

Case Summary**Alexandria Sodium Carbonate****Company Information:**

Contact Person: Chem / Yousseria Sweedan
 Telephone: 032204488
 Fax: 032204389
 Sector: Private
 Number of Labors: 650
 Project Title: Rehabilitation of Calcination Process
 Type of Projects: Air Pollution control

1. Basic Information:**1.1 Main Product:**

No.	Product	Average Annual production Metric ton
1	Sodium Carbonate	130000
2	Quick lime	65000

1.2 Raw Material & Utilities :

No.	Material	Average Annual production Metric ton
1	Ammonia	325000
2	Limestone	364000
3	Coke	13000
4	Salt	286000

1.3 Project Location:

Elmax – Alexandria

1.4 Project Objectives:

- Reduce dust emissions to comply with environmental law.
- Minimize losses in raw Material.
- Increase Process Efficiency.

1.4 Project Description:

Solvay Alexandria Sodium Carbonate is a Light Soda Ash Calcination plant with only one calciner. The present project will provide a new Calcination plant installed in a new building and upgrade the existing one to the current benchmark of the Solvay Group. The Main aim of this project is to reduce dust emissions, decrease the number of shutdowns, simplify the maintenance operation. The company will be able to plan preventive maintenance programs

1.6 Project Components:

- Calciner
- DSC
- Belt Conveyers
- CO2 Scrubber Tank pump
- Inlet mixer

- Chimney
- Scrubber pump
- Outlet Screw Conveyer

1.7 Project Cost:

Total project cost US\$ 12.35 M. EPAP finance is US\$ 1.78 M

Break Down:

Component No	Items	Cost In Dollars
EPAP Finance		
1	Control valves	1.78
2	DCS	
3	Electrical Instruments	
4	Fire Fighting System, Piping Painting and isolation	

1.8 EPAP Technical Support:

A Local consultant was hired through EPAP TA to assist the company in preparing the environmental audit. EPAP PMU will assist the Company in tendering procedures, bid evaluation report and contracting.

2. Eligibility Criteria

2.1 Environmental:

The concentration of Total Suspended Solids (TSP), PM10 concentrations in workplace are high . It is expected to decrease from the current value to comply With law 9/2009. The project will reduce raw material losses.

2.2 Financial:

- The sub project cost is less than MUS\$ 15.
- Economic benefits expected.

3.Current status of project procedures

3.1 Steering committee approval:

3.2 Co-financers approval: N.A

3.3 Technical Procedures:

Technical Document	submitted	Approved	Date
Environmental Assessment	Y	Y	Dec 2010
Compliance Action Plan (CAP)	Y	Y	Dec 2010
Environmental Impact Assessment (EIA)	Y	Y	14/10/2010
Technical Agreement	Y	Y	15/12/2010

3.4 Implementation Procedures:

3.4.1 Procurement Procedures:

The company will followed its commercial practice to issue tender for Supply and Installation of the project equipment.

3.4.2 Status of Implementation:

Technical Document	submitted	Date	
		Achieved	Planned
Credit worthiness certificate	Y	26/7/2010	
Sub Loan Agreement	Y	13/12/ 2010	July 2010
Bidding document(B.D)/ Invitation letter (IL)	Y	Comp 1: 18/5/2010(I.L) Comp 2: 22/9/2010(I.L) Comp 3: 26/5/2011(B.D) Comp 4:26/9/2011	July 2010
Technical and financial Evaluation	Y	Comp 1:23/9/2010 Comp 2: 23/10/2010 Comp 3:13/9/2011 Comp 4:3/11/2011	Sep 2010
Awarding and Contracting	Y	Comp 1: 23/12/2010 Comp 2: 24/1/2011 Comp 3:15/9/2011 Comp 4:16/11/2011	Commencing Feb 2011
Installation and Commissioning	Y	Comp 1:May 2011 Comp 2:May 2011 Comp 3:22/2/2012 Comp 4:28/2/2012	Oct 2011
Monitoring: Q1:	Y	April 2013	
Q2:	Y	Aug 2013	
Q3:	Y	Nov 2013	
Q4:	Y	Jan 2013	