

Subject: Budget Quotation Refurbished WES30 250kW wind turbine

Thank you for your interest in our wind turbine solutions. I hereby can offer you, without engagement, the following specified deliveries and activities:

A. 1. Refurbished Wind Turbine Type Lagerwey 27/250 consisting of:

- Nacelle:
 - Gearbox with asynchronous generator of 250 kW
 - Two-bladed rotor system with a rotor diameter of 27 m
 - The blades consist of carbon fibre reinforced epoxy
 - The rotor system with passive regulated pitch mechanism
 - Upwind rotor position
 - Automatic yaw mechanism with wind vane
 - Automatic cable twist safety device
 - Imbalance sensor and over-speed safety device
 - Steel chassis with polyester cover and inspection platforms
 - Anemometer mounted on the top of the cover
 - Double safety features
 - Control cabinet AC-DC-AC, grid filters, PLC converter with indicator panel

Refurbishment includes:

- ✓ Refurbished Gearbox
- ✓ Refurbished Generator (bearings and windings)
- ✓ Refurbished Rotor
- ✓ Repaired Blades with new coating + balanced
- ✓ Refurbished Yaw engine
- ✓ New main bearing
- ✓ Sandblasted and new coated nacelle
- ✓ Inspection and repair of controller if applicable

A.2. Tower (not included)

B. Tools & Safety Equipment:

- One complete set of tools.
- One complete set of safety harness equipment.

C. Supervision of installation, start up & training:

- One (1) TWF engineer supervising the installation of the turbine on site.
- Insurance of the turbine during erection, installation and start-up.
- Start-up of the turbine.
- User and service training during installation.
- Technical support by telephone and e-mail before and after installation.
- Drawings needed for foundation etc.

Duration on-site: normally 8 days for 1 turbine

Should installation and start-up take more time beyond our control, the extra costs will be charged to the buyer. **NOTE:** The TWF engineer will only SUPERVISE the local engineers on-site during installation.

BUYER'S RESPONSIBILITY

- Soil/surface test to determine the correct type of foundation.
- Fabrication and installation of foundation and foundation anchor, according to our specifications.
- Fabrication and installation of a shed for the control cabinet, according to our specifications.
- An electrical engineer (from buyer or local service company) should be present to be trained by the TWF Supervisor for assistance and future maintenance checkups.
- Sufficient skilled staff as specified below.
- All installation tools (when not included in this quotation), as well as hoisting and lifting equipment required for installation, according to our specifications.
- A crane with sufficient lifting capacity for unloading and installation of the wind turbine.
- Grid connection.
- Cables between control cabinet and grid connection.
- Legal charges of the building and environment license.
- Other items not specifically mentioned as being included.

Sufficient skilled staff should consist of:

- 2 electrical engineers (English speaking)
- 2 mechanical engineers (English speaking)

Price Summary (prices are ex-VAT):

Item	Description	Price	Quantity	Euro
A.1.	Refurbished LW27/250kW	92.000,00	1 unit(s)	92.000,00
A.2.	30m WES Tubular Steel Tower (new)	93.000,00	1 unit(s)	93.000,00
A.3.	Wind-Diesel hybrid control box (WES30)	115.000,00	0 unit(s)	0,00
B.	Installation Tools	4.245,00	1 set(s)	4.245,00
	Safety equipment	595,00	1 set(s)	595,00
Total Price Ex-Works Suawoude, the Netherlands				189.840,00
C.	Supervision of installation & Commissioning	7.600,00	7 days	7.600,00
D.	Packing & CIF Ex-Works Suawoude, the Netherlands	4.850,00	1 unit(s)	4.850,00
Total Price Ex-Works Suawoude, the Netherlands, incl. Supervision of Installation & Commissioning				202.290,00
<i>Optional (against surplus price)</i>				
A.4.	39m WES Tubular Steel tower	99.000,00	0 unit(s)	0,00
A.5.	48m WES Tubular Steel tower	151.000,00	0 unit(s)	0,00
E.1.	Anchor for 30m tower	24.750,00	0 unit(s)	0,00
E.2.	Anchor for 39m tower	27.750,00	0 unit(s)	0,00
E.3.	Anchor for 48m tower	30.750,00	0 unit(s)	0,00
F.1.	Diesel generator 250kVA	55.800,00	0 unit(s)	0,00
F.2.	Diesel generator 500kVA	81.700,00	0 unit(s)	0,00
<i>Excluded, by Local supply(indication value only, based on European experience)</i>				
H.	Soil testing (sonar) for foundation	950,00	0 unit(s)	0,00
I.	Foundation engineering and construction	44.000,00	0 unit(s)	0,00
J.	Crane rental (200MT) for 1 or 2 days	4.500,00	0 day(s)	0,00
K.	Local skilled staff (4) as mentioned before	0,00	0 unit(s)	0,00
L.	Grid connection / free group	0,00	0 unit(s)	0,00
M.	Cable between controller and Grid connection	100,00	0 meter(s)	0,00
All other items like legal charges not specified above				

Terms of Payment & Delivery: see page 5

We are open for evaluating a turn-key price, after we got more information about the preferred hub height and tower structure, the location, the soil condition and consequently needed foundation, crane availability and costs, transport costs, grid connection features and other items to create a complete setting. When a Hybrid wind-diesel is preferred, we would like to know the specifications of the diesel generator as well (if making use of an existing one), in order to assure well working of the total system.

If you have any questions with regard to this quotation or our delivery program, please do not hesitate to contact us.

We trust this quotation will be of interest to you and we are looking forward to your esteemed order with much interest.

Yours Sincerely,

REPOWERING SOLUCIONES EOLICAS

Alfonso Alvaro
Managing Director



Annexe:

- a. Terms of Payment and Delivery
- b. Metaalunie delivery conditions

Terms of Payment and Delivery

Delivery conditions:	Ex-Works Suawoude, the Netherlands
Prices:	Excluding VAT and import duties.
Validity:	The prices are valid when order will be placed before 1st of May. Sales in between may occur!
Delivery time:	1 till 2months on receipt of order from buyer, down payment accepted by REPOWERING SOLUTIONS and provided all necessary technical details and lay-out are known to us.
Payment:	60% down payment upon placement of order. 40% to be paid when goods are ready for shipment
Warranty:	12 months on all mechanical parts of the wind turbine including generator and gearbox (transport, labour and travel costs excluded)
Maintenance:	We can offer you also a maintenance contract, out of our portfolio.

REFURBISHMENT & RETROFITTING PROCESS

- ALL PARTS: Inspect/replace as needed
- GEARBOZ: Inspect gearbox, check end play, replace seals if needed, and fill with new gear oil.
- BRAKE UNIT: Test magnetic brake unit & meg electric motors, replace as needed.
- YAW SYSTEM: Meg yaw motor(s). inspect yaw bearing & adjust yaw pinon gear to yaw slez ring.
- GENERATOR: Meg generator, clean and replace as needed.
- MAIN SHAFT: Inspect mainshaft bearing, seals & couplings. Replace if needed.
- ANENOMETER: test RPM sensor, anemometer & windvane.
- CONTROLLER: Check & test controller & re-set parameters, add PLC if needed.
- BLADES: Inspect blades, balance & match set, inspect & adjust tips & replace tip pins & bushings if needed.

Notes:

1. Prices and delivery dates are subject to availability and change. We do offer price discounts for multiple system purchases. Contact us for additional informacion and a formal price quote.
2. Please confirm system availability, delivery dates and price with us at: sales@repoweringsolutions.com
3. Annual electrical production in kilowatt-hours will vary dependent upon your wind speed averages. We would be glad to assist you in calculating your annual production upon request.