

"Capacity Building and Strengthening Institutional Arrangement"**Workshop****"BEST AVAILABLE TECHNIQUES (BAT)"****Working group n.3**

"Describe the running process technologies for fertilizers industries, related environmental issues and possible BAT implementation"

Taking into account specific Egyptian Industries of your knowledge, as an example, indicate for that plant which Best Available Technologies (BAT) could be selected for application for the mitigation of environmental impacts/pollution

Part 1: Analyse the specific characteristics of environmental impacts and/or pollution, also taking into account the process flow-chart of the phases of production of the fertilizers industry plant, as for example:

- a) Production Capacity
- b) Emissions
- c) Energy
- d) Consumption of raw materials and water
- e) Waste and re-cycled waste
- f) Material stock
- g) Area involved

Part 2: Select main industrial phases of the analysed fertilizers industry plant in which is possible to reduce environmental impacts and/or pollution by the adoption of BAT

Part 3: Identify and analyse which BAT can be applied to the selected main industrial phases of the analysed fertilizers industry plant in order to reduce/mitigate environmental impact and/or pollution for each already selected phase of the process

Part 4: Simulate the implementation of the selected BAT for the chosen plant of fertilizers industry defining new phases of the process with reduced environmental impacts and/or pollution

Part 5: Evaluate the eventual improvements in reducing environmental pollution and impacts for each selected phase and for the fertilizers industry plant.

