



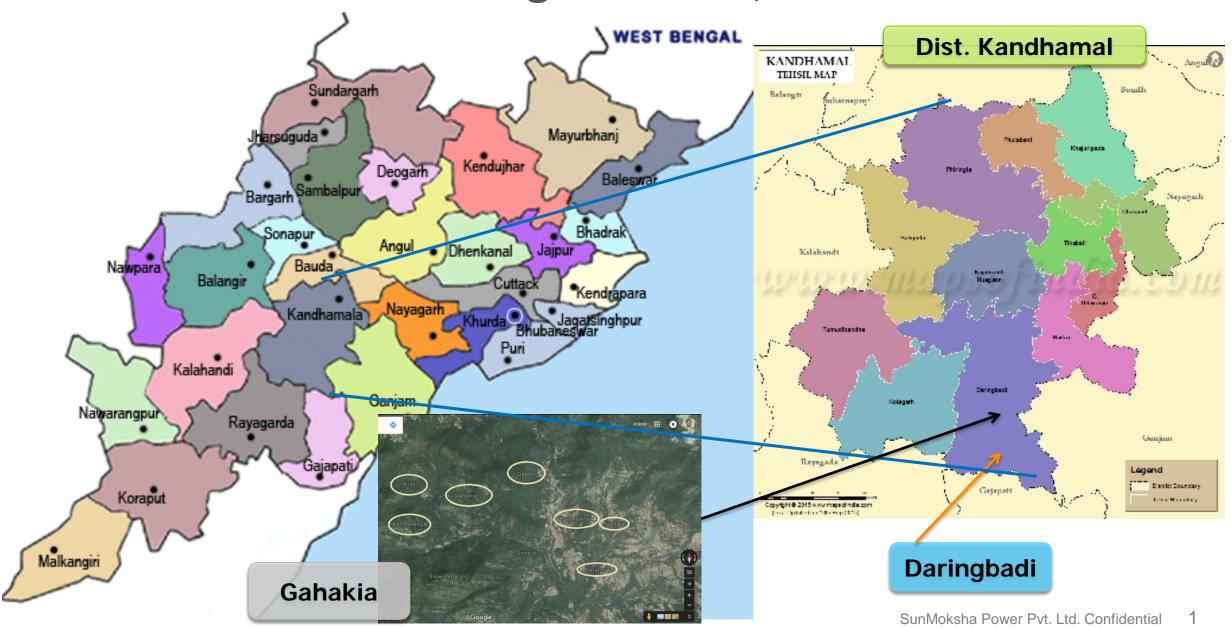
Proposal for Gahakia Cluster *Smart Nanogrid*[™] for Access to Energy and Economic Development



SunMoksha Power Pvt. Ltd. www.sunmoksha.com

Gahakia Cluster in Daringbadi Taluk, Kandhamal





Daringbadi, Kandhamal, Odisha



- Daringibadi a hill station; also known as "Kashmir of Odisha"
- Nearest city, Phulbani district of Kandhamal, 100km
- 915m above sea level, surrounded by thick rain forests with wild animals
- Natural bounties include pine jungles, coffee gardens and beautiful valleys

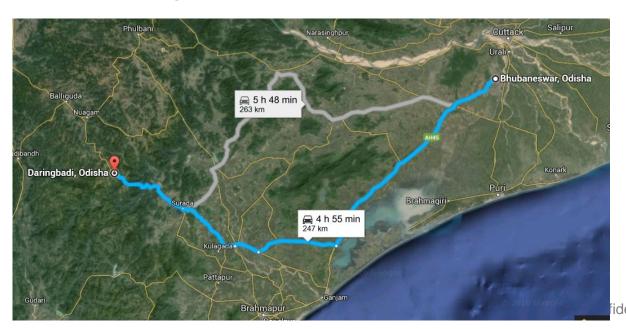


Gahakia, Daringbadi, Kandhamal, Odisha



- Gahakia cluster is one such beautiful valley in Daringbadi
- Consists of around nine habitations in six villages
 - Dabedi (124), Budrapanga (79), Satungia (130), Juangia (85), Gagapnaka (57)
 - Gahakia (393) Rangasahi, Badasahi, Niski, Singipanga
- Dabedi to Daringbadi ~25km
- Daringbadi to Bhubaneswar 251km, Berhampur 120 km





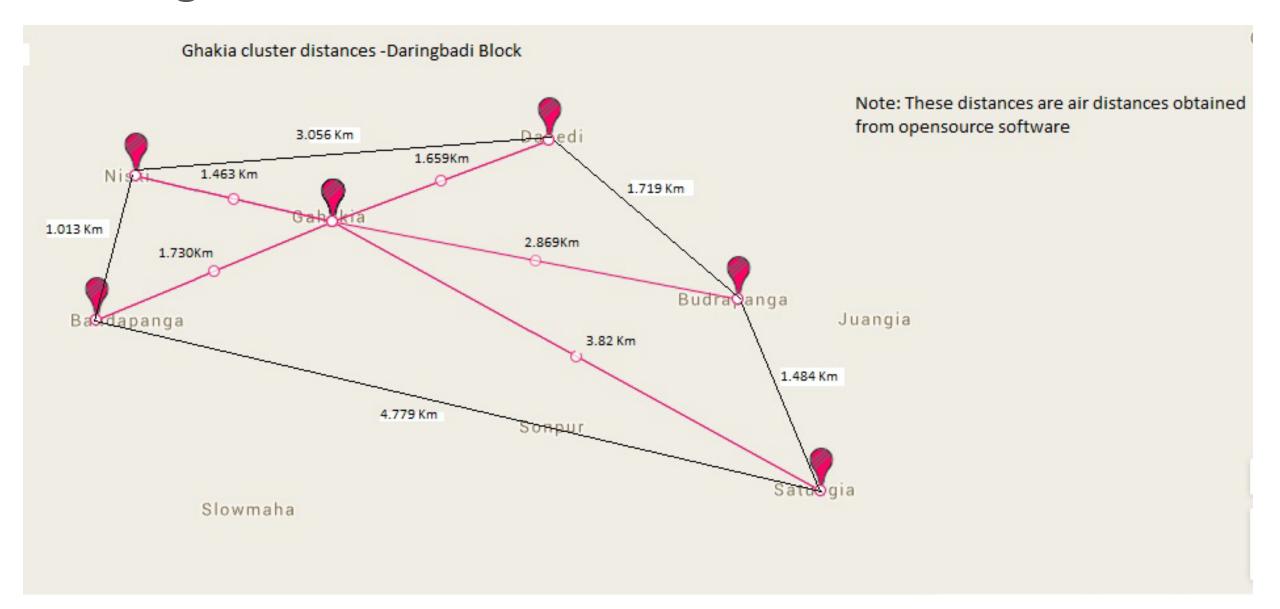
Gahakia Cluster, Daringbadi, Kandhamal, Odisha





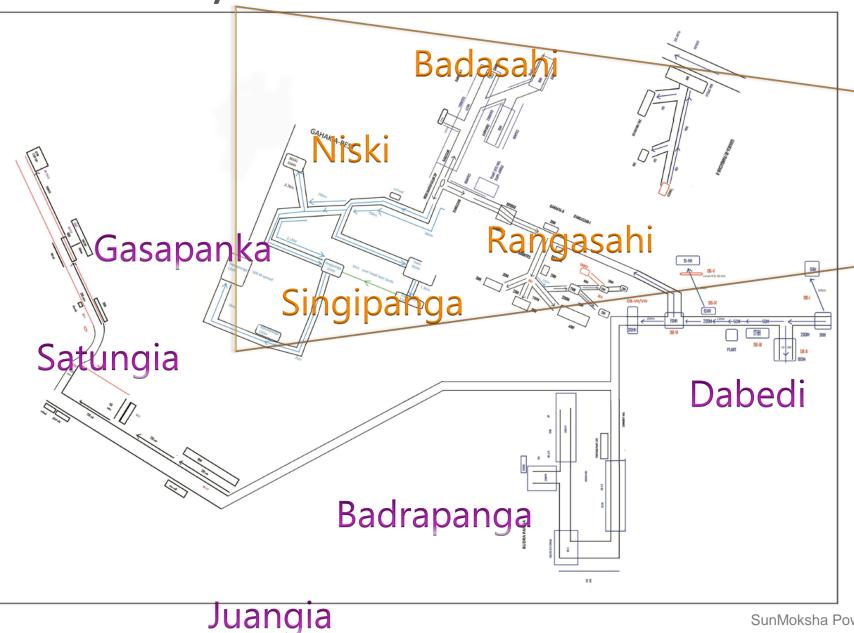
Microgrid Distances Gahakia Cluster





Street and HH Layout Gahakia Cluster



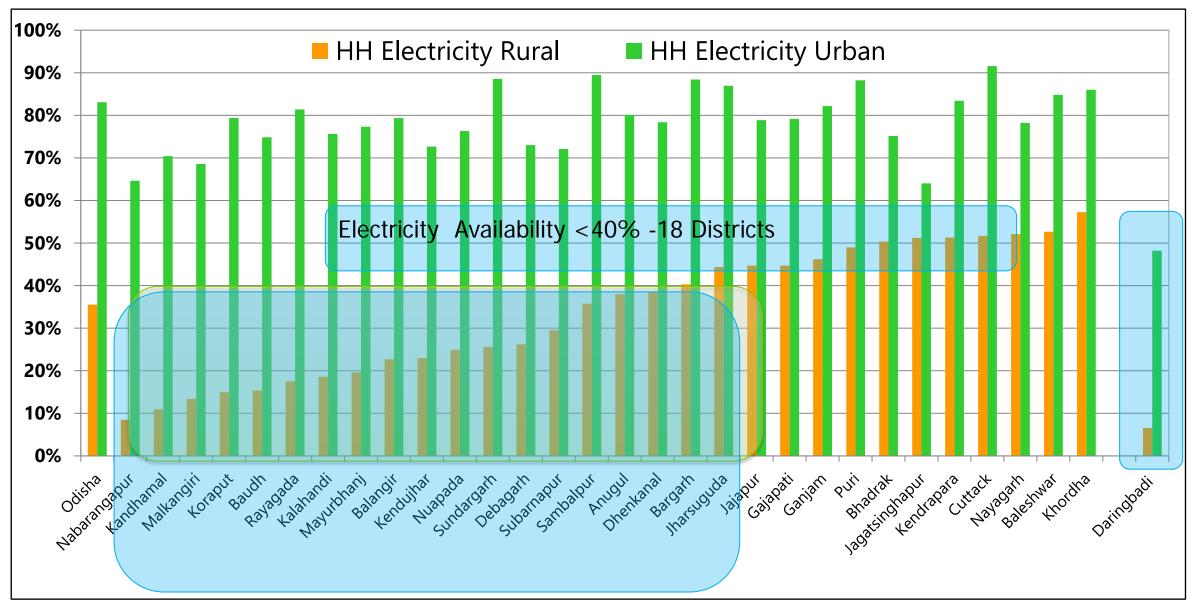


Gahakia:

Rangasahi, Badasahi, Niski, Singipanga

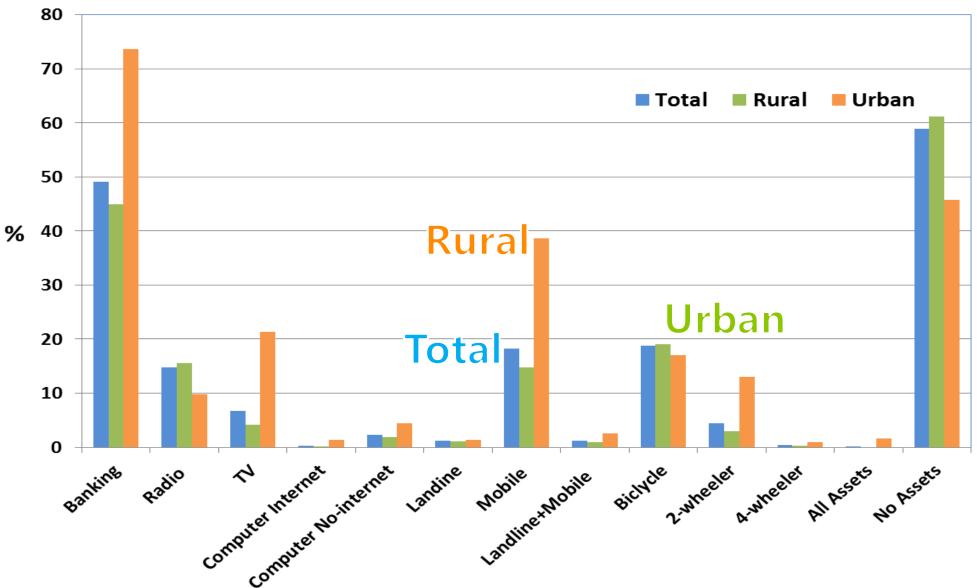
Odisha – Electricity Availability – 2011 Census





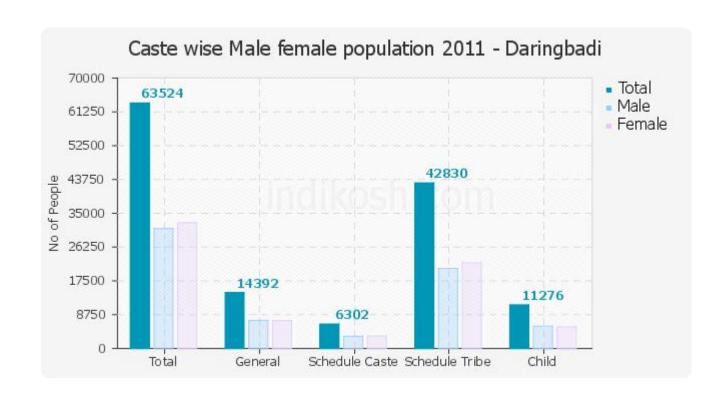
Daringbadi – Asset Possessions (2011 Census)





Demography





Gahakia habitation – largest and spread out







Dabedi habitation







Livelihood and Microenterprises



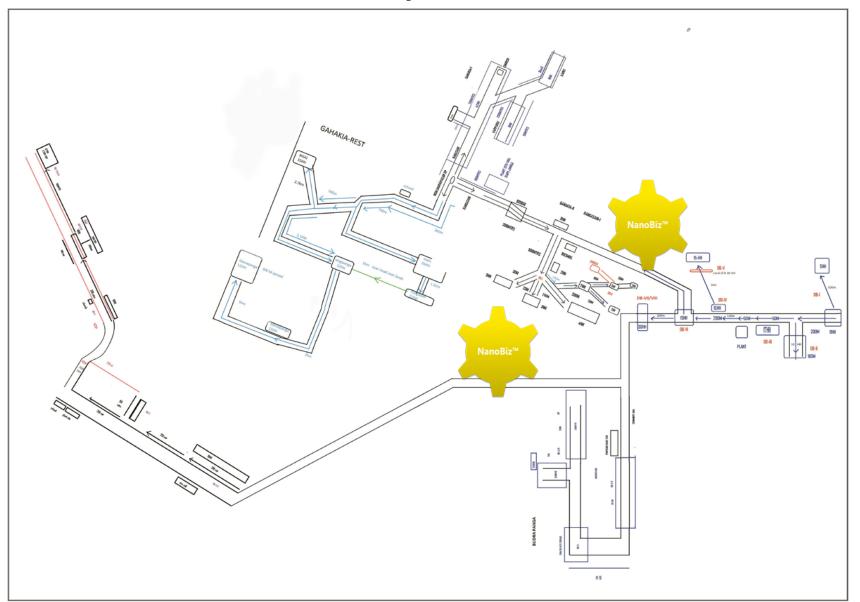
Create a Micro-Enterprise-Zone (MEZ)



SI. No	Type of microenterprise	Estimated Quantity that can be collected per day/per month	Present uses **	Average distance
1	Turmeric Processing unit	400 quintals/annum	Direct selling	
2	Vegetables Cold Rooms			
3	Irrigation water pumping units	9	River water lifting/diesel pump	Not feasible for all lands
4	Rice mill, Flour mill			25kms
5	Poultry farm			
6	Provision shop			
7	Health Clinic			
8	Library and eEducation			

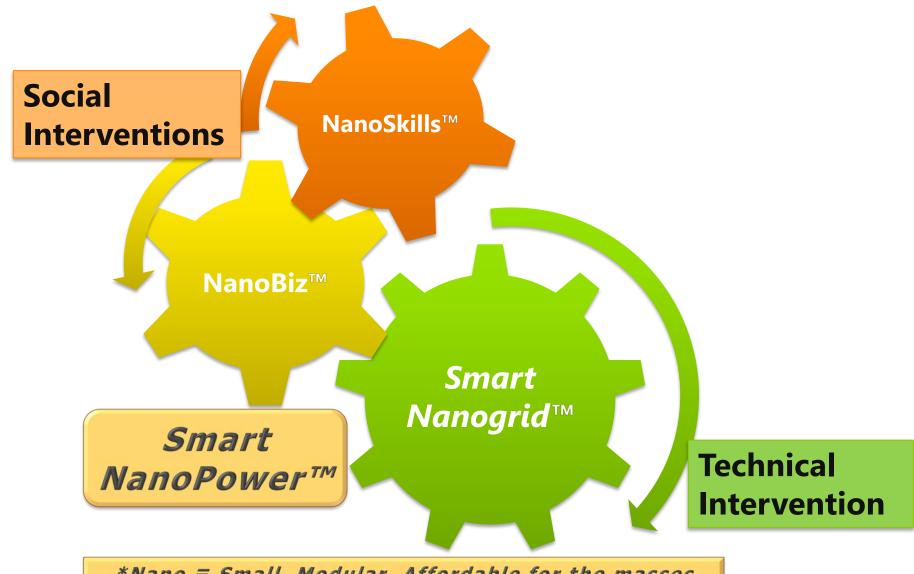
Proposed MEZ Location Options





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Smart NanoPower™ – Shaping the *Future* of Rural India









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