

# *Wangduephodrang Dzong Reconstruction Project*



## **Wangduephodrang Dzong Reconstruction Project**

**Division for Conservation of Heritage Sites**

**Department of Culture**

**Ministry of Home and Cultural Affairs.**

# ***Wangduephodrang Dzong Reconstruction Project***

**Location:** Choekhorthangkha, Wangdue Phodrang.

## **Main Objectives of the Project:**

To Reconstruct Wangduephodrang Dzong.

## **Main Activities of the Project:**

1. Preparation of Design and Drawings (Architectural & Structural)
2. Preparation of BoQ and Estimates
3. Reconstruction of the Dzong including furnishing and fixtures.
4. Landscaping and Site Developments.

## **Funding Agency:**

Government of India.

**Total Allocated Budget in 11<sup>th</sup> FYP (July 2014-June 2018):** Nu.600 Million

**Spill-over to 12<sup>th</sup> FYP (July 2018-July 2022):** Nu.400 Million

## **Executive Agency of the Project:**

The Ministry of Home and Cultural Affairs is the main executing agency of the Project. Wangduephodrang Dzong Reconstruction Project's Steering Committee, under the Chairmanship of Hon'ble Home Minister and Vice Chairperson, Hon'ble Health Minister, is responsible for discharging administrative, technical, financial and organizational duties of the project.

## **The Members of the Project Steering Committee Members are:**

- |  |                    |
|--|--------------------|
| 1. Minister, Ministry of Home and Cultural Affairs         | - Chairperson      |
| 2. Minister, Ministry of Health                            | - Vice Chairperson |
| 3. Director General, DoC, MoHCA                            | - Member Secretary |
| 4. Venerable Tshogi Lopen, Zhung Dratshang                 | - Member           |
| 5. Secretary, Ministry of Home and Cultural Affairs        | - Member           |
| 6. Secretary, GNHC   | - Member           |
| 7. Zimpon Wom, Office of Gyalpoi Zimpon                    | - Member           |
| 8. Director, Department of Forest and Parks services       | - Member           |
| 9. Chief Executing Officer, NRDCL                          | - Member           |
| 10. Dasho Zepon Wangchuk                                   | - Member           |
| 11. Lam Neten, Wangdue Rabdey                              | - Member           |
| 12. Dzongda, Wangdue Phodrang Dzongkhag Administration     | - Member           |
| 13. Thrizin, Dzongkhag Tshogdu, Wangdue Phodrang Dzongkhag | - Member           |

# ***Wangduephodrang Dzong Reconstruction Project***

## **Implementing Agency of the Project:**

Division for Conservation of Heritage Sites under the Department of Culture, Ministry of Home and Cultural Affairs is the main agency responsible for the implementation of the project.

## **Profile of the Team:**

### **1. Management Team.**



Designation: Project Director

Name: Kinley Wangchuk

Age: 50

Past Experience:

- The then Ministry of Home Affairs: 2 years.
- Punakha Dzong Renovation Project: 5 years.
- The then Ministry of Home Affairs: 4 years.
- Trongsa Dzong Renovation Project: 7 years.
- Chukha Dzong Construction Project: 6 years.
- Pema Gatshel Dzong Construction Project: 2 years.
- Wangduephodrang Dzong Reconstruction Project: 3 years.



Designation: Dy. Chief Accounts Officer

Name: Tshering Phuntsho

Age: 55

Past Experiences:

- Lhuntse Dzongkhag: 2 years.
- Punakha Dzongkhag: 5 years.
- Survey Department: 2 years.
- National Housing Development Corporation: 8 years.
- Royal Body Guard: 3 years.
- Bangladesh Embassy: 5 years.
- Agriculture Machinery Centre, Paro: 1 year
- Dzong Renovation Project, Paro: 4 years.
- Wangduephodrang Dzong Reconstruction Project: 3 years.

## *Wangduephodrang Dzong Reconstruction Project*



Designation: Project Engineer

Name: Drukpa Kinley

Age: 54

Past Experience:

- Department of Trade and Industry, MTI: 8 years.
- Teacher Training Centre, Paro: 4 years.
- Druk Construction: 1 year.
- National Technical Training Authority: 1 year
- UNICEF: 5 months
- Tashi Dawa Associates: 1 year.
- Youth Development Fund: 3years
- Druk Phuensum Construction: 3 years.
- Construction Development Corp.Ltd., Wangdue: 3 years.
- Wangduephodrang Dzong Reconstruction Project: 2 years.



Designation: Project Architect

Name: Dechen Yangzom Nedup

Age: 27

Past Experiences:

- Tourism Council of Bhutan: 3 years.
- Wangduephodrang Dzong Reconstruction Project: 2 years.



Designation: Structural Engineer

Name: Jigme Choden

Age: 26

Past Experiences:

- Division for Conservation of Heritage Sites, DoC, 3 years.



Designation: Sr. Forest Ranger

Name: Pema Dakpa

Age: 44

Past Experience:

- Divisional Forest Office, Gedu: 5 years.
- Dzongkhag Administration, Chukha: 12 years.
- Pema Gatshel Dzong Construction Project: 2 years.
- Wangduephodrang Dzong Reconstruction Project: 3 years.



## *Wangduephodrang Dzong Reconstruction Project*



Designation: Assistant Engineer (Electrical)

Name: Nidup Tshering

Age: 36

Past Experience:

- Division for Urban Development and Engineering Services, MoWHS: 1 year.
- Chukha Dzong Construction Project: 6 years.
- Division for Conservation of Heritage Sites, DoC: 1 year.
- Wangduephodrang Dzong Reconstruction Project: 3 years.



Designation: Assistant Engineer (Civil)

Name: Dorji

Age: 34

Past Experience:

- Dzongkhag Administration, Chukha: 9 years.
- Wangduephodrang Dzong Reconstruction Project: 2 years.



Designation: Administrative Officer

Name: Tandin Phub

Age: 27

Past Experience:

- Anti-Corruption Commission: 1 year.
- Wangduephodrang Dzong Reconstruction Project: 3 years.



Designation: Store In-Charge

Name: Karma

Age: 42

Past Experience:

- Dzongkhag Administration, Dagana: 3 years
- Immigration: 14 years
- Wangduephodrang Dzong Reconstruction Project: 3 years.



Designation: Accountant

Name: Lotay Tshering

Age: 33

Past Experience:

- Dzongkhag Administration, Punakha: 5 years.
- Wangduephodrang Dzong Reconstruction Project: 3 years.

## ***Wangduephodrang Dzong Reconstruction Project***



Designation: Engineer  
Name: Phuntsho Samdrup  
Age: 25  
Past Experience:

- Wangduephodrang Dzong Reconstruction Project: 1 year.

### **2. Drivers:**



Designation: Driver  
Name: Bhakta Bdr. Thapa  
Age: 30  
Past Experience:

- Dorji & Om Construction, Wangdue: 4 years.
- Wangduephodrang Dzong Reconstruction Project: 1 year



Designation: Driver  
Name: Bir Bdr. Mongar  
Age: 32  
Past Experience

- Chukha Dzong Construction Project: 3 years.
- Pema Gatshel Dzong Construction Project: 2 years.
- Wangduephodrang Dzong Reconstruction Project: 3 years



Designation: Driver  
Name: Rinchen  
Age: 31  
Past Experience:

- Wangduephodrang Dzong Reconstruction Project: 2 years.



Designation: Driver  
Name: Tshering Dorji  
Age: 25  
Past Experience:

- Pema hiring: 2 years.
- Wangduephodrang Dzong Reconstruction Project: 1 year.

## *Wangduephodrang Dzong Reconstruction Project*



Designation: Driver

Name: Yeshey Samdrup

Age: 21

Past Experience:

- Wangdue Dzong Conservation Project: 2 years.
- Wangduephodrang Dzong Reconstruction Project: 3 years.

### **3. Dozo lopens, Zopens and Lajab:**



Designation: Dozop Lopen

Name: Milan Biswa

Age: 35

Past Experience:

- Punakha Dzong Ren. Project: 1 year.
- Taktshang Ren. Project, Paro: 2 years.
- Chukha Dzong Const. Project: 3 years.
- Dechenphu Lhakhang Ren.: 2 years.
- Pangri Zampa Lhakhang Const.: 1 year.
- Wangdue Dzong Cons. Project: 5 years.
- Wangduephodrang Dzong Reconstruction Project: 3 years.



Designation: Zopon

Name: Dorji

Age: 64

Past experiences:

- Wangdue Dzong Renovation: 1 year
- Renovation of Tango Dzong: 6 years
- Renovation of Punakha Dzong: 1 year
- Construction of Khotha Rinchenling Sedra, 8 years
- Construction of Dolung Goenpa, 1 year
- Construction of Wachey Lhakang, 1 year
- Renovation of Kazhi Lhakang: 1 year
- Wangduephodrang Dzong Reconstruction Project: 2 years

## *Wangduephodrang Dzong Reconstruction Project*



Designation: Zopon Wom

Name: Tshagay

Age: 60

Past Experiences:

- Renovation of Punakha Dzong, 5 years
- Construction of Supreme Court, 3 years
- Wangdue Dzong Reconstruction Project, 3 years



Designation: Zopon

Name: Gyembo

Age: 48

Past Experiences:

- Kotha Rinchenling, 4 years
- Rinchengang Lhakhang, 1 year
- Khujula Goenpa, 2 years
- Pangsho Goenpa, 1 year
- Nabisa, 1 year
- Wangdue Dzong Reconstruction Project, 3 years



Designation: Dozop Lupon

Name: Phurba

Age: 50

Past Experiences:

- Punakha Dzong Renovation, 4 years
- Rinchenling Penjor Lhakhang, 1 year
- Rinchenling Zulhakhang, 1 year
- Nizergang Lhakhang, 2 years
- Khujula Lhakhang, 1 year
- Chapcha Gangkha Lhakhang, 1 year
- Bajo Lhakhang, 1 year
- Dorlogoenpa Lhakhang, 1 year
- Bumthang Chokorgee, 1 year
- Pro Dongkola Lhakhang, 1 year
- Wangdue Dzong Reconst. Project, 3 years



## *Wangduephodrang Dzong Reconstruction Project*



Designation: Rimo Lupon

Name: Choki Dorji

Age: 37

Past Experiences:

- Druk Wangyel Lhakhang, 3 years
- Rinchenling Shedra, 1 year
- Dolay Goenpa Lhakhang, 2 years
- Wangdue Dzong Reconstruction Project, 3 years



Designation: Lhadri Lupon

Name: Dorji

Age:

Past Experiences:

- Punakha Dzong Renovation, 8 years
- Nobgang Lhakhang Renovation, 2 years
- Paro Dzong Renovation, 1 year
- Dechenphu and Pangrezampa Lhakhang Renovation, 3 years
- Wangdue Dzong Renovation, 3 years
- Wangdue Dzong Reconstruction Project, 2 years



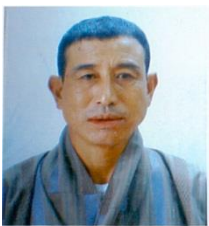
Designation: Lajab

Name: Tshering Dorji

Age:

Past Experiences:

- Chukha Dzong Construction Project, 5 years
- Haa Dzong Construction, 2 years
- Wangdue Dzong Reconst. Project, 3 years



Designation: Lajab

Name: Pem Dorji

Age: 50

Past Experiences:

- BTCL, himphu: 3 years.
- Wangduephodrang Dzong Reconstruction Project: 3 years

## *Wangduephodrang Dzong Reconstruction Project*



Designation: Lajab

Name: Pem Dorji

Age:

Past Experiences:

- Punakha Dzong Renovation, 3 years
- Paro Taktsang, 2 years
- Chukha Dzong Construction Project, 6 years
- Pemagatshel Dzong Construction, 2 years
- Wangdue Dzong Reconstruction Project, 3 years



Designation: Lajab

Name: Pema Tshering

Age: 65

Past Experiences:

- Tsirang Dzongkhag: 10 years.
- Bumthang Dzongkhag: 9 years.
- Wangdue Dzongkhag: 2 years.
- Wangduephodrang Dzong Reconstruction Project: 2 years.

### **4. Supporting Staffs**



Designation: Store Asst.

Name: Dambar Bdr. Ghishing

Age: 50 years

Past Experiences:

- Chukha T/Sham PWD, 4 years
- Thimphu PWD, 1 year
- Chukha Dzong Construction Project, 6 years
- Pemagatshel Dzong Construction Project, 2 years
- Wangdue Dzong Reconstruction Project, 3 years



Designation: Store Asst.

Name: Lobzang Dorji

Age: 28

Past Experiences:

- Wangdue Dzong Reconstruction Project, 3 years

## *Wangduephodrang Dzong Reconstruction Project*



Designation: Dispatcher

Name: Rinzin Dema

Age: 28

Past Experiences:

- Wangdue Dzong Renovation, 4 years
- Wangdue Dzong Reconstruction Project, 3 years



Designation: Work Asst.

Name: Sangay Wangmo

Age: 22 years

Past Experiences:

- Wangdue Dzong Reconstruction Project, 3 years



Designation: Work Asst.

Name: Passang Dorji

Age: 25

Past Experiences:

- Wangdue Dzong Reconstruction Project, 3 years



Designation: Guest House Keeper

Name: Pema Choden

Age: 42

Past Experiences:

- Punakha Dzong Renovation, 8 years
- Dechenphug and Pangrezampa, 3 years
- Wangdue Dzong Renovation, 4 years
- Wangdue Dzong Reconstruction Project, 3 years



Designation: Health Worker

Name: Dechen Zangmo

Age: 23

Past Experiences:

- Wangdue Dzong Reconst. Project, 1 year

## *Wangduephodrang Dzong Reconstruction Project*



Designation: Timber Asst.

Name: Hema Devi Tamang

Age: 30

Past Experiences:

- Tsirang Dzong Construction, 1 years.
- Wangdue Dzong Renovation, 3 years
- Wangdue Dzong Reconst. Project, 1 year



Designation: Timber Asst.

Name: Pema Deki

Age: 27

Past Experiences:

- Jigme Dolamite, 4 years.
- LD Workshop, 1 year
- Wangdue Dzong Reconst. Project, 1 year



Designation: Timber Asst.

Name: Kinga Norbu

Age: 27

Past Experiences:

- Pemagatshel Dzong Reconstruction Project, 1 year.
- Wangdue Dzong Reconst. Project, 1 year



Designation: Timber Asst.

Name: Tekman Waiba

Age: 28

Past Experiences:

- Pemagatshel Dzong Reconstruction Project, 1 year.
- Wangdue Dzong Reconst. Project, 1 year



Designation: Work Asst.

Name: Kinzang Wangdi

Age: 38

Past Experiences:

- Chukha Dzong Construction, 5 years
- Haa Lhakhang Karpo, 1 year
- Wangdue Dzong Reconst. Project, 1 year

## *Wangduephodrang Dzong Reconstruction Project*



Designation: Accounts Asst.

Name: Sangay Wangmo

Age: 31 years

Past Experiences:

- Zindra Automobiles, 3 years
- Youth Centre, 1 year
- Wangdue Dzong Reconstruction Project, 3 years



Designation: Personal Assistant

Name: Phub Gyelmo

Age: 33

Past Experiences:

- Dzongkha Language Institutue, 2 years
- Wangdue Dzong Reconstruction Project, 1 year



Designation: Office Asst.

Name: Ugyen Dema

Age: 28

Past Experiences:

- Wangdue Dzong Reconstruction Project, 1 year



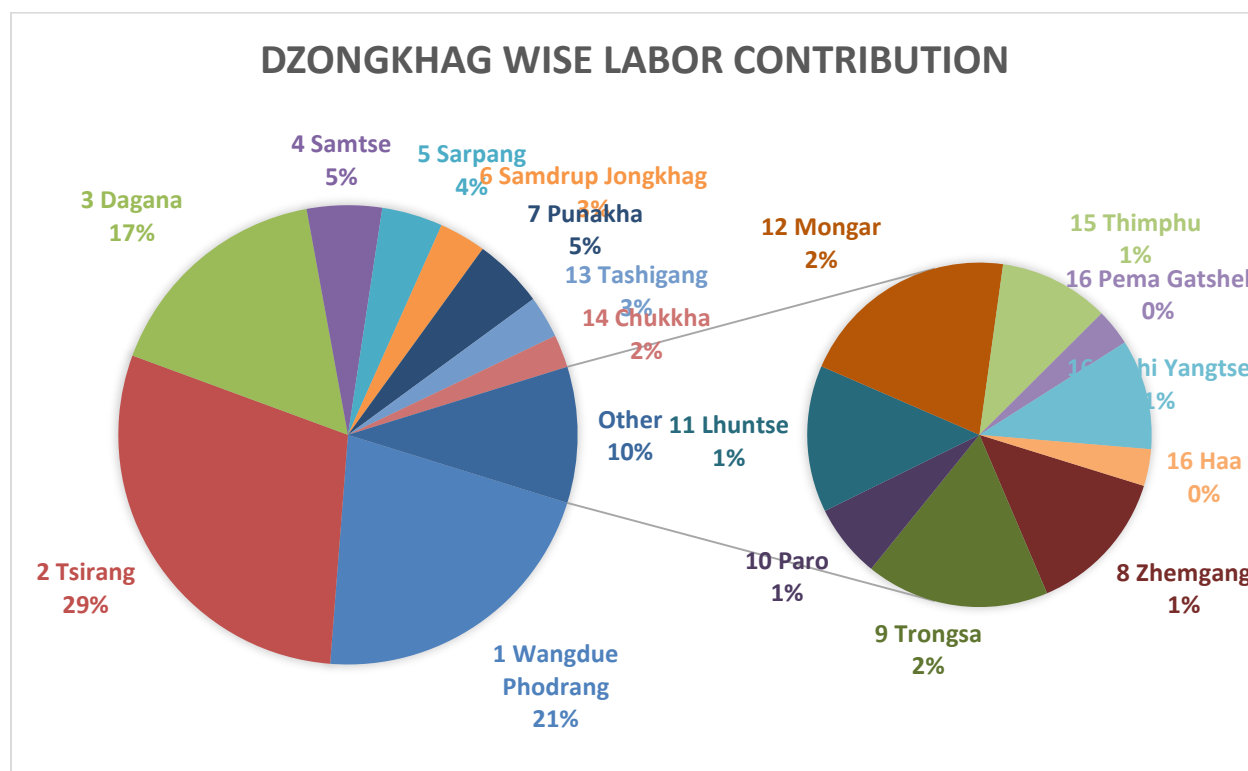
## *Wangduephodrang Dzong Reconstruction Project*

### 5. Skilled Workers

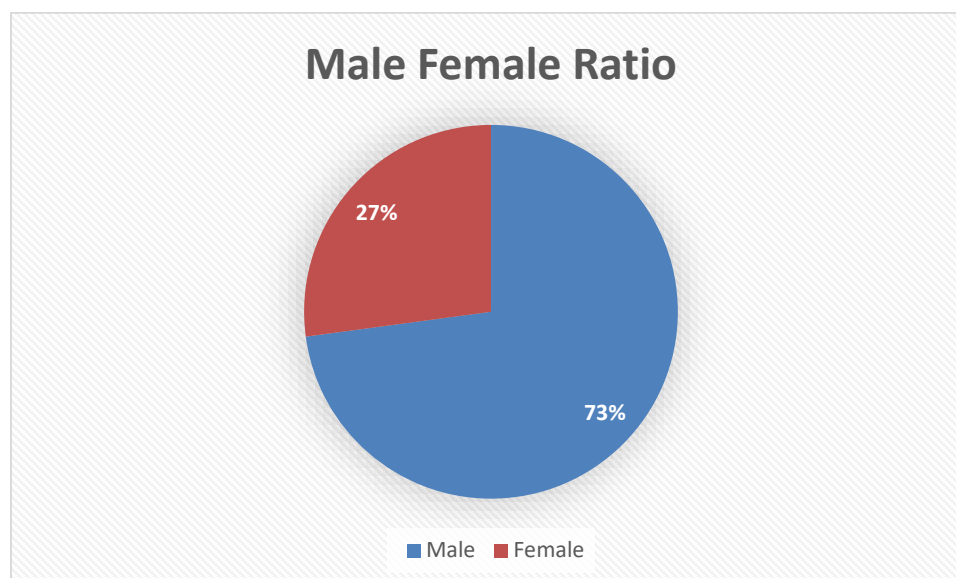
| Sl. No.            | Category                                   | Total strength |
|--------------------|--|----------------|
|                    | Painter Gd. I                              | 2              |
| 3                  | Painter Gd. III                            | 1              |
| 4                  | Painter Gd. IV                             | 1              |
| <b>Total</b>       |  | <b>4</b>       |
| 5                  | Electrician Gd I                           | 2              |
| 6                  | Electrician Gd. II                         | 1              |
| <b>Total</b>       |  | <b>3</b>       |
| 8                  | Plumber Gd. I                              | 1              |
| 9                  | Plumber Gd. III                            | 1              |
| <b>Total</b>       |  | <b>2</b>       |
| 11                 | Black Smith Gd. I                          | 1              |
| 12                 | Black Smith Gd. II                         | 1              |
| <b>Total</b>       |  | <b>2</b>       |
| 13                 | Mason Gd. I                                | 40             |
| 14                 | Mason Gd. II                               | 36             |
| 15                 | Mason Gd III                               | 18             |
| 16                 | Special Category (Grade IV)                | 21             |
| <b>Total</b>       |  | <b>115</b>     |
| 16                 | Casual Labor                               | 72             |
| 17                 | Supporting Staff on Musterroll @Nu.286/day | 15             |
| <b>Total</b>       |  | <b>87</b>      |
| 19                 | Carpenter Gd. I                            | 9              |
| 20                 | Carpenter Gd. II                           | 19             |
| 21                 | Carpenter Gd. III                          | 43             |
| 22                 | Carpenter Gd. IV (Zaw Lashey)              | 6              |
| 23                 | Sawyer Gd. I                               | 1              |
| 24                 | Sawyer Gd. III                             | 3              |
| 25                 | Sawyer Gd. IV                              | 1              |
| <b>Total</b>       |  | <b>106</b>     |
| <b>Total Labor</b> |  | <b>327</b>     |

# Wangduephodrang Dzong Reconstruction Project

## Dzongkhag-wise Labour Count:



## Male and Female Ratio:



# *Wangduephodrang Dzong Reconstruction Project*

## **Physical Progress:**



*Figure 1. Consecration of Kuenrey on 20<sup>th</sup> April 2016*

As per His Majesty the King's Command, the Kuenrey was completed before the Zhabdrung Kuchoe on April 2016. The two-storied Kuenrey with a basement consecrated on 20<sup>th</sup> April 2016 coinciding with the 400 years of Zhabdrung Ngawang Namgyal.



*Figure 2. Current Progress of Utse. View from First Court Yard*



## *Wangduephodrang Dzong Reconstruction Project*

The foundation of the Utse, constructed with Base Isolation Technology which is the first of its kind, was also successfully completed by end of April. With the completion of wall construction up to the first floor at Gayka level, 35% of the Utse structure is completed.



*Figure 3. Inside view of first floor of Utse showing the current progress*

In the First Courtyard, the Dzongkhag Administration offices, the structures that have been constructed are the westside Chamkhang, DT Hall and public toilet on the Tsangchu side, and the eastside Chamkhang, the Guest room and toilet with basement on the Dangchu side. The finishing works are in progress. The first floor that will be constructed above the mentioned rooms along with the roofing are scheduled to be completed by the end of June 2017. These will include the Guru Lhakhang and the residence for Kuenyers (Lhakhang care-takers) on the Dangchu side, and offices of Civil Registration, DT Chairperson and Land Records on the Tsangchu side.



## *Wangduephodrang Dzong Reconstruction Project*



*Figure 4. Progress in the First Court Yard, Dangchu Side.*



*Figure 5. Progress in First Court Yard, Tsangchu Side*



## *Wangduephodrang Dzong Reconstruction Project*



*Figure 6. Overall physical progress, View from Tsangchu side*



*Figure 7. Overall physical progress, View from Dangchu side*

## ***Wangduephodrang Dzong Reconstruction Project***

### **Financial Progress:**

As of January, 2017, around 38% of the physical works has been achieved. From the total allocated budget of Nu.1000 million, Nu. 324.007 million has been spent which accounts to about 32.47% of the total estimated budget.

### **Important Points to be Highlighted:**

Wangduephodrang Dzong was to be completed by June 2018 during the initial stage of planning. The Dzong was to be constructed from the Dochey level, on the existing wall foundation without any modern interventions. However, during the execution of the work, it was found that most of the old foundation walls were not stable so they had to be brought down and reconstructed from the foundation level. It was also decided that the incorporation of base isolation foundation and other seismic resilience design were to be implemented into the Dzong construction especially the Utse structure.

With all the new interventions set in place, the Wangduephodrang Dzong is scheduled to be completed at the end of 2021.