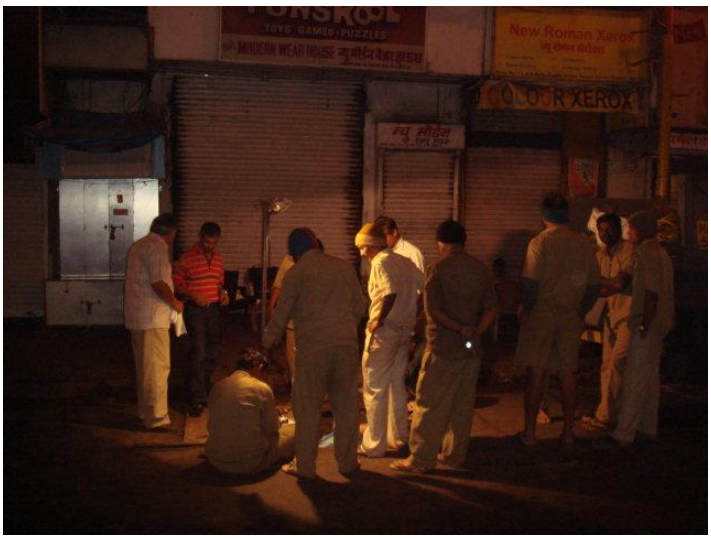
Ecopower Pvt. Ltd.
Energy Saving Solutions

Ecopower's Cold Welding technology is tested by the MCGM to repair a Cast Iron valve containing a crack.

BMC officials summoned Ecopower to repair a cast iron piping system, located five feet underground at Kemps Corner in Mumbai. The test was carried out at 0100 hrs on the 25th of February 2010.

This test report is based on the repair of a three inch crack using the revolutionary Cold Welding technology, as opposed to:

1. Digging a 12 foot long and 6 foot deep trench in the road, from the surface to the lower part of the pipe.
2. Cutting the cast iron pipe and removing it from the ground using a crane or other heavy machinery.
3. Repairing the damaged portions at the workshop, as simple heat welding cannot be carried out on cast iron.
4. Creating a temporary arrangement to allow continuous and uninterupted water supply, through the area that is missing the piping.
5. Replacing the repaired pipe back in the ground and reconnecting it.
6. Finally, filling the ground and smoothening the road surface.



MCGM and Ecopower's team at the site


High pressure, Cast iron valve leaking


Crack detected at the housing valve


Step 1:
Initial coating of Ecopower's Cold Welding is carried out

Step 2:
Wire mesh is placed over cold welding coating

Step 3:
Wire mesh is covered with a second coating of Ecopower's Cold Welding material

Step 4 (a):
Aluminum strip is used to secure the cold welding coating

Step 4 (b):
Aluminum strip is fastened from the opposite end using nuts and bolts

**The entire repair was carried out in thirty minutes.*