

ANNOUNCEMENT NO. 2

of March 15, 2022

In connection with the initiated procedure No. **3/2022/0786 of February 11, 2022 in the scope of the purchase, delivery (in accordance with DDP INCOTERMS 2010), installation and commissioning of fixed structural components in demonstration plant: ongoing measurement of sheet geometry (length, width, thickness and flatness) regarding the project entitled "Innovative hybrid technology of straightening hot-rolled sheets"** (co-financing agreement no. : POIR.01.01.01-00-0786/18), co-financed by the European Regional Development Fund and under the Operational Program Intelligent Development 2014-2020, sub-measure 1.1.1 Industrial research and development works carried out by enterprises (competition organized by the National Center for Research and Development No. 5/1.1.1/2018),

the provisions of the inquiry are hereby clarified.

Due to tenderers' questions about technical details regarding the inquiry we publish below answers to these questions.

1. QUESTION (Q): We have a problem with required temperature range $-20 - 40$ °C. Especially -20°C causes problems. It is possible to heat the electrical boxes but the sensors itself working in very low temperature can cause measurement fault. The reason is using optical methods. Please consider it.

ANSWER (A): Requirement for system working in temperature range -20° to $+40^{\circ}\text{C}$ is the admissible condition and has to be fulfilled by the supplier.

2. Q: Is there any space in electrical room for computer providing database of measurement? There is a problem with environment for the computer. Either it must be in air conditioned electrical cabinet or in air conditioned "electrical" room. Please specify also distances and cable route for network connection.

A: There will be dedicated space (air conditioned IT cabinet) for computers providing database of measurement. Regarding cable route there is an air conditioned server room in administration building (dedicated space for server) and connection between server room and IT cabinet is realised with multimode fiber of length about 350m. Connection between IT cabinet and operator cabin is realized with cables [FTP 5e](#).

3. Q: Requirement of accuracy for length measurement: *tolerance at least ± 1 mm for sheets up to 4000 mm*. We have a gauge with accuracy 0.03%, i.e. the accuracy between 3333 mm and 4000 mm is over 1 mm => maximum 1,2 mm at the length 4000 mm.



A: The required tolerance for length up to 4000 mm is +/- 1 mm, which means that proposed by supplier 1,2 mm accuracy fulfills requirements.

4. Q: Since it is not reliable to form a consortium, we need that the producers of measurement gauges will be responsible for bank guarantee for down payments for their part of delivery.

A: The bank guarantee must be issued by the entity with which the contract for the purchase, delivery (in accordance with DDP INCOTERMS 2010), installation and commissioning of fixed structural components in demonstration plant: ongoing measurement of sheet geometry (length, width, thickness and flatness) will be signed.

5. Q: We have some doubts about technical requirements in your inquiry:
- *the system shall be operated 7 days a week, through 3 work shifts, 8 hours a day;*
- *every sheet cut has to be measured (100% of output);*

The measuring system is a technical equipment. It needs maintenance, calibrations. Even extremely good and properly maintained system can have some failure. The usual definition is something like the system must be available 99%. Consider also that 100% measured sheet will be dependent also on the right signals from process automation

A: We understand matters related to maintenance and calibration and we'll follow them according to supplier' guidelines. The reason of putting these requirement in the RFQ was to note that system is going to be used 24h/day and it's the continuous measurement we require so that supplier could take it into account in its design.

Announcement No. 2 is only a detailed specification of the existing provisions of the inquiry. The remaining content of the inquiry remains unchanged.