



Questionnaire

for building an ASCEM cement plant

2009, ASCEM BV

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Form filled in by

Mr. /Mrs.: _____

Organization: _____

Date: _____

Place: _____



Questionnaire

1. Principal

Company name: _____

Industry: _____

Contact address: _____

Contact person: _____

Website: _____

Tel: _____

Fax: _____

2. Investor

Company/bank name: _____

Contact address: _____

Website: _____

Tel: _____

Fax: _____

3. Time schedule

Preparation: ___/___ (mm/yyyy) ~ ___/___ (mm/yyyy)

Building the plant: ___/___ (mm/yyyy) ~ ___/___ (mm/yyyy)

Ready for market: ___/___ (mm/yyyy)



Questionnaire

4. Cement Plant

Cement capacity: _____ (t/d), _____ (t/a)

Transport (*multi choices possible*)

- Auto road/ high way
- Rail
- Water/river/sea

Other remarks about the transport from/to the plant, please clarify:

5. Raw materials

A. Limestone

- ◇ No
- ◇ Yes

Quantity: _____ (t/a)

Price: _____ (euro/t)

Compositions of limestone

	Percentage (.00%, w/w)	
	Reference	Range
CaCO ₃		

Other remarks:

Questionnaire

B. Ashes

1) Coal fly ash

◇ No

◇ Yes

Quantity: _____ (t/a)

Price: _____ (euro/t)

Compositions of coal fly ash

	Percentage (.00%, w/w)	
	Reference	Range
SiO ₂		
Al ₂ O ₃		
Fe ₂ O ₃		
CaO		
MgO		
K ₂ O		
Na ₂ O		
SO ₃		
Cl-		
MnO		
P ₂ O ₅		
ZnO		
PbO		
TiO ₂		
BaO		
LOI**		

**.: Loss On Ignition

Other remarks:

Questionnaire

2) Paper ash

◇ No

◇ Yes

Quantity: _____ (t/a)

Price: _____ (euro/t)

Compositions of paper ash

	Percentage (.00%, w/w)	
	Reference	Range
SiO ₂		
Al ₂ O ₃		
Fe ₂ O ₃		
CaO		
MgO		
K ₂ O		
Na ₂ O		
SO ₃		
Cl-		
MnO		
P ₂ O ₅		
ZnO		
PbO		
TiO ₂		
BaO		
LOI**		

** : Loss On Ignition

Other remarks:

Questionnaire

3) Combustion ashes

◇ No

◇ Yes

Quantity: _____ (t/a)

Price: _____ (euro/t)

Compositions of combustion ashes

	Percentage (.00%, w/w)	
	Reference	Range
SiO ₂		
Al ₂ O ₃		
Fe ₂ O ₃		
CaO		
MgO		
K ₂ O		
Na ₂ O		
SO ₃		
Cl-		
MnO		
P ₂ O ₅		
ZnO		
PbO		
TiO ₂		
BaO		
LOI**		

** : Loss On Ignition

Other remarks:

Questionnaire

4) Volcanic ash

◇ No

◇ Yes

Quantity: _____ (t/a)

Price: _____ (euro/t)

Compositions of volcanic ash

	Percentage (.00%, w/w)	
	Reference	Range
SiO ₂		
Al ₂ O ₃		
Fe ₂ O ₃		
CaO		
MgO		
K ₂ O		
Na ₂ O		
SO ₃		
Cl-		
MnO		
P ₂ O ₅		
ZnO		
PbO		
TiO ₂		
BaO		
LOI**		

** : Loss On Ignition

Other remarks:

Questionnaire

5) Other pozzolanic materials, please state:

Materials name: _____

Quantity: _____ (t/a)

Price: _____ (euro/t)

Compositions of other pozzolanic materials

	Percentage (.00% w/w)	
	Reference	Range
SiO ₂		
Al ₂ O ₃		
Fe ₂ O ₃		
CaO		
MgO		
K ₂ O		
Na ₂ O		
SO ₃		
Cl-		
MnO		
P ₂ O ₅		
ZnO		
PbO		
TiO ₂		
BaO		
LOI**		

** : Loss On Ignition

Other remarks:

Questionnaire

C. Alumina (or Al_2O_3 contained materials)

◇ No

◇ Yes

Quantity: _____ (t/a)

Price: _____ (euro/t)

Compositions of alumina

	Percentage (.00%, w/w)	
	Reference	Range
Al_2O_3		

Other remarks:

D. Sodium carbonate (Na_2CO_3)

◇ No

◇ Yes

Quantity: _____ (t/a)

Price: _____ (euro/t)

Other remarks:



Questionnaire

6. Energy sources(*multi choices possible*)

- Coal/coke
- Natural gas
- Oil
- Solar panels
- Windmills

Other remarks:

Questionnaire

7. Cement market

A. National market

1) Portland cement

Production (t/a)	Consumption(t/a)	Price (euro/t)	Cost * (euro/t)

*: estimated production cost in the factory

Statistics of Portland cement in the last ten years

Year		-10	-9	-8	-7	-6	-5	-4	-3	-2	-1
Production	t/a										
Consumption	t/a										
Price	Euro/t										

Future development

	Production (t/a)	Consumption(t/a)	Price (euro/t)	Cost * (euro/t)
Short-term(<3 y)				
Long-term(3-10 y)				

Questionnaire

2) Blast furnace slag cement

Production (t/a)	Consumption(t/a)	Price (euro/t)	Cost * (euro/t)

*: estimated production cost in the factory

Statistics of Blast furnace slag cement in the last ten years

Year		-10	-9	-8	-7	-6	-5	-4	-3	-2	-1
Production	t/a										
Consumption	t/a										
Price	Euro/t										

Future development

	Production (t/a)	Consumption(t/a)	Price (euro/t)	Cost * (euro/t)
Short-term(<3 y)				
Long-term(3-10 y)				

Questionnaire

2) Portland fly ash cement

Production (t/a)	Consumption(t/a)	Price (euro/t)	Cost * (euro/t)

*: estimated production cost in the factory

Statistics of Portland fly ash cement in the last ten years

Year		-10	-9	-8	-7	-6	-5	-4	-3	-2	-1
Production	t/a										
Consumption	t/a										
Price	Euro/t										

Future development

	Production (t/a)	Consumption(t/a)	Price (euro/t)	Cost * (euro/t)
Short-term(<3 y)				
Long-term(3-10 y)				

Questionnaire

2) Other type of cement (*if you think it is important*)

Type of cement: _____

Production (t/a)	Consumption(t/a)	Price (euro/t)	Cost * (euro/t)

*: estimated production cost in the factory

Statistics in the last ten years

Year		-10	-9	-8	-7	-6	-5	-4	-3	-2	-1
Production	t/a										
Consumption	t/a										
Price	Euro/t										

Future development

	Production (t/a)	Consumption(t/a)	Price (euro/t)	Cost * (euro/t)
Short-term(<3 y)				
Long-term(3-10 y)				

Questionnaire

B. Local market

1) Target area

- ◇ < 50 km
- ◇ <100 km
- ◇ <150 km
- ◇ < 300 km

Within the area you have chosen:

Type of cement

- Ordinary Portland cement

Production: _____ (t/a)

Consumption: _____ (t/a)

Price: _____ (euro/t)

Future trend:

- Blast furnace slag cement

Production: _____ (t/a)

Consumption: _____ (t/a)

Price: _____ (euro/t)

Future trend:



Questionnaire

- Portland fly ash cement

Production: _____ (t/a)

Consumption: _____ (t/a)

Price: _____ (euro/t)

Future trend:

- Other types of cement: _____

Production: _____ (t/a)

Consumption: _____ (t/a)

Price: _____ (euro/t)

Future trend:



Questionnaire

2) Target market

a) Pre-cast concrete

b) Ready mix concrete

c) Contractors

Other remarks:



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3) New cement plants

being planned or constructed in this area, besides this one

◇ No

◇ Yes

Name: _____

Investor: _____

Capacity: _____ (t/a)

Type of cement (*multi choices possible*)

- Ordinary Portland cement
- Blast furnace slag cement
- Portland fly ash cement
- Special types of cement

Other remarks:



Questionnaire

8. ASCEM can offer:

- ❖ A complete knowhow package for a production plant of ASCEM cement
- ❖ feasibility study
- ❖ Assistance in construction or erection
- ❖ Starting up the factory
- ❖ Product development of ASCEM cement and concrete

Please send the completed questionnaire to ir. Zhengyang Lu

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