



NAMA Seeking Support for Implementation

A Overview

A.1 Party Jordan

A.2 Title of Mitigation Action Samra Thermal Power Station - Phase-III Add-On Combined Cycle

A.3 Description of mitigation action This project is dedicated to add-on combined cycle power plant consisting of one (1) approximately 140 MW Steam Turbine Generator, (2) Heat Recovery Steam Generators and all related auxiliaries and systems to utilize the existing Gas turbines exhaust temperature to generate power with zero fuel addition

A.4 Sector Energy supply

A.5 Technology Energy Efficiency

A.6 Type of action National/ Sectoral goal

A.7 Greenhouse gases covered by the action CO₂

B National Implementing Entity

B.1.0 Name Ministry of Environment

B.1.1 Address JORDAN, AMMAN, UM UTHAINA, KING FAISAL STREET, BUILDING No.182

B.1.2 Contact Person AHMAD ALQATARNEH, SECRETARY GENERAL

B.1.3 Phone 00962- 6- 5521941

B.1.4 Email AQATARNEH@YAHOO.COM

C. Expected timeframe for the implementation of the mitigation action

C.1 Number of years for completion 3

C.2 Expected start year of implementation 2013

D.1 Used Currency USD

E Cost

E.1.1 Estimated full cost of implementation 158570351 USD

E.1.2 Comments on full cost of implementation

E.2.1 Estimated incremental cost of implementation 23785552 USD

E.2.2 Comments on estimated incremental cost of implementation



F Support required for the implementation of the mitigation action

F.1.1 Amount of financial support 23785552 USD

F.1.2 Type of required financial support Grant

F.1.3 Comments on Financial Support

The support required represent the 15% portion shorted of the total cost and not covered by Arab & Kuwaiti funds loans

F.2.1 Amount of Technological Support

F.2.2 Comments on Technological Support

F.3.1 Amount of capacity building support \$ (Dollars)

F.3.2 Type of required capacity building support

F.3.3 Comments on Capacity Building Support

G Estimated emission reductions

G.1 Amount 427420

G.2 Unit MtCO₂e/yr

G.3 Additional information (e.g. if available, information on the methodological approach followed):

SEPCO has registered its first CDM project ref 4958 with an estimated CERs of 301,000 CO₂e/yr, and as this project will be 142% larger in capacity, then it has been estimated that the reduction will be propotional i,e $301,000 * 1.42 =$

H.1 Other indicators of implementation

Contractor progress reports

I.1 Other relevant information including co-benefits for local sustainable development

Jordan demand for electricity is growing by 7.4% / yr (ministry of energy strategy 2007-2020 ref. www.memr.gov.jo) , this project will contribute to Jordan SD in its main categories: economical, social, and environmental

J Relevant National Policies strategies, plans and programmes and/or other mitigation action

J.1 Relevant National Policies

J.2 Links to other mitigation actions