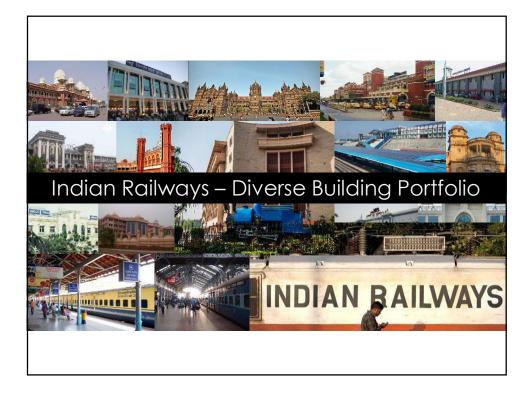
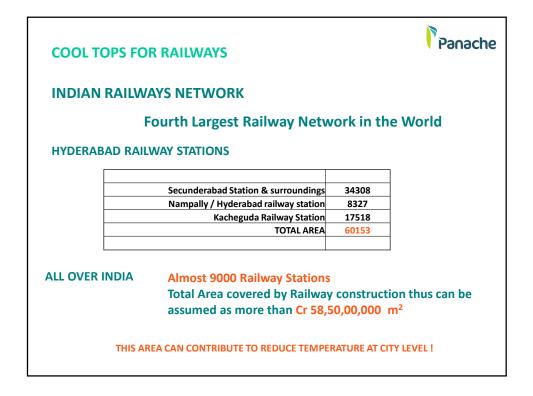
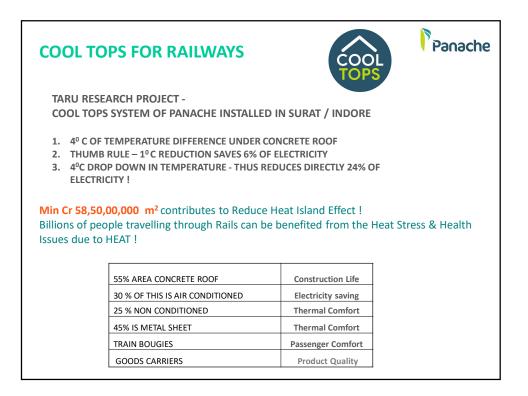


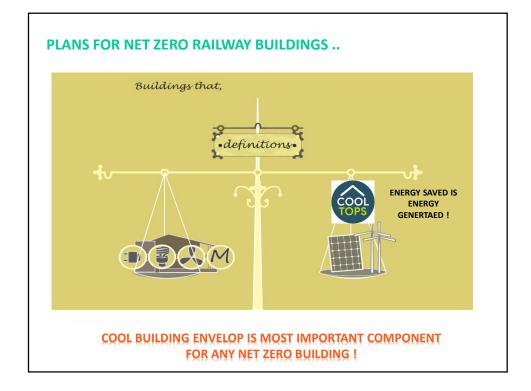
| | gh Albedo Pair ronic Manufac | | | | | | anach |
|-------------------------------|--|---------|--|---------------------------------|----------------------|------------------------------|---------|
| Design Parameters | | | | | | | |
| Factory floor area | | | 8021 sq | -m | | | |
| Location | | | Chenn | ai | | | |
| Factory set point temperature | | | 28°C | | | | |
| | Case 1 – Without High SRI C | | | | Case 2 – With High S | RI Coating | |
| | Surface SRI Emissivity Solar Reflectance | | 50 | | ce SRI | >100 | |
| | | | .84 | Emissivity Solar Reflectance | | 0.91 | |
| | | | 0.46 | | | 0.95 | |
| | Tonnage Required | 40 | 02 TR | | age Required | 385 TR 724 MWh | |
| | Energy Consumption | 901 MWh | | Lineig | a consumption | / 24 1010011 | |
| | Roofing Material - Gal | e Sheet | Roofing Material - Galvalume Sheet with SRI Coat | | | | |
| | Total CAPEX (INR) | | 2.73 cr | | Total CAPEX (INR) | 2.84 cr | |
| | | | | | | | |
| | 1.77 Lakh | Unit | <mark>s Saved F</mark> | er y | ear With Payback | <mark>(Period – 10 N</mark> | /Ionths |

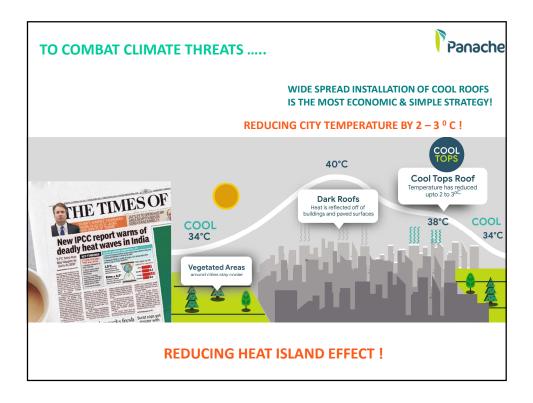












Live Example of City Temp Reduction by Installation of Cool Roofs



A Real-World Example of Global Cooling The whitewashed greenhouses of Almeria, Spain have cooled the region by 0.8 degrees Celsius each decade compared to surrounding regions, according to 20 years of weather station data.

Cool World : A Modest Proposal to Cool the Planet by Cooling the Neighborhood By- Allan Chen, (510) 486-4210, <u>a chen@lbl.gov</u>

Panache

"Cool roofs, Using them is a simple but effective solution to help reduce earth's climate change and large scale solutions to reducing global warming."











