

Terms of Reference for Plumbing and Sanitation Expert for the OgyenCholing Foundation

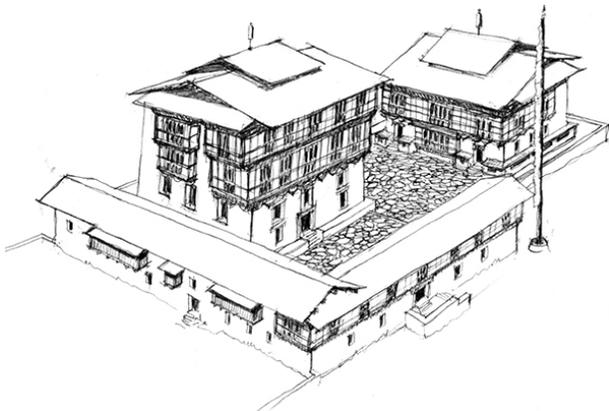
Background

The Ogyen Choling estate, in Tang gewog in Bumthang Dzongkhag comprises of a number buildings and structures dating back over many generations. The estate continues to play an important role in the life of the local community and is integral to the community's religious, social and cultural identity.

The estate has recently become a government approved registered Foundation. The main objectives are: 1) to preserve and maintain the buildings, temples and other structures and to uphold the religious and traditional legacies of Ogyen Choling and 2) contribute towards greater understanding and appreciation of Bhutan's traditional and cultural heritage at the local, national and international levels. The most important activity of the Foundation is the maintenance of the Ogyen Choling museum.

In order to sustain the foundation economically, parts of the buildings will be converted to guest rooms. The main challenge to remodeling some of the old structures into functional guest rooms are the sanitary installations. Any leakages or other failure of the plumbing and sanitation system could cause major damage to the buildings made with traditional stone walls and wood elements.

Detailed plan for the sanitary work has been prepared by experts from Switzerland with major attention to design systems that are simple but functional, and adapted to the existing structures. Following these plans material has been imported for 15 bath room units. The main elements imported are modular sets of toilet and shower units from Geberit of Switzerland and materials to install a photovoltaic system for water heating. Some of the bathrooms will be installed on wooden floors.



Scope of the work

The specialist will work with local specialists to install bathrooms, and other sanitary facilities. It is expected that at least 8 units of bathrooms will be installed/remodeled. These installations will include:

- Sealing of wooden floors
- Installing modular units for toilet and showers
- Installing the waste water lines

- Installing the booster pump system
- Installing a photovoltaic system for water heating

- Technical backstopping will be available through the expert who has prepared the plans and facilitated the material procurement, Walter Spielmann from Switzerland.
- The Foundation will provide food and board and travel within the country
- Funding for to cover travel expenditures could be explored
- Duration of input: 20-40 days
- Preferred dates: Ideal time would be the period June to early September