

APPENDIX 5

~~TIME SCHEDULES~~ MASTER

MILESTONE PLAN

Contract on subsidy for carbon capture, transport, and storage

Danish Energy Agency

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Instructions for Tenderers

This Appendix constitutes General Requirements in its entirety, cf. Tender specifications, paragraph 6.3.

The Tenderer shall complete this Appendix and submit the Appendix as part of the Tenderer's Offer.

The Appendix shall be completed according to the content of this Appendix and R-1, Appendix 3, Requirement specification & Appendix 4, Solution description.

In Table 1: 'Master Milestone Plan', the DEA has indicated with brackets where the Tenderer shall or should insert information. When the Tenderer inserts a date, it shall be done in the following format DD.MM.YYYY.

As stated in the Tender specifications, paragraph 11, the minimum time frame during which the tenderer must maintain the BAFO is 4 months from the expiry of the deadline for submission of BAFO. For the purpose of the Draft Milestone Plans the Tenderer may assume that the Contract is signed on 16 May 2023. If the Contract is signed at a later date – within the minimum time frame as mentioned above – the tenderer (Operator) is not entitled to any postponement of any Milestones, i.e., the tenderer (Operator) bears the risk of the exact timing of the signature of the Contract within the minimum time frame during which the tenderer must maintain the BAFO, see above. The Operator shall make the necessary adjustments in the Milestone Plans to cope with the time difference and deliver the Milestone Plans for the DEA's review and approval 30 days after Contract Signing, see R-1, Appendix 3, Requirements specification.

Please note that the Programme Milestones, specified by the DEA, shall not be changed with regards to sequence and names of the Programme Milestones and that the Tenderer shall not define any additional Programme Milestones. The Tenderer shall complete the Programme and Project Milestones, cf. R-1, Requirements specification. Under each Programme Milestone, except for Milestone 1.1, four rows have been pre-inserted for Project Milestones, however the number of Project Milestones is to be decided by the Tenderer. Thus the Tenderer can delete pre-inserted rows and insert as many additional Project Milestones as needed under each predefined Programme Milestone, except Programme Milestone 1.1, where no Project Milestones shall be inserted. The Tenderer should note that Appendix 3, Requirements specification, mentions several Project Milestones that should be included in this Appendix, e.g., documentation of the CO2 storage site's compliance as per R-7 in Appendix 3, Requirements specification.

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The DEA ~~will require~~requires that the Tenderer submits documentation for the entry into all sub-contracts required for the performance of the CCS Activities, e.g., with a CO₂ storage supplier, as part of the deliverables in Programme Milestone 1.3 in this Appendix, and therefore not as part of BAFO.

If the Tenderer bases its solution on more than one carbon capture plant, operation of the full Value Chain (i.e. Commercial Operation Date) encompasses operation of all carbon capture plants. To the extent, that the carbon capture plants commence operation on different times, the Tenderer shall specify the operation date of each carbon capture plant as separate Project Milestones below Programme Milestone 3.1.

This guidance text will be deleted by the DEA in connection with conclusion of the Contract.

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1. Introduction

Appendix 5 includes:

- The template for the Operator's ~~Draft~~ Master Milestone Plan
- The DEA's predefined Programme Milestones
- ~~The template for the Operator's Project Milestone Plan~~

2. The Master Milestone Plan

The Master Milestone Plan's purpose is to provide the DEA with a clear overview of how the Operator plans to reach the Commercial Operation Date within the given timeline, cf. Programme Milestone 3.1. The Operator's objective for this Appendix is to provide the DEA with a transparent and structured completion of the Master Milestone Plan. The Master Milestone plan defines the Timing of the DEA's predefined Programme Milestones, defines Project Milestones, and the Timing of the Project Milestones, cf. R-1, Requirements specification.

Furthermore, the Master Milestone Plan contains a description of a planning methodology, e.g. MSP, Prince 2, IPMA, or similar planning methodology in section 3 'Planning Methodology' of this Appendix, as well as explanation of how it will be applied to the programme.

The Operator has in addition to the completion of the Master Milestone Plan also provided a Detailed Milestone Plan in Appendix 5.A 'Detailed Milestone Plan'. The Detailed Milestone Plan includes the activities contributing directly or indirectly to the progress and success of the project, including Sub-Suppliers' activities, cf. R-1, Requirements specification.

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The Operator shall in addition to the completion of the detailed Programme Milestone Plan also provide a graphical version of the Programme Milestone Plan, as exemplified below, clearly stating the Timing of each Programme Milestone in sub-appendix 5.A, 'Graphical version of the Programme Milestone Plan'.

Example of a graphical version of the Programme Milestone Plan:

Programme Milestones – Expected timeline

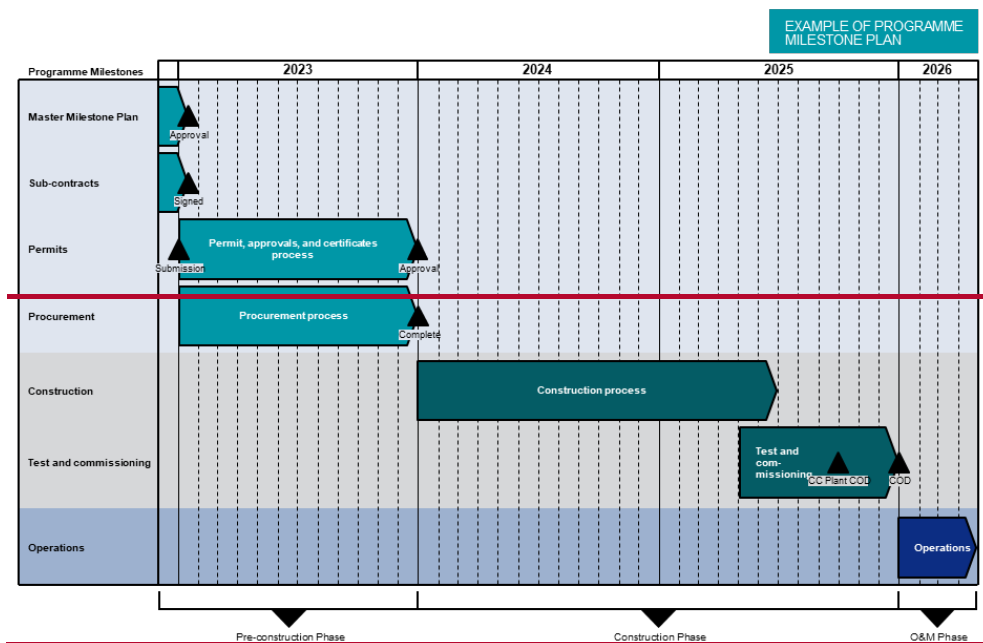


Table 1: Master Milestone Plan

<u>Master Milestone Plan</u>	
<u>Pre-Construction Phase</u>	
<u>Programme Milestone 1.1: Master Milestone Plan and Detailed Milestone Plan delivered for approval</u>	<u>Date</u>
<u>The Master Milestone Plan and Detailed Milestone Plan shall be delivered for approval, at the latest 30 days after Contract Signing, to the DEA. The</u>	<u>The date is to be inserted by the Operator</u>

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plans shall be delivered to the DEA's Contract Owner's e-mail, cf. Appendix 8, Governance, in a pdf format no later than on the specified date of the Programme Milestone's completion.	Immediately after Contract Signing
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Programme Milestone 1.2: All applications for permits, approvals, and certificates are submitted	Date
The Operator shall provide to the DEA documentation of the submission of the applications of permits, approvals, and certificates needed to initiate construction and operate all the elements of the Value Chain. The documentation shall be delivered collectively in a pdf format to the DEA's Contract Owner's e-mail, cf. Appendix 8, Governance, no later than on the specified date of the Programme Milestone's completion. The documentation should include the name of the permits, approvals, certificates, the date of submission, issuer of the permit, approval, or certificate. If more than one submission date is anticipated by the Operator, an Activity for each submission shall be created by the Operator.	Insert date
Activities Project Milestones 1.2	Date
1.2.10 Insert Project Milestone	Insert date
1.2.24 Insert Project Milestone	Insert date
1.2.32 Insert Project Milestone	Insert date
1.2.43 Insert Project Milestone	Insert date

Programme Milestone 1.3: All contracts signed	Date
The Operator shall provide to the DEA documentation of the entry into all sub-contracts required for the performance of the CCS Activities. The documentation should provide an overview of the sub-contracts, stating the name and registration number of the Sub-Supplier, purpose and scope of the contracts, and the duration of the Contracts. Furthermore, the documentation should include the terms and conditions per contracts between the Operator and its Sub-Suppliers signed in a summary term sheet also include a copy of each individual Contract entered between the Operator and the Sub-Suppliers. The documentation shall be delivered to the DEA's Contract Owner's e-mail, cf. Appendix 8, Governance, in a pdf format no later than on the specified date of the Programme Milestone's completion.	Insert date
Activities 1.3 Project Milestones	Date
1.3.10 Insert Project Milestone	Insert date
1.3.24 Insert Project Milestone	Insert date

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1.3.32	Insert Project Milestone	Insert date
1.3.43	Insert Project Milestone	Insert date

Milestone 1.4:		Date
<i>"To be completed by the Operator if deemed relevant"</i>		
Activities 1.4		Date
1.4.0		
1.4.1		
1.4.2		
1.4.3		

Construction Phase		
Programme Milestone 2.1: All applications for permits, approvals, and certificates approved for construction start		Date
<p>The Operator shall provide documentation of all approved applications for permits, approvals, and certificates to start construction to the DEA. The documentation should be delivered in a pdf format including an overview of the permits, approvals, and certificates, listing the names of them, the grant date of approval and the issuers of the permits, approvals, or certificates. Furthermore, a copy of each permission, approval, or certificate granted shall be delivered to the DEA's Contract Owner's e-mail, cf. Appendix 8, Governance, in a pdf format no later than on the specified date of the Programme Milestone's completion. Specifically, the Operator shall obtain and provide documentation to the DEA of validation of the measurement system for CO₂ storage reporting from an Accredited Third Party as part of completing Programme Milestone 2.1 as per R-19, Appendix 3, Requirements specification. Furthermore, the documentation of the CO₂ storage site's compliance should be reflected as a Project Milestone below Programme Milestone 2.1 as per R-7, Appendix 3, Requirements specification.</p>		Insert date
Activities 2.1 Project Milestones		Date
2.1.10	Insert Project Milestone	Insert date
2.1.24	Insert Project Milestone	Insert date
2.1.32	Insert Project Milestone	Insert date
2.1.43	Insert Project Milestone	Insert date

Programme Milestone 2.2: All constructions complete		Date
The Operator shall deliver to the DEA documentation showing that all construction work required in the Value Chain for performance of the CCS		Insert date

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<p>Activities are complete and ready for test and commissioning. The documentation shall be structured in a manner, which enables the DEA to easily separate the documentation for each of the units in the Value Chain. The documentation shall be delivered to the DEA's Contract Owner's e-mail, cf. Appendix 8, Governance, in a pdf format no later than on the specified date of the Programme Milestone's completion.</p>		
Activities 2.2		Date
2.2.10	Insert Project Milestone	Insert date
2.2.21	Insert Project Milestone	Insert date
2.2.32	Insert Project Milestone	Insert date
2.2.43	Insert Project Milestone	Insert date

Programme Milestone 2.3: Carbon capture plant(s)'s' operation date		Date
<p>The Operator's carbon capture plant(s) are fully operational, cf. R-15, Appendix 3, Requirements Specification.</p>		Insert date (DD.MM.YYYY) but no later than 01.12.2025]
Activities 2.3		Date
2.3.10	Insert Project Milestone	Insert date
2.3.21	Insert Project Milestone	Insert date
2.3.32	Insert Project Milestone	Insert date
2.3.43	Insert Project Milestone	Insert date

Programme Milestone 2.4: Documentation of the Carbon capture plant (s)'s' operation date		Date
<p>The Operator shall deliver to the DEA documentation showing that the carbon capture plant(s) are fully operational, cf. Programme Milestone 2.3. The documentation shall be delivered to the DEA's Contract Owner e-mail, cf. Appendix 8, Governance, in a pdf format no later than on the specified date of the Programme Milestone's completion.</p>		Insert date (DD.MM.YYYY) but no later than 31.12.2025]
Activities 2.4		Date
2.4.10	Insert Project Milestone	Insert date
2.4.21	Insert Project Milestone	Insert date
2.4.32	Insert Project Milestone	Insert date
2.4.43	Insert Project Milestone	Insert date

Programme Milestone 2.5: Test and commissioning done		Date
<p>The Operator shall deliver to the DEA documentation showing that all testing and commissioning required for commencement of the operation of the full Value Chain all elements of the CCS Activities has been successfully completed. The documentation shall be delivered to the</p>		Insert date

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DEA's Contract Owner's e-mail, cf. Appendix 8, Governance, in a pdf format no later than on the specified date of the Programme Milestone's completion. Specifically, the Operator shall obtain and provide documentation to the DEA of verification of the measurement system for CO2 storage reporting from an Accredited Third Party as part of completing Programme Milestone 2.1 as per R-19, Appendix 3, Requirements specification.		
Activities 2.5 Project Milestones		Date
2.5.10	[Insert Project Milestone]	[Insert date]
2.5.24	[Insert Project Milestone]	[Insert date]
2.5.32	[Insert Project Milestone]	[Insert date]
2.5.43	[Insert Project Milestone]	[Insert date]

Operation & Maintenance Phase		
Programme Milestone 3.1: Commercial Operation Date		Date
<p>The Operator shall commence operation of the full Value Chain, cf. definition of 'Commercial Operation Date', Appendix 2, Definitions. The Operator shall deliver to the DEA all documentation of all prior Programme- and Project Milestones completed. All other prerequisites for the Value Chain's full operation must also be completed. The documentation should list previous Programme- and Project Milestones completed in a structured manner, making the evidence of the completion of each Programme Milestone and Project Milestone transparent to the DEA. The documentation shall be delivered to the DEA's Contract Owner's e-mail, cf. Appendix 8, Governance, in a pdf format no later than on the specified date of the Programme Milestone's completion.</p>		[Insert date]
Project Milestones Activities 3.1		Date
3.1.10	[Insert Project Milestone]	[Insert date]
3.1.24	[Insert Project Milestone]	[Insert date]
3.1.3.3	[Insert Project Milestone]	[Insert date]
3.1.43	[Insert Project Milestone]	[Insert date]

Table 2: Template for Project Milestone Plan

Project Milestone Plan 1		
Pre-Construction		
Project Milestone 1:		Date
<i>"To be completed by the Operator"</i>		
Activities 1.1		Date
1.1.0		
1.1.1		
1.1.2		
1.1.3		
Project Milestone 2:		Date
<i>"To be completed by the Operator"</i>		
Activities 1.2		Date
1.2.0		
1.2.1		
1.2.2		
1.2.3		
Project Milestone 3:		Date
<i>"To be completed by the Operator"</i>		
Activities 1.3		Date
1.3.0		
1.3.1		
1.3.2		
1.3.3		
Project Milestone 4:		Date
<i>"To be completed by the Operator"</i>		
Activities 1.4		Date
1.4.0		
1.4.1		
1.4.2		
1.4.3		
Project Milestone 5:		Date
<i>"To be completed by the Operator"</i>		
Activities 1.5		Date
1.5.0		
1.5.1		
1.5.2		

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1.5.3		
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Project Milestone 6:		Date
<i>"To be completed by the Operator"</i>		
Activities 1.6		Date
1.6.0		
1.6.1		
1.6.2		
1.6.3		

Project Milestone 7:		Date
<i>"To be completed by the Operator"</i>		
Activities 1.7		Date
1.7.0		
1.7.1		
1.7.2		
1.7.3		

Project Milestone Plan 3		
Construction		
Project Milestone 1:		Date
<i>"To be completed by the Operator"</i>		
Activities 2.1		Date
2.1.0		
2.1.1		
2.1.2		
2.1.3		

Project Milestone 2:		Date
<i>"To be completed by the Operator"</i>		
Activities 2.2		Date
2.2.0		
2.2.1		
2.2.2		
2.2.3		

Project Milestone 3:		Date
<i>"To be completed by the Operator"</i>		
Activities 2.3		Date
2.3.0		
2.3.1		
2.3.2		

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2.3.3		
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Project Milestone 4:		Date
<i>"To be completed by the Operator"</i>		
Activities 2.4		Date
2.4.0		
2.4.1		
2.4.2		
2.4.3		

Project Milestone 5:		Date
<i>"To be completed by the Operator"</i>		
Activities 2.5		Date
2.5.0		
2.5.1		
2.5.2		
2.5.3		

Project Milestone Plan 3		
Operation & Maintenance		
Project Milestone 1:		Date
<i>"To be completed by the Operator"</i>		
Activities 3.1		Date
3.1.0		
3.1.1		
3.2.2		
3.3.3		

Project Milestone 2:		Date
<i>"To be completed by the Operator"</i>		
Activities 3.2		Date
3.2.0		
3.2.1		
3.2.2		
3.2.3		

Project Milestone 3:		Date
<i>"To be completed by the Operator"</i>		
Activities 3.3		Date
3.3.0		
3.3.1		
3.3.2		

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3.3.3		
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Project Milestone 4:		Date
<i>"To be completed by the Operator"</i>		
Activities 3.4		Date
3.4.0		
3.4.1		
3.4.2		
3.4.3		

Project Milestone 5:		Date
<i>"To be completed by the Operator"</i>		
Activities 3.5		Date
3.5.0		
3.5.1		
3.5.2		
3.5.3		

3. Planning Methodology

[\[Insert planning methodology here\]](#)

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