

Dąbrowa Górnicza, 04.12.2020

**Answers to questions received during the tender process no. 1/0099\_18/2020**

Regarding the request for quotation no. 1/0099\_18/2020 concerning **purchase, deliveries (in accordance with DDP INCOTERMS 2010), installation and start-up of the pilot installation of the gas cleaning plant for Blast Furnace No. 2 in Dąbrowa Górnicza.**

QUESTION	ANSWER
1. Question to Appendix 10 to the technical specification "Battery limits" - 13. Electrical supply - medium and low voltage	The TOP for 6kV devices is the S-107B switchgear, while the TOP for LV (400V) devices will be the T-107ABCD switchgear depending on the size of the power demand reported by Supplier
2. Question to Appendix 10 to the technical specification "Battery limits" - 15. Automation / Networking - Thin client	Thin Client will be installed in the BF2 control room and will be connected to the L2 switch provided by AMP
3. Question to Appendix 10 to the technical specification "Battery limits" - 16. Automation / Networking	L2 switch will be provided by AMP, network at L0 level to be delivered by Supplier.
4. Question to Appendix 10 to the technical specification "Battery limits" - 16. Automation / HMI Software & Thin Client Configuration	Local HMI in the form of an operator panel that will be installed on the door of the GCP PLC cabinet, the license for the operator panel should be compatible with the controller
5. Question to Appendix 10 to the technical specification "Battery limits" - 18. Automation / Interfaces with other systems	For the connection between controllers (exchange of process data and control signals) within BF2 via the PN / PN Coupler it is accepted and does not require HAZOP analysis.
6. Question to Appendix 11 to the technical specification " Requirements for the Automation_IT system for the contractor of the GCP ": - clarification of point 1.6  - clarification of point 3.3 "The tenderer should provide 24/7 assistance during the BF2 commissioning" - clarification of point 4.4, regarding training	- Some elements of the system may remain closed, while the scope of limited access must be limited and all closed elements must have a detailed description (operation and interface) so that these elements can be used without any problems and the entire automation system can be debugged. Electrical documentation should be submitted in the form of an EPLAN P8 project in a version not older than 2.7 and in the form of generated DWG drawings - Start-up assistance should be 2 weeks 24/7 plus 4 weeks with 1 day-shift.  - Training described in point 4.4 should include training on the platform on which the system will be developed and



<p>- question regarding UPS</p>	<p>should be limited to 5 training units for PLC and 5 training units for SCADA.</p> <ul style="list-style-type: none"><li>- Each UPS should be equipped with an SNMP network card and connected to the automation system (device diagnostics)</li></ul>
---------------------------------	--