



Wangditse Dzong Restoration Project

**Division for Conservation of Heritage
Sites**

Department of Culture

Ministry of Home and Cultural Affairs.

Wangditse Dzong Restoration Project

Location: Thimphu

Main Objectives of the Project:

To restore the Dzong back to its former glory

Main activities of the Project:

- To rebuild the walls to the same style as the South and West walls to create more symmetry and stable structure
- Retain precious debris of the Lhakhang, by retaining the inner leaf of the existing wall or by using special techniques to remove the plaster.
- The front elevation and former doorway to be improved by exposing the hidden kachens from the infill brick wall
- Improving the quality of all the windows, repairing and replacing necessary timber structure, improving the electrical wiring to be safer and less visible and to provide measures for local fire fighting

Funding Agency:

Royal Government of Bhutan.

Total allocated budget:

Nu. 110 Million

Executive Agency of the Project:

The Ministry of Home and Cultural Affairs is the main executing agency of the Project.

Implementing agency of the project:

The Ministry of Home and Cultural Affairs is the main executing agency of the Project. Under the chairmanship of the Secretary of the Ministry of Home and Cultural Affairs, and Wangditse Restoration Project management team is responsible for discharging administrative, technical, financial and organizational duties of the project.

Profile of the team :

1. Management team



Designation: Project Manager
Name: Dechen Dorji
Age: 44
Past Experiences: (21 yrs)
Phajoding Project (Project Manager)
Dzongkhag Engineering
Services, Thimphu
Punakha,
PWD, Thimphu



Designation: Project Architect (from 2013-2016)
Name: Kasumi Ishida
Age:
Past Experiences: (11 yrs)
Lhuentse Dzong Conservation Project (Project Architect)
Gasa Dzong Conservation Project (2013-2016) (Project Architect)
Tango Monastery Restoration Project 2012-2016 (Project Architect)
Chari Monastery Restoration Project 2015-2016 (Project Architect)



Designation: Project Architect (from 2016-)
Name: Pema
Age: 33
Past Experiences: (9 yrs)
Dagana Dzong Conservation (Project Architect)
Lhakhang Karpo Conservation Project (Project Architect)
Yongla Goenpa Reconstruction Project (Project Architect)
Pangrizampa Tara Lhakhang Construction Project (Project Architect)
Pema Gatshel Dzong Construction Project 2011-2015 (Project Architect)
Sarpang Dzong Construction Project 2013-2015 (Project Manager and Architect)
Phajoding Monastery Conservation Project 2014-2015 (Project Manager)
Chari Goenpa Restoration Project 2016- (Project Architect)

Wangditse Dzong RestorationProject



Designation: Project Engineer
Name: Dechen Wangmo
Age: 24
Past Experiences: (2 yrs)
Phajoding Monastery Conservation Project (Project Engineer)



Designation: Account Assistant Name: Tshaering Dorji
Age: 45
Past Experiences: (23 yrs)
Phajoding Monastery Conservation Project (Project Accountant)
Paro Dzong Conservation Project (Project Accountant)
Regional Immigration Officer, Phuntsholing (Accountant)



Designation: Store In charge
Name: Nim Dem
Age: 26
Past Experiences: (4yrs)
Lhakhang Karpo Conservation Project

2. Craftsmen



Designation: Zopen (Master Carpenter)
Name: Phurba Dorji
Age: 35
Past Experiences: (18 yrs)
Paro Dzong Conservation Project
Chukha Dzong Construction Project
Tashiling Lhakhang
Trongsa Dzong

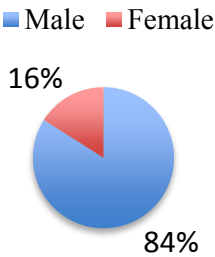


Designation: Dozop Lopen (Head Mason)
Name: Karma
Age: 60
Past Experiences: (29yrs)
Lhakhang Karpo
Datong Goemba
Trongsa Taa Dzong
Tango Dzong

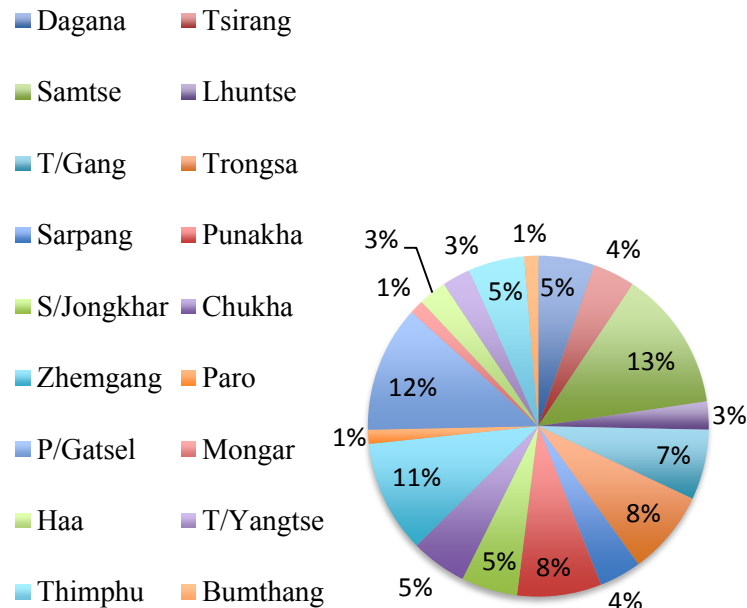
3. Workers

Carpenters: 18
Masons: 37
Casual Workers: 10
Sawmill operator- 1
Cable Operator- 1
Blacksmith- 1
Care Taker -1
Office assistant- 1
Total labour strength: 70

Male and female ratio



Workers count from all the Dzongkhags



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Physical Progress

As of January, 2017 65 % of the work is completed.



Construction of CRM Wall in mud mortar up to 1st floor level completed



Fitting and Fixing of Namtha Gosum, Kachen and Dungs Completed



Fitting & Fixing of Kikhor Planks

Wangditse Dzong Restoration Project



Fitting and fixing of battens, cham and planks for main lhakhang



Fitting and fixing of timber component including Gayka, Window, Door & Rabsay completed up to 1st floor level

Financial Progress.

The total budget allocated was Nu. 110 million out of which Nu 71.83 Million has used till January, 2017

Important points to be highlighted:

- Carried out training for masons and conservation professionals from Department of Culture on wall stitching and grouting.
- Wall paintings were restored using pigments and grouting to fix the detached canvas on the wall
- Older timber components were assessed using Resistograph and are proposed to re-use
- Used structural interventions such as bands (both RCC and timber) and vertical reinforcement (timber, bamboo, TMT bars and PVC pipe) to resist earthquake. The interventions also includes improving the joinery details and connection of timbers components with wall and wall intersections and quality of ramming.
- Archaeological Discovery – remains of back has been discovered clearly showing earlier location of the walls and discovery of earlier Zhali flooring.



Sketch of Wangditse Dzong by Samuel Davis in 1783