



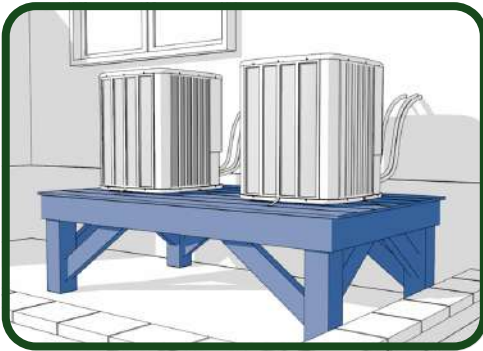
# RESIDENT LED INFRASTRUCTURE RISK REDUCTION MEASURES



As monsoon rains intensify across Pakistan's urban centers, **all residents are advised to take the following low-cost, practical measures** to protect their homes, communities and critical infrastructure from flooding and damage.

## Secure Household Electrical Systems

- Elevate switches, sockets, and appliances in ground floors to prevent short circuits during urban flooding.



## Clean Rooftop and Street Drains

- Clear rooftops, balcony spouts and nearby street drains of plastic bags and debris to avoid rainwater backing up into homes.



## Apply Low-Cost Waterproofing

- Use affordable waterproof coatings or bitumen sheets on rooftops and walls, especially in informal settlements.



## Raise Door Thresholds Temporarily

- Use bricks, sandbags, or cement plinths at door entrances during monsoon season to prevent rainwater intrusion.



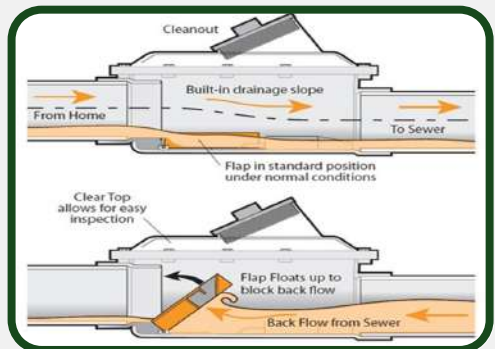
## Protect Water Tanks and Roof Fixtures

- Securely tie down plastic water tanks, satellite dishes, and solar panels to avoid them being blown away in storms.



## Install Low-Cost Sewer Backflow Valves

- Where feasible, install check valves to avoid sewage flowing back into homes during heavy rains.





# RESIDENT LED INFRASTRUCTURE RISK REDUCTION MEASURES



## Coordinate Community Drainage Drives

- Form small local groups to collectively clean neighborhood nullahs, culverts and lanes before the monsoon.



## Promote Soakage Pits and Green Corners

- In homes or mohallas with space, dig simple soakage pits or use plant-covered patches to absorb excess water.



## Build Neighborhood Sandbag Stockpiles

- Store sandbags in common spaces (like mosques or schools) for quick deployment during flash floods.



## Roof Bracing

- Use jacks, timber or bamboos to support roofs of kacha houses preventing collapse during heavy rainfall.



## Assess and Repair Wall Cracks

- Inspect walls, roofs and foundation for visible cracks and fill them with cement or sealants to prevent water seepage and structural weakening.



## Document Household Assets

- Keep paper or mobile phone records of household items and house conditions for possible compensation or aid claims.

