

## CASE STUDY OF A SUCCESSFUL NATIONAL ENERGY PROGRAMME/STRATEGY

### Number 2

1. The problem or issue addressed: *The low rate of investments on electricity generation using renewable energy sources due to high initial installation cost of these investments*

2. Name of the programme: *The World Bank's USD 200 million Renewable Energy Project*  
*The investors who want to construct power plants using hydro (excluding hydro power plant which has installed capacity of greater than 50 MW), wind and geothermal energy resources, could use this loan through Turkish Industrial Development Bank and Turkish Development Bank.*

*It is possible to finance up to 40-50 % of the capital cost investment needs of the projects by means of this loan. The remaining portion will be covered by the investors themselves through their own resources and/or other credits.*

3. Timeframe:      years                      Year started:    2004

4. Status:   x Ongoing      ☐ Completed in year

5. Main objectives:

- *To provide investment finance to private enterprises engaged in investments for generation of electricity based on renewable resources*
- *Increasing the renewable share in electricity generation*
- *Supporting the investors in field of electricity generation using renewable energy resources*
- *Increasing the private sector involvement in the electricity market*
- *To decrease the green house gas emissions, to protect the environment, to increase the accessibility and availability of energy for rural areas*
- *To increase the employment rate by creating job opportunities in rural areas by these investments*
- *To alleviate poverty*

6. Lead institution: *The World Bank,*

7. Other implementation arrangements and stakeholders involved (public, private, NGOs, CBOs, international support, etc.): *The Undersecretary of Treasury, Turkish Industrial Development Bank, Turkish Development Bank and private sector investors*

8. The results achieved (if possible, please address the social, economic and environmental impacts of the programme): *This project has been launched in 2004. Today there exist a lot of applications to the intermediaries Turkish Industrial Development and Turkish Development*

*Banks for supplied credit. Now the two projects is under the evaluation of World Bank. After the ratification of the World Bank the investors will be able to get the required credit from the intermediars Then the credit could be issued for the suitable projects after ratification by intermediers only. By this project USD 200 million would be supplied by the World Bank, USD 150 million would be supplied from the equity of private sector investors, USD 150 million would be covered by export credit agencies and finally the remaining part USD 50 million would be born by other resources. In other words together with this project totally USD 500 million investment on electricity generation using electricity would be achieved. World Bank's renewable energy project (\$200 million) accelerated the private sector investments on the renewable energy sources to generate electricity within the context of Electricity Market Law*

9. The relationship of the programme to internationally agreed goals and targets: *All these three programmes are directly related to the targets of MDGs, WSSD, Renewable Energy Congress,....*

Note: Kindly provide any appropriate facts, figures or charts that document the problem addressed and the results achieved. Noteworthy case studies may be published and/or summarized in UN publications as a means of sharing information on best practices.

*Together with the programmes and strategies above, the applications for the power plant construction using renewables to the State Hydraulic Works and Energy Market Regulating Authority has accelerated. Today, total installed capacity of the applications to the State Hydraulic Works for hydropower plant investments reached to 4469 MW with 18306 GWh annual generation.*

*Additionally, today, there are 65 applications for the hydropower producer license to the EMRA. These applications are in evaluation stage. The total installed capacity of these applications is around 3000 MW. Additionally, the total installed capacity of 105 applications for Wind Power Plants is around 1600 MW and EMRA has issued license for the wind power plants totally 1476 MW installed capacity. Moreover, the total capacity of the applications for the electricity generation using gas from biomass is 20 MW.*