



## ***PROJECTS WITH INTERNATIONAL COLLABORATION***

### **Pak-China Collaboration for Establishment of**

#### ***1. Research Centre on Key Technologies of Small Hydropower and Rural Electrification***

- The project includes an SHP Database Centre for South Asia, three MHP/SHP Pilot Projects (100kW MHP, 10-15kW Hybrid and 10-15kW R&D Centre) and one rural electrification demo model
- Research centre will facilitate the South Asian region to absorb latest technologies related to small hydro power

Project Cost	Rs. 138.6 M
Project Duration	2 years (2018-2020)



### Pak-Korea Collaboration for

## 2. *Establishment of Testing Facility for Solar & Allied Equipment*

- Testing and QC/QA Lab will ensure the quality for import and locally developed Solar PV modules as per International Standards such as IEC 61215, IEC 61646, IEC 61730 etc.

Total Project Cost	Rs. 913.15 M
Korean Govt. share	Rs. 843.15 M
Pakistani Govt. share	Rs. 70 M
Project Duration	3 years



### 3. *Pakistan's SNC under UN Framework on Climate Change Convention (UNFCCC)*

- PCRET was assigned to prepare a chapter on *"Development and Transfer of Environmentally Sound Technologies"* for Pakistan. The TORs of the project are *Technology Need Assessment, Barriers to the Development and Transfer of ESTs, Identification of Funding Resources and Development of Database*

Project Cost	10,000 US \$ (Funded by UNFCCC through MoCC)
Project Duration	6 Months
Status	Completed



## Projects with International Collaboration



### 4. *Biennial Update Report On Research, Capacity Building And Technology Transfer*

- The project is part of UNFCCC Biennial update report and will be assigned to PCRET by Ministry of Climate Change

Project Cost	50,000 US \$ (Funded by UNFCCC through MoCC)
Project Duration	2 Years



## *Projects with International Collaboration*

### *5. Adaptation of Photovoltaics, Biogas Technologies and Establishment of Renewable Energy Labs in Pakistan for Climate Change Mitigation in Collaboration with Green Climate Fund*

- The project will provide Clean and Renewable Solar Energy through PV and Biogas fully subsidized model plants in all 34 divisions of Pakistan

Project Cost	USD 40 Million
Project Duration	5 Years
Status	Approved by Pakistan's GCF board. Trying to take an Accredited Entity of GCF on board to start execution of the project



## ***COLLABORATION WITH NATIONAL DEPT./ORG.***



### ***1. Establishment of Testing and Quality Control Lab for Solar Equipment in Energy Department, Govt. of Baluchistan***

- PCRET will provide technical support / expertise for design of Lab, procurement, installation, operation and testing of equipment

Project Cost	Rs. 370.290 M
Project Duration	2 Years