

Climate Change and Healthcare

Low Carbon Strategies

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Climate Change and Healthcare Conference
Marrakech, 14 November 2016

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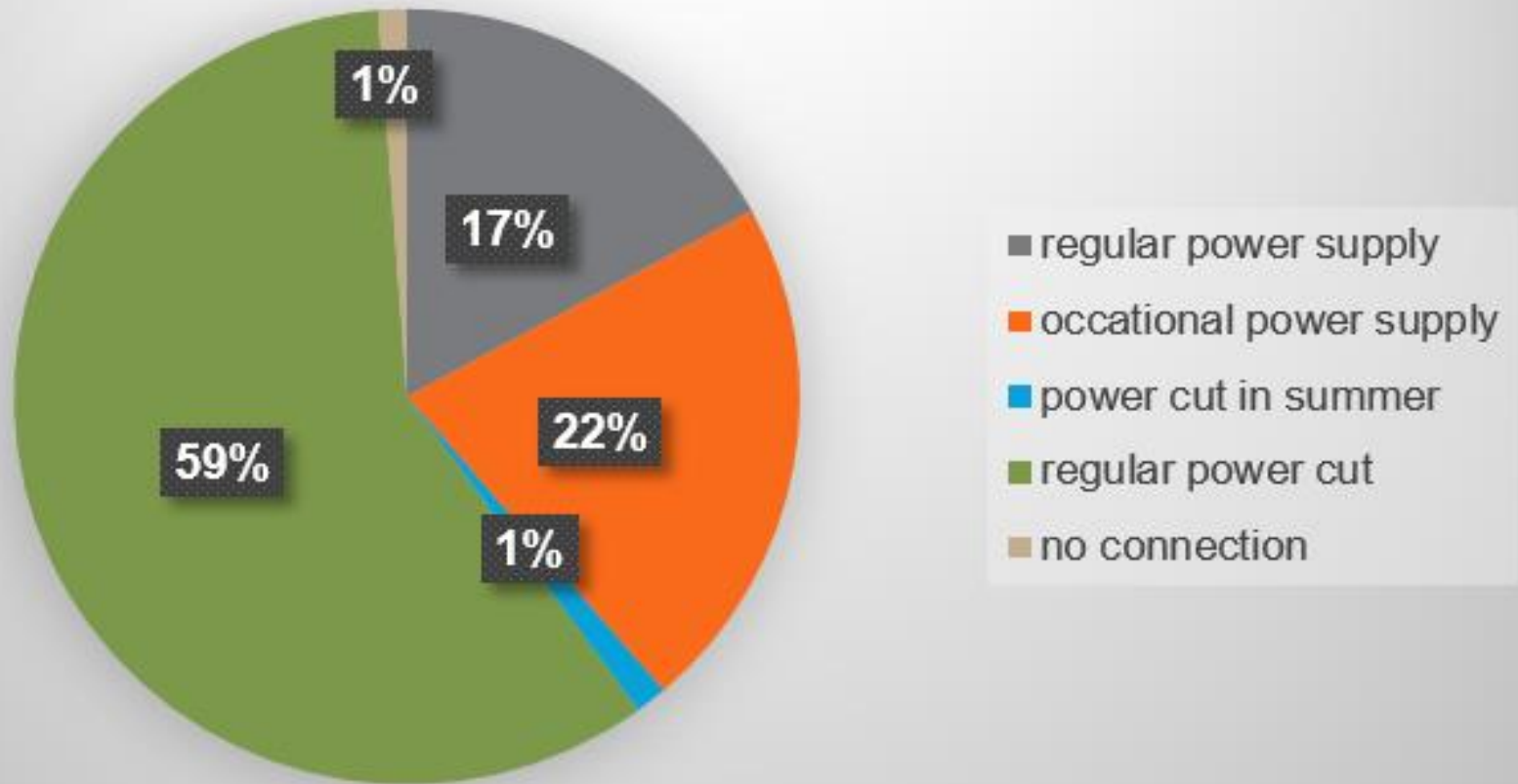
Health and Climate Change: Mitigation or Adaptation?

- Health – SDGs – Climate Change
- Climate impacts on healthcare
 - *Dynamic disease risk profile*
 - *Health system resilience*
- Low carbon strategy?
 - *Energy System Transformation*
 - *Health System Transformation*

Achieving Sustainable Healthcare

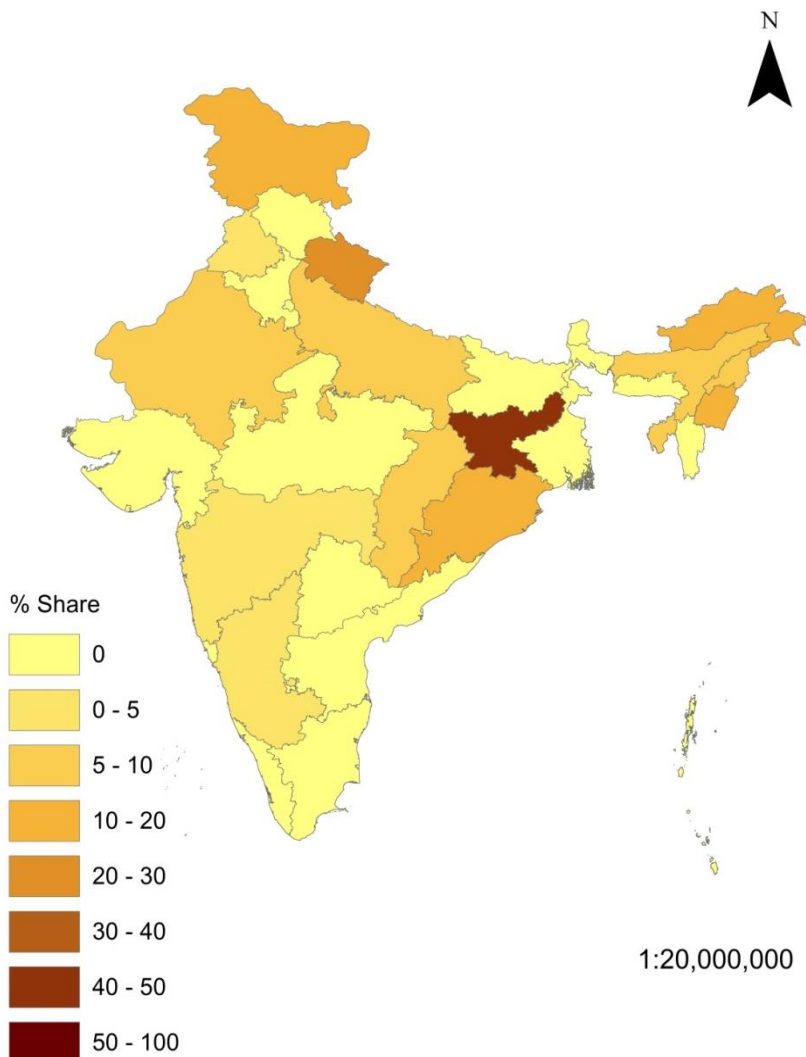
- Strengthening the primary health care system
 - *Delivering high quality care*
 - *Gradual increase in public health expenditure*
 - *Improvement in health outcomes*
 - *Cost reduction and efficient allocation of existing resources*

Is technology sufficient for resilience?



State of Electricity Access in Primary Health Centers in India

Share of Un-electrified Primary Health Centres across States



States	Share of PHCs without electricity
Jharkhand	42.5%
Uttarakhand	26.1%
Arunachal Pradesh	18.8%
Manipur	15.3%
Jammu & Kashmir	12.7%
Odisha	10.8%
Assam	8.9%
Chhattisgarh	8.8%
All India average	4.4%

Source: Rural Health Statistics 2015

Electricity Access for Primary Healthcare

- Health – primary goals for achieving basic HD
- 50% of all PHCs in India - **Un-electrified + Unreliable electricity**
- Need better understanding of energy needs of such facilities to design cost-effective and resilient solutions
 - **Better data: Need large-scale facility-level surveys**
 - **Proper impact evaluation of interventions**
- **Solar off-grid as a solution to augment the electricity gap:**

Potential of 2.3 GW

- 5-7 kWp solar system for a PHC

Initiative on Solar for Healthcare

- **MoU between Council on Energy, Environment and Water and Indian Council of Medical Research (ICMR), Government of India**

- **Improving access to healthcare through access to energy for community services**

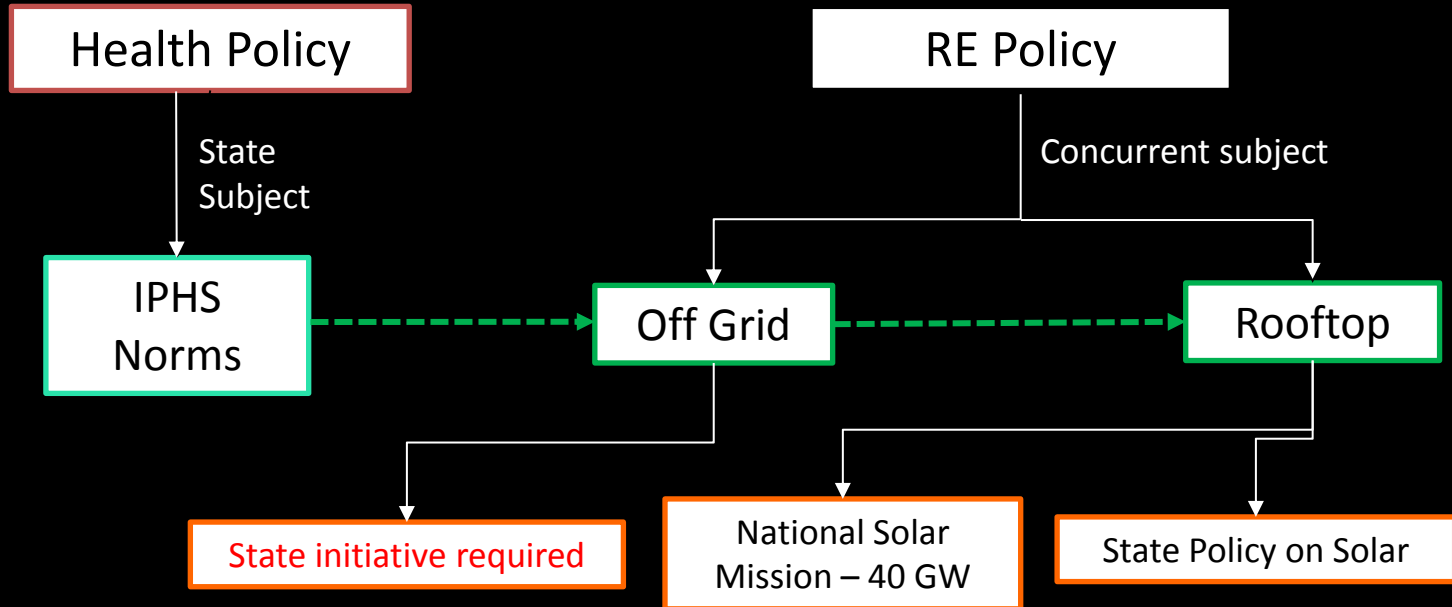
- **Policy Convergence – National Health Mission and National Solar Mission**
 - Increased likelihood of shorter ‘time to care’ with functional health facilities
 - Solar energy as a primary source of electricity rather than a back-up to the grid

- **Scaling the ‘Initiative for Solar in Healthcare’ (ISH)**



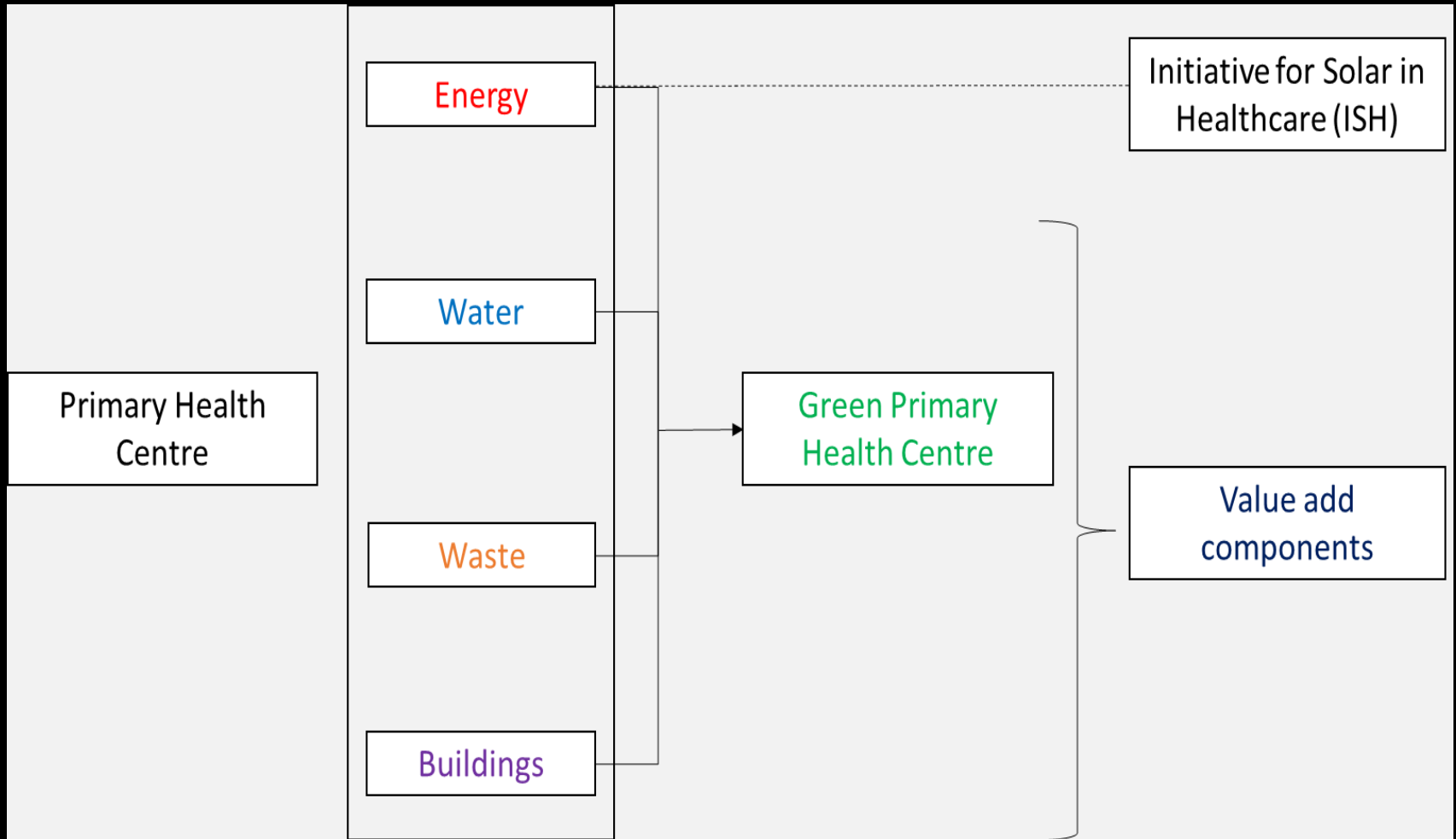
Signing of MoU between ICMR & CEEW

Recognising electricity access as critical infrastructure



- Awareness and Prioritisation
- Off-grid policy support
- Maximising utility of installations – Trade-off?
- Financing
- Coordination and integration – Institutions

Way forward: *Integrated planning*



Social Vaccine: A Paradigm Shift

- Health is not medicine
- Health System is not medicine care system
 - *Preventive + Curative*
- Health for all vs *health for those who can pay*
- Community as the core
- Appropriate technology as a driver

THANK YOU

<http://ceew.in/>