Position: Architecture Engineer	**Supervisor/Principal Evaluator:** Project Coordinator
Location: Kathmandu	**Period**: November 2022 to December 2022

1. Purpose of the Position: The position's main purpose is to support the flood-resilient housing design solution work of the organization and Durable Solutions (DS III) project by leading all the technical aspects.

The Community Self-Reliance Centre (CSRC) has been campaigning for comprehensive agrarian reform and the land rights of working farmers and tillers for almost three decades. Through this time, CSRC has worked to organize and raise consciousness amongst those deprived of land rights, build public opinion in favour of progressive land reform, and conduct action research related to land and agrarian issues. It has also engaged itself in disaster governance through policy advocacy, guideline formulation and implementation of DRR projects after 2015.

CSRC & PIN consortium has been implementing FCDO funded pilot project **Durable Solutions III (DS III)** in Saptakoshi, Saptari and Katahariya, Rautahat district of Madhesh province from July to December 2022. The project has envisioned that landless households at risk of flood in the pilot areas will have access to government grants before, during, and after the flood (as stipulated in Land Act and DRM Act, and SSA), and the LG will have a proven tested model for facilitating durable solutions for increased resilience of at-risk landless households.

The Architectural Engineer will be responsible for the flood-resilient housing prototype design in consultation with NDRRMA and Flood Resilient Housing Solution Working Group. Support the Project Coordinator for reporting under the DS III Project and work closely with the Civil/Geotechnical Engineer and other DS III teams of CSRC/PIN.

A. Major Responsibilities:

- Designing, analyzing, and altering plans, prototypes, or structures.
- Ensuring building plans, prototypes, and structures are operating safely, efficiently, and reliably.
- Identifying and solving problems in building plans, prototypes, and structures.
- Ensuring building systems are functional, reliable, and safe as per the local community requirements too.
- Participating in site visits and ensuring the prototype matches the local culture and norms.
- Testing and evaluating building systems to find problems and improvements.
- Reading, interpreting, and explaining complex technical documents.
- Consulting with Co-workers and team involved in the projects to maintain team ownership
- Perform work using Standard Application Programs, appropriate computer-aided design and various architectural tools required for the design.
- Transfer the technical knowledge to the Engineer's local government regarding the requirement of the specific prototype in the particular area.
- Assisting team members with project objectives, budgets, and timelines.
- Establishing project goals.

B. Reporting and Monitoring

- Prepare the report as per the observation and produce the prototypes of the building to present to the team, Project, NDRRMA and Local Government in coordination with the other technical persons and the team as a whole.
- Sharing with the team, Project, NDRRMA and Local Government how the prototypes are as per the local values and remain functional during the hazards like flood and other multi-hazard at the particular location
- Finalize the prototypes as per the recommendation and feedback of concerned stakeholders and ensure the building systems are functionally reliable and safe.
- Assist with the final report preparation with technical inputs and submit it to the Project team.
- Assist the team to share the final prototype presentation with the project team, local government, NDRRMA and Province.

C. Maintain Cross-Cutting Issues

- Ensure the cross-cutting issues GEDSI, Good Governance, RBA, Anti-corruption, conflict transformation and others in project implementation and personal life.
- Carry out other tasks as assigned by the line manager as relevant to subjective matters.
- As a member of CSRC, contribute to overall organizational goals, objectives, and compliance standards.

2. Preferred Qualifications and Experiences

- Bachelor's Degree in Architectural Engineering with at least 5 years of experience (Master's degree preferred)
- Excellent in architectural applications 2D and 3D AutoCAD, Revit etc.
- Good knowledge of Building codes for the construction of private houses
- Strong analytical skills with the ability to evaluate and purpose strategic options
- Ability to think critically and cope with the Terai zone culturally and locally to create a prototype in a flood prone area