

Cement plant

Define the production capacity of the system considering the availability

1- Define the number of machine for each stage

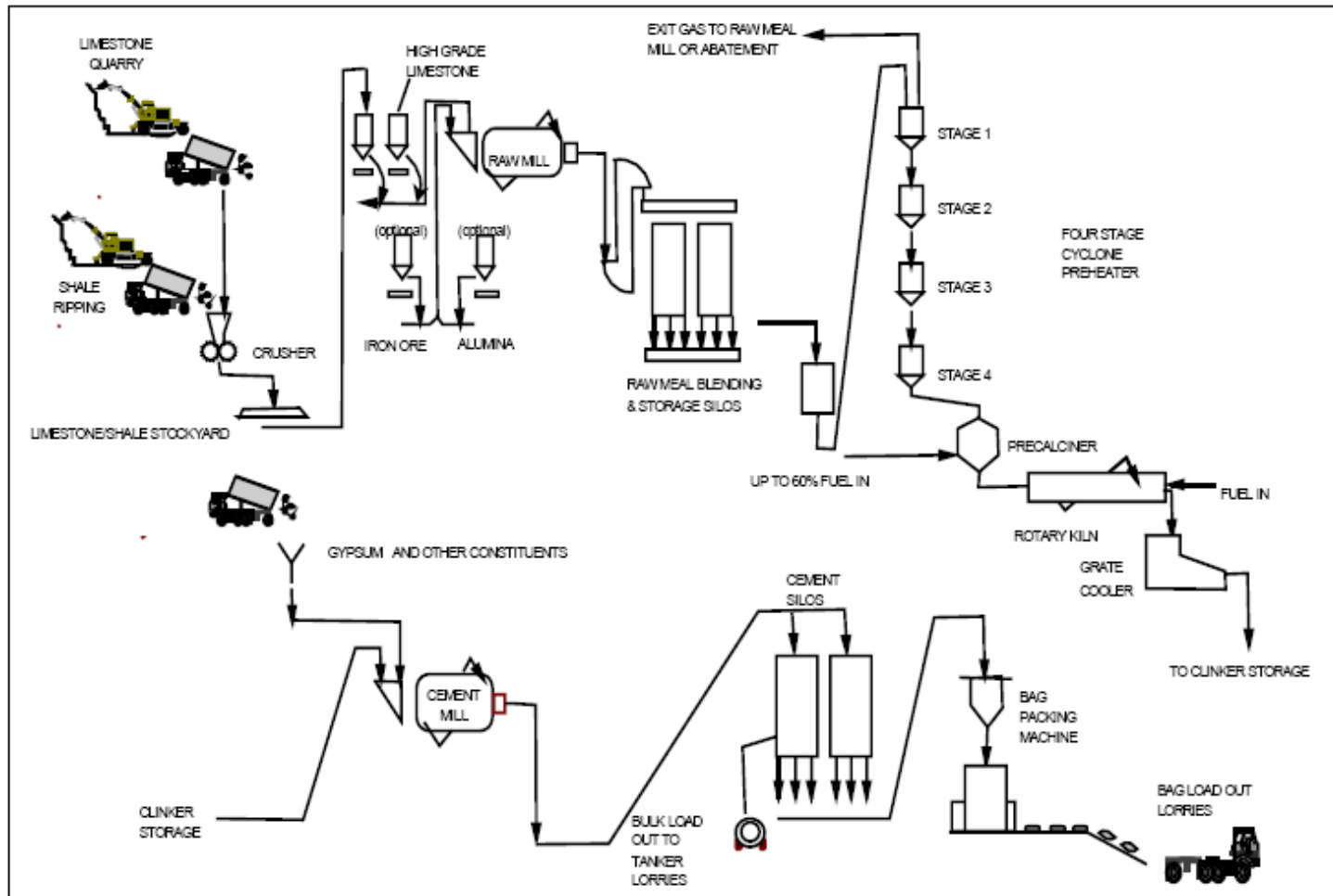
2- Evaluate the production capacity and the use of each machine

Method:

- RBD
- Throughput

Cement plant

Input:



Cement plant

Input:

- Apening time: 320 days/year
- Throughput nominal

	Nominal Throughput	
Raw Mill	4.500	t raw meal / day
Rotary Kiln	4.000	t clinker / day
Cement mill	3.500	t cement / day
Bag packing machine	80.000	cement bags / day

- Bill of material: 0,88 t clinker / t cement
1 t raw meal / t clinker
- Packaging: 50 kg / cement bag
- Key performance indicator di manutenzione

	MTBM	MDTp+c
Raw Mill	35	3
Rotary Kiln	30	2
Cement mill	40	2
Bag packing machine	50	1