

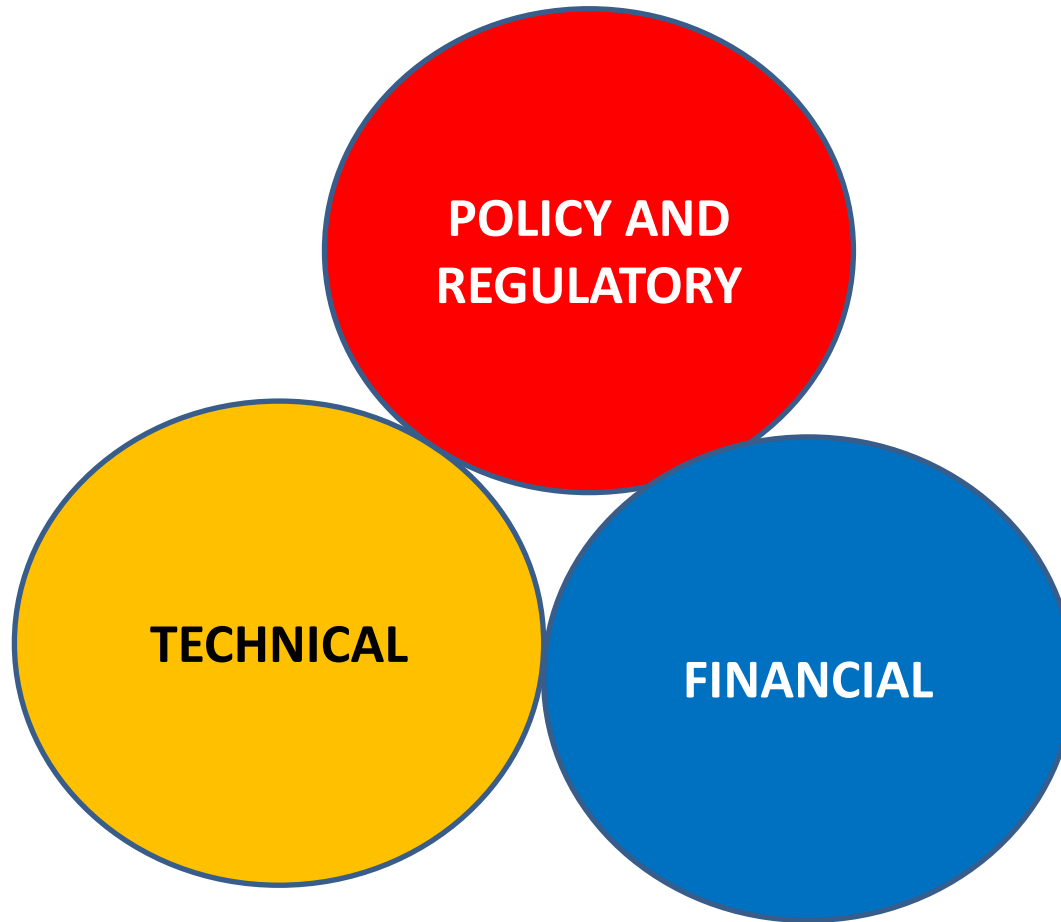
Risk Assessment in Solar PV Projects in Pakistan

RESOURCE PERSON

**ENGR. FAIZ BHUTTA
PRESIDENT AEE PAKISTAN CHAPTER**

**FIRST VIRTUAL CONFERENCE ON SOLARIZATION OF PAKISTAN
BY ENERGY UPDATE OCTOBER 07, 2020**

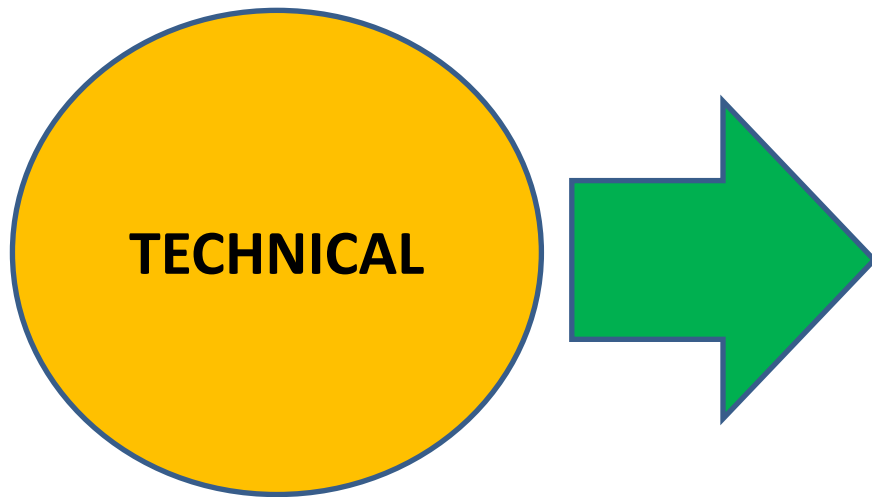
MAJOR CATAGORIES



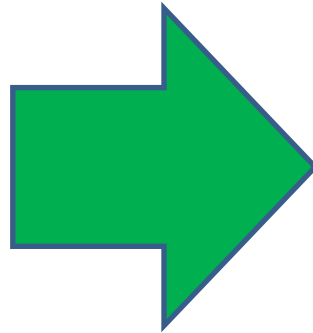


**POLICY AND
REGULATORY**

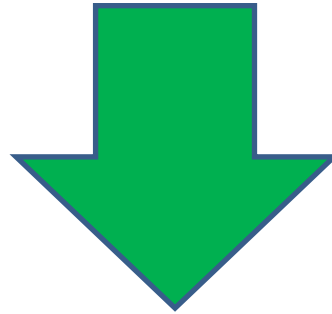
- ❖ **Delays in RE Policy Approvals and lack of implementation plans**
- ❖ **Changing Tariff structure**
- ❖ **Lengthy procedures**
- ❖ **Lack of one window operation**
- ❖ **Lack of understanding between Provinces and Center**
- ❖ **18th Amendment issues**
- ❖ **Delay because of Evacuation issues**



- ❖ **Rapid change in PV Module technology – High Power and High efficiency**
- ❖ **Variable solar irradiance in terms of place, time and weather**
- ❖ **Which PV plant be taken as reference for benchmarking**
- ❖ **Lack of compliance of standards in design, engineering and installation .**
- ❖ **Tier- 1 dilemma**
- ❖ **Updation of simulation software**
- ❖ **Climate changes (Smog , rains, floods etc)**



- ❖ **Rupee devaluation.**
- ❖ **Price fluctuations**
- ❖ **Tariff fluctuations**
- ❖ **Lack of Low Mark up**
- ❖ **Long term commercial loans.**
- ❖ **Inventory issues**
- ❖ **Energy Commitments in Contracts**



**SUCCESS LIES IN ACCURATE
ASSESSMENT AND COVERAE IN
PLANNING OF PV PROJECTS**

THANKS

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