

Memorandum of Information I			
Clarification questions on Tender "Charlie Hydrogeneration setup, Ref. 2020 FPL/INK231 date 09-02-2020"			
No.	Section nr. / subject	Question	Answer
1.	1.3.3 Scope and content of the Contract	Please indicate the available budget for the requested scope of the project.	The budget range is 275.000- 350.000 Euro for this project. An offer can not exceed this amount.
2.	1.3.3 Scope and content of the Contract	Can the location of delivery be indicated?	Delft, Leeghwaterstraat 44
3.	2.1 Schedule	Can the final date for submission of the tender be extended for 3 weeks? Please confirm,	The tender is been extented. The new date is 19-02-2021 12:00
4.	8.1. Programma of Requirements	Section 8.1 mentions: The complete (technical) programma of requirements which will be send to Tenderer after complemation of the NDA. Please advise if Appendix T01 contains the complete technical requirement or send NDA for obtaining the additional information required	This sentence can be skipped. Appendix T01 contains the technical requirements.
5.	9 Appendices	Appendix T02 - CCU Charlie Net lab PID is missing. Please send or publish the file.	PIDs of both setups are included in the original tender document. This file will be uploaded.
6.	9 Appendices	Ref. Appendix T01: Please provide examples of the chemical composition of the liquid feed mixture to the trickle-bed reactor. This we need to properly select construction materials of the set-up components based on chemical resistance and corrosivity.	This info is already stated in the original tender document: Typically, the liquid mixture can be an aqueous solution of amines (including aqueous solution of ammonia) with ionic species such as bicarbonate and formate. The column shall be pressurized with hydrogen.
7.	9 Appendices	Ref. Appendix T01: Please indicate if any chlorides can be present in the liquid feed mixture to the trickle-bed reactor.	No
8.	9 Appendices	Ref. Appendix T01: For the NH3 scrubber please indicate possible supplier(s) which can provide this for the requested size.	The tenderer is responsible for this task.
9.	9 Appendices	Ref. Appendix T01: Please specify the volume of the transportable buffer vessels (both feedstock and product) for the Hydrogenation reactor.	This info is already stated in the original tender document: 20 L