

Gorlice, October 3, 2014.

**Bidder
Name
Address**

REQUEST FOR QUOTATION

Dear Sir or Madam,

Acting on behalf of Gór-stal Sp. z o.o, I am requesting a quotation for the supply of:

Waste Recycling Installation in the form of a briquetting press for polyurethane dust formed in the course of manufacture of PIR insulating panels.

The tender procedure is related to the company's implementation of an investment entitled "Implementation of an innovative manufacture technology for PIR type insulating panels" in Bochnia, Małopolskie Voivodeship, as part of the Innovative Economy Operational Programme, measure 4.4. New investments of high innovative potential.

I. Description of manufactured products:

- | | |
|----------------------------------------------------------------------------------------------------------------------|-------------------------------|
| 1. Panel thickness: | 20 - 250 mm |
| 2. Panel system width: | 120 mm |
| 3. Basic panel length: | |
| a. Standard panel: | 2400 mm (4x600 mm; 2x1200 mm) |
| b. Custom panel: | 1800 mm; 3000 mm |
| c. Custom panel (without automation): | > 6000 mm - 12000 mm |
| 4. PIR foam weight: | +/- 28 - 35 kg/m ³ |
| 5. Panel weight per running meter: | Max. 11 kg |
| 6. Longitudinally and transversely milled panels in three types: straight edge; stepped edge; tongue and groove edge | |
| 7. Polyurethane foam system: | PIR foam |
| 8. Foaming agent: | n-pentane, and/or c-Pentane |

II. Description of the Waste Recycling Installation - PIR foam dust briquetting unit

It has been designed to allow approx. 30-fold decrease in volume of recycled chips and PIR dust generated in cutting and milling units of the processing line in Gór-Stal in Bochnia.

Cutting and milling units:

- Cross-cut saws;



GÓR-STAL sp. z o.o.
ul. Przemysłowa 11
38-300 Gorlice
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e-mail: info@gor-stal.pl
www.gor-stal.pl

KRS: 0000166841
Sąd Rejonowy dla Krakowa
Śródmieście w Krakowie, XII
Wydział Gospodarczy Krajowego
Rejestru Sądowego

Kapitał Zakładowy: 5 000 000 zł
NIP: 738-19-45-154
REGON: 852712117

Bank Zachodni WBK S.A.
Ul. Rynek 9/11, 50-950 Wrocław
Nr. Konta: 9410 90 1838 00000001 1562 8092

- Longitudinal milling machine;
- Multi-saw (panel dividing saw)
- Transverse milling machine

The produced polyurethane chips and dust are recovered from the aforementioned units and transported through the filtering unit (Dust Extraction System) to the **Waste Recycling Installation - PIR dust briquetting unit which is the subject of this request for quotation.**

III. The bid for the Waste Recycling Installation should include as follows:

1. Tank

- A solid rectangular tank with a hydraulically driven rake, mounted on a guide above the bottom of the tank, used to feed polyurethane chips to the conveyor screw.
- A sliding floor that allows for avoiding the accumulation of chips in the tank.
- A plenum chamber with a height of 400 mm.

2. Devices:

- A control panel with required control elements,
- A PLC control system,
- A hydraulic tank,
- A hydraulic motor with a power of 11 kW (minimum),
- A high-pressure oil pump to obtain the required pressure force,
- Automatic/manual setpoint,
- A lubrication period display,
- Operating and emergency displays.

3. Pressing unit:

- Made of carbon steel,
- A chrome cylinder for an optimum transfer of force,
- Two hydraulic cylinders for feed and preliminary and main cold work of chips,
- An integrated briquette length optimization system which allows for obtaining fixed length briquettes,
- A lubrication system with a container for lubricant and a valve system for two lubricators,
- Automatic filling control (overflow protection) using a rotating scraper detector in accordance with ATEX II 1/3 D,
- A signalling device to indicate the filling level with an indicator,
- Briquette diameter: 75 mm,
- Unit's briquetting yield depending on the type and moisture of chips: approx. 100-150 kg/h (max. 200-300 kg/h).

4. Automation and control technology of the briquetting press:

- Wiring and installation materials,
- A complete control cabinet and an installation control system panel,
- A complete control cabinet and an installation control system panel,
- A project that complies with DIN/VDE and IEC electro-technical regulations,
Operating voltage: 400 V, 3-phase / neutral conductor / PE,
- Control voltage: 230 V, 50 Hz / 24 V AC,
- Valve supply voltage: 24 V / DC,
- Signal voltage: 24 V,



- h. Voltage frequency: 50 Hz,
 - i. Control systems and control devices for solenoid valves and motors,
 - j. PLC control systems, type: Siemens S7,
 - k. Wiring and installation materials to connect terminal boxes of particular components with a control cabinet and a control panel.
5. Installation and supervision:
- a. A complete installation procedure of mechanical and electrical parts
 - b. Commissioning, monitoring of performance and security
6. Delivery of equipment to Bochnia, Małopolskie Voivodeship, a new factory of GóR-Stal, ul. Adolfa Mittery.
7. The bidder is obliged to deliver complete documentation of the equipment consists of:
- a. Plan
 - b. Figure of base
 - c. Operating Manual
 - d. Maintenance Manual
 - e. Pneumatic system and lubrication scheme
 - f. Wiring diagram
- 8.

Moreover, the bid should include the following:

- full name and address of the bidder,
- description of the scope of the bid,
- order completion date,
- bidding price.

The bid should be sent via e-mail to: **mirosław.stoklosa@gor-stal.pl**, by post or delivered personally to the Company's office (details in the footnote).

We would like to know if you have an accredited certification for the Environmental Management System that complies with the requirements of ISO 14001 or the EMAS Regulation. If we receive comparable bids from different suppliers, we will choose the company that holds the aforementioned certificates.

Bid submission deadline: **October 20, 2014.**

Bid validity deadline: **November 20, 2014.**



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The bids will be evaluated on a scale from 1 up to 100 points based on the criteria defined below.

Criterion	Criterion weight	Criterion evaluation method
Price Prices in foreign currencies will be converted into PLN based on the National Bank of Poland rates as of the bid issue date.	100%	Lowest price / evaluated price * 100 points * 100%

The Ordering Party reserves the right to invalidate the procedure without stating a reason.

Contact person:

Mirosław Stokłosa
e-mail: miroslaw.stoklosa@gor-stal.pl
tel.: +48 697 697 852

Best regards,



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