



PROJECT 7

MEKOROT WATER PIPELINES

Facilitating critical repairs to the three ‘lifelines’ of the Gaza Strip

Estimated Cost: US\$ 600,000 (EU and Government of the Netherlands financing) to facilitate up to **six months of repair works**, depending on extent of damage

Why it matters

The three Mekorot water supply lines constitute the primary potable water source for the population of the Gaza Strip. The pre-war water supply was 52,000 m³/day (2,200 m³ per hour) and supplying water for 2.1 million people across the Gaza Strip.

The challenge

Two years of war have caused repeated damage to the Mekorot lines, each time cutting off water to hundreds of thousands of people. The north and south lines are in particularly poor condition. Pipe repair materials have been depleted, and with spare pipes and fittings unavailable in Gaza, even minor faults go unrepaired for weeks, leaving the system one breakdown away from a major supply interruption.

Project objective

Equip the Gaza Coastal Municipalities Water Utility (CMWU) and Palestinian Water Authority (PWA) with a comprehensive Emergency Repair Kit, enabling rapid lifesaving repairs and maintenance interventions on the three Mekorot pipelines whenever damage, leakage, or operational failures occur. This project will ensure stable potable water supply across the Gaza Str, reducing reliance on emergency small scale desalination plants and water trucking for hundreds of thousands of people.

Expected impact

- Restore and stabilize the three Mekorot transmission lines, cutting downtime from failures and leakages.
- Secure safe drinking water access to residents and displaced populations, including restored supply to Khan Younis.

- Strengthen PWA and CMWU's emergency response capacity.
- Prevent further deterioration of the already fragile water supply system in the Gaza Strip.

Consequences of inaction for children

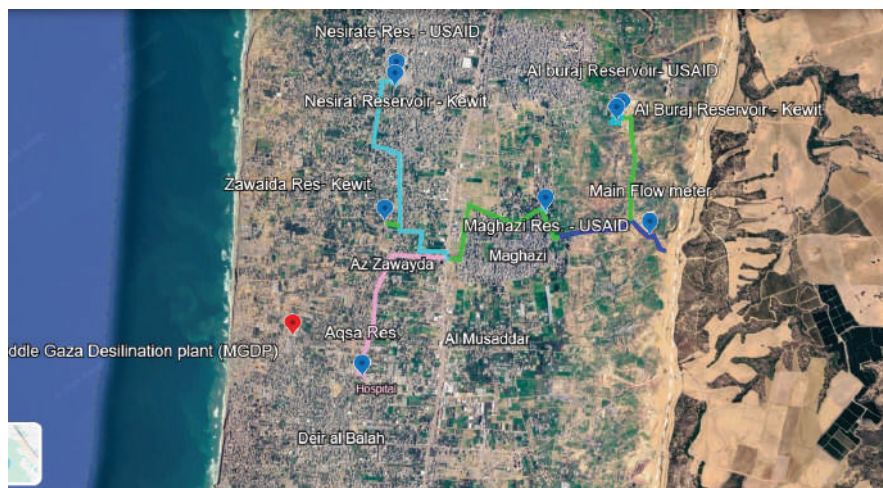
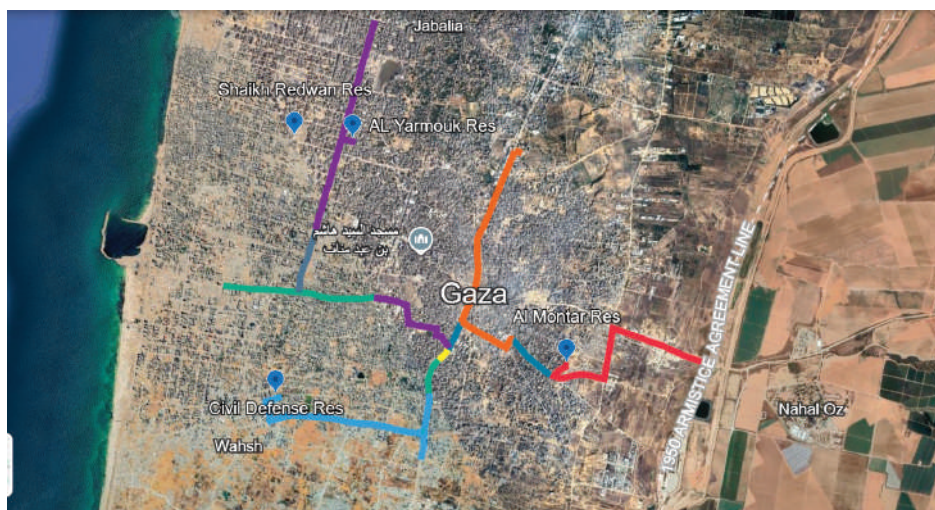
- Children, especially infants and malnourished children, face the highest risk of dehydration and health deterioration when water access is interrupted.
- Reliance on unsafe water sources raises children's exposure to waterborne illness and conditions that are fatal in young children.
- Disruptions to water supply strain health facilities, schools and shelters serving children and their families, further eroding the few services still available to them.

Maps

North Mekorot pipeline.

Location:

Gaza City; 31.3430712, 34.3274206



Middle Mekorot pipeline.

Location:

Middle Area; 31.417754°N 34.397966°E

South Mekorot pipeline.

Location:

South Area; 31.417754°N 34.397966°E

