

## Making India Water Surplus

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We are glad to present a solution towards PM's vision of making India water surplus.

Recycling hydel power dam waters which has unlimited capacity to store electricity using a hybrid solution comprising of solar and wind power, to reduce variability and effective utilisation.

Wind power is a boon to INDIA by virtue of having largest coast line other than Asian countries barring China. It can supply electricity to smart cities 'SAGARMALA' and national grid at high voltage (NEAT can provide more information on the available technology). It has a potential to generate 50 MW of power through floating wind mills per every kilometer of coast line without acquisition of any land.

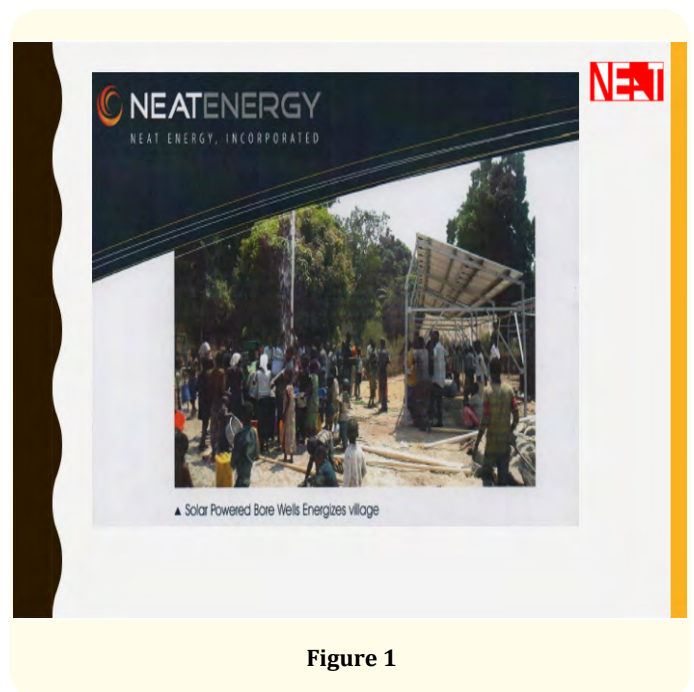
Under 'Suryashakti Kisan Yojana' this will ensure adequate water to the farmers nearly free using solar powered DC pumps and generate his own electricity.

We are willing to offer the technical expertise and, bring in our international experience to ensure 100% returns on investments for the investors. (A model is available for large solar PV power plants; 10-100 MW).

An illustration from a village in Congo; where the locals rejoiced water from the solar powered bore well pump. Supplied by NEAT on turnkey being by the president of Belgium Congo.

### Huge potential for harnessing the power of sun

- It is evident that India is one of the leading countries in the world to harness solar power; with nearly 8% of world's total installed capacity, by having Asia's largest solar park (750 MW) and, largest solar cell and module



**Figure 1**

manufacturing units. Our farsighted PM has envisaged a plan to produce 20000 megawatt using solar energy by 2020.

- It is also encouraging industry to adopt renewable energy using a transparent mechanism in form of Renewable Power Obligations (RPO's); currently at 17% of the total demand.
- 40% of the roof top installations in the country are to be connected to the grid thru SPV.

### Conclusion

If the parliament elects 2019 undertakes an ambitious project similar to recent programme of power supply company of Los Angeles California USA for Hoover dam\*, then all the dams in India will always be at their overflow level and then "INDIA WILL BE SURPLUS IN WATER SUPPLY".



Figure 2

This will increase agricultural production considerably so that India will have surplus to feed the growing population of the world.

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