

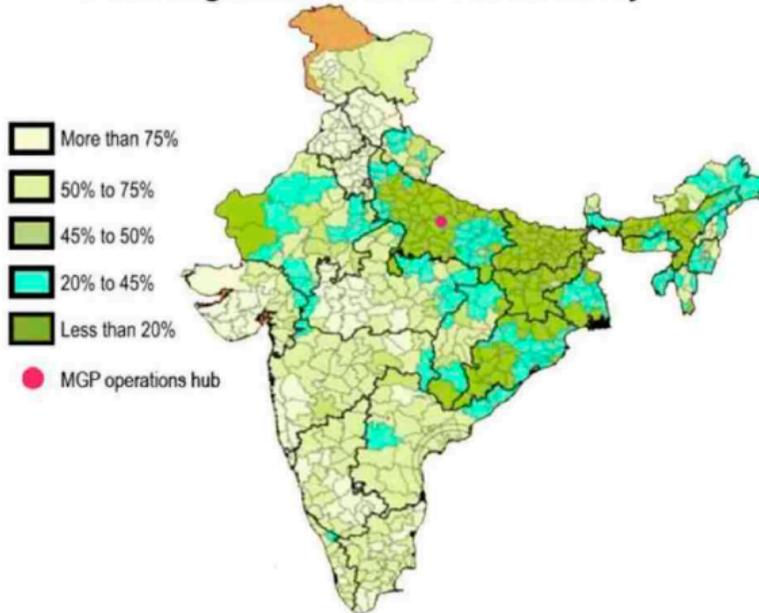


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1914

Percentage of Households with Electricity



Electricity connection does not ensure continuous or adequate supply of power for households and enterprises.

Most of the generation of electricity is based on coal with high CO₂ emissions.

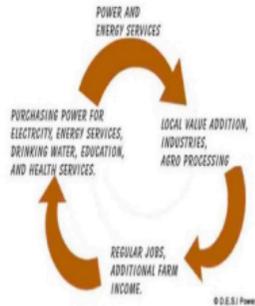
Source: "Sustainable and Renewable Energy Environment Scan / Demand Assessment, India", Grow Wellington, February 2009.



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**Breaking the vicious cycle of rural poverty
with electricity as the driving force
for sustainable rural livelihoods and energy services**

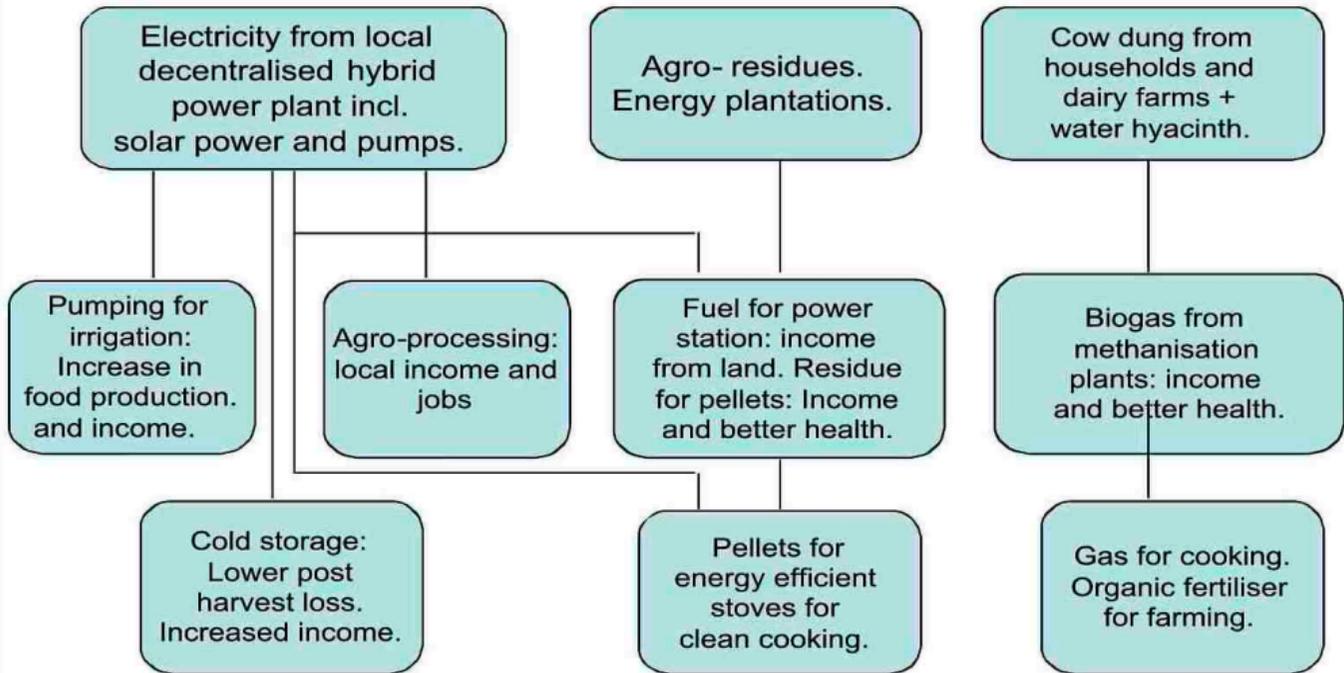


A holistic Solution





A typical example of village level integration





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People





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RENEWABLE ENERGY TECHNOLOGIES





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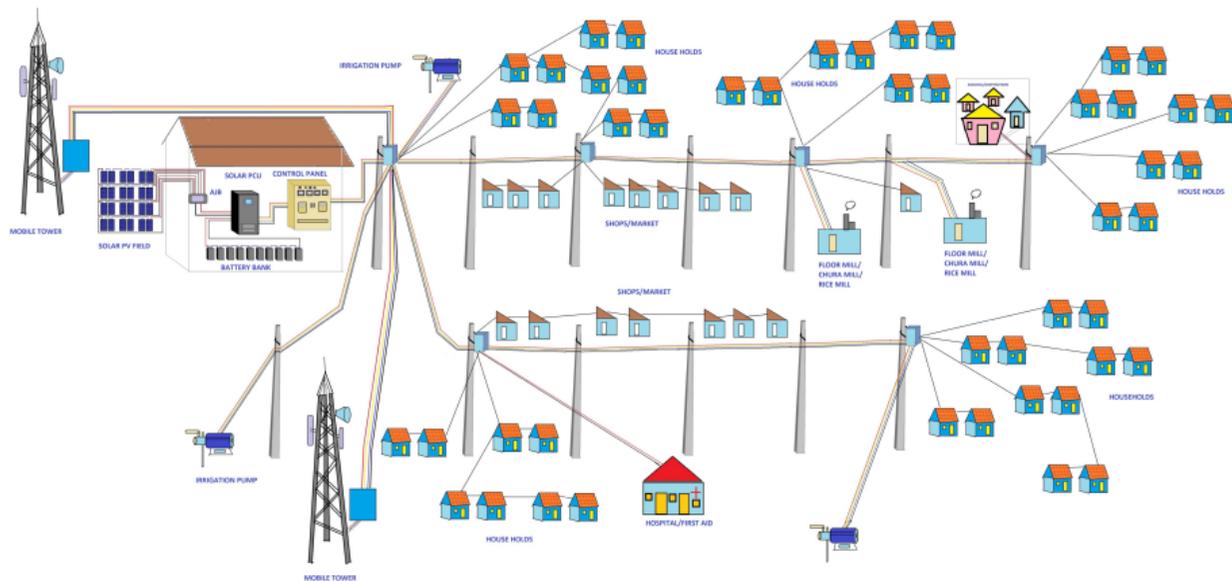


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Micro Grids for self-reliant and sustainable village development

DP_PV_30kWp_Plant Design Layout Drawing_Joy





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Power plants with micro - grids





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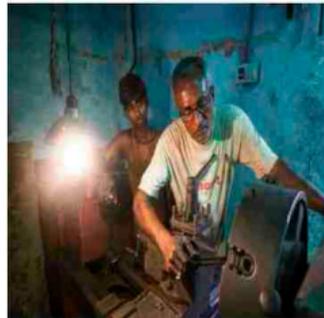
Irrigation water service provided by micro-grid driven pump or mobile units with solar PV or battery)



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Electricity-driven agro - based processing, enterprises and shops





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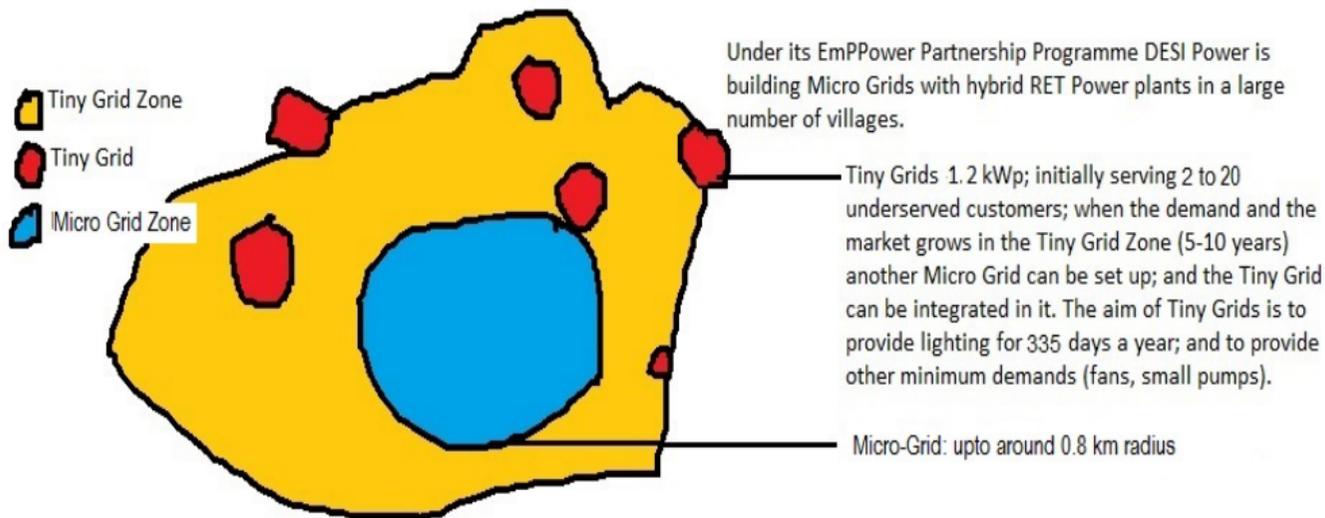


Green power for telecom towers from micro-grids





Tiny Grids for poor farmers and under-served villagers





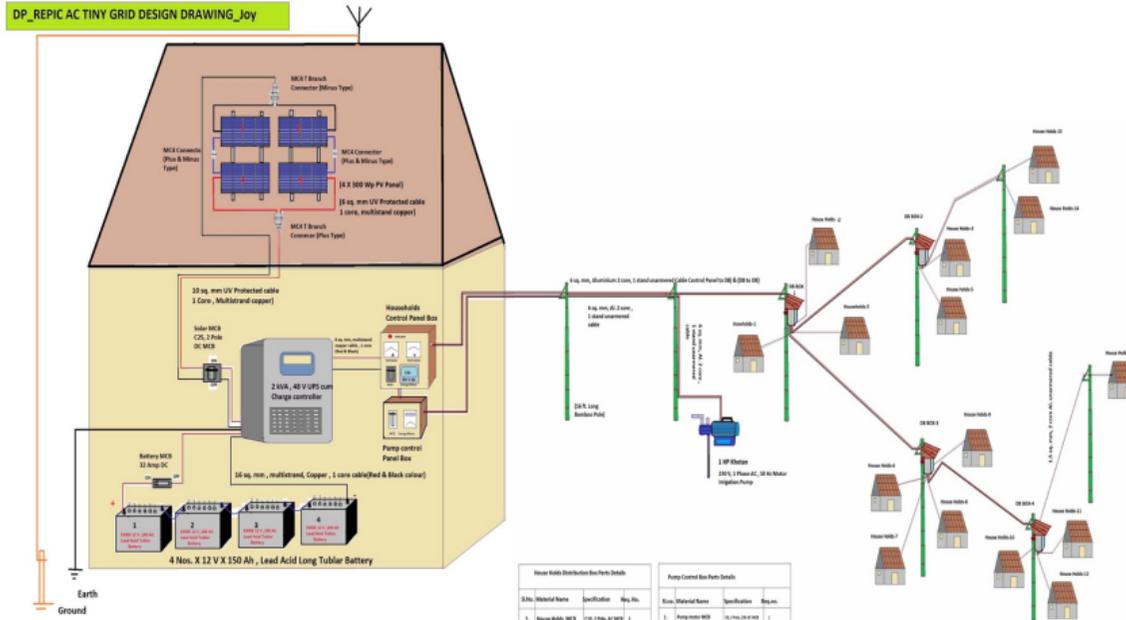
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Tiny Grids for poor farmers and under-served villagers





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DESI URJA DUKAN
PV with battery based “Tiny-Grid” for
small domestic and market loads



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Activities of DESI Power Foundation

- *To provide training and skill development courses for villagers and project staff.*
 - *To built and nurture pilot projects for subsequent large scale replication.*
- 1. DESI MANTRA Training Centre, the first project started in 2006.**
 - 2. Energy Plantations for fuel and food.**
 - 3. Clean Biomass Cooking Fuels.**
 - 4. "Kisanon ki Bari (Farmers' Garden).**
 - 5. DESI Gaon Safai Centre.**



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DESI MANTRA Training Centre, Araria .





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Biomass generation, procurement, processing and management



Biomass management: energy plants, plantations and agro-residues



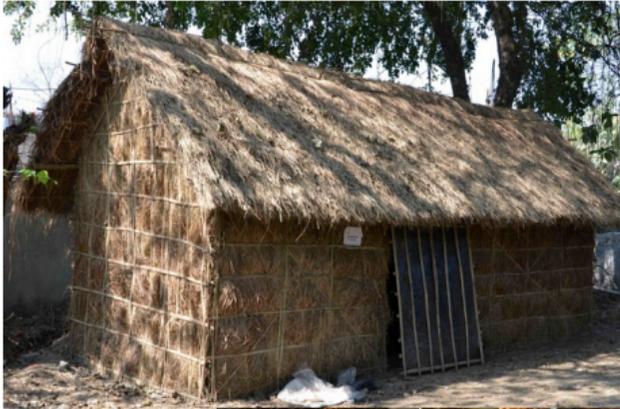
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Domestic energy services for clean cooking and lighting



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Landlose Tagelöhner bauen neue Produkte an: Bio-Insekten Spray und Pilze



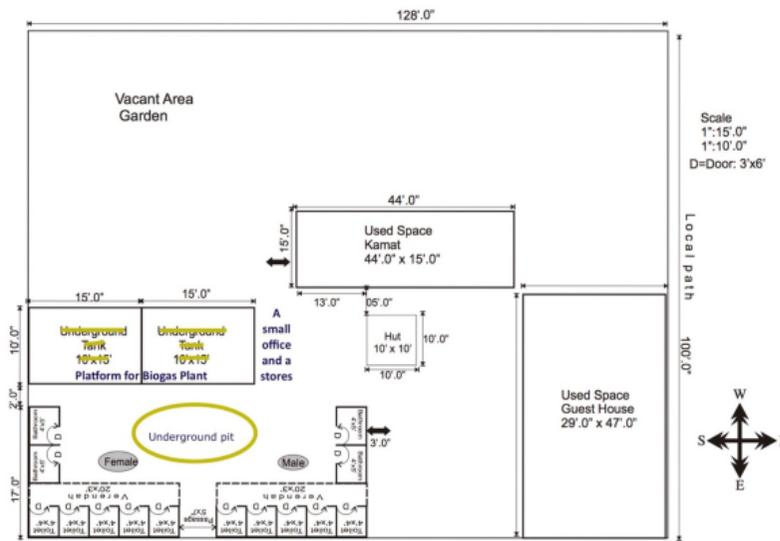
Wurm Kompostierung, Flüssigmist
von Biogas, Bio-Kompost mit oder
ohne Asche von Holzvergäsern und
Kochherden



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DESI Gaon Safai Centre [Village Hygiene Centre]



"Roof-Top" panels over the toilets
Similar "Roof-Top panels (N to S slope) over each bathroom.



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Biogas plant with cow dung and water hyacinth in DESI Gaon Safai Centre [Village Hygiene Centre]

