INOGATE

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# IDEAS ON FUTURE TECHNICAL ASSISTANCE COVERING 30 APRIL 2016 - 2020

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BUILDING PARTNERSHIPS FOR ENERGY SECURITY

# Regional Form

Regional cooperation in the electricity sector, including trade, seasonal flows…

# Slide 2 - Broad Priorities

| SUBSECTOR / AREA | Conventional Energy | Nuclear | Petroleum & Gas | Renewable Energy | Energy Efficiency |
|---|---|---|---|---|---|
| Legislation | V | | | | |
| Governance | | | | | V |
| Institutions | | | | | |
| Regulation | | | | | |
| Market Operations | | | | | |
| Technical | | | | V | V |
| Environment | | | | | |
| Others (please specify) | | | | | |

# Slide 3 - Broad Priorities

| | Where Specific Technical Assistance is needed | Reasons |
|---|---|---|
| 1 | Methodological and technical assistance for the implementation of audits in heat power industry (industrial heat power engineering, heating and thermal insulation of buildings and structures, ventilation and air conditioning), and methodological support for the preparation of contracts and conducting audits. | Energy Research Institute has extensive experience in analysis, design and implementation of energy saving in energy, but we provide the same level of professional energy audits regarding heat power industry (industrial heat power engineering, heating and thermal insulation of buildings and structures, ventilation and air conditioning), equipping with modern instrumentation, familiarisation with the methods of measurement, training for the implementation of energy audits in this area, acquisition of skills for energy audits, creation within the Research Institute of Energy of the training base for professionals in the field of energy audits and energy efficiency Facilitating replication of the knowledge in the implementation of energy audits and the mobilization of stakeholders (executors and potential customers) to implement energy saving measures. |

| | Where Specific Technical Assistance is needed | Reasons |
|---|---|---|
| 2 | Scientific and technical assistance in evaluating the potential of wind power stations in electric power systems of comparable capacity, ensuring economic dispatching of system modes, ensuring dynamic stability at instantaneous loss of a large wind capacity | Gaining knowledge about best practices in the EU of frequently used methods and systems for evaluating the potential of using wind power, ways of economic dispatch of energy system modes, requirements for primary and secondary reserves<br><br>Increased awareness of specialists in the Ministry of Energy and Natural Resources, the grid operator, Energy Research Institute and design organizations in the field of RES |
| 3 | Methodological guidelines (standards) to develop plans of electrical networks | Capacity building of employees of High voltage electrical networks, electrical networks of Armenia, Energy Research Institute and design organizations in the planning of electrical networks |