TOPICS

- Ultimate Target
- Possible sources of CO2
- Experience of ADNOC in CO2 project
Ultimate Target

- ADNOC recognized the value of CO2 as a potential alternative to sweet gas injection
- Protect the environment by reducing the emission & global warming
- Technology for CO2 recovery from flue gas is proven & applied
- Injection CO2 into reservoir is an established practice to enhance oil recovery
- To enhance the UREA production
Possible Sources of CO2

- Flue gases from offshore/onshore Plant;
  - Boilers
  - Gas Turbine
  - Reformers
  - Heaters
  - Regenerators
- Process Gas (Associate and/or Non-Associate)
- By-Product from Ammonia Plant
1. **Pre-Feed Study - Dec. 2003 (100 MMSCFD - Pilot Phase)**
   The scope for Engineering study, to develop a pre-feed study to recover CO2 from Refinery and transport/injected in sour oil reservoir for EOR.

2. **Pre-Feed Study – Sep. 2006 (100 MMSCFSD – Pilot Phase)**
   The scope for Engineering study, to develop a pre-feed study to recover CO2 from onshore field (Sour/Acid gas) & injecting it into sour oil reservoir for EOR.

3. **EPC contract awarded to enhance UREA production**
- Pre-feed study - 100 MMSCFD from Refinery

- Capital Cost: US $ 300 Million
- Operating Cost: US $ 22 Million / Year
- CO2 Cost US $ 1.55 / MSCF