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# Cooling With Less Warming: Protecting Low-Income Communities from Extreme Heat



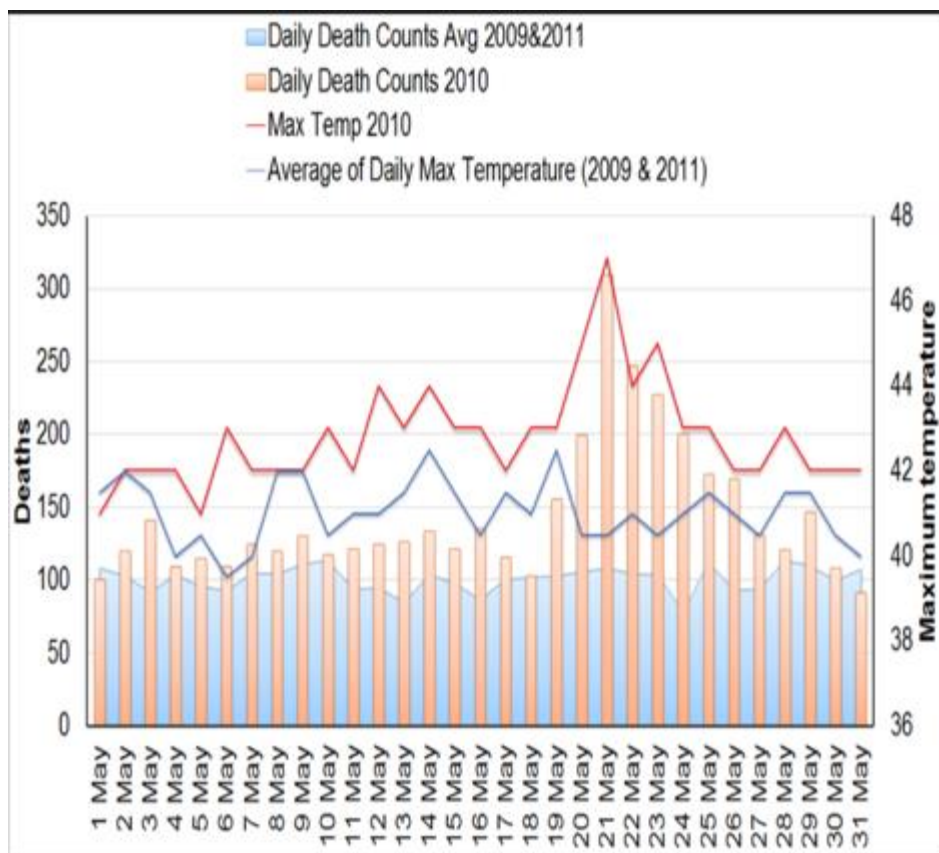
City and state cool roof programs in India

Technical Expert meeting on mitigation (TEM-M): Cool Buildings for All  
Polash Mukerjee, NRDC - September 30, 2020

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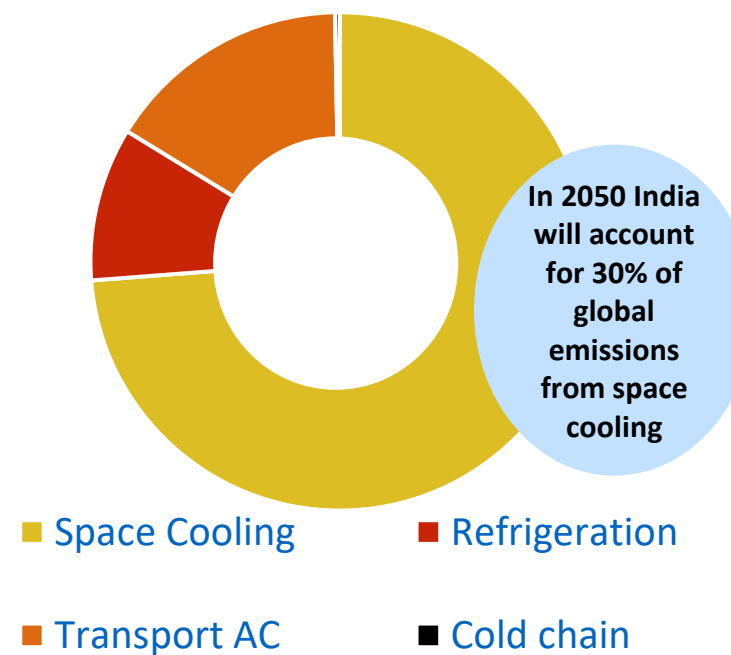
# Cooling Matters: Triple Threat

## Rising Temperatures Deadly Threat



Source: Azhar GS, Mavalankar D, Nori-Sarma A, Rajiva A, Dutta P, et al. (2014) Heat-Related Mortality in India: Excess All-Cause Mortality Associated with the 2010 Ahmedabad Heat Wave.

## Skyrocketing cooling demand To grow 8 times by 2038



Source: IEA Future of Cooling, 2018 (some values indicative only); Veiders et al. Future Atmospheric Abundances. 2015; India Cooling Action Plan 2019

## Emerging Economy, Rapid Urban Development



# 70%

OF THE BUILDINGS THAT WILL EXIST IN INDIA BY 2030 HAVE YET TO BE BUILT

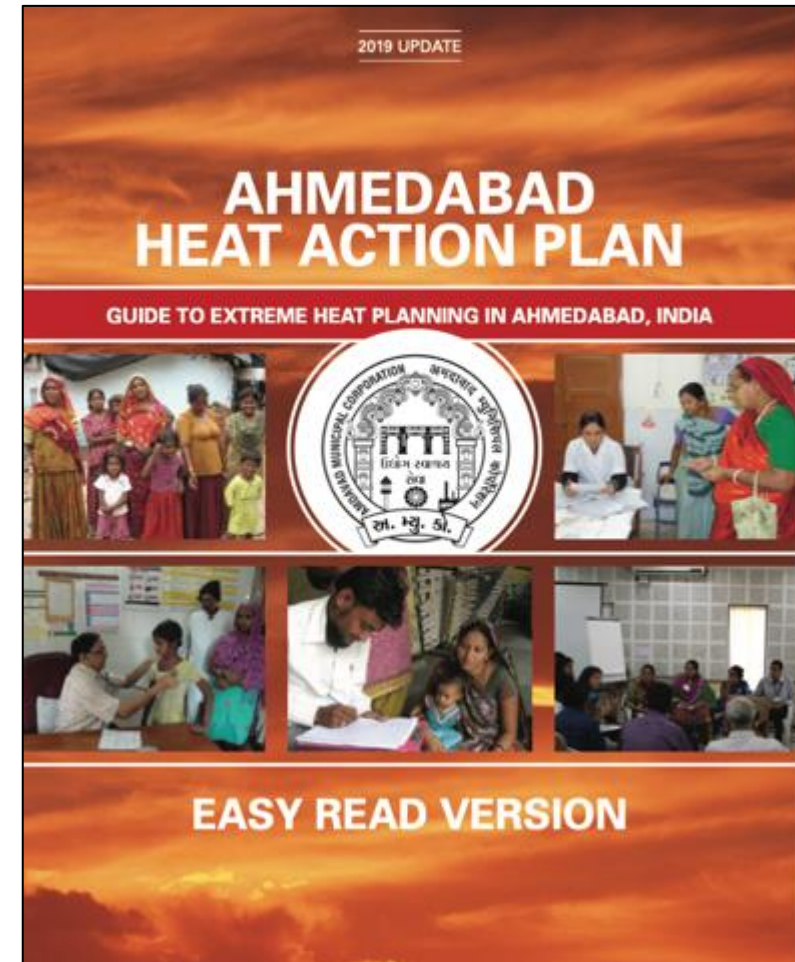
# People Oriented Solutions at Local Level

## Heat Action Plan

Poster on Extreme Heat in Ahmedabad



Ahmedabad Heat Action Plan



Heat Action Plan Scaled up to 23 States and over 100 Cities

### Partners





# Promoting Cool Cities with Focus on Low-income Communities



India Cooling Action  
Plan Goal:  
20-25% reduction in  
cooling demand by  
2038

Building Codes and  
Cool Roofs

Reducing Cooling  
Demand



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# THANK YOU

POLASH MUKERJEE  
LEAD- CLIMATE RESILIENCE & AIR QUALITY  
NRDC INDIA PROGRAM  
EMAIL: [PMUKERJEE@NRDC.ORG](mailto:PMUKERJEE@NRDC.ORG)

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