

6.3.7.5 Specific Actual Cost of Thermal Energy [RC/t clin]

Description

Specific actual cost of traditional thermal energy corresponds to the [cost of traditional fuels \(thermal energy\) consumed](#) in clinker production, including preparation and handling costs, per ton of clinker produced.

Specific actual cost of alternative thermal energy corresponds to the [cost of alternative fuels \(thermal energy\) consumed](#) in clinker production, including preparation and handling costs, per ton of clinker produced.

Specific actual cost of thermal energy includes the actual costs of the 'Traditional Fuels Preparation and Handling' and 'Alternative Fuels Preparation and Handling' pre-process costs centers (see '[Definitions](#)' of pre-process cost centers) and also the costs of the fuels themselves (type of Cost 'Fuels / Thermal Energy (kiln)' within main cost center 'Clinker Production').

Preparation and handling costs of traditional and alternative fuels at the cement plant is the 'actual' of 'Traditional Fuels Preparation and Handling' and 'Alternative Fuels Preparation and Handling' pre-process costs centers.

Reference to Process

This indicator refers to:

- Main cost center 'Clinker Production'
- Pre-process cost centers 'Traditional Fuels Preparation and Handling' and 'Alternative Fuels Preparation and Handling'
- Product sub-segment 'Clinker and Cement'

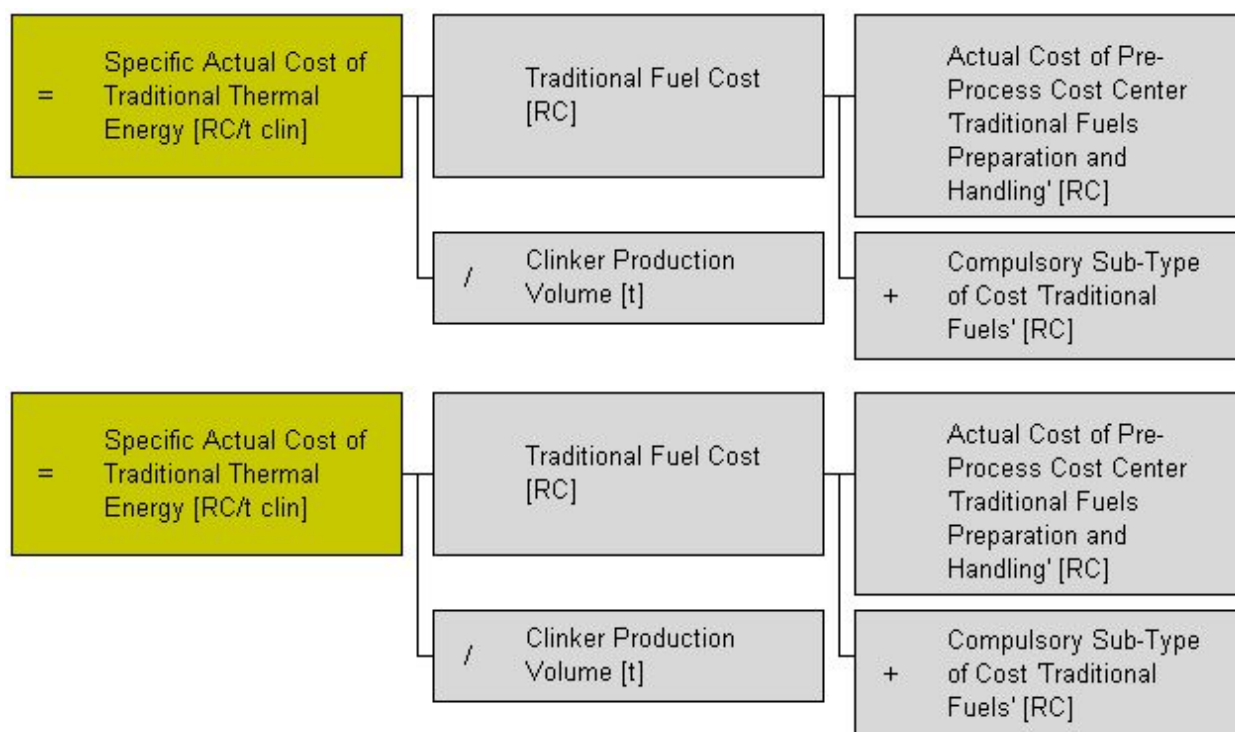
Purpose

To measure the actual cost of fuel including preparation and handling per ton of clinker produced.

Calculation

The indicators shall be calculated separately for:

- Traditional fuels
- Alternative fuels



Comments and Examples

TIS data normalization codes: ICS Code L00+LCTUP+TF; ICS Code V00+LCTUP+AF. and ICS Code 400+LCTUP+FUEL.

Actual preparation and handling of traditional fuels - Cement plant ACS Code L00+RC+TF

Actual preparation and handling of alternative fuels - Cement plant ACS Code V00+RC+AF

Specific actual cost of traditional thermal energy includes the actual costs of the 'Traditional Fuels Preparation and Handling pre-process costs center (see [Definitions](#) of pre-process cost centers) and also the costs of the traditional fuels themselves.

Specific actual cost of alternative thermal energy includes the actual costs of the 'Alternative Fuels Preparation and Handling' pre-process costs center (see [Definitions](#) of pre-process cost centers) and also the costs of the alternative fuels themselves (included in the compulsory sub-type of cost 'Alternative fuels' within main cost center 'Clinker Production'.)

Actual preparation and handling of traditional fuels - Cement plant is the actual cost (sum of variable cash, fixed cash and provisions/deferrals) of 'Traditional Fuels Preparation and Handling' pre-process costs center.

'Alternative Fuels Preparation and Handling' pre-process costs center is the actual cost (sum of variable cash, fixed cash and provisions/deferrals) of 'Alternative Fuels Preparation and Handling' pre-process costs center.

The alternative fuels are listed in '[Thermal Substitution Rate - TSR](#)'.

If the type of cost 'Fuels / thermal energy (Kiln)' = 52'672 RC,

If the compulsory sub-type of cost 'Traditional Fuels' = 158'015 RC,

If the compulsory sub-type of cost 'Alternative Fuels' = -105'343 RC,

If the Actual cost of 'Traditional Fuels Preparation and Handling' = 105'500 RC,

If the Actual cost of 'Alternative Fuels Preparation and Handling' = 101'600 RC,

If the clinker production volume is 42'000 t, then:

Specific actual cost of traditional thermal energy = $(158'015 + 105'500) / 42'000 \text{ t} = 6.27$
[RC/t clin]

Specific actual cost of alternative thermal energy = $(-105'343 + 101'600) / 42'000 \text{ t} =$
-0.089 [RC/t clin]

Specific actual cost of thermal energy = $(52'672 + 105'500 + 101'600) / 42'000 = 6.185$
[RC/t clin]

For the functional reports the calculation must be made by type of material according to the [PSCS classification](#).

Note:

This indicator must not to be confused with [Specific actual cost of thermal energy per Gigajoule \[RC/GJ\]](#)

3.6 GJ is an approximate amount of thermal energy required to produce one ton of clinker.

Reporting Requirements

The indicators are reported in SAP FC.