

Investment Breakdown for the Project Use of biomass as an alterr

This sheet shows detailed figures regarding investment required to carry out project activity.

Equipment Description	Price
Collection center	\$ 4,536,889.00
Engineering	\$ 23,900.00
Chipping complex	\$ 1,332,541.00
Civil work	\$ 2,224,542.00
Electric work of force and control	\$ 955,907.00
Unload, drying, grinding, pneumatic transport and Maerz system	\$ 62,597,747.00
Engineering	\$ 945,549.00
Discharge hopper system	\$ 2,196,078.00
Reception hopper	\$ 1,504,451.00
Cover and winch	\$ 425,190.00
Converyor belt	\$ 306,596.00
Magnet	\$ 486,245.00
Drying system	\$ 13,910,427.00
Screw conveyor	\$ 550,380.00
Refiner mill	\$ 3,075,423.00
Blower	\$ 197,080.00
Pneumatic piping	\$ 2,242,795.00
Cyclon	\$ 395,535.00
Dust collector	\$ 997,685.00
Silo	\$ 2,127,587.00
Aerzen blower	\$ 743,486.00
Spears biomass injection system	\$ 14,963,088.00
Piping for biomass injection through spears	\$ 3,267,123.00
Civil work	\$ 4,569,484.00
Structural work in grinding and biomass conduction	\$ 2,834,796.00
Electric work of force and control	\$ 1,456,539.00
Electric work of biomass grinding system	\$ 2,906,615.00
Engine control room	\$ 428,749.00
General installation	\$ 625,993.00
Grinding and biomass conduction starting	\$ 1,070,651.00
Automation system	\$ 370,202.00
Internal infrastructure	\$ 3,837,911.00
Substation	\$ 660,000.00
Safety equipments	\$ 105,000.00
Administrative expenses	\$ 2,668,390.00
Provisional expenses	\$ 114,333.00
Another office expenses	\$ 290,188.00
Spears biomass injection system*	\$ 14,963,088.00
Total Investment Cost	\$ 85,935,635.00
	\$ 6,852,921.45

* Differential cost to upgrade the new kiln (600 tpd) and enable it to use biomass residues.

Reference	Document	Type
A	P115_VAL_364	pdf
B	P115_VAL_364	pdf

Justification/ Support

Turnkey project's quotation

Turnkey project's quotation, page 4, item "Sistema de inyección de biomasa a lanzas (Maerz)".

