

Project 1 // RAAHAT, Public convenience center in high altitudes of Ladakh

Location// Hundar village, Nubra valley (Ladakh, India)

Project area// 119 m<sup>2</sup>

Project type// Public convenience center



### Team//

Project leader - Tsephel Stanzin (Director of BORDA, India)

Chief Architect - Ar. Latha Raman and Ar. Jai Gopal

Execution Architect - Ar. Boghadi

Junior Architect - Ekta Rakholiya

## Project brief //

The project RAAHAT, conceived by Mr. Tsephel Stanzin in partnership with Government of Leh, is a project to promote sustainable tourism in Ladakh. The region has experienced high influx of tourists in last one decade and in dire need of establishing sustainable infrastructure for local economies and tourism.

RAAHAT is a pilot project meant to design climate response in four extreme climate regions of Ladakh. This region falls in complete seclusion during winter with snow-blocked roadways and life switching to hibernation mode due to frozen pipes & water scarcity. One of the key design challenge is to ensure water needs and electricity provision around the year through cost effective sustainable heating solutions. The goal of the project is to design a public convenience facility that can provide running water around the year and tackle water freezing problems when temperature drops below -30 deg Celsius.

My key contribution involved in designing Public convenience centre at Hundar village. Proposed project is built to have minimum impact on the fragile landscape of Nubra Valley. The structure is built on dry stone foundation with combination of rammed earth and solar trombe wall technique.

Though the intervention is very small, it is meant to blend in with landscape, include indigenous way of construction with attention to maintain built language of the region.



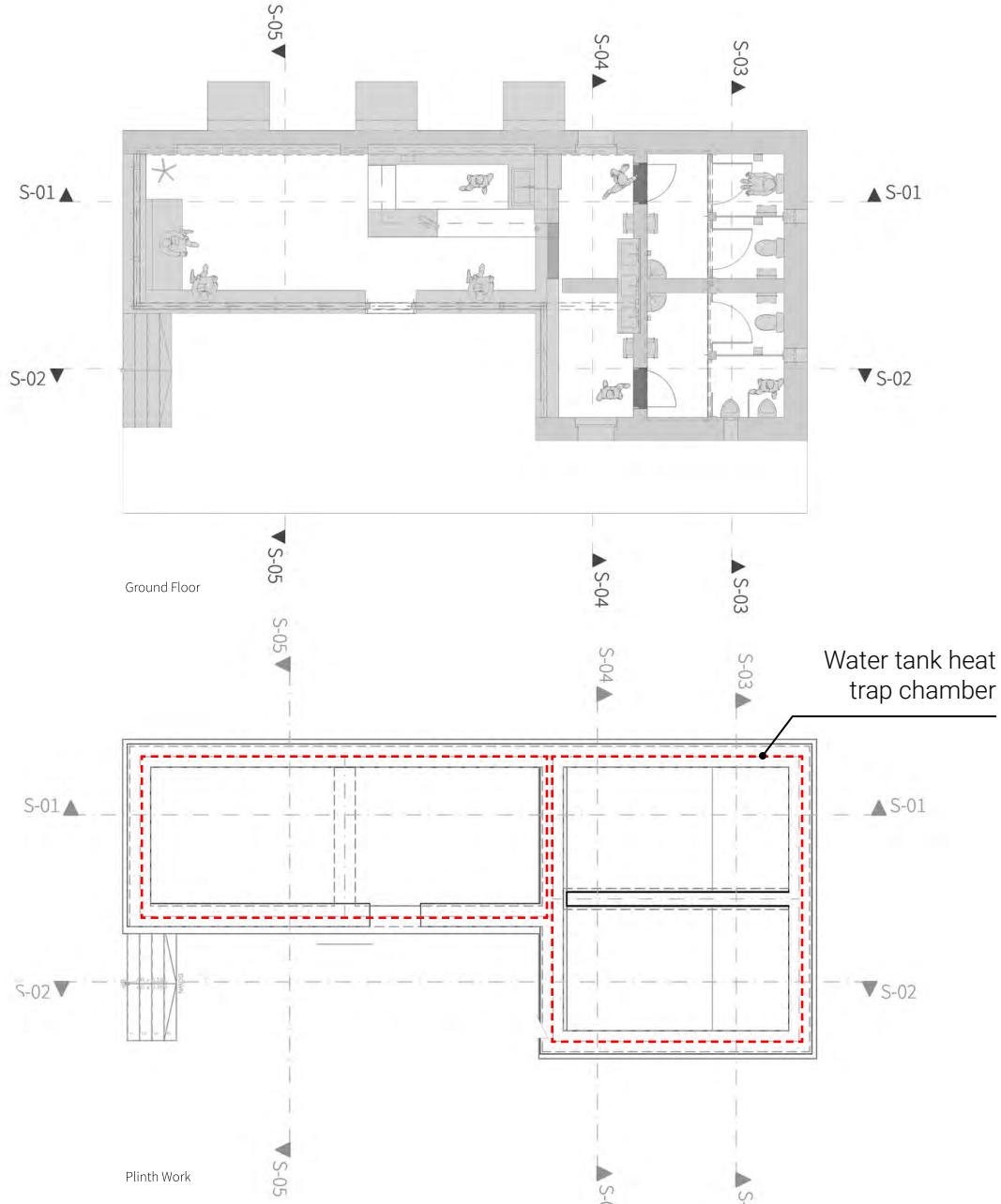
Hundar Village, Nubra Valley

## My Role //

Design conceptualisation, working drawings and renders, project update coordination with government officials

0 200m

Plan

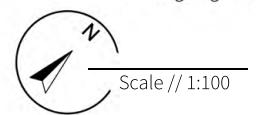


#### Area Specifications

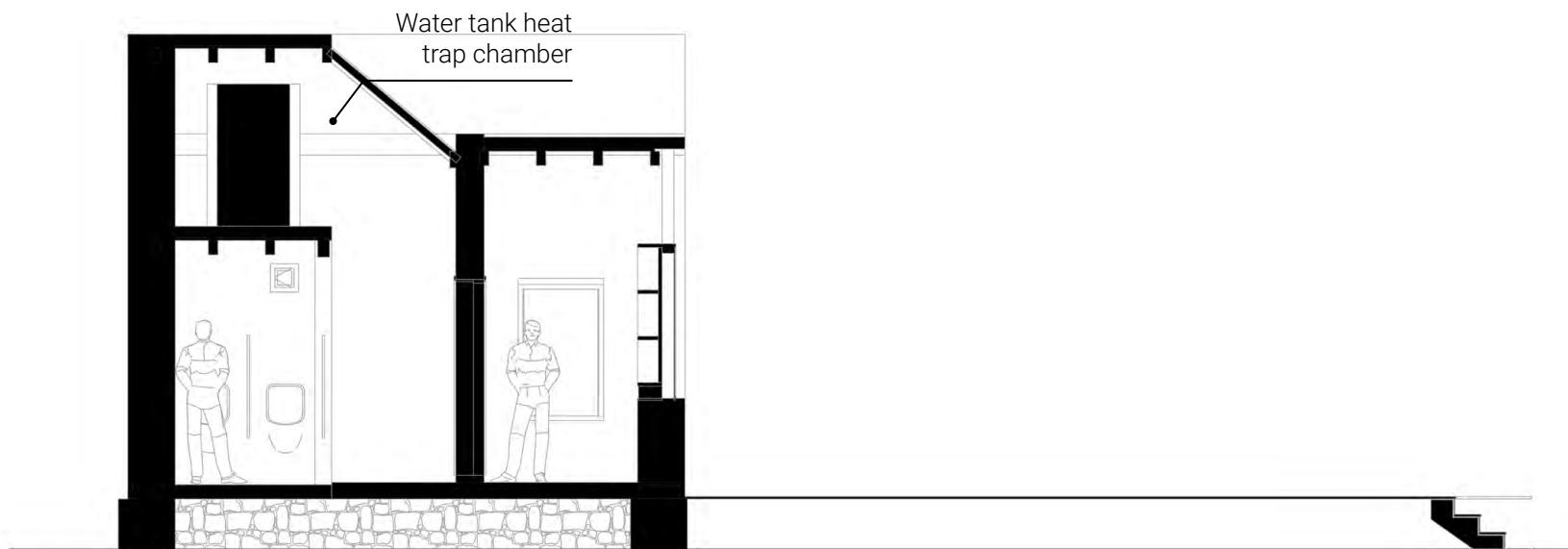
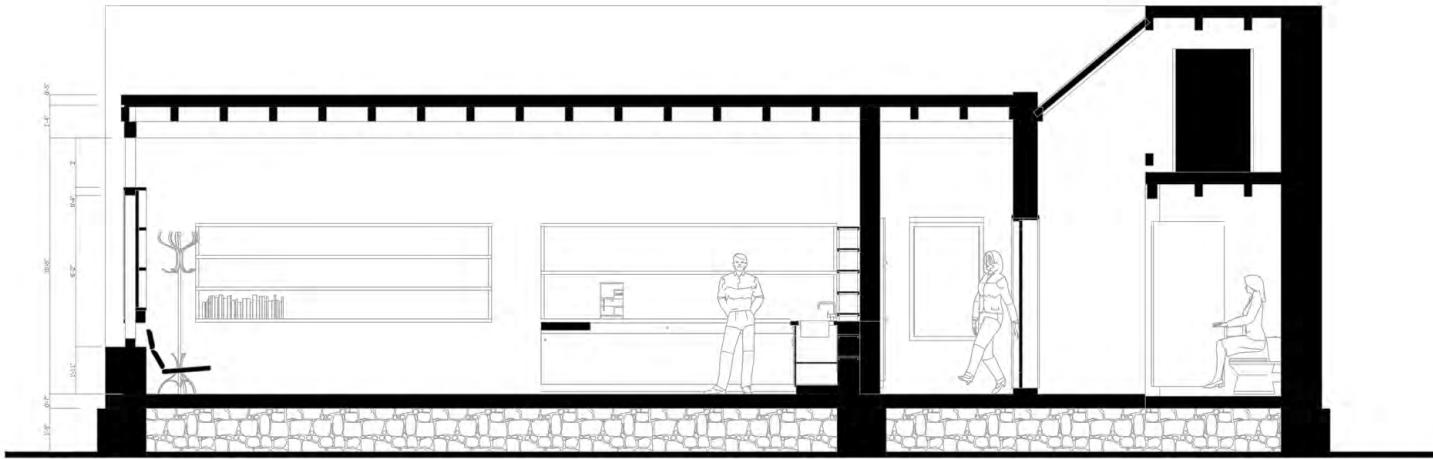
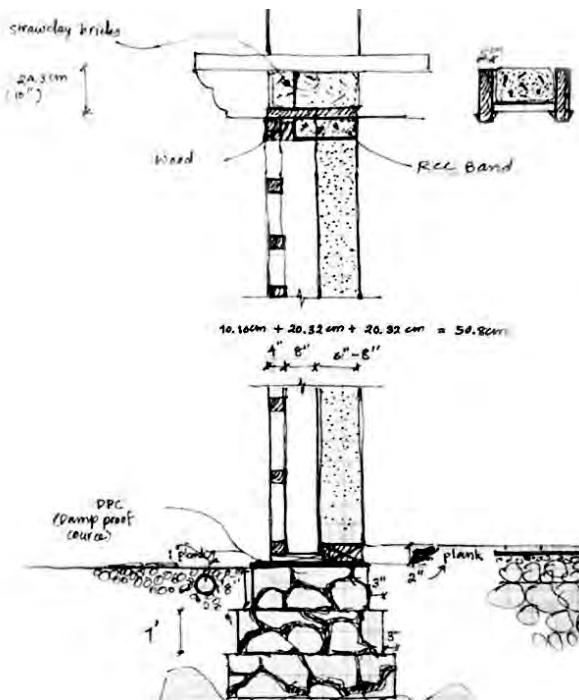
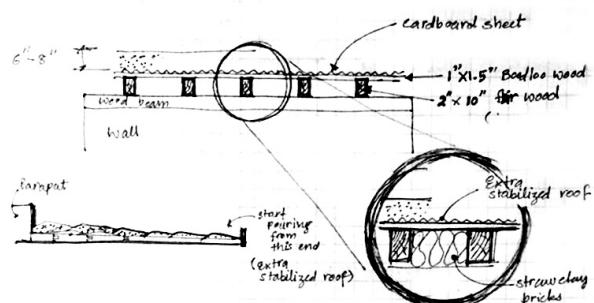
Built-up area | 77.2 m<sup>2</sup>  
Carpet area | 55.86 m<sup>2</sup>  
Cafe area | 27.18 m<sup>2</sup>  
Toilet and wash area | 28.68 m<sup>2</sup>  
Deck area | 49.6 m<sup>2</sup>

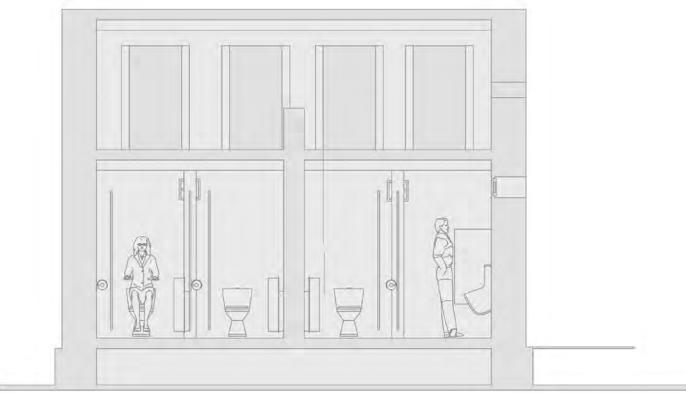
1. Restroom (M)
2. Restroom (F)
3. Buffer zone (common wash area)
4. Cafeteria and souvenirs
5. Advertisement space
6. Waste collecting beans
7. Deck

Yet not added features for Hunder model  
8. Eco-sensitive zone exhibition (outdoor open panels)  
9. Star gaing info

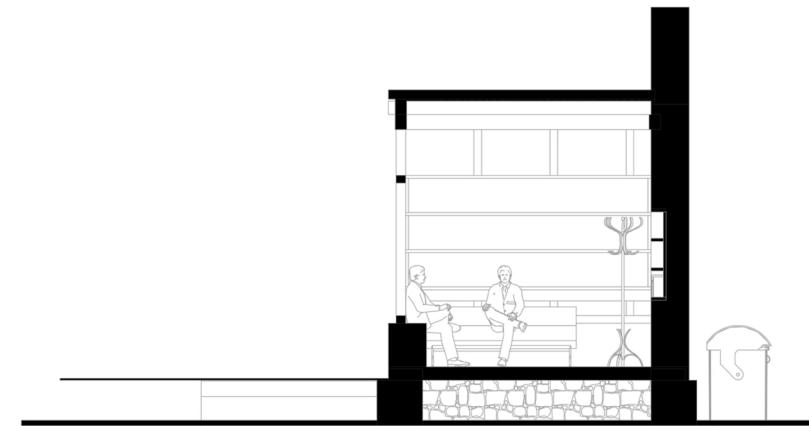


Scale // 1:100

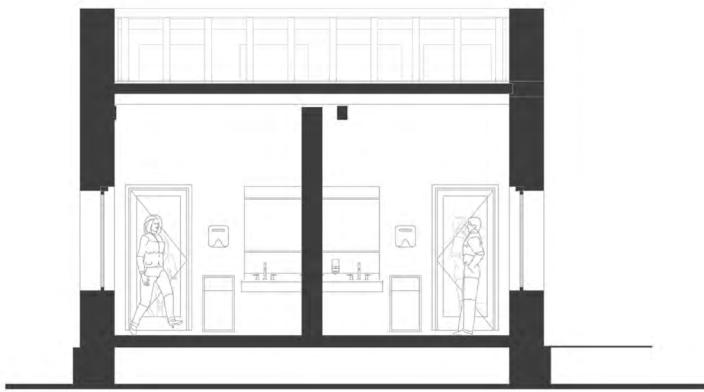




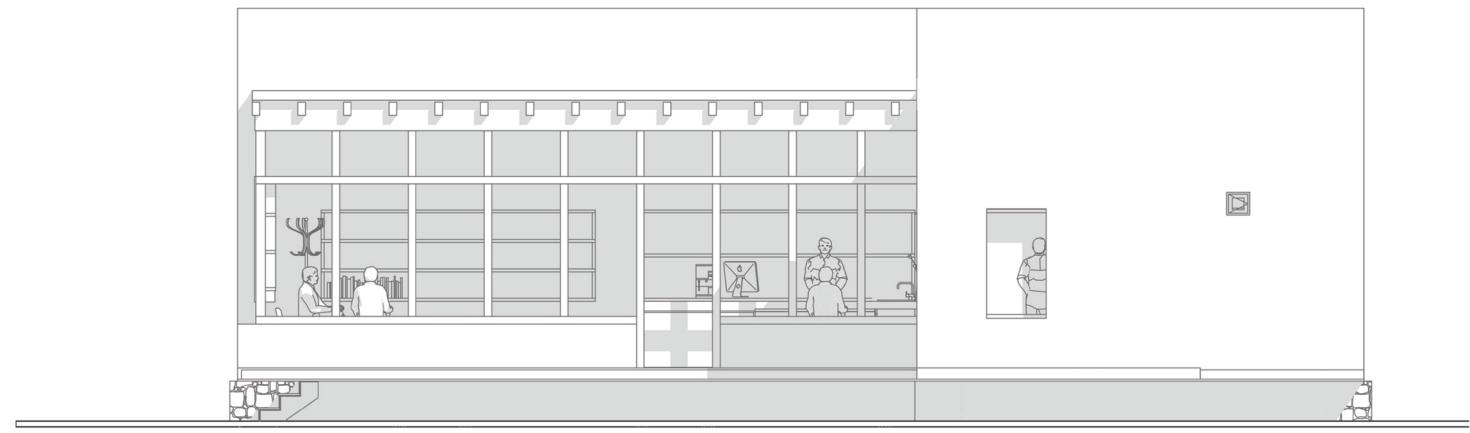
Section 3



Section 5



Section 4



South east Elevation



Project 2 // Awareness campaign documentation

Location// Skiu-Kaya Village, Hundar village, Diskit village

Project type// Organic farming awareness programs, Artificial glacial progress documentation



Team//

Project leader - Dr. Nordan Otzar (Director - LEdG)

Dechen Angmo, Ekta Rakholiya, Stanzin Dawa

## My Role //

Photography, graphic support, project progress updates

As part of awareness task force team, my work includes documentation of ongoing projects and awareness campaigns in remote villages of Ladakh.

I got involved in two key projects.

1. Organic farming awareness campaign in Skiu village
2. Artificial glacier project update in Nubra valley.

To adhere to the project report confidentiality, only few glimpse of the project and process are included here with the permission. These are some excerpts and images to provide a gist of project process.

Though these tasks being vastly different from traditional architecture practice, it proved to be a enriching journey with deeper understanding of issues faced by locals, careful understanding the cause-effects of particular situation, and a humbling experience of village life.

*Awareness program in forms of play and folk songs performed in local language.*



**Artificial glacier to meet water needs of nearby villages**

*In last one decade, most natural glaciers in the region has receded by 15km.*

*It leads to less and less water with each passing summer, posing water scarcity in downstream villages. Most villager's livelihood depends on agriculture which cease to exist when water is scarce. In last decade, this had been one of the leading cause for urban migration.*

*Manually compressed with the help of villagers to facilitate ice deposition*

*The project makes an attempt to re-form Artificial glacier to ensure livelihood safety of people living in villages nearby.*

*Water is piped upstream from near by hot-spring*



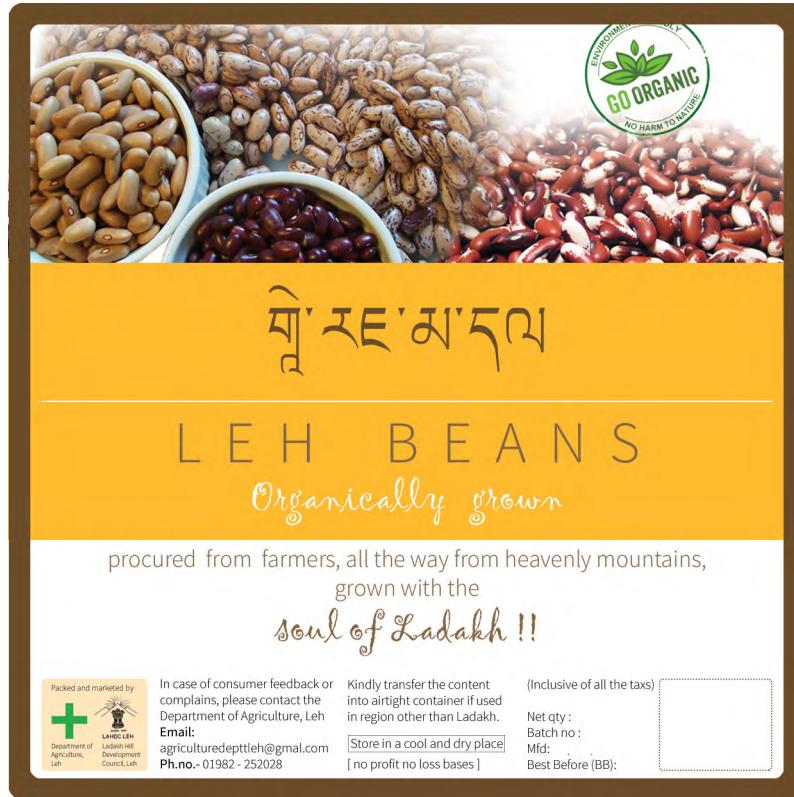
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- Artificial glacier project by LEdG in partnership with BORDA and TATA trust foundation

Project team



*Wheat, Barley, Rajama red beans and High altitude millet are major crops produced in Ladakh. LEdDeG tie up with local farmers to help create branding and facilitate agricultural produce market from remote regions of Ladakh.*

Project 3 // Graphic design support  
Location// Leh  
Project type// Agriculture produce packaging design



*My contribution in graphic design includes Leh beans label design for locally grown four varieties of red beans, intended to provide support and elevated platforms for organic farmers partnered with LEDeG.*

