

## Floating Solar PV Project in Coimbatore (Pilot at Periyakulam Lake and Replication at Periyakulam Lake)

### Pilot Scale Floating Solar PV at Periyakulam Lake under CapaCITIES

Lake Area: 347 Acres



#### Floating Solar PV Project area

0.5 acre



#### Electricity generation

0.22 million kWh / year



#### GHG emissions reduction

180 tCO<sub>2</sub>e / year



#### Project capacity

140 kWp / 100 kW



#### Technology

Mono C-Si PERC SPV technology mounted on HDPE pontoons supported by anchoring and mooring system



#### Source of finance

CapaCITIES+State scheme



#### Cost of project

~ INR 8.8 million / CHF 107,000



### Floating Solar PV Project at Periyakulam Lake (Replication)

Lake Area: 347 Acres



#### Floating Solar PV Project area

25 acre



#### Electricity generation

15 million kWh/year



#### GHG emissions reduction

13,453 tCO<sub>2</sub>e per year



#### Power evacuation voltage

11 kV



#### Technology

Mono crystalline SPV technology mounted on HDPE pontoons supported by anchoring and mooring system



#### Project capacity

10 MWp / 7.5 MW



#### Cost of project

~ INR 576 million / CHF 7 million



#### Implementing Partners



#### Knowledge Partner

