



5 MW GRID Connected Solar Rooftop Photovoltaic Projects in MP



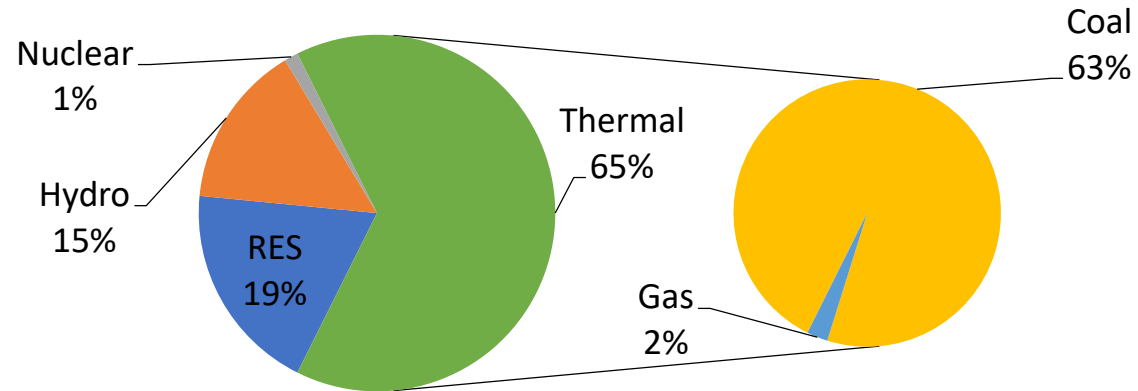
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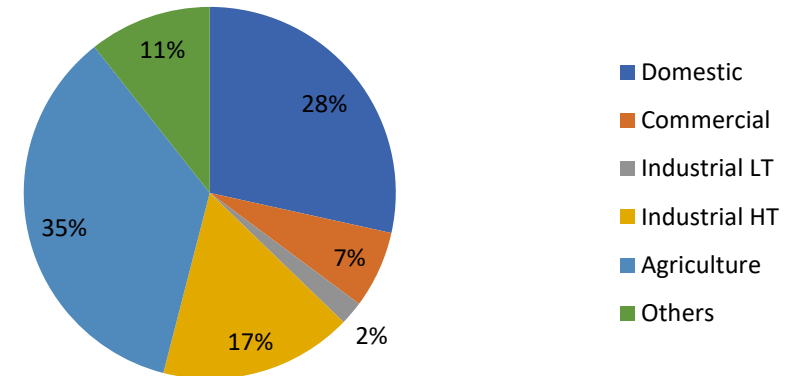
Current Scenario



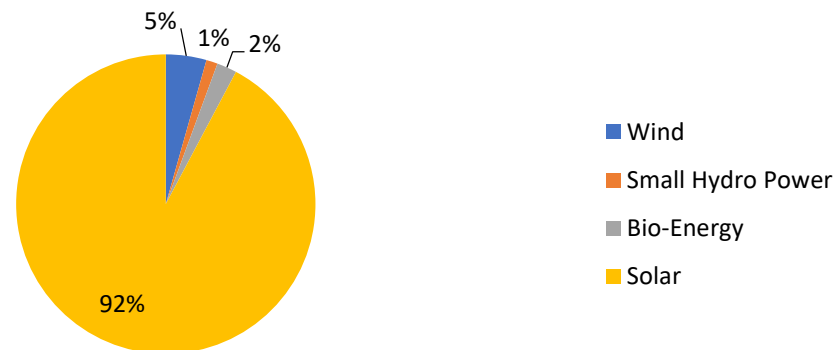
Power Supply Mix for Madhya Pradesh



Consumer Mix



Renewable Energy Potential for Madhya Pradesh



Perspective with respect to Solar Rooftop

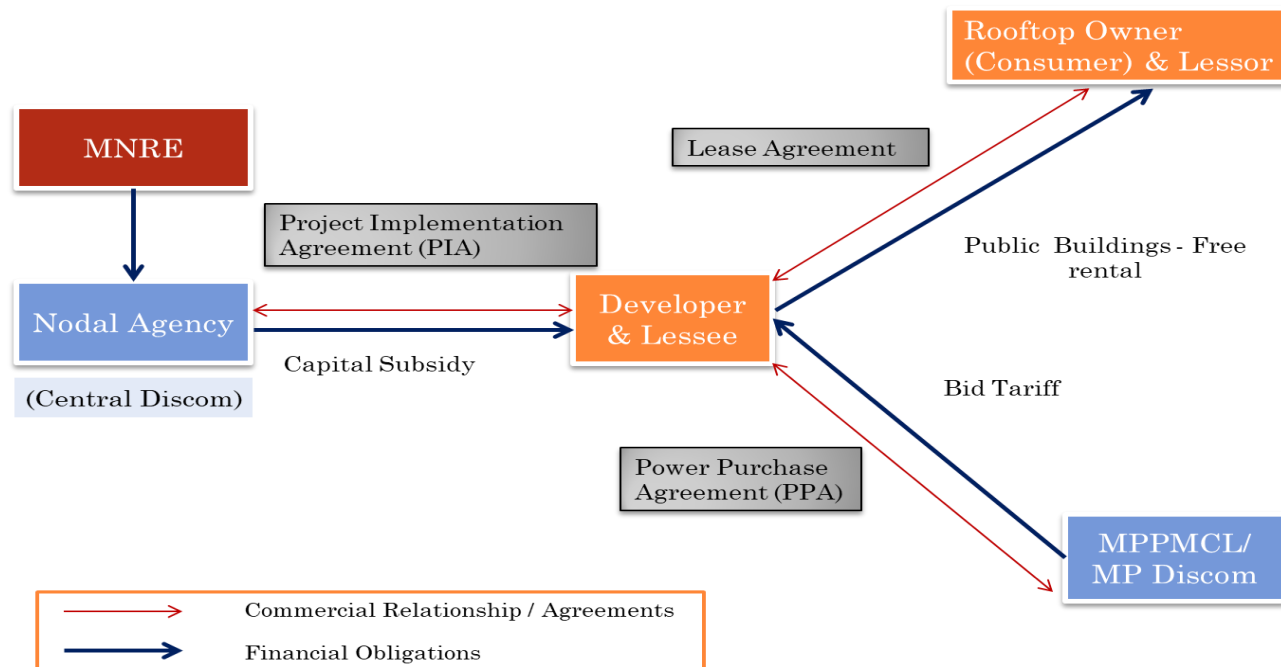


- MP is a power surplus state with an evening peak.
- Discoms are an obligated entity – must obligated to meet their RPOs.
 - Already met their Solar RPOs; Non-solar RPOs still not met.
- RTS is way of revenue loss for Discoms – There should be an incentive for the Discoms to implement RTS – must be a win-win situation.
 - Gross metering must be preferred over net metering.
 - Cost of power from RTS should not be more than cost of power from grounded systems.
- Net metering challenges faced:
 - Difficulty in billing especially for slab billing.
 - Conducted workshops to help employees.
- RTS business model should become a mandate, so that Discoms must become a part of it.
- For people living in highly densely populated areas and where the roof is not owned by one person, what is the incentive for them to lend their roofs?

Initiatives



- An initiative has been taken by MPMKVVCL to implement grid connected solar rooftop PV power plants in Bhopal, Indore and Jabalpur for fulfilment of Solar Renewable Purchase Obligations (RPOs), starting with a pilot project of 5 MW aggregate capacity on gross metering basis.
- MPMKVVCL was the nodal agency for MNRE (First Discom in the Country) in MP state. MNRE had sanctioned INR 12 crores as CFA for the 5 MW project



Quoted Tariffs for 3 cities

- Indore City- INR 4.90/Unit for 1.5 MW
- Bhopal City- INR 5.18/unit for 1.5 MW
- Jabalpur City- INR 5.11/unit for 2 MW

An initiative was taken to setup a 10 MW of solar rooftop, in-collaboration with TERI, under the next phase. The initiative was hindered subsequent to withdrawal of subsidy by MNRE for government buildings in between implementation.

Recognitions



Receiving National Award At Delhi-07.06.2016



MPKVCL was awarded the National Award from MNRE GoI in June 2016 under the category "DISCOM-Own Installation".

Small steps for bigger change – Distribution Company initiative to solarize the native electricity systems to pave way for bigger capacities

The innovative concept of development of above project got selected under Prime Minister's Award in "Innovation Category" and was selected as one of 62 innovations out of 830 nominations received for publication in the Coffee Table Book published by the Department of Reforms & Public Grievances, GoI and circulated on civil services day in Delhi in June 2017.



Thanks