

**The list and requirements to the Pre-Feasibility Study / Feasibility Study / PDP / BDEP.**

**A determination of a scope of work of the companies participating in the project.**

**Appendix [x] for TCP [x]**

Designations:

ID: Input data for the design

Pre-FS: Pre-Feasibility Study

CU: Customer, (enter Customer name) (including affiliated contractors)

Inn: PT Innovate Teknologi Group, Contractor (and / or affiliated parties)

E: Execution, development of the item

A: Amendment and verification

I: Provision of the initial data for development

C: Control of provided documentation

N: Not provided, not applicable

Pre: Preliminary version of issued document

Adv: Advanced version of issued document

Fin: Final version of issued document

Term:

X- date of project start (contract signing)

X+n- number of weeks since "X" date

The document is provided for reference. Exact conditions must be coordinated between the Parties at Agreement conclusion stage.

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Table 1. Distribution of works on documentation, Pre-Feasibility Study content, scope of works of the Contractor, dates of documents provision.

No.	Title of the document / description	ID	Pre-FS		Term		
		CU	Inn	CU	Pre	Adv	Fin
<b>1</b>	<b>Basic provisions</b>						
1.1	List of project documents		E				
1.2	List of standards (normative documents)		N				
1.3	List of symbols of the graphic part (if applicable)		E				
1.4	List of units of measurement		E				
<b>2</b>	<b>Technology development</b>		N				
<b>3</b>	<b>Process</b>						
<b>3.1</b>	Basic development of technology concept, including, but not limited to: <ul style="list-style-type: none"> <li>- Issuance of block flow diagram (BFD) for single technology/processing sequence;</li> <li>- Description of processing scheme (based on BFD);</li> <li>- Picking of appropriate design capacity/throughput for installation;</li> <li>- Selection the number of working hours per year;</li> <li>- Simplified analysis of raw materials availability, composition, hazard level and other notable features;</li> <li>- Rough estimation / confirmation of products and by-products quality and amount;</li> <li>- List of required energy resources and reagents (i.e., electricity, natural gas, water, nitrogen etc.), without exact consumption rates.</li> </ul>	I	E				
<b>4</b>	<b>Commercial part</b>						
<b>4.1</b>	Selection of suitable process licensors / suppliers for each block (work is being done based on the data from opened sources).		E	C			
<b>4.2</b>	Preliminary definition of products and by-products		E	C			

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No.	Title of the document / description	ID	Pre-FS		Term		
		CU	Inn	CU	Pre	Adv	Fin
	market prices. Market investigation is not carried out.						
<b>4.3</b>	First round of CAPEX estimation.		E	A			

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