

NS-29 - Samra Thermal Power Station - Phase-III Add-On Combined Cycle

Jordan

NAMA Seeking Support for Implementation

A Overview

A.1 Party	<input type="text" value="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	<input checked="" type="checkbox"/> Energy supply <input type="checkbox"/> Residential and Commercial buildings <input type="checkbox"/> Agriculture <input type="checkbox"/> Waste management <input type="checkbox"/> Transport and its Infrastructure <input type="checkbox"/> Industry <input type="checkbox"/> Forestry <input type="checkbox"/> Other <input type="text"/>
A.5 Technology	<input type="checkbox"/> Bioenergy <input checked="" type="checkbox"/> Energy Efficiency <input type="checkbox"/> Hydropower <input type="checkbox"/> Wind energy <input type="checkbox"/> Carbon Capture and Storage <input type="checkbox"/> Land fill gas collection <input type="checkbox"/> Cleaner Fuels <input type="checkbox"/> Geothermal energy <input type="checkbox"/> Solar energy <input type="checkbox"/> Ocean energy <input type="checkbox"/> Low till / No till <input type="checkbox"/> Other <input type="text"/>
A.6 Type of action	<input checked="" type="checkbox"/> National/ Sectoral goal <input type="checkbox"/> Strategy <input type="checkbox"/> National/Sectoral policy or program <input type="checkbox"/> Project: Investment in machinery <input type="checkbox"/> Project: Investment in infrastructure <input type="checkbox"/> Project: Other <input type="checkbox"/> Other <input type="text"/>
A.7 Greenhouse gases covered by the action	<input checked="" type="checkbox"/> CO2 <input type="checkbox"/> N2O <input type="checkbox"/> PFCs <input type="checkbox"/> CH4 <input type="checkbox"/> HFCs <input type="checkbox"/> SF6 <input type="checkbox"/> Other <input type="text"/>

B National Implementing Entity

B.1.0 Name	
B.1.1 Contact Person 1	AHMAD ALQATARNEH, SECRETARY GENERAL
B.1.2 Address	JORDAN, AMMAN, UM UTHAINA, KING FAISAL STREET, BUILDING No.182

B.1.3 Phone 00962- 6- 5521941
 B.1.4 Email AQATARNEH@YAHOO.COM
 B.1.5 Contact Person 2
 B.1.6 Address
 B.1.7 Phone
 B.1.8 Email
 B.1.9 Contact Person 3
 B.1.10 Address
 B.1.11 Phone
 B.1.12 Email
 B.1.13 Comments

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 Currency

D.1 Used Currency
 Conversion to USD: 1

E Cost

E.1.1 Estimated full cost of implementation 158570351
 E.1.2 Comments on full cost of implementation
 E.2.1 Estimated incremental cost of implementation 23785552
 E.2.2 Comments on estimated incremental cost of implementation

F Support required for the implementation the mitigation action

F.1.1 Amount of Financial support 23785552

F.1.2 Type of required Financial support
 Grant
 Loan (sovereign) Guarantee
 Loan (Private) Equity
 Concessional loan Carbon finance
 Other

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

F.3.2 Type of required capacity building support
 Individual level
 Institutional level
 Systemic level
 Other

F.3.3 Comments on Capacity Building support

F.4 Financial support for implementation required

F.5 Technological support for implementation required

F.6 Capacity Building support for implementation required

G Estimated emission reductions

G.1 Amount 427420

G.2 Unit	MtCO ₂ e/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 CO ₂ e/yr, and as this project will be 142% larger in capacity, then it has been estimated that the reduction will be proportional i.e 301,000*1.42=

H Other indicators

H.1 Other indicators of implementation	Contractor progress reports
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I Other relevant information

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

J.1	Relevant National Policies
J.2	Link to other NAMAs

K Attachments

K Attachments	Title Description
K.1 Attachment description	
K.2 File	<input type="text"/> <input type="button" value="Browse..."/>

L Support received

L.1 Outside the Registry	
L.2 Within the Registry	Support provided SupportType Amount Comment Date