Construction of Energy-saving Seawater Desalination Demonstration Project in Sea Island Area by Using Wind-Solar Hybrid Energy

Section 1: General Information	
Summary	Focusing on the abundance of renewable energy and shortage of freshwater in sea island area in Indonesian, Nanjing Hydraulic Research Institute will collaborate with Indonesia organizations for research and development of a complete set of seawater desalination technology by using wind-solar hybrid energy to promote sustainable economic and social development in Indonesia.
Proponent Name(s)	Proponent Name: Nanjing Hydraulic Research Institute, China, Partner: University of Brawijaya, Indonesia
Proponent Type	International Organizations and Civil Society Organizations
Primary Contact Name	Tang Liushan, International Cooperation Officer
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Region	Asia Pacific

Section 2: Commitment	
Linkages to SDG 6	Safe and Affordable Drinking Water； Increase Water-Use Efficiency and Ensure Freshwater Supplies； Implement Integrated Water Resources Management.
Target	To build a water supply station by seawater desalination based on using wind-solar hybrid energy and conduct relevant training.
Linkages to other SDG	Good Health And Well-Being； Affordable And Clean Energy； Industry, Innovation And Infrastructure； Climate Action； Partnerships For The Goals.

Section 3: Actions and Outcomes to Achieve Targets		
Relevant Sub-Theme	Water Security and Prosperity； Water for Humans and Nature; Governance, Cooperation and Hydro-diplomacy; Knowledge and Innovation.	
Actions and Outcomes	To develop a complete set of seawater desalination technology by using wind-solar hybrid energy; To build a water supply station with capacity of 500m³/d for 3000 people; To train over 60 technical personnel.	
Implementation Period	Start Date	*January,1,2022*
	End Date	*December,31,2024*
Financial Commitment	This project is funded by Asia Cooperation Fund of China	