THE RESTORATION OF THE
BHANDARKHAL GARDEN & WATER ARCHITECTURE

AT PATAN DARBAR PALACE COMPLEX – A UNESCO WORLD HERITAGE SITE
Immediately after the first earthquake people sought refuge in the garden. For over two months more than 50 families who had lost their houses were living in tents in the garden.
Installation of the new water line | 2015

Histocic water supply channel | 2015
The interlocking terracotta channels were carefully cleaned and sealed with mud and brick above.

Tusha hiti water spout | 2009
In 2009 the historic water line dating back to the 17th century was still providing clean water even though it dried up during the spring months.

Tusha hiti water spout | 2015
Six years later water supply has almost completely stopped. The little water that occasionally runs is heavily polluted.
Tunneling under the East wing
The new water line was installed at a depth of 3 meters.

Historic (17th century) water supply disconnected

Historic water supply
The terra cotta channels dating from the 17th century were restored

Tusha Hiti step well

overflow carrying water back to the tank
Underground pump house with a 1 HP pump installed

Historic water line
The terracotta channel dating from the 17th century was restored and brings water from the original sources.

Main line from the historic water supply system
The 17th century terra cotta tiles were restored and the channel water proved.

New water line
1” galvanized pipe

Location of the future filtration system

Main water line to Tusha Hiti step well
This is the location of a future man hole where water will be diverted to a filtration system.