

PART III. NATIONAL REPORTING GUIDELINES FOR CSD-14/15 THEMATIC AREAS

A. ATMOSPHERE/AIR POLLUTION

Decision-Making: Strategies, policies, programmes and plans, legislation, policy instruments and the regulatory framework; involvement of Major Groups

Electricity Generation Company (EUAS) is involved in the planning and construction of Flue Gas Desulphurisation Plants & follow up of Environmental Technologies applied worldwide in the commercial scale.

In this scope Flue Gas Desulphurisation (FGD) Plants owned by EUAS are mentioned below:

- *Yatagan Power Plant (3*210 MW) Mugla/Yatagan FGD Plan:
FGD Plant comprised of 3 Units has been completed, commissioning of the plant is done. TAC (Temporary Acceptance Certificate) has not been obtained yet.*
- *Yeniköy Power Plant (2*210 MW) Mugla/Milas:
Installing of totally 2 FGD Units have been completed.*
- *Afsin-Elbistan B (4*360 MW) Thermal Power Plant Afsin/Kahramanmaras:
Commissioning of the FGD Plant installed together with the plant itself is in progress.*
- *Kemerköy Thermal Power Plant (3*210 MW) Mugla/Milas:
FGD Plant consisting of 3 units has been completed. It has been in operation for two years.*
- *Kangal Thermal Power Plant 3rd Unit FGD Plant (157 MW) Kangal/Sivas:
Final Acceptance of the FGD Plant (1 Unit) has been completed.*
- *Çayirhan Thermal Power Plant (2 *150; 2*160 MW) Çayirhan/Ankara:
FGD Plant consisting of 4 Units has been completed. 4 FGD units are in operation.*
- *Orhaneli Thermal Power Plant (1*210 MW) Orhaneli/Bursa:
Final Acceptance of the FGD Plant (1 Unit) has been completed. Operation of the plant is in progress.*

Whole the FGD units of the power plants mentioned above are based on "West Limestone Scrubbing Process" with the end product of gypsum. This process is the most frequently used FGD technology worldwide in commercial scale. Efficiency of the process in terms of SO₂ capture is min 95%.

On the other hand, developments and improvements in the environmental technologies existing in the FGD market or technologies which are in the lab scale or pilot plant scale are also monitored by EUAS.

The aforementioned projects are contracted on turn-key basis and mostly financed by the external funds.

The Ministry of Environment and Forestry is responsible for legislative studies with regard to the air pollution from thermal power plants.