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ADMINISTRATIVE REQUIREMENTS

Design and construct contract

For the execution of OLE 4110 Ålberga, Ostlänken programme within Nyköping municipality

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These Administrative Requirements are related to AMA AF 12.

AF ADMINISTRATIVE PROVISIONS

All personal data processed in the procurement is handled in accordance with the rules of the EU General Data Protection Regulation (EU) 2016/679 (GDPR).

For information on how the Swedish Transport Administration handles the GDPR, see the Swedish Transport Administration's website, search word "GDPR".

AFA GENERAL INFORMATION

AFA.1 Contact details

AFA.12 Contracting authority

Swedish Transport Administration

Postal address: 781 89 Borlänge

Visiting address: Röda vägen 1

Telephone number: 0771-921 921

The employer's contact person during the tender period is specified in the procurement system..

AFA.122 Contracting authority's contact person for visiting the construction area

Visits to the area shall take place by agreement with the employer.

AFA.15 Network owner

The information below regarding network owners is provided for information purposes. The employer will provide the contact details of each network owner's contact person at a later stage.

Älberga

Typ	Nätägare	Kontakt	Telefon	E-mail
Tele	Skanova	Skanova nätcenter	020-5050 00	
VA	Nyköping vatten			
EL	Vattenfall Eldistribution Regionnät			
EL	Vattenfall Eldistribution Lokalnät			
Opto	Gästabuds-staden AB		0155-45 40 00	
Opto	IP-Only AB			
Opto	Telenor			
Optp	Huawei			

AFA.2 Orientation of the object

AFA.21 General information about the object

The procurement concerns the execution of Design and Build Contract OL41 Ålberga using an Early Contractor Involvement (ECI) delivery model, based on an alliance-style contract founded on the principles of ABT 06. The contract forms part of the implementation of the Eastlink Programme.

The contract shall be executed in a spirit of collaboration and mutual dialogue, as reflected in the contractual framework. The works shall be carried out through close cooperation between the Employer and the Contractor with the objective of creating a positive collaborative environment, delivering sound technical solutions, and ensuring cost-efficient project delivery. The parties shall collaborate, among other things, with respect to design development, procurement activities, and cost management. To ensure achievement of the project objectives, the collaboration model shall be jointly established during Phase 0 and subsequently developed and implemented throughout both Phase 1 and Phase 2. Mutual trust between the parties is essential. Accordingly, honesty, openness, transparency, and professionalism shall be demonstrated throughout all stages of the project.

The integrated and cost-efficient project organization shall be characterized by clear processes and structured ways of working that minimize waste and maximize value creation. Resource planning and performance monitoring shall be applied to ensure that the appropriate competencies and equipment are deployed at the right time. Through continuous project governance and lessons learned from previous projects, the parties shall achieve effective cost control and a high level of delivery reliability.

The Target Cost stated in the procurement documents represents the Employer's assessment of the cost within which the contract can be successfully completed. The reference design underlying the Railway Plan includes certain infrastructure elements that, in the Employer's opinion, will need to be executed differently from the currently described solutions in order for the Target Cost to be achieved or exceeded on the downside. Such modifications are considered feasible without adversely affecting the functionality of the completed facility. This assessment shall be jointly reviewed by the parties during Phase 1. The Contractor shall prepare a Work Breakdown Structure (WBS) demonstrating the operational breakdown of the contract, with the Target Cost allocated to the respective WBS elements. Following this review, and taking into account the outcomes of supplementary investigations and other activities carried out during Phase 1, the Target Cost shall be jointly agreed between the parties at the end of Phase 1. Upon agreement of the Target Cost, the parties shall proceed to Phase 2.

Key facts – Ålberga Section

- 28.5 km double-track railway designed for speeds of up to 250 km/h
- Fully fenced railway corridor
- 15 technical service compounds
- Several environmentally sensitive watercourses, including the Natura 2000 area of Killaån/Vretaån
- Four ponds

Bridges

- Bridge over Road 52 (1,150 m)
- Landscape bridge at Hälladal (330 m)
- Bridge over the Ålbergaån River (110 m)

- 9 reinforced concrete frame bridges
- 5 railway box girder bridges
- 4 road bridges

Vretaån Area

- Natura 2000 protected area
- Significant cultural heritage values
- Bridge foundations located in close proximity to the Natura 2000 area
- Requires careful management of construction dewatering and discharge water during execution

Key challenges

- Construction activities within and adjacent to Natura 2000 protected areas, including numerous tributaries connected to Vretaån and Kilaån
- Protection and management of cultural heritage assets associated with the Vretaån area

Cultural Heritage

[OL41-Ålberga och bruksmiljöer väster om Nyköping-kanoner och Stormaktstid](#)

Approximate Quantities

Earthworks excavation	720,000 m ³
Rock excavation	1,150,000 m ³
Railway bridges	16
Road bridges	4
Piling	Approx. 18,000 m
Pile-supported bridge decks	3,800 m ²
Lime-cement columns (KC columns)	260,000 m

The contract includes civil engineering works such as excavations, ground improvement measures, retaining structures, concrete structures and associated infrastructure works. The scope of the project comprises both detailed design and construction of a fully operational railway facility.

With amendment to Chapter 1, Section 6, Paragraph 1 of ABT 06, the following shall apply:

For additional information regarding the project, the following documents are provided:

- Administrative Requirements (English version)
- Contract (English version)
- Functional Requirements (English version)

These documents have been prepared for purposes other than serving as procurement documents. To the extent that a Tenderer chooses to consider such documents, they shall not constitute grounds for contractual adjustment, interpretation, or compensation of any kind.

The Employer accepts no responsibility for the accuracy, completeness, or correctness of the information contained in these documents.

AFA.22 Location of the object

The object is located in Södermanland County and Nyköping Municipality.



AFA.3 Abbreviations

TDOK	Swedish Transport Administration's governing and guiding documents
TRVK Apv	TDOK 2012:86, version 4.0 (<i>TRVK Apv, Trafikverkets tekniska krav för Arbete på väg</i>).
BEAst	The construction industry's electronic business standard (www.beast.se).
EK	Construction contract
TRVK VGU	The Swedish Transport Administration's technical requirements for the Design of Roads and Streets 2022

The abbreviations given also apply to other documents listed under AFB.22.

AFA.4 Explanation of terms

Subcontractor

Subcontractor also refers to what is referred to in the contract documents as a subcontractor.

Procurement system

The Swedish Transport Administration has an electronic procurement system where all procurement documents are made available. All communication, including the submission of tenders, takes place in the procurement system.

Procurement documents

Procurement documents refer to all documents used by the customer to describe or determine the content of the procurement, such as the tender documents, the contract notice and information in the procurement system.

Swedish Transport Agency websiteRefers and refers to <https://www.trafikverket.se>

Keywords are indicated within "".

AFB PROCUREMENT REGULATIONS

The procurement is subject to the Act (2016:1146) on Procurement in the Utilities Sectors (Sw. lag (2016:1146 om upphandling inom försörjningssektorerna).

AFB.1 Forms etc. for procurement

The procurement is carried out in accordance with the provisions of the Act that apply above the threshold value.

AFB.11 Form of procurement

General contract

AFB.12 Procurement procedure for public contracts

The procurement procedure is a negotiated procedure with prior publication, which means that the employer has the possibility to negotiate with the tenderers on improvements in their tenders. The procedure involves inviting the candidates invited by the contracting authority to submit tenders. These tenders will form the basis for the subsequent negotiation. The starting point for the employer is that negotiation will take place. However, tenderers cannot expect negotiations to a certain extent, or that the employer will want to negotiate all elements of the submitted tenders. Therefore, tenderers are encouraged to submit their best offer already when the initial tender is submitted.

The participation of tenderers in any negotiations is conditional on the compliance of the submitted tender with all mandatory requirements set out in the procurement documents.

Tenderers will be invited to a tender presentation/negotiation where the tenderers will present their tenders based on the submitted implementation descriptions.

AFB.13 Form of contract

The form of contract is a design-build contract (ABT06).

AFB.14 Form of remuneration

Remuneration according to cost plus overheads and profit.

AFB.15 Compensation for tendering

Tenderers who are not awarded contract and who have submitted a final, evaluable and serious tender, will receive compensation of SEK 3 000 000. In order to receive the compensation, the tenderer must participate in the meetings called by the employer and have submitted all requested documents according to the instructions provided by the employer in this stage 2, the tender phase. The payment of the compensation is made upon completion of the procurement against invoice.

AFB.17 Conditions for the execution of the procurement

The procurement will be finalised provided that the necessary financing is secured.

AFB.2 Tender documents

AFB.21 Provision of tender documents

Procurement documents including the tender documents in digital form are provided to qualified and invited suppliers via the procuring entity's procurement system.

AFB.22 List of tender documents

The tender documents include these administrative regulations AF, requirements and questions in the procurement system, the Construction Contracts (contractual terms and conditions) EK, together with any documents annexed thereto or referred to therein as applicable to the contract works.

The employer's governing and guiding documents are available on the Swedish Transport Administration's website, search term "Trafikverket styrande dokument".

The tender shall be based on the governing and guidance documents in force at the date of publication of the call for tenders, unless the Functional Requirements Annex refers to something else under List of referenced requirements documents.

AFB.23 Supplementary tender documents

In the procurement, additional tender documents may be required in the following cases:

- The contracting authority's response to any questions received from the tenderers during the tendering period in accordance with AFB.25
- Additional documents and information from the employer during the tender period
- Changes to the tender documents due to negotiations or possible project review

With the exception of the changes referred to in the last paragraph above, additional tender documents will be made available to tenderers in the procurement system no later than 6 days before the specified closing date for tenders.

Supplementary tender documents will be notified to the e-mail address registered by the tenderer in the procurement system. It is the tenderer's responsibility to ensure that the registered e-mail address is up-to-date.

Supplementary tender documents become valid in the procurement and it is the responsibility of each tenderer, regardless of how the tender documents were obtained, to ensure that any new information is obtained during the tender period.

AFB.24 Project briefing during the tender period

Briefing on the project will take place in the form of an individual briefing with tenderers convened by the employer.

Project briefing is tentatively scheduled for week 5 2027.

Answers to relevant questions arising during the project briefing will be provided to all tenderers in the form of supplementary tender documents as specified in AFB.23.

AFB.25 Questions during the tender period

Questions related to the procurement documents are sent through the procurement system to the buyer by the time specified in the procurement system. The question should refer to the title of the requirement, for example "AFB.52".

If a question leads to a clarification or modification of the procurement document, this will be published through the procurement system.

Questions will only be answered in the Swedish and English language.

AFB.3 Submission of tenders

The qualification phase is closed. Only those suppliers who have been selected in the qualification phase of this procurement and have been invited by the Swedish Transport Administration via the procurement system will be able to submit a tender.

The tenderer must ensure that the tender is complete and contains all the information requested in the prescribed form.

The tenderer is obliged to notify the contracting authority of any changes to the information provided in the tender application.

The contracting authority is not obliged to request clarification or completion of an incomplete tender.

Reservations or similar that deviate from the mandatory requirements of the tender will not be accepted and will result in the rejection of the tender.

AFB.31 Form and content of the tender

The tender must be complete and thus contain all the information and documents required by the procurement documents to be submitted with the tender.

All requirement questions must be answered in the procurement system.

Tender documents must be readable in programmes from the Microsoft Office package or be in PDF format and only submitted in digital form through the procurement system.

Notification or declaration under the FSR Regulation

Regulation (EU) 2022/2560 of the European Parliament and of the Council of 14 December 2022 on foreign subsidies distorting the internal market (hereinafter the FSR Regulation) and Commission Implementing Regulation (EU) 2023/1441 of 10 July 2023 laying down detailed rules for the conduct of proceedings by the Commission pursuant to Regulation (EU) 2022/2560 of the European Parliament and of the Council on foreign subsidies distorting the internal market (hereinafter Regulation 2023/1441) apply to this procurement.

According to the FSR Regulation, tender applicants/tenderers are obliged to declare any foreign financial contributions received from a third country (i.e. a country that is not an EU Member State), or provide a declaration stating that no such contributions have been received. This notification or declaration must be submitted to the Swedish Transport Administration when the tender application is submitted. The Swedish Transport Administration will then forward the notification or declaration to the Commission.

This must be completed using the FS-PP form produced by the Commission (see Annex II to Regulation 2023/1441, available on EUR-Lex).

Annex II to Regulation 2023/1441 must be completed and submitted with the tender application. The declaration or statement must be signed by a person authorised by law to represent the tenderer. Written evidence of authorisation must be attached to the declaration or statement.

The declaration or statement must be signed in person or, alternatively, provided with an electronic signature in accordance with the instructions below.

The FSR Regulation and Regulation 2023/1441 contain detailed conditions, and it is the responsibility of the tender applicant to ensure that the notification or declaration is complete and made in the manner prescribed by the Regulations.

Section 6, Pre-notification contacts and request for exemption, of Annex II to Regulation 2023/141 states that the Commission invites notifying parties to initiate pre-notification contacts with the Commission to help ensure the accuracy of the notification or declaration.

The Commission has gathered information on the regulations and frequently asked questions on its DG GROW website: https://single-market-economy.ec.europa.eu/single-market/public-procurement/foreign-subsidies-regulation_en.

The notification or declaration must be sent to the contracting authority according to the instructions in the procurement system. While the contracting authority is not obliged to ask candidates to supplement the notification or declaration in accordance with the FSR Regulation, it may request such supplementation.

Failure to submit a notification or declaration in accordance with the FSR Regulation will result in the tender application being rejected. The tender application/tender will also be rejected if the Commission adopts a decision prohibiting the award of a contract to the tenderer. This means that a tenderer may be rejected even if they pass the qualification process and are invited to submit a tender.

Electronic signatures

If the tenderer submits a document that has been signed electronically, the signature must show who signed the document and when. The signature must also allow verification of changes made to the document after it has been signed. Names written in word processors with alternative fonts/italics and similar do not constitute a signature with the implication that there is no signature at all.

If the Swedish Transport Administration is unable to verify who signed the document, when it was signed and that the document remains unchanged after it was signed, the Swedish Transport Administration may request the tenderer to supplement the tender with the document in question signed with an authorised electronic signature or with the document signed in person.

Language of the tender

Tenders and all documents submitted with the tender may be in Swedish or English. If a document is submitted in English, a Swedish translation must also be submitted.

If the tenderer submits a certificate of authorisation in a language other than Swedish, a Swedish translation must be attached to the document. The translation must be of good quality, made by an authorised translator or equivalent, or be certified, i.e. the translator must certify with name and contact details that the translation corresponds to the original. The Swedish Transport Administration will not consider documents that do not fulfil these requirements.

In the event of any conflict, the Swedish translation will take precedence over the original document.

Tender sum/price

The tender sum is fixed and will be SEK 6,000,000,000 for all tenders. The evaluation will thus be based solely on the qualitative characteristics of the tenders, see AFB 53 below.

Control according to §§ 38-40 MBL

The Swedish Transport Administration monitors the application of Sections 38-40 of the Co-determination at Work Act (1976:580) (Sw. *lag (1976:580) om medbestämmande i arbetslivet*) within the area of the Swedish Transport Administration with regard to the use of contractors, staffing and consultancy companies in accordance with the Business Agreement between the Swedish Transport Administration and the employee organisations.

Tenderers may be inspected using the form "Basis for inspection of companies under an agreement on the application of §§ 38-40 MBL within the Swedish Transport Administration". Tenderers who have not signed an agreement with the Swedish Transport Administration in the last three years must submit the form at the employer's request. The employer may request the form again for tenderers who have signed contracts in the last three years.

Descriptions to be Submitted with the Tender

The descriptions specified below (four in total) shall be submitted together with the tender. The descriptions will be reviewed and evaluated (see AFB.53) and, if the tender is accepted, will be converted into contractual requirements.

The descriptions shall be based on the assignment as described in the procurement documents, including appendices and the Swedish Transport Administration's governing documents. The descriptions should clearly outline the commitments and undertakings offered by the Tenderer, demonstrating the added value provided by the tender. They should be concise, focused and well-structured without compromising content. The following formatting requirements apply: Calibri font, size 11, single line spacing, justified text, and standard header and footer dimensions.

Irrelevant discussions, as well as extensive descriptions of established methods that do not address the requested topics or do not provide added value, should be avoided. The descriptions should be supported by well-considered, thoroughly developed and innovative solutions, measures, working methods, processes or routines that are documented. Where appropriate, references may be made to other documents to substantiate submitted information, provided such documents contain relevant information that clarifies the content of the descriptions. Please note that all proposed commitments must comply with the requirements of the procurement. Submitted descriptions may, but are not necessarily expected to, form part of subsequent negotiations.

1. Delivery Approach Description – Phase 0 (Maximum 3 Pages)

For the Employer, it is of critical importance that a strong project culture is established during Phase 0 and further developed during Phase 1 (see the Contract for the objectives of Phases 0 and 1). The project culture shall ensure that the Contractor and the Employer operate as a fully integrated team, sharing a common understanding of the overall project objectives: delivering a time- and cost-efficient project with the required quality and reduced climate impact. The project culture shall also be characterized by complete openness and transparency.

The Tenderer shall describe how the work during Phase 0 will be conducted within a maximum period of three months, including, but not limited to, the following:

- Which Contractor representatives will participate in Phase 0, including a description of their roles, level of involvement and authority.
- Project Manager / Section Manager – Earthworks / Foundations / Mass Handling / Bridges / Cost Estimator / Planner.

- Which Employer representatives are proposed to participate, including descriptions of their roles and level of involvement.
- Working methodologies for achieving an organization with the desired project culture.
- A preliminary schedule for Phase 0, including activities to be performed. The schedule shall also identify activities that will continue into Phase 1.
- Whether the above approaches have previously been applied by the proposed Contractor personnel and, if so, whether they have proven successful for previous employers.

In addition to the description, an organizational chart shall be included (not included in the page limit).

2. Delivery Approach Description – Phase 1 (Maximum 7 Pages)

The Tenderer shall describe how the work during Phase 1 will be conducted within a maximum period of 15 months, including, but not limited to, the following:

- Any further development of the project culture planned during Phase 1.
- Onboarding of additional Contractor and Employer personnel into the project culture.
- Contractor personnel who will participate in the project, including positions to be recruited, with descriptions of roles, authority, level of involvement and experience from similar projects.
- Project Manager / Section Manager – Earthworks / Foundations / Mass Handling / Bridges / Cost Estimator / Planner.
- Proposed Employer representatives, including descriptions of their roles and authority.
- Design development and planning to ensure cost-effective delivery of the programme objectives, including Value Engineering.
- Proposed activity-based schedule (to be submitted as a separate appendix and not included in the page limit).
- Methods for verifying the Target Cost and a plan for achieving costs below the Target Cost, including concrete improvement measures.
- Systems and collaboration methods to achieve efficiency and a high degree of transparency.
- Systems and collaboration methods to ensure effective control of progress and project finances, including Earned Value Management.
- Significant climate impact reduction measures that do not increase project costs.
- Ambitious social objectives, including zero fatalities and zero serious injuries.
- Whether the above approaches have previously been applied by the proposed Contractor personnel and, if so, whether they have proven successful for previous employers.
- Proportion of consultant resources within the professional/management organization.

In addition to the description, an organizational chart shall be included (not included in the page limit).

3. Delivery Approach Description – Phase 2 (Maximum 7 A4 Pages)

The Tenderer shall prepare a delivery approach description outlining how the construction works will be executed in accordance with the overall project objectives of achieving time- and cost-efficient delivery, the required quality, and reduced climate impact.

The description shall be supplemented by:

- A one-page resource schedule showing resource requirements over time.
- A high-level A3 project schedule identifying proposed interim milestones, completion milestones and critical paths.
- The description should also include:
- Onboarding of additional Contractor and Employer personnel into the project culture.

- Preliminary staffing plan, including competencies, machinery and other equipment, together with a preliminary summary of the anticipated resource utilization (hours per month) for relevant personnel and equipment categories.
- Identification of project elements intended to be completed through detailed design.
- Methods for continued achievement of costs below the Target Cost.
- Proposed activity-based schedule structured according to the planned production sequence (to be submitted as a separate appendix and not included in the page limit).
- Systems and collaboration methods to achieve efficiency and a high degree of transparency.
- Systems and collaboration methods to ensure effective control of progress and project finances, including Earned Value Management.
- Significant climate impact reduction measures that do not increase project costs.
- Ambitious social objectives, including zero fatalities and zero serious injuries.
- Whether the above approaches have previously been applied by the proposed Contractor personnel and, if so, whether they have proven successful for previous employers.

4. Procurement and Contract Management (Maximum 7 A4 Pages)

The Tenderer shall describe the working methods, processes and supporting systems used by the procurement function to achieve:

- Cost efficiency while maintaining the appropriate level of quality.
- Effective collaboration and a high degree of transparency.
- Strong control of project progress and financial performance.
- Efficient resource allocation and organizational effectiveness.
- Significant climate impact reduction measures that do not increase project costs.
- Ambitious social requirements, including zero fatalities and zero serious injuries.

5. Case Scenario

Under this criterion, the evaluation team will assess how the Tenderer presents, verbally (in either English or Swedish), its proposed solution to a case scenario.

Case scenario

The case scenario will be presented in a group setting. The key personnel proposed to lead the project on behalf of the Tenderer shall explain how their organization would manage and resolve a specific situation and/or respond to the presented case scenario. The case scenario will be provided to the key personnel on-site immediately prior to the presentation. It will be based on the scope of the contract and the intended collaborative delivery model. It is essential that each key individual addresses and responds to the relevant aspects of the case scenario from the perspective of their respective role.

The presentation may last for a maximum of 30 minutes. Prior to the presentation, the Tenderer will be given 20 minutes, without the Employer's presence, to review the case scenario and prepare the presentation.

AFB.313 Alternative designs

Tenders with alternative designs will not be considered.

AFB.314 Addenda to the tender

Tenderers must submit all requested information with the tender.

In addition to the above, the tenderer must, at the request of the employer, submit the following information in the procurement system within a time limit specified by the employer:

1. Information on control according to §§ 38-40 MBL
2. Documented working methods (procedures, flowchart or similar) to ensure an active and systematic risk management process (risk identification, risk analysis, risk evaluation and risk treatment), see requirements specified in requirements documents TDOK 2018:0015 (*Generella trafik- och elsäkerhetskrav för järnväg*) and TDOK 2016:0032 (*Kvalitetsstyrning I upphandlad verksamhet – Entreprenad och Projekteringstjänster*).
3. Safety plan that fulfils the requirements of TDOK 2018:0015.

The above assumes that the tenderer has not already submitted the relevant information to the employer.

AFB.32 Deadline for submission of tenders

Tenders must be received by the employer by the date specified in the procurement system.

AFB.33 Period of validity of tenders

Tenderers are bound by their tender until the date specified in the procurement system.

AFB.34 Addressing

Tenders must be submitted in the Swedish Transport Administration's procurement system.

AFB.4 Opening of tenders

Closed tender opening is applied.

Tenders are opened in the procurement system at a meeting attended by at least two persons appointed by the customer.

AFB.5 Examination of the compliance of tenders

In the award phase, an assessment is made of whether the tender fulfils the requirements concerning the documents to be submitted with the tender, the requirements concerning the subject matter of the procurement, and that the tender does not contain any reservations (accepted tender).

Successful tenders are evaluated against the stated award criteria in accordance with AFB.53.

Presentation of the tender

The tender presentation/negotiation is scheduled to be held within 1 month after the deadline for submission of tenders. This meeting will take place physically on site. During the meeting, the tenderer will present its tender in accordance with an agenda that will be sent out approximately 1-2 weeks before the meeting. During the meeting, the Swedish Transport Administration will ask questions about how the requirements are met, how the project's challenges are handled, added value offered, etc.

AFB.51 Exclusion of tenderers

AFB.511 Information from tax and enforcement authorities

AFB.53 Evaluation of tenders

The employer will award the tender that is the most economically advantageous tender. This will be determined based on the evaluation model and award criteria set out below.

Basis of evaluation

For the employer, the most economically advantageous tender is the tender with the best price/quality ratio, i.e. the tender with the lowest evaluated tender value according to the evaluation model below.

In the event of identical evaluated tender values, the tender with the highest value of awarded added values under the **Phase 2** criterion will be ranked first and awarded the contract. If the ranking still cannot be determined, the successful tenderer will be selected by drawing lots.

Evaluation model

The Swedish Transport Administration applies an absolute evaluation model. This means that the evaluation of a tender is made according to established criteria regardless of the content of other tenders.

The evaluation model means that the employer sets a price for the qualitative characteristics (added value) that are valued in the procurement in order to achieve the project's goal of time- and cost-effective construction with the right quality and low climate impact. In the evaluation, the fixed notional tender sum according to AFB 31 (see also below) is adjusted with a notional price deduction depending on the extent to which the tenderer in its tender offers the added values requested by the employer.

To summarise, the evaluation model can be described as follows.

Lowest comparative sum wins: Comparative sum = tender sum - added value (SEK)

Award criteria

The evaluation will be carried out according to the criteria set out below:

Price

The tender price, which is the same for all tenderers, is a fictitious amount of SEK 6 000 000 000.

Quality

Quality will be evaluated on the basis of the descriptions provided by the tenderer with the tender, see AFB 31, according to the award criteria below.

- Phase 0/1
- Phase 2
- Procurement and contract management
- Case scenario

Evaluation Process

The tenders will be evaluated by an evaluation panel consisting of at least five representatives from the Swedish Transport Administration. The panel members will be professionals with relevant expertise in the subject matter covered by the procurement and the respective evaluation criterion.

Panel members will initially assess the implementation descriptions individually and subsequently perform a joint evaluation as a group. The evaluation will be supplemented by clarifications obtained during tender presentations and negotiations.

In assigning scores, the Swedish Transport Administration will assess both the value and credibility of the commitments and proposals described by the tenderer, in combination with responses provided during tender presentations and negotiation meetings.

The Case Scenario will likewise be assessed individually during the presentation and thereafter jointly by the evaluation panel.

A six-step rating scale (1-6) is applied, where one (1) is the lowest rating and six (6) the highest rating as the definitions below. In addition, the contracting authority wishes to make the following clarifications to the text of the rating justifications.

By the term "credible" below, the employer means that the tenderer's descriptions/reports are transparent and consistent with the tender as a whole, without contradictions and other inaccuracies, and that the descriptions/reports have a clear and coherent logical sequence showing the extent to which the tenderer's capabilities correspond to the task to be performed by the selected contractor.

By the tenderer (to the extent stated in the respective score justification) "having insight into what is required for the assignment to be carried out in a way that is beneficial to the employer and adds value", the employer means that the tenderer's descriptions/reports show that it has an understanding of what is important to the employer and what constitutes added value based on what is stated under each award criterion, as well as that the tenderer has insight into the employer's needs and the conditions and circumstances that apply to the employer's operations and according to which the assignment is to be carried out.

Note that an unacceptable tender is not the same as an unsuccessful tender: a tender that receives a score of 1 unacceptable will not be rejected after the first tender submitted, but if the tender receives a score of 1 unacceptable in the evaluation after the tender presentation, it will be rejected.

1 = Not acceptable

The tenderer does not demonstrate to the employer in a credible manner that it has insight into what is required for the assignment to be carried out in a way that is beneficial to the employer and adds value. The tenderer has not made it likely for the customer that the assignment will be carried out in an acceptable manner.

2 = Acceptable

The tenderer demonstrates in a way that is credible to the customer that it has acceptable insight into what is required for the assignment to be carried out in a way that is of limited benefit to the customer and adds limited added value. The tenderer has made it likely for the customer that the assignment will be carried out in an acceptable manner.

3 = Good

The tenderer demonstrates in a way that is credible to the customer that it has a good understanding of what is required for the assignment to be carried out in a way that is beneficial to the customer and adds value. The tenderer has made it likely for the customer that the assignment will be carried out in a good way.

4 = Very good

The tenderer demonstrates in a way that is credible to the customer that it has very good insight into what is required for the assignment to be carried out in a way that is of great benefit to the customer and adds great added value that can be used in practice. The tenderer has made it likely for the employer that the assignment will be carried out in a very good way.

5 = Excellent

The tenderer demonstrates, in a way that is credible to the customer, that it has excellent insight into what is required for the assignment to be carried out in a way that is of very great benefit to the customer and provides very high added value that can be used in practice. The tenderer has made it likely for the employer that the assignment will be carried out in an excellent manner.

6 = Exceptional

The tenderer demonstrates, in a manner that is credible to the customer, that it has full insight into what is required for the assignment to be carried out in a manner that is of particularly great benefit to the customer and that adds particularly great added value that can be used in practice. The tenderer has made it likely for the employer that the assignment will be carried out in an exceptional manner.

Evaluation Deduction Values

Criterion	Added Value (SEK million)
Phase 0/1	100
Phase 2	200
Procurement and Contract Management	100
Case Scenario	50

AFB.54 Notification of decision after evaluation of tenderers and tenders

Once the contract award decision has been taken, all tenderers are notified electronically to the e-mail addresses registered by the tenderers when downloading the tender documents.

The award decision is not to be considered as an acceptance under the Contract Act (*Sw. lag (1915:218) om avtal och andra rättshandlingar på förmögenhetsrättens område*). Contracts can be signed, or enter into force, at the earliest after the contractual standstill period has ended. The length of the contractual standstill period is stated in the award decision notice.

In the event of a request for review, the tenderer must apply to the Administrative Court in Falun.

AFB.55 Confidentiality of tender documents

According to the Public Access to Information and Secrecy Act (2009:400) (*Sw. Offentlighets- och sekretesslag (2009:400)*), absolute tender secrecy applies until the award decision has been made or the procurement has been finalised.

However, information in tenders may be covered by secrecy after the absolute tender secrecy has expired.

For each request for access to documents, the Swedish Transport Administration makes an individual assessment of whether there are grounds for confidentiality. Even if a tenderer has requested confidentiality, there is no guarantee that the information in question will be covered by confidentiality. Confidentiality in the interest of the tenderer requires that the information relates to the business or operating conditions of the tenderer and that it can be assumed for special reasons that the tenderer will suffer damage if the information is disclosed.

If the tenderer considers that information in the tender is subject to confidentiality, the tenderer should make a written request for confidentiality, specifying the information concerned and the prejudice that the tenderer would suffer if the information were disclosed.

AFB.56 Conclusion of the contract

The employer will sign a contract with one contractor.

Before signing the contract, the contracting authority may call a contract review.

AFD.1 Scope of application

AFD.11 Contract documents

See construction contract § 1.2.

AFD.111 Summary of changes in ABT 06 or ABT-U 07

The following codes contain amendments to fixed provisions of ABT 06:

- EK § 1.2 Contract documents
- EK § 1.3 Tasks and technical solutions
- EK § 1.4.1 Phase 1
- EK § 5.1.2-5.1.7 Penalties
- EK § 5.2 Measures during the guarantee period
- EK § 6.2 Cost-plus
- EK § 6.3 Contractor's fee
- EK § 6.4.2 Adjustment of the Normal Cost
- EK § 6.4.3 Circumstances that do not give rise to an adjustment to the Normal Cost
- EK § 6.4.6 Cost of rectifying faults
- EK § 6.5.1 Open books
- EK § 6.5.4 Liability for fraudulent conduct
- EK § 6.6.5 Invoicing
- EK § 6.6.6 Final settlement
- EK § 6.6.7 Security to the Employer
- EK § 8.1 The Employer's right to terminate
- EK § 8.2 Damages
- EK § 8.3 Handover
- EK § 8.4.1 Right of terminate during Phase 1
- EK § 8.4.2 Right of termination during Phase 2
- EK § 8.4.5 The Employer's rights
- EK § 9.1 Dispute resolution and applicable law
- EK § 9.2 Simplified dispute resolution
- AFD.136 Conditions with regard to rail traffic
- AFD.2492 Right of use of documents etc.

AFD.115 Follow-up of the contract

The contracting authority will follow up the contractor's commitments in the tender that have added value in the tender evaluation. See e.g. EK § 5.1.5.

AFD.12 Scope of work

AFD.121 Boundaries of the work area

OLP3-01-111-32-0_0, blad 1800-2300 och OLP3-01-111-33-0_, blad 0100-2300.

The temporary access area shall be restored and adapted to the surrounding land after the completion of the installation. Remaining structures must not be present in such an area.

In addition to the work area described, an extra area may be required for temporary traffic and safety devices and for connection of objects to the subcontractor according to the functional description. The work shall be coordinated with the Employer.

AFD.122 Inspection before commencement of works

Before commencing work, the parties shall carry out a joint inspection of the work area. The Employer calls the inspection and keeps a record.

AFD.13 Prerequisites

The contractor is responsible for ensuring that the stability of adjacent busy railway facilities is not impaired during the execution of the works.

Regarding work equipment and storage, from an electrical safety point of view at tracks, TDOK 2015:0223 "Elsäkerhetsföreskrifter för arbete på eller nära järnvägsanknutna högspännings- och tågvär-meanläggningar " applies.

Track-bound work equipment must fulfil requirements according to TDOK 2022:0001 " Tunga spårgående arbetsredskap – operativa och tekniska förutsättningar ". A copy of the approved inspection documentation shall be submitted to the Employer on request.

Track vehicles in working position shall fulfil requirements according to TDOK 2017:0349 "Spårfordon i arbetsläge". Heavy work equipment shall fulfil requirements according to TDOK 2018:0455 "Tunga arbetsredskap".

When work is of such a nature that a permit under the Railway Safety Act (2022:367) is required (for example when track vehicles are used), the contractor or subcontractor engaged by him must present to the Employer a safety certificate or special permit issued by the licensing authority. This also applies to safety-affecting modifications.

Outside of the contract, the Employer is responsible for additional work relating to connections and electrical safety measures in non-linear power supply installations.

During the construction of the electrical installation, the contractor is the owner of the installation until it is handed over or commissioned.

The contractor shall ensure that the Employer has control over land claims as shown on the planning maps before work commences.

The contractor must ensure that the required environmental licences and exemptions are in place before work begins.

The contractor must ensure that all ancient remains within the land claim have been handled within the framework of Chapter 2. Cultural Environment Act before work begins. The contractor must ensure that buildings with cultural values have been classified and, if necessary, documented before demolition begins.

The contractor must be responsible for the operation and maintenance of its own, temporary and provisional facilities.

Felling of forest or excavation/groundwork within open natural environments containing ground-nesting bird fauna must not begin during the birds' breeding season, from 1 April to 31 July. However, the removal of individual trees may be carried out if it can be confirmed that no birds are nesting in the specific trees. Likewise, certain excavation work may begin during this period if it can be confirmed that no bird nesting occurs in the area that could be affected by the works. The time restriction regarding forest felling and excavation work applies throughout the entire contract area. Map material indicating areas where a higher density of ground-nesting birds can be expected has been prepared and will be provided later.

In Ålbergaån (approx. km 81+550) and in the outlet of Sågkärret (approx. km 88+300), work that causes turbidity must not be carried out between 1 October and 15 June. During the remaining period, turbidity protection must be installed for any work that may cause turbidity in the watercourses.

The work shall be carried out in such a way that no more land is used than is necessary for the work in question.

AFD.131 Information on subcontracting and other works

Subcontractors shall be given the necessary access to their own work area.

Subcontracting during the contract period:

Arbete/omfattning	Tid/tidsperiod	Sidoentreprenör
Projekt Skavsta	Entreprenadtiden	Kompletteras efter upphandling
Projekt Kolmården	Entreprenadtiden	Kompletteras efter upphandling
Arkeologi	Entreprenadtiden	Kompletteras efter upphandling
Drift och Underhåll	Entreprenadtiden	Trafikverket, kommunerna
Ledningsägare enligt AFA.15	Entreprenadtiden	Kompletteras efter upphandling
Projektör BEST-K.	Entreprenadtiden	Kompletteras efter upphandling
Ramavtalsleverantör av radiotorn.	Entreprenadtiden	Kompletteras efter upphandling
Byte av kontaktledning och spår på TGOJ-bana	2027-2029	Kompletteras efter upphandling
Diverse investeringsprojekt	Entreprenadtiden	Kompletteras efter upphandling

Subcontracts may be added during the construction period.

AFD.132 Working hours

Works that risk causing airborne noise and structure-borne noise exceeding limit values may only be carried out according to the times specified in AFG.34.

On roads with a time restriction, work that can be planned and that affects traffic flow **shall not be** carried out during the times specified.

The time restrictions apply to work in lanes, additional lanes, hard shoulders and slip roads for the respective road and also to work affecting public transport stops.

Stop for blasting operations

Traffic **may be** stopped for blasting operations at the following times:

- Monday - Thursday 10:00 - 10:10 and 14:00 - 14:10
- Friday 10:00 - 10:10.
- May to September inclusive, also Monday - Thursday 19:30 - 19:40.
- However, not public holidays or the day before public holidays falling on Monday - Friday.

AFD.133 Ongoing operations or activities in and around the work area

In addition to rail and road traffic, ongoing operations include commercial and industrial activities.

and industrial activities. All activities in and around the work area must be able to continue throughout the contract period.

Final archaeological investigations will begin after the railway plan has gained legal force.

AFD.134 Conditions with regard to existing buildings

Consideration must be given to existing buildings. Vibrations during the construction period may not exceed the guideline values specified in SS 02 52 11 "*Vibration and Shock – Guideline Values for Vibrations in Buildings Caused by Piling, Sheet Piling, Excavation and Compaction.*"

All existing lines and installations to and from the property, building, premises or installation shall be in operation during the execution of the works.

Access to buildings and existing functions shall be ensured throughout the duration of the works. Where necessary, temporary solutions may be organised after consultation and agreement with the Employer and property owner.

AFD.135 Conditions with regard to road traffic

Existing road and property connections shall be in operation during the construction period, with the exception of conditions arising in connection with winter road maintenance. Conditions for pedestrians, cyclists and drivers of mopeds class II are stated in TRVK Apv section 4.2 with the exceptions listed below:

If the space is less than 1.5 m, other measures according to 4.2 mean that staff must help road users past the work.

For other roads, the following applies:

If there is a need for temporary closure of a road or access, consultation with the Employer **and** authorisation from the road maintenance authority is required. The application must be made in writing and the investigation of the diversion route is the contractor's responsibility and must be carried out in accordance with AFD.242. The application must also include any municipal or private landowner's authorisation.

Prior to road closure/traffic diversion, the contractor is responsible for informing and consultation with those affected such as the police, other emergency services, public transport manager, school, school transport, relevant road authorities and particularly affected owners of properties and businesses. Information must be provided at least 14 days before the closure and verified by a note.

Traffic must be able to pass the work sites with the least possible disruption during the construction period with the following restrictions for each road:

Clearance above carriageway 4.7 metres shall be maintained.

For cables in portals over the carriageway, a clearance height of 5.1 metres must be maintained. Requirements for the speed of passing traffic past personnel and during intermittent work are stated in TRVK Apv sections 4.1.1. and 4.1.2.

For work involving municipal or private roads, consultation must take place with the respective road owner. As regards the technical requirements for the temporary traffic facilities, TRVK Apv applies to these roads.

AFD.136 Conditions with regard to railway traffic

Work on and around the railway shall be carried out in a way that does not jeopardise safety. Train traffic shall be uninterrupted, except when track closure has been specifically agreed.

All work in the track area shall be carried out in accordance with the rules set out in TDOK 2016:0289 "Säkerhet vid aktiviteter i spårområdet".

The traffic that the work area is affected by during the construction period is a prerequisite and thus not to be seen as a premature commissioning according to ABT 06 Chapter 5, Section 3 second paragraph.

AFD.139 Contract for access to railway infrastructure installations

An absolute prerequisite for obtaining access to the railway's infrastructure facilities is that an access agreement is drawn up between the Swedish Transport Administration and the contractor.

TDOK 2019:0467 "Tillträdeskrav VO Underhåll, järnväg" describes the requirements for applying for and gaining access to relevant parts of the railway facility.

In cases where the contractor needs access to the railway infrastructure facilities to carry out work on behalf of the Swedish Transport Administration, the right is granted to specified personnel at the contractor to use the Swedish Transport Administration's keys or access cards.

AFD.14 Safety and security regulations etc.

Persons who do not comply with the applicable regulations may be rejected by the contractor's representative.

Safety rounds shall be carried out regularly and at least every 14 days unless otherwise agreed with the Employer. The Employer shall be invited and invited to attend the round. The contractor shall continuously and without delay provide the Employer with minutes of safety rounds and inform about planned and taken measures.

Electrical safety

When performing maintenance (work and other activities) on or near the Swedish Transport Administration's high-voltage installations, the Swedish standard SS-EN 50110-1, TDOK 2015:0223 "Elsäkerhetsföreskrifter för arbete på eller nära järnvägsanknutna högspännings-

och tågvär-meanläggningar" or the applicable ESA Grund och Arbete and TDOK 2021:0428 "Anvisning för elsäkert arbete inom Trafikverkets väganläggningar" shall be applied depending on the part of the installation concerned. The function of electrical supervisor, when applying SS-EN 50110-1, is the responsibility of the contractor.

The distribution is:

- When working on or near road-related high voltage installations, TDOK 2021:0428 "Anvisning för elsäkert arbete inom Trafikverkets väganläggningar" is applied.
- When working on or near railway-related low-voltage installations, SS-EN 50110-1 is applied.
- When working on or near railway-related high-voltage and train heating installations, TDOK 2015:0223 "Elsäkerhetsföreskrifter för arbete på eller nära järnvägsanknutna högspännings- och tågvärmeanläggningar" is applied.
- When working on or near railway feeder lines, 30 and 132 kV respectively, the applicable ESA is applied.

Competence requirements for electrical safety are regulated in TDOK 2014:0994 "Kompetenskrav för personal som arbetar på och nära Trafikverkets starkströmsanläggningar".

The contractor must ensure protection of theft-prone property during the construction period to avoid disruption.

Alcohol and drugs

Work carried out on behalf of the Swedish Transport Administration must not be carried out under the influence of alcohol or drugs. Drugs refer to all non-medical use and consumption of drugs.

If any person is found to be under the influence of alcohol or drugs in the work area, the contractor must ensure that the person leaves the work area immediately and in a safe manner.

What applies to periodic health examinations and random alcohol and drug tests for personnel with safety-critical tasks within the railway is stated in TDOK 2014:0230 "Trafikverkets kompetenskrav för tillträdes- och trafiksäkerhetsfunktioner".

Alcohol interlocks

All light and heavy vehicles and work machines that can be driven at speeds higher than 30 km/h according to the lists required in AFG.36 under "Reporting requirements for vehicles and work machines", must be equipped with alcolocks, tested and approved in accordance with SS-EN 50436-1, ed 2:2014 or SS-EN 50436-2, ed 2:2014. The contractor must be able to show a test report issued by an ISO 17025 accredited test laboratory with accredited methods for SS-EN 50436-1, ed 2:2014 or SS-EN 50436-2, ed 2:2014 showing that performance requirements are met.

A certificate of completed calibration and the recommended calibration interval for the alcolock must be available in the vehicle or work machine.

Working methods are defined by the parties during Phase 1 to fulfil the above rules and regulations.

AFD.142 Safety and security regulations for roadside work

If field investigations are required that may affect traffic, site-specific safety and security regulations will be specified by the Employer before work may be carried out.

Responsibility for work with protection and safety at road works is stated according to TRVK Apv in applicable parts. The contractor shall have on-call service regarding accessibility, traffic and safety devices.

AFD.143 Safety and security provisions for trackside work

The contractor shall describe the specific activities affecting safety in his safety plan.

For new track construction, rules according to TDOK 2013:0390 "Construction tracks" apply. The contractor shall draw up and apply the construction track description for the new construction.

The construction track description must be approved by the Swedish Transport Administration before work on the construction track begins. TDOK 2015:0309 Traffic safety regulations for railways (TTJ) apply to construction tracks. The contractor shall have a Construction Traffic Manager for construction tracks with valid authorisation according to TDOK 2020:0219 "Competence requirements according to Main Supervisor".

Drivers of trains, blocking and shunting as well as supervisors protection and travelling shall have activated GSM-R telephone for communication with the Swedish Transport Administration's traffic management staff.

The contractor must have the necessary competences for the contract in accordance with TDOK 2014:0230 "The Swedish Transport Administration's competence requirements for access and traffic safety functions".

Work must be planned by the contractor in accordance with TDOK 2016:0289 "Safety in activities in railway areas". All track work shall be carried out according to the rules in TDOK 2015:0309 "Traffic regulations for railway".

The following categories of safety personnel shall be provided by the contractor if required:

- Electrical safety leader
- Switching supervisor
- SISÄ inspector
- Safety and security manager
- Safety and security planner
- Supervisor/Inspector

AFD.149 Safety and security regulations when working near power lines

The installation of poles and other devices or work with machinery in the vicinity of overhead power lines (overhead line) shall not take place without agreement with the owner of the power line on when and how the work is to be carried out.

In view of the danger to life and property, such work shall be carried out in accordance with the rules issued by the owner and any rules issued by the Employer. The same applies to digging and excavation work in the vicinity of power cables.

AFD.15 Goods etc.

The contractor shall mainly procure and use materials according to "Sortimentslista - teknisk godkänt järnvägsmaterial", Sortimentslista. The list is available on the Swedish Transport Administration's website (<http://www.trafikverket.se/for-dig-i-branschen/upphandling/Leverantorsinformation/Avtal-for-leverantorer/>).

The list shows which materials are to be procured via the Swedish Transport Administration's Logistics, via the Swedish Transport Administration's framework agreement or with free supply. The free supply option applies unless requirements are specified in the contract or are not stated in the Assortment list - technically approved railway material.

During both Phase 1 and Phase 2, the parties may jointly decide to deviate from the list in order to procure better alternative goods for the project.

AFD.151 Goods provided by the contractor

Materials and supplies provided by the contractor shall have the required documentation, such as the associated EC declaration if the material is covered by such directives.

The contractor shall fulfil the requirements for chemical products set out in TDOK 2010:310 "Kemiska produkter – gransningskriterier och krav för Trafikverket", section 5.1.

Materials and goods supplied by the contractor shall fulfil the requirements set out in TDOK 2012:22 "Material och varor – krav och kriterier avseende innehåll av farliga ämnen", section 5.2.

The requirements apply to materials and goods that are designed and/or built into the installation.

Reduced climate impact and energy use

Requirements regarding the climate impact of goods and material are stated in AFG.36.

AFD.152 Goods or works from the Employer

The contractor must use the agreements signed by the Swedish Transport Administration regarding the supply of technically approved materials and any designated framework agreements. Technically approved material refers to pre-ordered and designated materials and work in accordance with AFD.1521 and, where applicable, material provided in accordance with AFD.1522.

Technically approved material shall be ordered by the contractor according to the Assortment list. The product range list and other documents that apply to the ordering and handling of materials, see the Swedish Transport Administration's website, search word "Avtal för leverantörer".

Conditions for orders and deliveries from the Swedish Transport Administration's Purchasing and Logistics Department are set out in TDOK 2012:195 Förutsättningar vid beställning och leverans av tekniskt godkänt material".

Materials and goods that are provided or pre-ordered and instructed by the Employer shall be documented by the contractor in a list of materials. The list of materials shall fulfil the requirements in TDOK 2012:22 "Material och varor – krav och kriterier avseende farliga ämnen", section 5.2.3.

Chemical products that are supplied or pre-ordered and instructed by the Employer shall be documented by the contractor in a list of chemicals. The list of chemicals shall fulfil the requirements in TDOK 2010:310 "Kemiska produkter – gransningskriterier och krav för Trafikverket", section 5.3.

Information on the content of hazardous substances in the goods and chemical products from the Swedish Transport Administration Purchasing and Logistics can be found in the Swedish Transport Administration's material catalogue. Information on the content of chemical products can be found in the safety data sheet in the Swedish Transport Administration's material catalogue.

The Employer provides the EC declaration for associated goods that the Employer provides or pre-orders and instructs. The current EC declaration may be registered in ERADIS (European Railway Agency Database of Interoperability and Safety <https://eradis.era.europa.eu/>).

The contractor must state the Swedish Transport Administration's reference number and project name when ordering from the Swedish Transport Administration Purchasing and Logistics.

For planned measures, the contractor must submit a forecast for pre-ordered and designated material to the Swedish Transport Administration with the requirement times that apply according to the form "Prognoslista", see the Swedish Transport Administration's website, search term "Blanketter tekniskt godkänt material" with the correct specification and quantity. Forecasts for materials supplied are handled by the Employer.

AFD.1521 Pre-ordered goods or works

Pre-ordered and designated material refers to such material in the assortment list that is not provided according to AFD.1522. No material is pre-ordered specifically for the contract in question, but the contractor shall order/call off the required material according to the assortment list from the Swedish Transport Administration Purchasing and Logistics.

If the Employer so instructs, the contractor must also use framework agreements that are not handled via the Swedish Transport Administration Purchasing and Logistics.

For all laboratory analyses of contaminants in excavated earth, building materials and water, the parties shall jointly agree on who and how the laboratory analyses are to be carried out, where the Employer's framework agreement for laboratory services shall be an option.

In the case of planned sampling involving many samples >10 samples, an extra contact shall be made with the laboratory to warn of upcoming sampling and the need for analyses so that they can plan their production.

AFD.1522 Goods to be supplied

The contractor must take over goods purchased by the Employer.

The goods are taken over in connection with the establishment area.

The contractor shall provide all materials and equipment in addition to what is provided by the Employer as described below.

It is included for the supplier to provide personnel and machinery to unload and handle the goods/materials provided/accepted.

Responsibility

The contractor assumes responsibility for collected and delivered materials in connection with collection/receipt and shall carry out acceptance inspection and immediately report any faults and deficiencies to the Employer.

Call-off of material

The schedule for call-off and delivery of materials provided shall be drawn up by the contractor in consultation with the Employer, see also AFD.4. The contractor shall continuously inventory the need for goods and plan/call-off and order the goods that are needed for the project in terms of quantity and specification.

The contractor shall continuously inventory the need for goods and plan and order the goods required for the project in terms of quantity and specification. The contractor must also take care of goods reception, reception control, delivery monitoring, ensure that the goods are not damaged or stolen after delivery, insure the goods, keep machines and personnel for unloading/transloading the goods and handle the required documentation. Any defects or deficiencies in the goods must be reported immediately to the Employer.

Responsibility for the goods supplied is transferred to the contractor in accordance with the terms of delivery below. What applies to buyers under the terms of delivery and ABM 07 applies to the contractor.

Track sleepers, concrete

Following a delivery plan approved by the Swedish Transport Administration, the contractor shall order the sleepers at least 6 weeks before the desired delivery date.

The sleepers must be collected from Sateba, Kungsör. The sleepers are packed 7 per layer and 4 layers high. The delivery condition "Hämtat Lastat Säljaren" (HLS) applies.

Wooden spacers must be packed and returned according to "Instruktion, retur av trämelanlägg", see the Swedish Transport Administration's website, keyword "Blanketter tekniskt godkänt material".

Rails (Max 120 metres, excluding pass rails and transition rails)

The contractor must order short rails from the Swedish Transport Administration Purchasing and Logistics at least 6 weeks before the desired delivery date. Delivery is made to site. The delivery condition Delivered Unloaded Buyer (LOK) applies.

Rail for delivery by long rail train (60-420 metres)

After the delivery date has been approved by the Swedish Transport Administration Purchasing and Logistics, the contractor must submit a completed "Loading plan", see the Swedish Transport Administration's website, keyword "Forms for technically approved material", no later than 12 weeks before the agreed delivery date. Delivery is made to the agreed destination station. The delivery condition Delivered Unloaded Buyer (LOK) applies.

AT transformer including foundation and building

After the Swedish Transport Administration has approved the delivery plan from the contractor, the contractor shall order the AT transformer including foundation and building. This is called off from the Swedish Transport Administration's purchasing and logistics. The delivery condition Delivered Unloaded Buyer (LOK) applies.

Satellite stations, network stations, technical kiosks and signal cabinets

After the Swedish Transport Administration has approved the delivery plan from the contractor, the contractor shall order satellite stations, network stations, technical kiosks and signal cabinets. This is called off via the Swedish Transport Administration's supplier for technical buildings. The delivery terms Delivered Unloaded Buyer (LOK) apply.

Detector equipment must be called off in accordance with the Swedish Transport Administration's current framework agreement and called off by the Infrasystem section of national maintenance. Call-offs must be made at least 18 months before installation. The Swedish Transport Administration provides detector equipment including installation, excluding detector kiosks, which the contractor purchases from purchasing and logistics.

Active telecoms system equipment

Active telecommunications system equipment is delivered and installed by the Swedish Transport Administration's ICT. After the Swedish Transport Administration has approved the delivery plan from the contractor, the contractor shall call off materials and work. The technical room must be ready for installation of the active equipment.

Radio tower

Radio towers, excluding foundations, are delivered and installed by the Swedish Transport Administration's framework agreement supplier after the Swedish Transport Administration has approved the delivery plan from the contractor. The radio tower supplier also delivers and installs the radio tower on site.

After the Swedish Transport Administration has approved the contractor's delivery plan, the contractor must order signalling material from the Swedish Transport Administration's Purchasing and Logistics department. The material to be ordered is stated in the technical description, chapter FC, and in the construction document delivery from the side consultant. Delivery will be made to the specified location within the work area.

Locks are provided by the Employer. Called off at least 6 months before the desired delivery.

AFD.159 Reclaimed material, surplus masses

With the takeover of materials and masses comes environmental responsibility. The contractor must present the necessary permits that the continued handling may require.

With amendment of ABT 06, Chapter 1 Section 10, third paragraph, the following applies:

The contractor shall, to the greatest possible extent, reuse such masses that are removed during the execution of the contract for other work in the contract.

The handling of masses shall be planned by the contractor by drawing up a mass handling plan. The mass management plan shall be submitted to the Employer before sampling and excavation work begins.

Additional sampling and classification of masses shall be carried out by the contractor in good time before the excavation work.

Excavated material, including rock material from tunnelling work, resulting from the contract shall be returned to the contractor without special compensation:

- Primarily reused within the contract.
- Secondly reused within another contract within the East Link Programme in accordance with the Employer's instructions.
- Thirdly, recycled for construction purposes outside the project in accordance with the Employer's instructions.
- As a last resort, go to a reception facility/landfill with a licence to receive masses with the relevant contaminant content.

The contractor is responsible for ensuring that the necessary transport documents are drawn up in accordance with BeAst and that the masses received at the reception facility/landfill are verified with reception receipts. Transport documents and receipts shall be saved and reported to the Employer on an ongoing basis. The receipts must be presented in digital and searchable form.

Handling of masses based on degree of contamination.

The soil masses used in the construction of the railway facility must meet the guideline values according to the Swedish Transport Administration's developed delimitation values according to the requirements document Environmental classification and assessment of soil masses TDOK 2022:0063 with associated advice document TDOK 2022:0064. The guideline values adopted for the railway facility are according to soil area S1.

During the course of the project, the contractor's handling of its mass management and ongoing reporting to the Employer must be done according to the construction industry's electronic standard BeAst.

If the contractor finds suspected contaminated soil or material that is not described in the tender documents, the Employer must be informed immediately and work must be stopped pending a decision from the Employer. The Employer is responsible for notifying the supervisory authority of any contamination found.

Soil and rock masses must be handled and disposed of in such a way as to minimise the risk of spreading any contaminants. When transporting masses with total concentrations above the guideline values for less sensitive land uses that risk dust, the soil masses must be covered. When transporting similarly wet materials, sealed skips or sealed containers shall be used. Vehicles and equipment used for working with contaminated soil shall be cleaned after completion of the work.

A summary of soil masses with a content above less sensitive land use and the facility to which they have been transported must be reported. It must also be possible to report transport documents and receipts. The transport documents must be included in the final documentation.

AFD.16 Authorisation etc.

The parties jointly define the project's need for Permits during Phase 1, and when these are needed (updated continuously during the project period), who is responsible for and arranges these, and which party is responsible for and arranges these. Unless otherwise agreed by the parties, AFD.161 - AFD.163 apply as below.

AFD.161 Authorisations from authorities

In addition to permits for permanent installations, the Employer also provides the following authorisations and prior approvals:

- Demolition permit/demolition notification.
- Permits and notifications under the Environmental Code (Natura 2000, permits for water activities, biotope protection and shoreline protection arising from the railway plan's land claims).
- Authorisations under the Cultural Environment Act.

The contractor is responsible for obtaining the necessary permits for temporary works.

The contractor must ensure that the appropriate permits are available before the work in question begins. If no permits or licences are available, the contractor shall request them immediately and assist the Employer in obtaining the necessary documentation.

The contractor shall continuously draw up a list of permits obtained. The list of authorisations shall be presented to the Employer on request and at the end of the contract.

With amendment of ABT 06 Chapter 1 Section 11 applies:

Where the contractor's technical solutions include structures that require a building permit, the contractor shall provide documentation for the application for a building permit to the Employer, who will take care of the application. The documents must be submitted in good time at least 3 months before the work needs to start.

The contractor is responsible for obtaining any other permits required for his activities.

Copies of the permits applied for and obtained by the contractor must be submitted to the Employer before commencement of the activity.

Examples of such other activities requiring permits or notifications that are handled by the contractor:

- Police authorisation under local public order regulations.
- Police authorisation to store explosives and carry out blasting work.
- Noisy evening, night and weekend work
- Building permit for temporary facilities
- Authorisation/notification for the transport of hazardous waste.

- The Swedish Transport Agency's licence to operate your own rail vehicles or Transport Agency safety certificate.
- Traffic agreement with the Swedish Transport Administration.
- Work in areas affected by municipal water protection regulations
- Notification for crushing activities.
- Authorisation or notification under the Environmental Code for intermediate storage and/or reuse of masses outside the project's work area that are subject to temporary use.
- Agreement with the municipality's water and sewerage department regarding the use of storm and waste water networks.
- Electricity agreement for the use of electricity networks.

Prior to connection and commissioning for traffic release on railway infrastructure that is affected by the Swedish Transport Agency's approval process according to TSFS 2022:47, approval from the Swedish Transport Agency must be obtained.

However, the Employer shall notify water activities after the contractor has notified that such a need exists. The contractor shall deliver the required documentation for this to the Employer.

AFD.162 Official inspection

Certificates regarding official inspections are submitted to the Employer in connection with the final inspection.

AFD.163 Agreements etc.

If an agreement affecting the contract works is made between the contractor and the owner of an adjacent property, another landowner, the road authority, or similar parties, the employer shall be provided with the agreement in writing well in advance of the commencement of the works. The agreement must state that:

- The road authority or property owner has granted written permission, and
- A condition survey has been carried out, which shall form the basis for calculating any potential compensation for damages.

If an agreement is made between the contractor and the owner of an adjacent property, another landowner, the road authority, or similar parties, the contractor shall, before final inspection, present written certification that all matters between the parties have been settled.

The contractor shall independently arrange agreements regarding storage areas or temporary areas for handling waste and hazardous waste. Consultation with the employer must take place before any such agreement is made.

AFD.17 Notifications

AFD.171 Notifications to authorities

The contractor must provide the Employer with information on prior notification (appendix 1 to AFS 1999:3) before establishment. The Employer submits the prior notification to the Swedish Work Environment Authority.

Unless otherwise stated, the contractor is responsible for the notifications to the authorities that the activity requires.

AFD.172 Notifications to the Employer

The contractor shall report to the Employer any deviations, incidents and accidents that occur in the contract in accordance with TDOK 2016:0035 "Rapporteringskrav, avvikelse, tillbud och olycka". Reporting to the Employer must take place without delay and a report must be given at construction meetings/project meetings.

In the event of an environmental accident, the Employer must be informed immediately. In the event of environmental deviations, in addition to what is stated in TDOK 2016:0035, a report must be submitted to the Employer within 24 hours of the event occurring. The Employer shall be notified if compliance with applicable legislation is jeopardised and in the event of deviations from the established environmental plan.

The Employer is the owner of existing electrical power installations where work is carried out and shall be notified of accidents and serious incidents that have occurred due to electricity, see Section 5 of the Electrical Safety Ordinance (2017:218).

The Employer must be notified in writing:

- Name and telephone number of the supervisor on duty
- Name and telephone number of the contractor's traffic and electrical safety officer

At least seven days prior to backfilling, casting or lining of such parts of the works which conceal work previously carried out, the contractor shall notify the Employer. This applies also applies to parts of the works where access will be impeded due to subsequent installations carried out later or due to installations that will be carried out by another contractor.

Work in a commissioned cable must always be notified to Planned works at least 4 weeks in advance. Documentation for notification is provided by Planned works, plannedworks@trafikverket.se

Radio network planning must be ordered from the Swedish Transport Administration IKT no later than 3 months before the desired delivery of the radio planning. Notification must be made by e-mail to telekombestallning@trafikverket.se.

If an ancient monument is found during the work, the Contractor must immediately stop the work to the extent that the ancient monument is affected and the Instruction "If a previously unknown ancient monument is found in connection with the construction phase of the East Link" must be followed.

Temporary regulations

The Employer provides regulations in accordance with Chapter 10, Section 14 of the Traffic Ordinance (1998:1276). The contractor applies via the web-based system FIFA and the application is made no later than 15 working days before the desired regulation is to be used. See AFD.242

Permanent regulations

Traffic control through regulations must be called off from the Employer no later than eight months before the regulation can take effect.

AFD.18 Statutory instruments

AFD.181 Supervision and control under the Planning and Building Act

AFD.1811 Inspection plan according to the Planning and Building Act

Inspection plan according to the Planning and Building Act will be provided to the contractor as soon as it is established by the building committee.

AFD.183 Responsibility for construction work environment

Work may be carried out temporarily in the work area by other contractors and for works other than those included in this contract.

These contractors must not carry out work in the work area without having consulted the current Bas-U and/or co-ordinating officer in the work area or otherwise ascertained that work can be carried out there without exposing anyone already working at the site to ill health or accidents.

Where subcontractors are present in the work area, the contractor shall not carry out work which may expose subcontractors to ill health or accidents.

The Employer provides the contractor with a basis for coordination.

AFD.1831 Work environment plan

The work environment plan must be drawn up before the construction site can be established. Changes or additions that occur during the course of the project must be clearly described in the work environment plan with a revision history. Changes and additions must be reported at the next construction meeting/project meeting.

Bas-P/Bas-U shall continue to work with the work environment plan provided by the Employer.

The work environment plan must be drawn up in accordance with TMALL 0255 "Arbetsmiljöplan".

The work environment plan must be based on the risks and information known at any given time in the project and be developed continuously and be able to be presented on request.

AFD.1832 Construction health and safety coordinator for planning and design (Bas-P)

The contractor is appointed to be the construction work environment coordinator for planning and design of the contract with the tasks specified in Chapter 3, Section 7a of the Work Environment Act and in associated regulations.

The contractor shall, no later than the initial meeting, report which persons will perform the tasks incumbent on Bas-P. Sufficient qualifications, as below, shall be demonstrated by submitting CVs and training certificates. Written procedures for how the tasks are performed must be presented.

The person leading the work as Bas-P shall fulfil the following requirements:

- Completed work environment training for Bas-P according to the Swedish Work Environment Authority's guidelines. The training must not be more than five (5) years old at any given time.
- Experience of work environment risk work in construction projects of similar complexity to the current assignment.

- At least 5 years of experience as Bas-P.
- Experience of at least 2 civil engineering projects with design assignments of more than SEK 100 000 000 each and of similar complexity

The contractor may not transfer the task of Bas-P to another person without the Employer's written consent. If the person performing the tasks of the Bas-P is changed, the contractor shall, before the change is made, report in writing the qualifications of the new person and hold a handover meeting which the contractor documents and communicates to the Employer.

AFD.1833 Construction health and safety coordinator for execution (Bas-U)

The contractor is appointed to be the construction work environment coordinator for the execution of the contract with the tasks specified in Chapter 3, Section. 7b and 7f of the Work Environment Act and in associated regulations.

The contractor shall, no later than the initial meeting, report which persons will perform the tasks incumbent on Bas-U. Sufficient qualifications, as set out below, must be demonstrated by submitting CVs and training certificates. Written procedures for how the tasks are performed must be presented.

The person leading the work as a Bas-U must fulfil the following requirements:

- Completed health and safety training for Bas-U according to the guidelines of the Swedish Work Environment Authority. The training must not be more than five (5) years old at any given time.
- Experience of work environment risk work in construction projects of similar complexity to the current assignment.
- At least 5 years experience as a Bas-U.
- Experience of at least 2 construction projects each larger than SEK 200 000 000:- and of similar complexity

The contractor may not transfer the task of Bas-U to another person without the Employer's written consent. If the person performing the tasks of the Bas-U is changed, the contractor shall, before the change is carried out, report in writing the qualifications of the new person and hold a handover meeting, which the contractor documents and communicates to the Employer.

AFD.187 Registration under the Electrical Safety Act

Anyone who is to carry out electrical installation work must be authorised in accordance with Section 20 of the Electrical Safety Act (2016:732) or be included in an electrical installation company's self-inspection programme in accordance with Section 24.

Electrical installation companies must fulfil the requirements set out in Sections 23-26 of the Electrical Safety Act (2016:732).

Electrical installation companies shall present their own inspection programme at the request of the Employer.

AFD.2 Execution

TDOK 2023:0246 "Samarbete i entreprenader och tekniska konsulttjänster" may form the basis for co-operation under the contract documents. The parties work out a co-operation plan together during Phase 1.

AFD.21 Quality declarations

Workmanship or materials that the employer does not consider to be of equivalent quality may not be used, which means that the equivalence in each individual case must be assessed and approved by the employer before it may be used.

AFD.22 Quality and environmental management

For the contract, the contractor must fulfil the requirements set out in TDOK 2016:0032 "Kvalitetsstyrning i upphandlad verksamhet – Entreprenad och Projekteringstjänster" unless the parties agree otherwise during Phase 1.

AFD.224 Contractor's quality and environmental plan

The contractor shall draw up a site-specific quality and environmental plan. The quality and environmental plan must be drawn up together with the Employer.

The contractor's environmental plan must show how the environmental requirements of the construction contract and the Swedish Transport Administration's general environmental requirements TDOK 2012:93 are or will be met. The project-specific environmental plan, with a named legally responsible person and environmental officer for the contract, must be presented no later than two weeks before the start of the contract. The environmental plan must be communicated with those involved at the workplace.

The contractor's environmental plan must state which permits, notifications, exemptions or consultations as above that the contractor itself needs to handle to conduct its activities. If there is a need for more such permits, notifications, exemptions or consultations during ongoing construction after the preparation of the environmental plan, the contractor shall inform the Employer and update the environmental plan.

The environmental plan must be kept up to date and updated regularly; at least once a year. The contractor must notify the Employer without delay of any situations that arise that result in deviations from the environmental plan or if compliance with applicable legislation is jeopardised. The Employer will follow up the contractor's environmental work, this follow-up will be done against the environmental plan.

AFD.225 Quality and environmental audit

Supplier rounds and follow-up and possible audit in accordance with TDOK 2016:0032 "Kvalitetsstyrning i upphandlad verksamhet - Entreprenad och Projekteringstjänster" will be carried out with the frequency that the parties consider reasonable. A first supplier round will be carried out within 1 year after the start of the contract.

The contracting authority may, itself or by appointing a third party, carry out audits of the contractor's approach to information security through self-assessment or on-site audits.

The contractor shall carry out internal audits covering quality, environment and health and safety within six months of the initial meeting, and thereafter at intervals of at least one year unless otherwise agreed between the parties. The Employer shall be given the opportunity to participate as an observer.

The audits shall be minuted. The minutes shall be communicated to the Employer. The contract and quality plan shall form the basis for the audits.

The Employer shall be given the opportunity to participate as an observer in audits carried out by the contractor on its subcontractors.

The Employer is entitled to check the conformity with the requirements of the Technical Specifications for Interoperability (TSD) for the respective subsystem. The contractor shall keep the documentation available for the Employer at his site office.

AFD.2251 Quality and environmental audit of the contracting entity

AFD.226 Risk management

In order to ensure the quality of the execution of the contract and the delivery, the contractor shall carry out an active and systematic risk management (risk identification, risk analysis, risk evaluation, risk treatment), the form and detail of which are decided jointly by the parties. It is the contractor's responsibility to continuously and systematically manage the risks and, if necessary, consult with the Employer and take appropriate measures.

AFD.23 ÄTA works

Notification of ÄTA work in accordance with ABT 06 Chapter 2, Section 6 shall be submitted in writing via the notification system.

AFD.24 Provision of documents

During Phase 1, the parties jointly define the project's need for documents and which party will provide them at what time, and how this will be done. Unless otherwise agreed by the parties, AFD.241 - AFD.242 apply as follows.

AFD.241 Provision of documents and information by the Employer during the construction phase

System

The following systems and templates are available from the Swedish Transport Administration for the provision of documents, information and associated supporting material:

- ProjectWise (PDB Investera) <https://trafikverket.se/projectwise>
- Project portal <https://trafikverket.se/projektportalen>
- Maintenance system/Gus Maximo
- Chaos and Cisco Anyconnect VPN Employer <https://trafikverket.se/chaos>
- Material catalogue
- Ebba
- BaTMan
- Digital delivery notes BEAst
- EQuIS
- BIS
- DOORS Next (DNG)
- Novapoint Geosuit
- Access (as user) to the Swedish Transport Administration's climate calculation tool
- ETP (notifications (UR) and ÄTA).

For access to the Swedish Transport Administration's systems, see Digital Project Management Plan, Ostlänken.

The contractor is responsible for ensuring that communication with the Internet works and has the required capacity. Any changes and adaptations needed to be able to communicate with the Swedish Transport Administration's system are at the contractor's own expense.

Construction governing documents

Construction governing documents will be delivered from the employer in the following areas:

- Signalling, Telecommunication and Electricity low voltage regarding chapter FJ canalisation system in technical description.
- Signalling, telecommunications and low-voltage electricity provides construction control documentation for chapter M.
- Signal, Tele and Electric low voltage regarding object placement of objects for Signal, Tele and Electric low voltage.
- Electricity low voltage for placement of transformer and power according to Chapter FE33 in the functional description, which also affects Chapter FE.3 auxiliary power line.

Other items

The Employer provides the following during the construction period:

- Structures in Chaos, ProjectWise and Project Portal for delivery and accounting.
- Loading template for Gus/Maximo of existing components and location codes for components.
- Statement of Model (RFM) TMALL 0402, Statement of Coordination Model (RFS) TMALL 1094, Statement of Subject Area Model (RFÄ) TMALL 0403 and template Statement of GIS (RFG).
- Applicable wiring diagrams for existing contact and auxiliary power facilities. For safety reasons, the Swedish Transport Administration has assigned special authorisation to all switching and circuit diagrams. Authorisation will be arranged by the Employer after the contract has been signed.
- Construction control documentation to the contractor from construction document design signal, telecom and electricity low voltage delivered 2030-01-07.
- Approved construction document for signalling, approved construction document for telecommunications and approved construction document for low voltage are delivered 2031-01-06.

AFD.242 Provision of documents and information by the contractor during the construction period**Notified body**

The contractor shall provide documentation to the employer for further processing.

The Notified Body shall carry out checks on the design, manufacture, installation and functioning of the subsystems, and shall assess the conformity with the requirements of the Technical Specifications for Interoperability (TSD).

Technical documents

The contractor shall provide technical documents such as construction documents, verification and relationship documents, operation and maintenance plans and management data. Requirements for technical documents are specified in FB , section " X. Documentation".

Deviations

The contractor shall continuously present deviation reports including summaries and information that the deviations are closed.

The contractor shall report to the Employer deviations, incidents and accidents that occur in the assignment in accordance with TDOK 2016:0035 "Rapporteringskrav, avvikelser, tillbud och olycka". Reporting to the Employer shall take place without delay and a report shall be given at a meeting as agreed between the contractor and the Employer.

Claims for damages from third parties

The contractor shall assist the Swedish Transport Administration in handling claims for damages from third parties. The contractor shall provide the Swedish Transport Administration with information on circumstances of significance for the assessment of whether there is a liability for damages within one week of the contractor receiving the Swedish Transport Administration's request for information.

Updating of prior notification etc.

The contractor is responsible for updating the advance notification as referred to in Section 7 of AFS 1999:3. As of 2025-01-01, AFS 1999:3 is replaced by AFS 2023:3. The contractor must keep the updated advance notification posted in a clearly visible place at the construction site. If the activities are carried out at several locations, the work environment plan and prior notification must also be available or posted at these locations.

Design/construction responsibility

The contractor must continuously inform the person appointed as Bas-P and the Employer in writing how health and safety considerations are taken into account during each stage of the planning and design of the assignment. The information must be used as a basis for coordination and for the work environment plan and final documentation. Written procedures for how the work tasks are performed must be reported.

Traffic devices

In order for the contractor to be allowed to carry out roadworks (work that affects an existing road area), the Swedish Transport Administration's road maintenance authority assigns a case, hereinafter referred to as "TA", in the web-based FIFA programme to the contractor. See the Swedish Transport Administration website, keyword 'FIFA'.

In order for the traffic engineer at the road maintenance authority to be able to assign the TA, the contractor must, in consultation with the Employer, provide the information below:

- User name or email address of the person who will manage the TA in FIFA (this requires that the responsible person first creates an account in FIFA).
- Contractor's company name, address and telephone.
- Name, telephone number and email address of the main person linked to the above company.
- Start date of assignment/contract.
- End date of assignment/contract.
- The file number of the contract.

The above will be sent by e-mail at least 20 working days before work is due to start to the region's transport engineer at the following e-mail addresses

Central Region

Apv.mellersta@trafikverket.se

Enter as heading/subject: *Allocation of TA for OLE4110 Ålberga*

The contractor must, no later than 15 working days before the planned start of the roadworks, supplement the case with appendices in accordance with the requirements set out in TRVK Apv section 7.2, according to the table below:

By work/phase Level according to TRVK Apv

- | | |
|---|---|
| - Intermittent and permanent works on E4 | 2 |
| - Permanent works on other roads | 2 |
| - Diversion (one direction or total closure). | 2 |

In the case of diversion, the contractor must carry out a study of possible diversion of traffic according to requirements in TRVK Apv section 7.1

TA is subject to authorisation by the road maintenance authority and the contractor must also register any requested supplements and information. Roadworks may only begin when the contractor has received the go-ahead through the system. Additions and changes during the construction period are registered again in the same TA and are subject to authorisation according to the same principle.

If there is a need for changes to temporary traffic management principles during the construction period, the contractor must consult with the Employer.

The Swedish Transport Administration's region, in its capacity as a road maintenance authority, issues regulations in accordance with the Swedish Transport Ordinance (1998:1276), Chapter 10, Section 14. If the contractor needs to issue regulations (e.g. limited speed, duty to give way), the contractor must contact the traffic engineer via the web-based FIFA programme so that the engineer can decide whether to issue a regulation. The registration must be made at least 15 working days before the order is due to take effect.

For roads with another road owner:

For works involving municipal or private roads, the contractor shall consult with the respective road owner and, if necessary, draw up and apply for separate traffic organisation plans (TA plans) to the respective road owner.

Electrical installation

The Employer shall be provided with a copy of the electrical installation company's inspection, additional and changed documentation 10 days before commissioning of the completed or modified high voltage installation.

In cases where a contract is commissioned in stages, the Employer must be provided with updated documentation that ensures the operation, maintenance and fault rectification of the installation.

If the work results in unforeseen (unplanned) changes to the wiring diagram on the Employer's high-voltage installations, the contractor must notify the Electricity Operations Management during the work shift. The Employer must be notified on the first working day after the work shift.

Documentation for changes in the contact and auxiliary power line installation shall be submitted to GELD no later than three months before connection of the installation or as soon as possible. If less than three months, the documentation is sent to the scheduler, who in turn contacts GELD. See TRVINFRA- 00162 "Kontaktledning Uppdatering av kopplingscheman och gruppsscheman för Trafikverkets kon-takt- och hjälpkraftledningsanläggning.

Safety plan

Safety plan that fulfils the requirements of TDOK 2018:0015 "Generella trafik- och elsäkerhetskrav för järnväg. See attached example template TMALL 1263 "Säkerhetsplan Järnväg".

Transport Agency approval process

Documentation and correspondence of work carried out that is covered by the Swedish Transport Agency's approval process must be submitted to the Employer on an ongoing basis.

Reporting of zero emission vehicles and renewable fuel

The contractor must report annually, no later than one month after the end of the 12-month period:

- documents drawn up in accordance with the heading Accounting for vehicles and work machines in AFG.36.

- documents prepared in accordance with the Fuel Accounting template available on the Swedish Transport Administration's website. Invoice documentation for renewable fuel is presented on request.

Requirements for digital delivery notes

The contractor must report fuel consumption and transport of masses digitally.

Prior to final inspection

The following documentation must be reported continuously as the work is completed, but no later than four weeks before the final inspection:

- deviation reports, including a summary and indication that they are closed.
- inspection programmes and plans with associated test protocols, checklists, etc.
- certificates and attestations
- final reports
- relationship documents
- safety instructions
- operating instructions
- maintenance instructions
- metrological data
- health and safety documentation containing everything relevant to health and safety during future operation, maintenance, repair, modification and demolition of the installation
- product declarations
- list of materials in accordance with TDOK 2012:22 "Material och varor – krav och kriterier avseende farliga ämnen", section 5.2.3.
- list of chemicals according to TDOK 2010:310 "Kemiska produkter – granskningskriterier och krav för Trafikverket", section 5.1.4.
- CE markings/basis for CE marking
- Climate declaration according to AFG.36 incl. PM Reduced climate impact prepared according to TMALL1218 "Reducerad klimatpåverkan järnväg entreprenad" and TMALL 1298 "Åtgärder för minskad klimatpåverkan".
- Approved environmental product declaration and invoice documentation for materials and goods according to AFD.151

The contractor shall keep other quality documents during the warranty period.

Commissioning inspection

The following documents must be presented at the latest at the time of the commissioning inspection:

- Contractor's certificate
- Commissioning before traffic authorisation/tensioning

Maintenance system Gus Maximo

The contractor shall use the Employer's maintenance system Gus Maximo in its daily work and follow the Employer's work processes and procedures to support this work, see the Swedish Transport Administration's website, keyword "Gemensamt underhållsstöd".

The Employer provides licences to the extent required for the contract and arranges user accounts and training sessions.

Ongoing documentation regarding the environment The contractor shall provide the following documentation on an ongoing basis.

Documentation	Accounting records
<p>AFD.151 Goods from the contractor - Chemicals - TDOK 2010:310</p> <ul style="list-style-type: none"> • TMALL 0559 - completed list. • For B products, TMALL 1171 Product selection analysis, TMALL 1169 Risk analysis (in case of impact on soil and water) and TMALL 1170 Hazard assessment must be produced - these are attached to the chemical list. - be prepared according to TDOK 2010:310 • For C chemicals, TMALL 1171 Product Selection Analysis, TMALL 1169 Risk Analysis and TMALL 1170 Hazard Assessment, but also an approval from the Swedish Transport Administration. • Safety data sheet 	To be reported every 6 months throughout the contract period
<p>AFD.151 Goods from the contractor - Materials - TDOK 2012:22</p> <ul style="list-style-type: none"> • TMALL 0558 - completed list • For materials classified as C, product selection analysis TMALL 1168 and risk analyses TMALL 1167 shall be prepared according to TDOK 2012:22 • For materials classified as E, product choice analyses TMALL 1168 must be attached according to chapter 7.1 in TDOK 2012:22 	Presented every 6 months throughout the contract period
<p>Mass management plan according to AFD.159 Recovered material, surplus masses</p>	Must be reported before the actual work begins
<p>Ongoing reporting of project-specific mass management plan in accordance with AFD.159</p> <p>A summary of the clean and contaminated masses that have been handled so far in the project and the facility to which they have been transported must be reported.</p> <p>Transport documents and receipts for handling of masses must be reported continuously to the Employer in accordance with the construction industry's electronic standard BeAst.</p> <p>Authorisation for the transport of masses and for reception facilities.</p> <p>A summary of where and how excavation of contaminated materials has taken place and how and where the contaminated materials have been reused, recycled or disposed of. All contaminated masses that are reused in the Swedish Transport Administration's facility must be approved by the Employer. A decision from the authorities may be required.</p> <p>What sampling has been done.</p> <ul style="list-style-type: none"> • What protective measures have been taken <p>Which areas of the Swedish Transport Administration's facility where excavations have occurred and which can be classified as decontaminated.</p> <p>Which areas have been dealt with in terms of invasive species and where these masses have been transported.</p> <p>Any notifications, permits or agreements with property owners that have been drawn up.</p>	Reported continuously, but at least every 6 months throughout the construction period

Documentation regarding the origin of external soil, rock and aggregate materials and other granular materials incorporated into the facility to date	
<ul style="list-style-type: none"> • Documentation for Notification of pollution in soil, surface or groundwater according to Chapter 10, Section 11 of the Environmental Code is reported by the Employer. The contractor shall submit documentation for such notification in accordance with TMALL 1455. • Supporting documentation for the remediation of contaminated areas under Section 28 of the Ordinance (1998:899) on environmentally hazardous activities and health protection is notified by the Employer. The contractor must submit documentation for such notification in accordance with TMALL 1456, which includes <ul style="list-style-type: none"> • Details of the carrier • Quantity of masses • Environmental verifier • Environmental control plan for contaminated land • Management of excess water • A final report must be compiled after completion of the remediation measure. The contractor must produce documentation in accordance with TMALL 1457, no later than 2 months after completion of the remediation. 	Reported on an ongoing basis
Environmental permits and notifications obtained by the contractor directly from the authorities according to AFD.161 Permits from authorities	Must be reported before the actual work begins.
Contractor's environmental plan AFD.224 Contractor's quality and environmental plan	Shall be presented at the initial meeting or no later than two weeks after the initial meeting.
Sampling, analyses and measurements performed, including analysis protocols and reports AFD.224 Contractor's quality and environmental plan	Immediately after completed sampling
Self-monitoring according to AFD.224 Contractor's quality and environmental plan	Reported on an ongoing basis
Contractor's control of aquatic fauna passage, TMALL 0990	Immediately after completion of the measure, the part of the template that deals with dimensions, slope and overdepth must be filled in.

Environmental rounds and environmental audits AFD.225 Quality and environmental audit	Immediately after the round is completed
Documentation for the contractor's environmental training, introduction and in-depth according to templates AFD.34 Labour management and employees	The training material must be approved by the Employer before work begins.
Verification that the construction area is exposed according to AFG.313 Protection of vegetation and AFG.314 Protection of ancient monuments	Shall be done before establishment at the work site
Control programme for construction noise AFG.34 Noise protection. The contractor must continuously verify that the requirements are met.	Must be drawn up before work commences and notified to the Employer 2 weeks before work commences.
Dust control programme according to AFG.35 Dust protection. The contractor must continuously verify that the requirements are met.	Must be drawn up before work begins and revised as necessary.
List of vehicles and work machines AFG.36 environmentally harmful emissions. A template for reporting is available on the Swedish Transport Administration's website.	Must be updated every time the fleet of machinery and vehicles changes. To be reported every 6 months throughout the contract period
Approved environmental product declaration/verification according to AFD.151	EPD for materials must be reported continuously.
Reporting of the contractor's climate and energy efficiency work in accordance with AFG.36 Environmentally harmful emissions. An updated follow-up of greenhouse gas emissions and climate-reducing measures taken shall be compiled annually, detailing the climate and energy efficiency work	Ongoing at KMA meetings and climate meetings Annual follow-up is reported annually, no later than one month after the end of the 12-month period

<p>Amount of fuel consumed per type of fuel as a basis for emission factors in the climate calculation. AFG.36 Limitation of environmentally harmful emissions</p> <p>Template for reporting fuel TMALL 1383 is available on the Swedish Transport Administration's website. In cases where the project has reported all quantities of fuel using a digital delivery note, this must correspond to the report made using TMALL 1383. Invoice documentation for renewable fuel is reported on request.</p>	<p>To be reported every 6 months</p>
<p>The contractor shall establish a comprehensive plan for all management of bilge water in accordance with AFG.81. The contractor shall continuously verify that the requirements are met.</p>	<p>The drainage plan shall be communicated to the Employer two (2) months before work commences and revised as necessary.</p>
<p>The contractor shall draw up a waste management plan in accordance with AFG.82 Waste management</p>	<p>Must be drawn up before work begins and revised as necessary.</p>
<p>Transport document for transport of waste according to AFG.82 Waste management</p>	<p>To be presented every 6 months throughout the contract period</p>
<p>Demolition and dismantling plan according to AFG.82 Sanitation</p>	<p>To be established before works start.</p>

<p>Measurement/analysis data for environmental impact such as water quality, water flow, groundwater data, soil analyses, soil contamination and results of subsidence measurements are delivered in the Swedish Transport Administration's system for managing and monitoring environmental impact. In addition to delivery to the lab, a data file with the names and coordinates of the measurement points must also be delivered to the Swedish Transport Administration's file surface.</p> <p>The contractor must report the analysis results in the delivery area provided by the Swedish Transport Administration. The format for reporting data delivery shall be in accordance with the following appendices: Appendix 6 Order of lab analyses and delivery to the Redbex measurement database in the East Link Project, Appendix 8 Template Lab analyses, Appendix 9 Template field analyses, Appendix 10 Template groundwater features, Appendix 11 Template Groundwater observations, Appendix 13 Instruction reporting of well inventories and deliveries Redbex, Appendix 14 Instruction-Reporting of groundwater level measurements and delivery to Redbex. Templates for reporting may be updated and adjusted as needed.</p>	<p>Immediately after completion of sampling.</p>
<p>Checks carried out in accordance with notifications, exemptions and authorisations</p>	<p>Immediately after completion of the work step</p>
<p>Product selection according to TDOK 2010:310 and TDOK 2010:311, including product selection analysis, hazard assessment and risk analysis must be reported for all chemical grouting.</p>	<p>At least one month before the start of injection work</p>
<p>Control programmes, work preparations, logs and other documentation must be drawn up for grouting work in accordance with TDOK 2023:0175 Chemical grouting, environment and health, Ostlänken programme.</p>	<p>Reported and approved in accordance with TDOK 2023:0175 Chemical grouting, environment and health, East Link programme.</p>
<p>Controls carried out in accordance with notifications, exemptions and permits</p>	<p>Immediately after completion of the work step</p>
<p>Product selection in accordance with TDOK 2010:310 and TDOK 2010:311, including product selection analysis, hazard assessment and risk analysis, shall be reported for all chemical injection works.</p>	<p>At the latest one month prior to start of work</p>

Control programmes, work preparations, logs and other documentation shall be established for injection works in accordance with TDOK 2023:0175 Chemical Injection, Environment and Health, Ostlänken Programme.	To be reported and approved in accordance with TDOK 2023:0175 Chemical Injection, Environment and Health, Ostlänken Programme.
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Quarterly environmental reporting

The contractor shall deliver a quarterly report according to AF Appendix 15 template quarterly report environment construction" no later than the 10th of the following month (January, April, July, October).

Final environmental documentation

In the final documentation, all environmental documentation according to AFD.242 shall be compiled and finalised 2 months before final inspection.

In addition to this documentation, the following must be included in the contractor's final documentation:

<ul style="list-style-type: none"> A summarised final report is produced based on quarterly environmental reporting. 	The documentation is submitted to the Swedish Transport Administration 1 month before the final inspection.	
<ul style="list-style-type: none"> A status report prepared by an ecologist on natural values after the construction period with an assessment of any impact and extent. 	3 weeks before final inspection.	
TMALL 0007 List of notification cases, permits and control programmes under the Environmental Code.	2 months before final inspection	
<p>Operation and maintenance plans for handover to VO maintenance for environmental objects listed in section XD of the Functional Description.</p> <p>For plantings, a planting plan and maintenance and operating instructions must be drawn up for the warranty period and for operation, in accordance with the Swedish Transport Administration's publication "Växtlighet i vägmiljö" (2011:140), chapter Operation and maintenance, and the Ostlänken design programme, chapter 5 Operation and maintenance.</p>	3 months before final inspection	
Documentation for a contingency plan for water protection measures, including the protective measures in place at the facility and how they are to be maintained, as well as a description of how to deal with spills/accidents.	2 months before final inspection	

<p>TMALL 1218 and TMALL 1298 and climate declaration according to AFG.36 Control of environmentally harmful emissions.</p> <ul style="list-style-type: none"> - Approved environmental product declaration and invoice documentation on materials and goods according to AFD.151 - Completed "MALL Redovisning armering och betong" including environmental product declaration and invoice documentation in accordance with AFD.151 must be submitted for materials used in permanent structural elements. 	<p>2 months before final inspection</p>	
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AFD.2421 Presentation of design plan

The contractor shall prepare a detailed draft design plan.

The level of detail and the reported activities, milestones and milestones in the schedule shall be such that the Employer can check and follow the schedule for the progress of the design work for different stages, structures, systems and devices and their parts. Time for the Employer's review of the completed design shall be included in the schedule.

For measures covered by control of the control unit according to TRVINFRA-00226 Bro och broliknande konstruktion, Allmänna krav", time shall also be included for the Employer's control. Consideration shall also be given to the time required for mailing, adjustment and final inspection and labelling of documents.

In addition to times, the design plan must clearly state which documents are to be produced and how the design and the Employer's review and control of the documents are integrated with the construction process.

It must be possible to read the payment plan items in the schedule so that reconciliation of the schedule can serve as a basis for valuation of the work performed.

AFD.249 Other regarding documents

Processing times for checking construction accounts are set out in the Swedish Transport Administration's regulations for bridge building, tunnelling and geotechnical structures.

The Swedish Transport Administration's handling rules for information security classification according to TDOK 2013:0261 and TDOK 2018:0623 must be followed. The Swedish Transport Administration is responsible for classifying incoming documents according to the correct confidentiality level. Suppliers can mark documents.

AFD.2492 Utilisation rights to documents etc.

With amendment of ABT 06 chapter 1, Section 14, the following applies:

The Employer shall have full access rights to all documents produced within the framework of the contract and to the object-oriented information models in which the documents are generated and stored. The right of use means that the Employer has the right to dispose of the documents and the object-oriented information models for its activities, by producing copies in their original, processed or modified state and making them available to the public, and the right to transfer this right to another party for use in the Employer's activities, without compensation to the contractor.

The contractor shall have ownership of the original documents (both paper and film documents and digital media) produced under the contract as well as the Object Oriented Information Models in which the documents are generated and stored.

The contractor may use documents delivered by the Employer, including Object Oriented Information Models, within the framework of the contract. In addition, the contractor may not use the documents or object-oriented information models without special agreement with the Employer.

Digital information and computer programmes provided by the Employer for the execution of the contract are the property of the Employer and may not be used in any other context without the Employer's written consent.

The contractor guarantees that there are no obstacles to the rights required for the performance of the contract or the Employer's use or disposal under the contract documents. The contractor hereby guarantees that all necessary agreements have been concluded with all subcontractors, copyright holders, organisations, individual participants, etc. in such a way that the Employer's rights under this contract are not restricted or jeopardised. The contractor is hereby obliged to keep the Employer informed of the agreements concluded.

With amendment of ABT 06 Chapter 5, Section 11, the following applies with regard to intellectual property rights:

The contractor shall indemnify the Employer against any infringement of a third party's right or in the event that a third party asserts a claim to the rights granted to the Employer.

AFD.25 The Employer's confidentiality requirements

Confidentiality

As an administrative authority, the Swedish Transport Administration is subject to the Swedish principle of public access to official records. This means that third parties have the right to inspect public documents held by the Swedish Transport Administration, except for information that is confidential under the Public Access to Information and Secrecy Act (2009:400) (OSL).

The contractor and natural persons working under the contractor's management will, in this contract, become aware of information that is deemed to be confidential at the Swedish Transport Administration under OSL. The contractor shall observe confidentiality in relation to all information classified by the Employer that the contractor becomes aware of through its assignment for the Employer. Confidentiality entails a prohibition on disclosing information, whether orally, through the release of documents or otherwise. Information covered by confidentiality must be handled by the contractor in such a way that there is no risk of third parties gaining access to the information. The contractor shall inform all staff and subcontractors involved in the assignment of this obligation of confidentiality and sign the necessary confidentiality agreements with staff and subcontractors who will handle confidential information. If there is a need to access classified information, a separate agreement may be signed.

In order to access classified information, you must be authorised, bound by the required confidentiality agreement, need the information for your work, be reliable from a security point of view and have completed basic security protection training via the Swedish Transport Administration School or equivalent training in the principle of public access that the Swedish Transport Administration approves.

The supplier undertakes to destroy the information when it is no longer needed to fulfil other obligations in the assignment, unless the information must be retained by law. However, if the Employer so requests in writing, the contractor shall return the data to the Employer.

In addition to the above, the contractor shall fulfil its obligations under the security protection agreement or security protection agreement if this should be relevant.

Information security

Information security is about protecting information from being disclosed, altered or destroyed. Information users have a security responsibility for the information that is created, handled or

processed. The contractor must have a systematic information security programme in accordance with TDOK 2011:175 "Informationssäkerhet hos Trafikverket", ISO 27001 or equivalent, and report the same to the Employer no later than 4 weeks after signing the contract. In addition to a description of the organisation, including roles and responsibilities for information security work, at least the following documented procedures, methods and processes must be in place for the secure and systematic management of information assets:

- procedures/methods/processes for human resources and information security
- procedures/methods/processes for access to information assets
- procedures/methods/processes for the use of IT systems in the organisation
- procedures/methods/processes for managing risks related to information management
- procedures/methods/processes for managing information security incidents
- procedures/methods/processes for monitoring and compliance with information security policies and procedures

AFD.26 Information

All information concerning the object shall be provided by the Employer unless otherwise stated. Exceptions to this may be made in cases where the contractor considers that immediate action is required to ensure road safety, accessibility or equivalent. In such cases, the contractor shall inform the Employer afterwards without delay.

The contractor may not publish information about the elements included in the contract without the Employer's consent. This may include information on installations and systems such as photographs, films or illustrations. Illustrations, models, photographs and films produced by facilities and systems are the property of the Swedish Transport Administration.

The Employer is responsible for all external communication relating to the project. However, this does not prevent the contractor from presenting his work in trade journals, using it in marketing contexts or communicating, for example, a successful procurement to the media. In these cases, the contractor must always obtain the Employer's consent. The Swedish Transport Administration has a special guideline for how to cooperate in these matters, which all Swedish Transport Administration projects must follow, TDOK 2013:0432 "Hur Trafikverket syns med leverantörer".

The Employer handles complaints from third parties with the support of the contractor. Principles and forms for how the handling is to be carried out must be drawn up in consultation with the Employer. For example, the contractor shall provide information and documentation for the handling.

AFD.262 Information activities of the Employer

The Employer is responsible for the coordination and management of crisis information. The Employer is responsible for all external communication and media contact related to the project. The contractor shall always refer to the Employer's communication officer for all media contacts related to the project.

The contractor shall inform the Employer without delay of events or activities that are deemed to be of media interest.

The contractor shall participate in information and press activities when requested. The site shall be available for study visits, press tours and open days in co-operation with the contractor. Study visits shall be coordinated with the Employer. Applicable access and safety regulations shall always be complied with.

The contractor provides and makes statements on company and contract-specific information and events within its own contract. The Employer must always be informed of the contractor's media contacts if possible before the media visit or interview.

The contractor shall inform the Employer in good time of upcoming construction events that are likely to have an impact on third parties. The contractor must provide clear information for communication activities.

The contractor must ensure that the Swedish Transport Administration's graphic profile and templates are used and coordinate graphic production with the Employer, see the Swedish Transport Administration's website, www.trafikverket.se/grafiskprofil. For signage production, see TDOK 2013:0429 "Skrivråd för byggskyltar".

The contractor must familiarise themselves with and comply with TDOK 2010:120 "Trafikverkets kommunikationspolicy" and TDOK 2018:0367 "Strategi för Trafikverkets varumärke".

AFD.263 Information to property owners, residents etc.

The contractor is obliged to ensure that third parties (property owners, residents, etc.) are informed of forthcoming work that is noisy, vibrates, may affect accessibility or may otherwise be disruptive. This applies to both planned and emergency works. Principles and forms for how information is to be provided must be drawn up in consultation with the Employer before the work starts. The Employer is the sender of all external communication relating to the project, which means that the Employer's graphic profile and templates must be used. The Employer must approve the form and content before distribution to households.

The contractor must participate in meetings and provide information on the implementation of the contract. The Employer is responsible for these meetings and invites the neighbours.

The contractor shall, in consultation with the Employer, make the work site available for visitors/study visits. The timing of visitors/study visits is decided in consultation with the contractor.

AFD.264 Information to road authorities etc.

The contractor shall report current traffic information according to TDOK 2017:0612 "Rapportering av vägarbeten som underlag för trafikinformation".

AFD.27 Notification of deviations etc.

Notification in accordance with ABT 06 Chapter 2, Section 10 shall be given in writing without delay. Notifications shall be submitted via the Notification System.

If the contractor notices a deviation in relation to the requirements set, the contractor shall without delay take measures to fulfil the requirements set. The contractor shall document the deviation and report to the Employer, including an account of the reason for the deviation and what lessons can be learned to avoid deviations in the future. If the non-conformity cannot be avoided and the requirements cannot be met, the Employer shall be notified without delay.

If the Employer recognises a non-conformity, the contractor shall, after being notified by the Employer, investigate without delay the possible effects of the non-conformity and the reason for its occurrence.

Any non-conformities shall be included in the final documentation and form the basis for the inspector's approval of the works.

AFD.28 Contractor's control

The time of the contractor's inspections during the warranty period shall be notified to the Employer one month in advance in order to give him the opportunity to participate.

In the event of an inspection, an inspection certificate shall be drawn up showing the scope of the inspection, the part of the installation inspected and the inspection results. Photographs are attached to the inspection certificate where this is necessary for the clarity of the inspection certificate.

AFD.3 Organisation

AFD.319 Organisation for cooperation

The works are to be carried out in co-operation between the parties and as otherwise provided for in the contract documents.

The parties shall staff their organisations with the resources and competences required for effective cooperation.

The Parties shall establish the joint co-operation bodies set out below. If necessary, the parties may also establish additional co-operation bodies during the construction period.

AFD.3191 Co-operation group

A co-operation group shall be established, consisting of key persons mandated by the Employer, the contractor, consultants and significant subcontractors. The purpose of the co-operation group is to ensure co-operation and progress of the works.

The co-operation group decides how often to hold meetings. The intention is that the group should meet more than once a month. The contractor calls the meetings.

The task of the co-operation group is to regularly discuss essential issues relating to the implementation of the works in line with the agreed co-operation plan. This includes, among other things, the coordination of the activities of the parties involved, the optimisation and allocation of resources and the close monitoring of schedules and budgets. The group should ensure that all parties have a common understanding of the objectives set and that any discrepancies or problems are quickly identified and effectively addressed.

AFD.3192 Steering Group

The Parties shall establish a Steering Group which, unless otherwise agreed, shall consist of each Party's representative and one additional person from each Party.

The Steering Committee shall meet once a month. The meetings are convened by the Employer.

The main tasks of the Steering Group include monitoring and evaluating the implementation of the contract in terms of time, quality and economy. It is responsible for regularly reviewing and adjusting these parameters to ensure that the contract is in line with the set objectives. In addition to this, the Steering Group will also manage any organisational changes as well as other strategic and horizontal issues related to the implementation of the contract. Furthermore, the steering group shall deal with conflicts that have not been resolved within the co-operation group.

AFD.3196 Co-operation leader

The role of the Co-operation leader shall be to support the parties in the co-operation process, which includes, inter alia, facilitating discussions at workshops and certain meetings and assisting the parties in their efforts to achieve the objectives of the co-operation. The Parties shall jointly determine the details of the role of the Co-operation leader.

AFD.32 Contractor's organisation

The organisation shall be presented and references provided at the contract review and shall be included in the project plan list of references after approval by the Employer.

If it is necessary to change the contractor's organisation during the construction period, the Employer must be informed in good time and must have taken note of the references and approved them.

The contractor shall be represented on site by a site organisation with a project manager (site manager or equivalent) in a management position and with the authority to make decisions regarding the work on site.

Key functions are expected to be clearly identified by name, responsibility and authority in the contractor's project plan.

Staff in a supervisory position, who speak and write Swedish or English, must be present on site.

Design

The contractor shall ensure that the required number of persons involved in or making decisions on the design and operation of the works (e.g. designers and technical managers) fulfil the following requirements:

- Completion of health and safety training for designers, which must not be more than five (5) years old at any given time.
- Experience in occupational health and safety risk work of similar complexity to the assignment in question.

The requirements must be fulfilled before the person starts work on the assignment and throughout the assignment period.

The contractor or the contractor's consultant proves that the requirements are fulfilled by submitting CVs and certificates of education, experience and competences are listed in a competence list.

Staff unsuitable for the contract

The contractor is obliged to promptly replace personnel who are unsuitable for the assignment, taking into account

- the staff does not comply with the Swedish Transport Administration's approach to ethical issues or the Swedish Transport Administration's code of conduct,
- staff are found to be under the influence of alcohol or drugs
- staff lacking the necessary experience and competence for the task ,
- that the personnel, where applicable, do not pass security clearance.

The contractor shall actively co-operate with the Employer in the investigation of the above conditions and provide the necessary information for the investigation. If requested by the contracting authority, the personnel in question shall not perform any work during the investigation.

The contractor shall demonstrate that the replacement has the required experience and competence and is otherwise suitable for the assignment.

Any delays and additional costs arising from the need to replace personnel shall be borne by the contractor.

AFD.33 Meetings

Detailed meeting schedule shall be developed jointly and may include meetings other than those mentioned under this heading.

The meeting plan shall also include staffing and frequency.

Meeting minutes shall be written in Swedish or English.
The notified body shall be given the opportunity to participate in meetings.

AFD.331 Initial meeting

The initial meeting shall take place before the start of the works.

AFD.332 Design meetings

The parties shall jointly decide in Phase 1 how and to what extent design meetings shall be held on the basis of the following.

An initial design meeting shall take place before design work commences.

The contractor invites the Employer to design meetings. The invitation shall state the issues to be discussed. Bas-P shall attend these meetings.

The contractor's design manager and subcontract manager (lead designer) for the relevant technical teams must attend design meetings.

The person responsible for digital project management for the Employer and the contractor must attend the first design meeting. The contractor's responsible person for digital project management shall present and submit a completed design description for digital project management that includes data coordination, BIM and GIS.

Design meetings shall take place to the required extent, as long as the design is ongoing.

AFD.333 Construction meetings

The contractor shall participate in construction meetings. The Employer calls the construction meetings.

The parties shall attend the construction meetings with a representative authorised to conclude financial agreements that may be discussed at the meeting.

AFD.338 Other meetings

Unless the parties agree otherwise during Phase 1, meetings shall be held at the intervals specified below.

Costing meetings for the determination of the Standard Cost.

Construction health and safety coordination meetings

Construction Health and Safety Coordination Meetings shall normally be held every two weeks. They are convened by the Construction Health and Safety Coordinator, Bas-U. The Employer must be invited to the meetings. Meetings must be documented by the convenor and the Employer must be notified of the minutes. Depending on the nature of the project, the construction work environment coordinator may, in agreement with the Employer, decide on a different frequency for these meetings.

The previous Bas-P shall be called to a meeting to hand over identified health and safety risks to the contractor's Bas-P/U, so that the risks can be managed in future phases. The meeting shall be conducted as agreed with the Employer.

After completion of the contract, the contractor's Bas-P/Bas-U shall hold a meeting with the Employer to hand over identified health and safety risks to the Employer's management organisation.

Electrical safety issues as well as planning and coordination for disconnection, implementation and connection for work shall be included.

Planning meetings

Planning meetings are held to review and agree on procedures for orders and material deliveries. The meeting is attended by representatives from the Employer, contractor and the Swedish Transport Administration Purchasing and Logistics.

Connection meetings

The contractor must participate in commissioning meetings. The Employer calls the meetings. The contractor's site manager and the contractor's inspection organisation must attend.

EHS meetings

EHS meetings (environment health and safety) are held once a month or at intervals decided in consultation with the Employer depending on the stage. Participants include representatives from the Employer, site supervisors in each subject area, etc. Bas-U and from the contractor responsible for quality, environmental and health and safety work.

The Employer convenes the meeting and takes notes.

If necessary, EHS meetings are divided into meetings that deal with each subject area.

Network coordination meetings

All network owners according to AFA.15 Network owners, shall be invited to a first management coordination meeting within one month after the planned start meeting. The contractor shall have called the relevant network owners in good time before the start meeting.

During the design and production phase, the contractor shall hold management coordination meetings with the grid owners concerned. The contractor convenes meetings and keeps minutes. The Employer is invited to meetings.

Finance meetings

Financial meetings shall be held between the parties once a month for ongoing follow-up of the issues regulated in EK § 6. The contractor shall participate with representatives authorised to make decisions on financial matters.

Other meetings

Held to the extent that the contractor and Employer jointly agree.

AFD.34 Project management, labour management and employees

The parties shall in Phase 1 jointly develop rules for project management, supervision and employees based on the following.

Personnel shall have competence as stated in TDOK 2018:0371 "APV Kompetens i upphandlad verksamhet - Entreprenad och Projekteringstjänster".

Personnel who have and perform tasks that affect safety when working in and in the immediate vicinity of the Swedish Transport Administration's railway facilities must fulfil the requirements in TDOK 2018:0015 "Generella Trafik- och elsäkerhetskrav för järnväg".

The contractor's environmental coordinator and those who carry out the work of following up the requirements in TDOK 2012:22 "Trafikverkets krav för Material och varor - krav och kriterier avseende innehåll av farliga ämnen" and TDOK 2010:310 "Kemiska produkter – granskningskriterier och krav för Trafikverket" must have completed the training courses "Hazardous substances in materials and goods" and "Farliga ämnen i material och varor" before the contract work begins, see the Swedish Transport Administration's website, search term "Trafikverksskolan".

The contractor shall follow Technical Safety Management Track according to TRVINFRA 00271 throughout the process.

All staff present in the track area must be able to show valid authorisation/certificate and identification upon request.

The staff used by the supplier as traffic and electrical safety functions shall fulfil the training requirements, competence requirements and personal suitability requirements set out in

- TDOK 2014:0230 "Trafikverkets kompetenskrav för tillträdes- och trafiksäkerhetsfunktioner"
- TDOK 2014:0994 "Kompetenskrav för personal som arbetar på och nära Trafikverkets starkströmsanläggningar"

The supplier's safety plan must state which persons will be safety officers. The Employer shall be notified of valid authorisation/certificate before operational work in the track area.

The Employer provides the assessor and the commissioning manager signal.

The assessor and/or inspector shall have authorisation requirements according to:

- TDOK 2021:0309 "Säkerhetsbesiktning – behörighetshantering" and
- TRVINFRA-00271 "Teknisk säkerhetsstyrning"

and the regulations specified therein. Authorisation shall be issued by the infrastructure manager.

The overhead contact line commissioning inspector shall fulfil the requirements in TRVINFRA-00160.

The contractor's supervisor shall have such technical track competence that he can, after extensive track work, carry out an inspection of the track's navigability for trains in accordance with TDOK 2015:0309 "Trafikbestämmelser för järnväg", module 12 A protection. If the supervisor lacks the track technical training, the contractor shall appoint a special inspector.

When carrying out work affecting stability in the track and track area, the requirements according to TRVINFRA-00220 "Behörighet BASTAB vid stabilitetspåverkande arbete" apply.

The training and competence of the employees shall be presented to the Employer on request.

The contractor shall be able to prove the qualifications of appointed natural persons according to § 6 AFS 1999:3 including comments.

Competence requirements shall be fulfilled in accordance with TDOK 2013:0609 "Certifierade spårsvetsentreprenörer vid Trafikverket".

For personnel who are newly employed or reassigned to the contract, the contractor must be able to demonstrate/document the same competence profile as was evaluated in the tender evaluation during the contract period.

For specialised personnel, the contractor must be able to prove the required competence or provide current references.

AFD.341 Project management

The design organisation must have a person responsible for digital project management. The person responsible for digital project management must have completed basic training in the Project Portal PP and the Swedish Transport Administration's adaptations of ProjectWise PDB and be familiar with the governing documents.

AFD.342 Labour management

The contractor must be able to demonstrate the required competence for work management personnel with specialist expertise.

Supervisors who have and lead safety-affecting tasks in the work in the Swedish Transport Administration's railway facility must fulfil the requirements in TDOK 2018:0015 "Generella trafik- och elsäkerhetskrav för järnväg".

Personnel with supervisory and/or coordinating roles must have a good command of spoken and written Swedish or English as agreed with the Employer. This also applies to subcontractors engaged by the contractor.

Labour management shall be able to demonstrate an equivalent competence profile as approved in the tender evaluation.

AFD.343 General provisions on identification and attendance, ID06

The text in AMA AF 12 under this code and heading is deleted and replaced with the following:

For all works in the contract, "ID06 General Provisions" applies, <http://www.id06.se>.

ID06 applies to the contract.

The Employer is entitled to check that persons at the workplace are pre-registered, carry a visible valid ID06 card, have registered in the personnel register and carry valid identification.

The Employer or a representative appointed by the Employer may reject persons who have not been pre-registered, do not have valid identification or a valid ID06 card or residence and work permit.

Card readers used for entry must be programmed so that the same card cannot be used several times without a time delay.

The contractor must not have automatic logout in the personnel register. Each individual shall log out when they leave the workplace.

AFD.345 Electronic personnel register

The contractor must assume all obligations regarding electronic personnel ledgers in accordance with Chapter 39, Sections 11b and 12 and Chapter 7, Sections 2a and 4 of the Tax Procedure Act.

Any inspection visits linked to the law on electronic personnel ledgers must be immediately announced to the Employer and the results reported at the next construction meeting.

AFD.346 Employees

After the initial meeting, the contractor must have held a meeting with an employment agency (e.g. the Swedish Public Employment Service, municipal labour market administration, Galaxen Bygg or other actor with similar assignments/services). Contact details for employment agencies can be found on the Swedish Transport Administration's website, search term "Sysselsättningskrav i upphandlingar". During the meeting, the possibilities of employing unemployed persons within the contract must be discussed.

For meetings and other requirements relating to employment, the contractor must comply with the detailed regulations agreed by the parties or set out in TDOK 2017:0444 "Sysselsättningskrav och åtgärder".

The fact that the meeting has been carried out shall be accounted for by the contractor with the support of receipts from the selected employment agency.

AFD.349 Other regarding labour management and employees

AFD.3491 Labour law conditions

Labour law conditions based on collective agreements

Contractor's commitment:

- The contractor shall perform the contract in accordance with the labour law conditions applicable from time to time regarding wages, holidays and working hours in TDOK 2020:0262 "Arbetsrättsliga villkor enligt kollektivavtal". The labour law conditions in TDOK 2020:0262 are referred to as the "Conditions".
- The contractor shall ensure that the Conditions are also fulfilled by hired subcontractors, regardless of the number of intermediaries, and have procedures for how this is to be done. The contractor must also ensure that these subcontractors participate in follow-up.
- The obligation applies to employed workers when they perform work under the contract. The workers or work covered by the labour law conditions are stated in the Conditions. The obligation applies to work covered by Swedish labour legislation.

The contractor can fulfil the Conditions for wages, holidays and working hours in the following ways

- by applying the Conditions
- by being bound by and applying a centralised collective agreement that applies throughout Sweden to equivalent employees in the industry in question or a local agreement based on this agreement,
- by applying the terms and conditions for wages, holidays and working hours in a central collective agreement that applies throughout Sweden to corresponding employees in the industry concerned without being bound by it, or
- by being an Employer covered by a posting situation under the Posting of Workers Act (1999:678) and applying conditions on pay, holidays and working hours in accordance with a Swedish collective agreement for posting which can be found at www.arbetsmiljoverket.se.

The above points also apply to any subcontractors, regardless of the number of intermediaries.

Adjustment of the Terms and Conditions:

- During the contract period, the collective agreement on which the Conditions are based may be renegotiated by the parties to the collective agreement. If the collective agreement is renegotiated, the Conditions are adjusted. The adjustment may relate to

wages, holidays and working hours, for example the wage levels to be applied. Adjusted Terms and Conditions are set out in TDOK 2020:0262 "Arbetsrättsliga villkor enligt kollektivavtal".

- Adjusted conditions are also stated in the collective agreements that the contractor is bound by or applies without being bound by, or in the collective agreements for posting that can be found at www.arbetsmiljoverket.se.

Labour law conditions according to the ILO core conventions

The production and transport of goods used in the contract must take place under conditions that are compatible with the fundamental rights of workers in the supply chain. Where there is a difference between national and international regulations, the highest applicable level of requirements applies. For materials and transport ordered via the Swedish Transport Administration Purchasing and Logistics, the Employer is responsible for meeting the requirements.

The contractor must have procedures to ensure that the goods have been produced and transported under conditions that are at least compatible with:

- The UN Universal Declaration of Human Rights,
- ILO core conventions on forced labour, child labour, discrimination and freedom of association and the right to organise (No 29, 87, 98, 100, 105, 111, 138 and 182),
- Article 32 of the UN Convention on the Rights of the Child
- the labour legislation applicable in the country of manufacture
- labour law, including minimum wage legislation, and social security protection applicable in the country of manufacture
- the environmental legislation in force in the country where the work is carried out; and
- the United Nations Convention against Corruption.

The procedures should at least include:

1. The basic labour rights requirements imposed on suppliers and all subcontractors. These must at least correspond to the requirements that apply under this code and heading.
2. How work is done to regularly identify and prioritise current and potential risks of non-compliance with labour law requirements, i.e. a risk analysis. The risk analysis must include a mapping of the supply chain with particular attention to high-risk operations.
3. A description of how control is carried out and dialogue is conducted with subcontractors.
4. Schedule for control and dialogue with suppliers and subcontractors identified as high-risk activities in the risk analysis according to point 2.
5. How deviations are handled.

Follow-up of labour law conditions

The Employer is entitled to follow up that the contractor fulfils its obligations. The follow-up may take place in different stages; self-reporting and audit.

At the request of the Employer, the contractor shall, within 2 weeks of receiving the request, report how the labour law conditions are complied with. The report is submitted in form TMALL 1009 "Leverantörens självskattning". The contractor must submit the report stated on the form and be able to provide evidence of the information provided on request.

The contractor shall enable the Employer to carry out audits, whether announced or unannounced, at the contractor's premises and/or those of its subcontractors, either personally or through an agent, in order to ensure that the contractor fulfils its obligations and that the terms and conditions of labour law are complied with. In connection with an audit, the contractor shall provide the information and documentation needed to check that the terms and conditions of labour law are complied with.

If the contractor does not participate in the follow-up or if there are deficiencies in the documentation to be provided, rectification shall take place within the time determined by the Employer. In the event of non-compliance with the labour law conditions, the contractor shall remedy this according to a timed action plan prepared by the contractor and approved by the Employer. The action plan shall be prepared within the time determined by the Employer.

If the contractor seriously fails to comply with labour law conditions for employees or if the contractor does not take action regarding non-compliance within the agreed time, the Employer has the right to terminate in accordance with EK § 8.1.

AFD.3492 Anti-discrimination

The contractor shall, no later than one month after the contract comes into force and thereafter once every twelve months, submit the following information and documents to the Employer:

- Employers who at the beginning of the calendar year employed 25 or more employees shall submit documentation of their work with active measures in accordance with Chapter 3, Section 13 of the Discrimination Act. Employers who at the beginning of the calendar year employed between 10 and 24 employees must submit documentation of their work on pay surveys in accordance with Chapter 3, Section 14 of the Discrimination Act. Employers who employ fewer than 10 employees must instead submit information on the number of employees at the end of the last year to prove that work on active measures does not need to be documented.

The contractor shall, at the Employer's request, submit the following information and documents to the Employer annually during the contract period:

- TMALL 0998 Sanningsförsäkran antidiskriminering” stating whether the contractor or any employee for whom the contractor is responsible, in the performance of this contract, has been found by a final judgement to have violated any penal provision or prohibition against discrimination under applicable law.

AFD.35 Subcontractors

The parties shall jointly develop rules for subcontractors in Phase 1 based on the following.

The contractor must provide the names, contact details and legal representatives of any subcontractors, other than suppliers of goods, used. This information must be provided before the contractor starts the performance of the contract. The contractor shall inform the Employer of any change in this information during the contract period and shall consult the Employer on the choice or change of subcontractor.

The contractor shall continuously during the contract period report and check the contract's subcontractor chain (subcontractors including all stages of the subcontractors' subcontractors) in order to counteract undeclared work and promote fairer competition by, for example, checking the company form, tax form, VAT and Employer registration, Employer contributions, debts with the Swedish Enforcement Authority or the Swedish Tax Agency, auditor's notes, etc. Checks on foreign companies must be made on the foreign organisation number with regard to available information from the home country at Swedish credit institutions and checks on the foreign company's Swedish tax number, branch number or coordination number. The check can be made via ID06 Company Declaration, <https://www.id06.se>, or equivalent control system that the contractor has.

The contractor must register the contract in ID06 “Bolagsdeklaration digital förnamälan” or equivalent control system, and give the Employer access to information about the contract's entire subcontracting chain by inviting the Employer's representatives to the system. If the contract consists of several projects that have different electronic personnel registers, each such

project must be registered in the above-mentioned system and linked to the Employer. Projects are registered by the contractor in the ID06 Company Declaration using the Swedish Tax Agency's construction site ID and are thus automatically linked to the electronic personnel ledger.

The content of the ID06 Company Declaration, or equivalent control system, must be reported by the contractor to the Employer no later than one month after the start meeting and then monthly during the contract period. If deviations (regarding company form, tax form, VAT and Employer registration, Employer contributions, debts with the Swedish Enforcement Authority or the Swedish Tax Agency, auditors' notes, etc. If measures are not taken within the agreed time, the Employer has the right to terminate in accordance with EK § 8.1. If the contractor has employees or uses subcontractors with employees from countries outside the EU, the contractor must submit proof from the Swedish Migration Board that these persons have approved residence and work permits before the work begins. The certificate must be issued no earlier than 2 weeks before this is submitted.

The contractor must continuously check that subcontractors who are based and registered in countries other than Sweden have notified the company, the project and the persons registered in the personnel register to the Posting Register at the Swedish Work Environment Authority.

The contractor must notify the Swedish Transport Administration of the persons who will be carrying out work where classified information is handled or security-sensitive activities are otherwise conducted. These persons may need to undergo security clearance in accordance with the provisions of the security agreement. Security clearance must cover every person who is to have access to such information or participate in such activities, regardless of whether the person is subject to a register check under the Security Protection Act (2018:585) or not.

During the contract period, the subcontractor may not be subject to any circumstances that, under current procurement legislation, entail an obligation or right for a contracting authority to exclude a supplier from the procurement. If the Employer so requests, the contractor shall submit certificates and other supplementary information that the Employer needs to check whether there are grounds for exclusion of the subcontractor.

The subcontractor must not be subject to EU sanctions (e.g. against Russia and Belarus) during the contract period. If the Employer so requests, the contractor must submit certificates and other additional information that the Employer needs to check whether EU sanctions exist.

If the subcontractor is subject to exclusion grounds or EU sanctions as described above, the contractor shall, on its own initiative or at the request of the Employer, immediately refrain from further transactions with the subcontractor and replace the subcontractor with another one acceptable to the Employer according to the requirements of the contract.

AFD.36 Control by the Employer

In cases where the Employer's control cannot be verified by calculation or by testing, inspection may be used. In the case of control by inspection, the observation and inspection certificates from tests from the current stage to which the inspection relates shall form the basis for the inspection certificate.

The parts of the inspection programme that take into account the Employer's and contractor's risk assessment, see AFD.22, shall be approved by the Employer.

The Employer will carry out random checks. The contractor shall agree on the right of the Employer to exercise factory control during manufacture or before delivery of factory-made components.

The Employer will carry out a trial run and functional check of the entire plant before it is handed over for commercial operation. The trial operation may last up to 12 months. The contractor must ensure that the necessary resources are available to rectify any deficiencies identified during the trial run.

If the contractor's checks that form the basis for the verification do not agree with the checks made by the Employer, the parties may commission an independent expert or accredited inspection body to review the checks and possibly supplement them. A certificate from an independent inspection showing fulfilment of requirements forms the basis for verification.

Workplace inspection (APK) is carried out by the Employer carrying out an inspection of traffic and electrical safety with regard to safety and security planning, protective measures, documentation, competence, vehicles and heavy track-bound work equipment. For more information, see the Swedish Transport Administration's website, search term "Kontroll av arbetsplatser".

The Employer's control of the work environment and safety at construction sites is also carried out in other ways than via APK.

The contractor shall provide the necessary equipment and aids for inspection.

AFD.37 Coordination

AFD.371 Coordination of works

With amendment of ABT 06 Chapter 3, Section 9, the contractor shall be responsible for the coordination of his own, the Employer's, subcontractors' and others' work as reported under AFD.131 and other emerging work carried out in the work area. It is the contractor's responsibility to submit documentation to enable coordination of the works of the contractor, subcontractors and other works (AFD.131).

It is the Contractor's responsibility to co-ordinate, plan and carry out the work included in the construction documents submitted by the Employer for BEST.

It is the Contractor's responsibility to co-ordinate and submit the documents required for the construction of the buildings provided in accordance with AFD.1522.

The parties concerned must be notified in good time when the works can be carried out and must be completed at the latest.

AFD.38 Diary

In addition to AMA AF 12, the following applies.

The contractor shall keep a diary which shall be in digital format. The Employer shall have access to the diary when the Employer so wishes.

The diary shall also contain the information agreed by the parties in Phase 1. For example, the following information.

15. Rounds carried out (work environment, road safety, electrical safety, environment)
16. Deviation in the schedule
17. Cables and wires found
18. Named individuals in the workforce

Separate diaries shall be kept for civil engineering and earthworks and shall be divided by work breakdown structure (WBS).

The contracting authority is entitled to include in the diary additional information or information of value for the future. In case of disagreement, the opinion of both parties shall be recorded.

Entries made in the diary do not include notification of ÄTA work, need for time extension or other similar circumstances.

AFD.39 Measurement

With amendment of ABT 06 Chapter 3, Section 14, measurements shall always be taken to determine the scope of the work performed and measurements shall be carried out by the contractor.

The Employer shall be given the opportunity to be present at each measurement according to the procedure established by the parties.

Measurement shall form the basis for invoicing and index calculation.

Measurement refers to the valuation of work performed according to Earned Value Management follow-up and shall be related to the payment plan items specified in the schedule. Work associated with the respective design part, construction document and final documentation must be carried out and be verifiable.

The contractor shall compile and present measurements in accordance with what was agreed in Phase 1.

AFD.4 Times

AFD.41 Time schedule

For the execution of the contract, the times specified in EK § 4 shall apply.

The contractor draws up the timetable.

The schedule must include design and execution and be resource and cost-based and be sufficiently detailed to provide a basis for risk assessment regarding the times in the above paragraph, and provide a basis for monitoring progress and enable earned value monitoring.

The schedule must at least show when time-critical deliveries and work will take place, as well as deliveries of documents that are important for the implementation of the contract. Dependencies on external approvals, permits and notifications to the municipality, county administrative board, authority, management owner or similar must also be stated. The schedule must also show the deliveries and activities of the work, with start and end dates. The activities in the design and production schedule must be linked with logical dependencies, which means that it is easy to calculate the critical line.

Notification times for the Employer, important notifications and decisions must be agreed with the Employer and included in the schedule.

The schedule should also include major purchases, coordinated tests and inspections.

A prepared schedule shall include times for traffic-impacting measures as well as partial times for access to various work areas by subcontractors.

It must be possible to read the items of the payment plan in the timetable so that reconciliation of the timetable can serve as a basis for valuation of the work performed.

The schedule must also show the production and latest delivery dates for construction documents and final documentation to be reviewed. Final documentation also includes management data.

Required times for control, review and/or technical delays such as downtime etc. must be incorporated into all planning and reported in the schedule.

The schedule for ordering and delivery of technically approved material shall be drawn up by the contractor in consultation with the Employer, both that provided by the Employer and others. Documentation for the timetable in the form of delivery times for materials is obtained from the Swedish Transport Administration Purchasing and Logistics.

The timetable must show the time for design, construction and validation and, if applicable, the time for submission of the protocol from the commissioning inspection, in accordance with the requirements in TDOK 2014:0072 "Trafikverkets interna hantering av Transportstyrelsens godkännandeprocess för järnväg".

The timetable shall be followed up and show the current status during the course of the project and be delivered to the Employer every month. The degree of processing per activity must be reported. There must be a reconciliation line showing current progress, compared to expected.

The following formalities for the timetable apply:

- It should be deliverable in XER, XLS or XLM format and as PDF.
- All activities with dependencies should be linked.
- Critical lines should be shown.
- It must be broken down into activities that allow monitoring of progress.
- The latest version of the schedule approved by the Employer must be shown to be able to see changes in the progress of the assignment (Original schedule function or equivalent)

The approved contractual schedule constitutes the initial baseline of the contract and is followed up jointly on a continuous basis for monthly monitoring.

AFD.42 Commencement time

The contract works are commenced in accordance with EK § 4.1, provided that the contract has entered into force

However, construction may not begin before the railway plan and environmental judgement have become final without the written approval of the contracting authority.

AFD.44 Milestones

As stated in the works contract § 4.3, the parties shall agree during Phase 1 on milestones for the construction. The following milestones are mandatory and shall be included.

1. Non-linear power shall be ready and energised for supply to all parts of the works within the contract no later than 18 months before final inspection.
2. The works shall be completed so that the start of the commissioning inspection and all self-inspections, FOMUL measurement of the railway facility, loaded track measurement and dynamic measurement of the overhead contact line, are carried out no later than 6 months before the final inspection.
3. Commissioning inspection shall be completed and all certificates signed and handed over to the Connection Manager no later than 3 months before final inspection.

AFD.45 Completion times

See works contract § 4.4.

The date for final inspection is no later than 2034-11-30.

AFD.46 Change of contract period

Notification of obstacles according to ABT 06 Chapter 4, Section 4 shall be submitted in writing. Notification shall be submitted via the Notification System.

AFD.47 Guarantee period**AFD.471 Guarantee period for the works**

With amendment of ABT 06 Chapter 4, Section 7, the guarantee period shall be five years for both the contractor's work performance and materials and supplies, including special materials or supplies prescribed by the Employer.

AFD.472 Special goods guarantee

The contractor shall submit to the Employer a copy of the guarantee certificate for the materials and supplies included in the works.

The contractor shall submit to the Employer copies of guarantee certificates for materials and supplies included in the works for which the contractor has obtained or obtains a longer guarantee period than that otherwise applicable under the contract.

AFD.5 Liability and rectification of defects**AFD.53 Liability to third parties****AFD.531 Inspection in neighbouring area**

Inspection shall take place within the risk area for the contract and is carried out by the contractor.

The Employer as well as the affected property owner, municipality, utility owner and road association shall be given the opportunity to participate in the inspection.

AFD.54 Insurance

With amendment of ABT 06 Chapter 5, Section 23, the following applies:

The Employer purchases and provides Employer-controlled construction insurance for the entire project period, including the guarantee period. The project insurance includes all-risk and liability insurance for the construction activities intended in the project. The Swedish Transport Administration's insurance terms and conditions are set out in AF Appendix 8 and AF Appendix 9.

Some parts will be expanded in terms of conditions and insurance amounts. The conditions in AF Appendix 8 and AF Appendix 9 will not be restricted or reduced.

The contractor and its subcontractors on the project are co-insured.

The Employer's insurance as described above is subject to deductibles and exclusions from coverage. In the event of an insured event for which the contractor is contractually responsible or otherwise liable, the contractor shall bear the cost himself and in full up to the contractor's deductible.

The following deductibles may apply:

- All risk contracting tunnelling works 2,0 MSEK
- All risk construction insurance 1,0 MSEK
- Construction liability insurance SEK 1.0 MILLION
- Personal injury liability insurance 0 SEK

If the above-mentioned insurance does not cover all or part of the damage incurred, the contractor shall bear his own costs and pay compensation himself and in full to another injured party for damage for which he is contractually responsible or otherwise liable to pay compensation.

If the contractor fails to pay such compensation or otherwise fails to fulfil his obligations under the contract documents, the Employer shall be entitled to fulfil such obligations at the contractor's expense and thereafter to recover the amount from the contractor.

All other costs incurred by the Employer in connection with insurance claims arising from the contractor's contractual liability shall be borne by the contractor.

AFD.542 Insurance for particularly hazardous works

AFD.543 Insurance for existing property

AFD.5431 Insurance of the builder's existing property

AFD.55 Responsibility for fire protection

The contractor is responsible for all fire protection in the works.

The contractor shall perform fire protection checks in designated buildings and facilities.

Control points for fire protection during construction shall be checked. The results of the checks shall be recorded in an appropriate system.

AFD.551 Responsibility for flammable hot work

AFD.5512 Contractor's permit holder

The contractor's permit officer shall have competent training and experience in fire protection. The contractor shall produce on request certificates of training completed by the relevant personnel.

AFD.5513 Coordination of authorising officers

AFD.6 Financial conditions

Financial conditions are stated in EK § 6.

AFD.7 Inspection

AFD.71 Construction surveys

AFD.711 Inspection plan

Inspections shall be carried out in accordance with the inspection plan drawn up in consultation between the parties

AFD.712 Pre-inspection

Pre-inspections shall be included in the jointly established survey plan.

In connection with the pre-inspection, the notified body shall be given the opportunity to carry out its site inspection.

AFD.713 Final inspection

The contractor shall notify the Employer in writing, no later than eight (8) weeks prior to completion, of the date on which the works as a whole will be available for final inspection.

Before the final inspection takes place, the required documentation from the notified body certifying conformity for the subsystems concerned shall be submitted to the Employer.

AFD.714 Warranty inspection

The Employer is entitled to request a warranty inspection before the end of each specific warranty period.

The records of the measurements during the warranty period of the roadway's settlements, cracks and unevenness as well as the falling weight measurement on the roadway shall form the basis for assessing whether there is a defect during the warranty inspection. When assessing whether a defect exists, it shall be considered whether the measurements and observations show that the development of degradation is such that the design life can be deemed to be achieved.

AFD.79 Other inspections

Commissioning inspection

Prior to test operation, the commissioning inspection shall be carried out in accordance with TRVINFRA-00271 "Teknisk säkerhetsstyrning" and underlying regulations.

After each occasion that the track has been open for work, inspection and control shall be carried out in accordance with TDOK 2015:0309 "Trafikbestämmelser för järnväg", module 12 A-protection chapter 4 and 5.6, 13 L-protection chapter 4 and 14 S-protection, chapter 4.

The contractor shall ensure before putting the railway infrastructure into service that

- the Employer has taken the decision to start commissioning.
- approval has been obtained for the commissioning of the subsystems concerned in accordance with TSFS 2022:47 "Transportstyrelsens föreskrifter om Transportstyrelsens föreskrifter om ansökan om godkännande av fasta installationer på den svenska delen av Europeiska union-ens järnvägssystem" and TDOK 2014:0072 "Trafikverkets interna hantering av Transportstyrelsens godkännandeprocess för järnväg".

The contractor shall provide the necessary expertise to ensure the required checks and inspections.

Commissioning inspection of overhead contact line in accordance with ELSÄ-FS 2008:1 to ensure that the facility can be taken into use for test operation.

The Employer is entitled to call the contractor to the commissioning inspection of the work performed by another contractor on the railway facility. The costs for this are paid separately.

Commissioning inspection of signalling installations shall be carried out in accordance with the requirements in TDOK 2014:0488 "BVF 544.94001 – Teknisk säkerhetsstyrning signal, Arbeta med signalanläggningar".

Performed by the Swedish Transport Administration.

Assistance for the IBTL/breaking inspection of signals is provided by the contractor.

The contractor shall coordinate his work so that all inspection and validation of the facility can be performed. This shall be addressed in the contractor's schedule.

The contractor's certificates for all parts of the installation that affect train operation shall be submitted to the connection manager in connection with the commissioning inspection, the contractor reports the status of the installation and verifies that the installation can be put into service. The certificates are delivered for signature at connection meetings by the connection manager.

AFD.8 Termination

Conditions for termination are stated in EK § 8.

AFD.9 Dispute resolution

The conditions for dispute resolution are set out in EK § 9.

AFG PUBLIC WORKS AND UTILITIES

AFG.1 Establishment of the workplace

The following applies within the work area:

The layout of the work area, areas for establishment and access routes shall be described in the workplace deployment plan (WPP).

AFG.11 Location of public utilities

Placement of public utilities shall be carried out in consultation with the Employer and any property owners concerned.

The erection of sheds, machines etc. within the railway area shall be carried out in accordance with TDOK 2016:0289 Säkerhet vid aktiviteter i spårområde".

AFG.12 Site huts

AFG.1244 Office huts at the establishments

The contractor shall provide the Employer with office, meeting and changing rooms at establishments as agreed with the Employer.

The contractor is responsible for operation and maintenance and cleaning.

AFG.129 Joint project office

The Employer will hold premises for a joint project office at the Swedish Transport Administration in Nyköping municipality. The parties will have a joint project office. Further needs for premises are agreed by the parties.

AFG.13 Temporary road and plan

A private road or private property may not be used by the contractor as a temporary road and level without the road owner or property owner having given their written permission and a survey having been carried out, which shall form the basis for calculating any compensation. This applies to both existing private roads and private roads built under the contract.

The Employer as well as the municipality, property owner or road association shall be given the opportunity to participate in the inspection.

The Employer and the subcontractors specified in AFD.131 shall have the right to use all roads within the work area throughout the construction period for the transport of materials and people.

AFG.131 Temporary road and subcontractor plan

AFG.132 Temporary road and plan provided

Rest area and parking bays may be used to store materials, work equipment and vehicles. The stored materials, work equipment and vehicles shall be screened with *X3 Marking screen for side obstacles, speed bumps, etc.* If the entire site is used, road signs for the site shall be covered, e.g. road sign E19 *Parking*.

AFG.14 Temporary electricity and water supply etc.

AFG.16 Temporary signage and temporary orientation board

Any erection of signage with the names of the Employer and contractors shall be done in consultation with the Employer.

The contractor is responsible for applying for and obtaining permits and for applying for and paying for any building permits.

AFG.17 Temporary flagpole

Any erection of a temporary flagpole shall be done in consultation with the Employer.

AFG.2 Surveying and setting out

Consultation on measurement issues shall take place with the responsible measurement engineer named by the Employer.

AFG.21 Measuring equipment

AFG.23 Setting out

AFG.3 Protection etc.

AFG.31 Protection of labour and property etc.

AFG.311 Protection of labour

AFG.312 Protection of cables, measuring points, etc.

The contractor must request cable instructions from "Ledningskollen", <https://www.ledningskollen.se>, in good time and no later than two weeks before the work begins.

All existing cables belonging to the Employer and affected by the work must be replaced by the Employer. The Employer will pay for a replacement. The contractor is responsible for ensuring that existing cable installations affected by the works are protected and can be kept in operation during the construction period and are accessible to a normal extent. Cable replacement via the Employer is requested Ledningskollen, <https://www.ledningskollen.se>.

If work such as digging, excavation, drilling and piling is planned next to the Employer's optical and copper cable, the time for the work must be notified to the Swedish Transport Administration ICT NOC at least five (5) working days before commencement. Notification must be made primarily by e-mail to noc@trafikverket.se and secondarily by telephone on +46 26 14 40 10.

If earthworks are planned within 2 metres of a marked cable route, the excavation work must be carried out with such care that existing cables and other installations are not damaged.

Where work is carried out in the vicinity of existing cables, the cable owner must be consulted about taking appropriate measures for cables.

Existing markings such as boundary points and stub points etc. must not be disturbed. If stub points have to be moved for the sake of the works, the Employer shall be informed in good time.

Well-functioning insurance markings (red hedge/well ring) must be organised at stub points. The documentation of existing lines (including cables) is not precise. Deviations of less than 2.0 m may be considered normal. For this reason, a stake-out should always be requested for excavation work in the vicinity of cables.

Electricity, telecommunications, signalling and water supplies may not be interrupted except for short, agreed and pre-notified interruptions. The contractor is responsible for repairing or replacing damaged lines and repairing damaged trenches.

When working in the vicinity of a gas pipeline, the pipeline owner's rules and regulations must be followed. Any costs for deployment, inspection or other presence at the contractor's work that are not carried out free of charge are paid by the contractor.

AFG.313 Protection of vegetation

To avoid damage, the contractor should protect trees, shrubs and other vegetation worthy of preservation. This applies to the trunk as well as the root zone, if applicable. The contractor makes an inventory of the plants to be retained in consultation with the Employer.

Nailing in tree trunks, fastening or similar that can damage the bark of the trees must not occur.

Designated protected natural value objects located within or adjacent to the work area must be fenced in. All fencing of protected areas must be carried out in such a way that trees and vegetation in the area are not damaged during fencing or during the construction period.

AFG.314 Protection of ancient monuments

Ancient monuments shall be investigated and removed by archaeological excavation before The contractor gains access to the work area

In the event of the discovery of an archaeological site, archaeological objects, formations, etc., the work must be stopped and the Employer notified immediately. The work may not be resumed until authorisation has been obtained. The Employer is responsible for all costs incurred by archaeological investigations.

AFG.315 Protection of property

The contractor shall carry out the works in such a manner that no inconvenience arises for property owners or properties, for example through noise, vibrations, dust or splashing. For all work involving such risks, properties located within the assessed risk distance shall be inspected and monitored. The inspection and monitoring shall include a pre-inspection, continuous monitoring and a post-inspection. This work shall also ensure that buildings of cultural and historical value retain their functions and qualities both during execution and after completion.

The contractor and the employer shall jointly determine which properties are affected, the scope of the inspection work, the methods to be used, and the responsibility for carrying out the work. If the contractor is to be responsible for performing the above-described monitoring and inspection, the contractor's control programme, including the associated control plans, shall present the necessary information to verify that no inconvenience arises.

AFG.316 Temporary fencing

It is the contractor's responsibility to provide fencing between the work area and the road and between the work area and the railway during operation. Requirements of authorities or land-owners for temporary fencing shall be met.

AFG.32 Protective devices

AFG.34 Noise barriers

Airborne noise from construction activities during the construction phase shall, as limit values, be restricted so that the equivalent outdoor noise level at the façade does not exceed:

- 60 dB(A) at dwellings and workplaces with quiet activities, Monday–Friday (non-holiday) 07:00–19:00
- 60 dB(A) at schools, Monday–Friday (non-holiday) 07:00–19:00
- 50 dB(A) at dwellings, Monday–Friday (non-holiday) 19:00–22:00
- 50 dB(A) at dwellings, Saturdays, Sundays and public holidays 07:00–19:00
- 45 dB(A) at dwellings, Saturdays, Sundays and public holidays 19:00–22:00
- 45 dB(A) at dwellings, all days 22:00–07:00

The equivalent noise level shall be calculated over the period during which the noisy work activities take place.

In addition, the maximum outdoor noise level may not exceed 70 dB(A) at dwellings and healthcare facilities during all nights 22:00–07:00.

Structure-borne noise from construction activities during the construction phase shall, as limit values, be restricted so that the equivalent indoor noise level does not exceed:

- 45 dB(A) in dwellings and workplaces with quiet activities, Monday–Friday (non-holiday) 07:00–19:00
- 45 dB(A) in schools, Monday–Friday (non-holiday) 07:00–19:00
- 35 dB(A) in dwellings, Monday–Friday (non-holiday) 19:00–22:00
- 35 dB(A) in dwellings, Saturdays, Sundays and public holidays 07:00–19:00
- 30 dB(A) in dwellings, Saturdays, Sundays and public holidays 19:00–22:00
- 30 dB(A) in dwellings, all days 22:00–07:00

For construction traffic, the guideline values for traffic noise apply in accordance with the Infrastructure Proposition 96/97:053 and TDOK 2014:1021:

- 30 dB(A) equivalent indoor noise level (24-hour)
- 45 dB(A) maximum indoor noise level at night
- 55 dB(A) equivalent noise level at outdoor living areas
- 55 dB(A) equivalent noise level at façade
- 70 dB(A) maximum noise level at outdoor living areas adjacent to dwellings

Phase 1

The contractor shall, in Phase 1, prepare a construction noise assessment.

Before construction begins, the contractor shall perform calculations of airborne noise and structure-borne noise to demonstrate compliance with the limit values and to determine whether adapted construction methods or noise-mitigating measures are required. If such measures are required, they shall be implemented and paid for by the contractor.

The assessment shall be directly linked to the planned works and based on the work activities to be carried out and the machinery to be used. The assessment shall include all noisy activities that will occur in parallel. It is essential that the documentation contains sufficient information to enable subsequent verification that the executed works correspond to the assumptions used in the calculations.

For airborne noise calculations, the following methods shall be used: General Prediction Method (DAL 32), ISO 9613-2, or Nord2000. The following information is required prior to calculations:

- Which construction activities will be carried out
- Sound power levels for the relevant activities
- Duration and timing
- Whether activities will occur simultaneously
- Where the activities will take place

Calculations shall be performed for outdoor noise levels at façades and presented as façade noise levels on maps and in tables for verification against the specified limit values (free-field values). For indoor noise levels, a standard façade insulation value of 25 dB (outdoor–indoor level difference) shall be used.

Calculations of noise from construction traffic shall be performed using the Nordic calculation model for road traffic. For indoor noise levels, a standard façade insulation value of 25 dB for heavy traffic shall be applied.

Calculations of expected structure-borne noise levels based on the planned production shall be performed for buildings near tunnels and rock cuttings where there is a risk of exceeding limit values. The Swedish Transport Administration has no unified calculation model for structure-borne noise during construction, but the empirical model developed for the Stockholm metro extension or similar may be used. The model is based on rock drilling, which is typically the dominant source of structure-borne noise during tunnelling and similar rock works.

If the noise assessment shows that the limit values cannot be met despite quiet construction methods and noise-mitigating measures, the contractor shall prepare documentation for consultation or an application for exemption for noisy activities.

For noisy activities that risk exceeding limit values during daytime (07:00–19:00, Monday–Friday, non-holiday), consultation shall be held with the supervisory authority. For all other times, an exemption application shall be submitted.

The application and calculation documentation shall be submitted to the employer no later than 6 weeks before the planned start of the works. Approval from the supervisory authority is required for any exceedance of the applicable limit values.

Periods during which limit values risk being exceeded for more than five consecutive days or more than five days within a ten-day period shall be shown in the production schedule with at least 6 weeks' notice.

The results of the construction noise assessment and the planned verification measurements shall be compiled in a memorandum and include:

- Which buildings risk exceeding the limit values
- Which buildings risk exceeding the guideline values for construction traffic noise according to Infrastructure Proposition 96/97:53
- Specific measures required to meet the guideline values, such as:
 - Adapted construction methods
 - Choice of machinery
 - Adjusted working hours
 - Temporary noise-mitigating measures, including presentation of noise levels with and without such measures
- A control programme for monitoring and verifying airborne noise and structure-borne noise, including proposed locations for monitored and unmonitored measurement points. The control programme shall be approved by the employer before construction begins. Monitored measurements shall be carried out in accordance with Appendix 4

Measurement of Airborne Noise in the Ostlänken Project and Appendix 5 Measurement of Structure-Borne Noise in the Ostlänken Project. The contractor shall present a procedure for handling complaints and the measures intended to be taken.

Phase 2

If adjustments or changes to work activities occur that affect the results from Phase 1, updated calculations for construction noise and structure-borne noise shall be performed in accordance with the procedures established in Phase 1. Calculations shall follow the same methodology as in Phase 1.

Measurements for verification and monitoring of airborne noise and structure-borne noise shall be carried out in accordance with the control programme developed in Phase 1.

If measurements show that the contractor exceeds the specified limit values, the contractor shall stop the works and implement measures to ensure compliance. Measures shall be taken immediately, followed by new measurements to verify the achieved effect. If compliance is still not achieved, the contractor shall implement additional measures and continue the cycle of measurement and adjustment.

The contractor is responsible for notifying the police of noisy work activities. The contractor is responsible for informing residents and businesses. Before communication with nearby residents is issued, the content shall be reviewed by the employer.

The contractor shall document noise complaints and forward them to the employer.

AFG.35 Dust protection

Dust protection shall be carried out when dust spreading occurs. Dust protection shall be carried out with water, dust suppressants, or a combination of these that does not have an environmentally harmful effect.

AFG.36 Control of environmentally harmful emissions

The contractor must carry out systematic work to avoid environmentally harmful emissions.

The requirements for vehicles and machinery apply to the execution of the works.

Light road vehicles shall fulfil Euro class 6 or later Euro requirements.

The requirements for light road vehicles, as above, do not include light two-way vehicles used in railway works and zero emission vehicles.

Heavy duty vehicles must fulfil Euro class VI. Later Euro requirements are also allowed. Heavy-duty vehicles with two engines, which for their task at the workplace are powered by electricity, and use internal combustion engine for their movement/propulsion shall fulfil Euro class IV. Later Euro requirements are also allowed. In such a case, the vehicle's internal combustion engine must not be used during work or to generate electricity. These basic requirements for heavy vehicles do not apply to heavy two-way vehicles, tank spreader lorries, fixed work machine engines on heavy two-way vehicles and certain directly imported vehicles for the transport of geotechnical equipment.

Heavy two-way vehicles must fulfil Euro class IV. Later Euro requirements are also allowed.

The basic requirements, for OTMs as above, do not apply to twin-engine OTMs, tank-laying OTMs and graders, heavy-duty two-way OTMs, fixed OTM engines on heavy-duty two-way vehicles and track-laying OTMs.

Heavy-duty vehicles for the transport of geotechnical equipment shall fulfil the general Euroclass requirement (as above). Alternatively, directly imported vehicles from the USA, which do not have a Euroclass, may be used for the transport of geotechnical equipment.

The following requirements for OTMs do not apply to track-laying OTMs used exclusively for winter maintenance:

Hydraulic fluids/oils used in vehicles and machines shall fulfil the environmental property requirements in Swedish Standard SS 155434.

Deviations from the requirements for working machines as above shall be made in consultation with and decided by the Employer.

Reporting requirements for vehicles and machinery

Used light road vehicles and heavy vehicles shall be documented and reported, according to AFD.242 and, upon request, reported in a list with information on vehicle type, make, model, registration number and emission class (Euroclass), powertrain and year of manufacture (information on year of manufacture only applies to directly imported vehicles for transport of geotechnical equipment and permanently mounted work machine engines on heavy two-way rail vehicles). The reporting requirement on emission class does not apply to directly imported vehicles for the transport of geotechnical equipment and permanently installed work machine engines on heavy two-way rail vehicles.

Used work machines must be documented and reported, according to AFD.242 and, if requested, presented in a list with information on machine type, brand, model, year of manufacture, series and type designation, engine power, emission class if applicable (stage class) and drive train.

The powertrain information can be one of the following options: internal combustion engine only excluding gas, internal combustion engine gas, hybrid, plug-in hybrid, electrification including hydrogen/fuel cell.

In case of engine replacement or upgrade, the following information shall be provided, in addition to the information requested for the working machine as described above.

In case of engine replacement:

- Type-approval number of the new engine

In case of upgrading:

- Type-approval certificate according to UNECE Regulation 132 or equivalent approval from the Swedish Transport Agency
- Certificate that the above upgrade equipment has been fitted to the work machine and engine in question

The reporting requirements apply to all heavy vehicles and work machines used in the contract, including those that have been granted an exemption or are not covered by the requirements.

To verify the proportion of zero-emission vehicles, all vehicles and machines used must be shown in the list, which must include information on the powertrain (internal combustion engine only excluding gas, internal combustion engine gas, hybrid, plug-in hybrid, electrification including hydrogen/fuel cell).

Propellants

Fuels shall fulfil the following requirements and criteria:

- Alkylate petrol (SS 155461:2017)
- Petrol MK1 (SS-EN 228:2012+A1:2017)
- Diesel fuel MK1 (SS 155435:2022)

- Diesel fuel MK3 (SS-EN 590:2022)
- E85 (SS-EN 15293:2018)
- ED95 (SS 155437:2023)
- Vehicle gas (SS-EN 16723-2:2017)
- RME/FAME (SS-EN 14214:2012+A2:2019)
- Synthetic diesel fuels (SS-EN 15940:2023)

Alkylate petrol shall be used for the engines of petrol-powered machinery and work equipment where these are not equipped with catalytic purification.

When using the above fuels, the vehicle/machine owner is responsible for ensuring that the engine manufacturer has authorised the use of the fuel in question. For heavy vehicles that comply with Euro VI, the vehicle must also be type-approved for the fuel in question.

In addition to the fuels listed above, it is also permitted to use electricity and hydrogen.

Reduced climate impact and energy use

The project will contribute to the Swedish Transport Administration's long-term ambition of a climate-neutral infrastructure in 2040, compared to the base year 2015, being achieved. The goal is for the contractor's completed facility to achieve an 80 per cent reduction in climate impact compared to the initial situation, and for only renewable fuels to be used for the propulsion of vehicles and work machines in the contract.

During the design phase, the climate issue must form a central part of the work on optimising the entire facility and implementation with the aim of achieving the highest possible climate reduction taking into account the project's conditions and budget.

During the design phase, the Employer and contractor must jointly agree on the climate mitigation measures to be implemented during the production phase.

Before the project enters the production phase, the Employer and contractor must jointly formulate the requirements for reducing the project's climate impact that will apply to the contractor's completed facility; design and production phase and what is the project's starting point. The climate requirements shall be formulated as functional requirements in per cent, but can also be supplemented with other types of requirements.

The requirement level must be based on what emerges during the design phase and the most recently delivered PM Reduced climate impact.

The requirements must be established together with the final regulation of the normal cost of the project and the cost of meeting the climate requirements must also be included in this.

The agreed requirements are regulated in a revised AFG.36 and become valid for the contract through a decision at a recorded design meeting in accordance with AFD332.

Achieved reduction shall be reported via PM reduced climate impact and in a climate declaration at the end of the contract. The climate declaration must be prepared in the Swedish Transport Administration's climate calculation tool in the version specified by the Swedish Transport Administration. Calculation of the initial situation must be based on the Swedish Transport Administration's emission factors, while product-specific emission factors can be used in the climate declaration. In cases where the contractor uses product-specific emission factors, the contractor must be able to substantiate quantities and qualities through invoice documentation or equivalent.

Chemical handling requirements

1. Handling of chemical products, which includes storage and refuelling/refilling, and waste management must be carried out in such a way as to avoid the risk of harm or inconvenience to human health and the environment.
2. Chemical products shall be stored out of reach of unauthorised persons when not in use.
3. Chemical products shall be stored with containment or other technical solutions to prevent leakage or overflowing from spreading to the environment. The containment or other technical solution must hold at least the volume of the largest container plus 10% of the total volume of the other containers.
4. Decontamination equipment for dealing with leaks or spillages of fuel, hydraulic oils, etc. must be available in all work machines in order to initiate decontamination work.
5. In addition to the above requirement, decontamination equipment must be readily available and in sufficient quantity in the work area, e.g. in sheds or similar.
6. Parking areas for containers of chemical products and unsupervised parking of vehicles and machinery must not be located within 30 metres of a watercourse/lake. Exceptions apply to machines that are difficult to move, provided that protective measures are taken, e.g. that they are parked on absorbent canvas.
7. In the case of refuelling or other filling, a spill tray or other collection device must be provided under the connection point to collect any spills and leaks.
8. Spillages of fuel or other chemicals shall be cleaned up immediately.

AFG.7 Heating, dehydration and weather-dependent works, etc.

AFG.75 Weather-related work

AFG.752 Snow clearance

The contractor is responsible for snow clearance and de-icing within his own work area.

The contractor is responsible for snow clearance and de-icing of temporary roads, passages and crossings organised by the contractor.

AFG.7521 Snow clearance for subcontractor

AFG.8 Grounds maintenance, cleaning, etc.

AFG.81 Dewatering

Satisfactory, PH adjustment, oil, sand and silt removal measures shall be applied to all drainage

The amount of bilge water shall be minimised by preventing inflow into excavations. This can be done e.g. through cut-off ditches and embankments.

For drainage, the contractor shall keep staff on call.

Prior to commencement of construction, planning shall be carried out for all management of drainage water and storm water from work areas and for drainage water from shafts and process water. All locations where the management of bilge water may be relevant are mapped and reported.

Management of bilge water should be site-specific and customised and described in work plans. Work preparations must at least include protection and control measures, on-call service, the scope of sampling and how other requirements in the functional description and licence conditions are complied with. The work preparations must also state routines for operation and maintenance and measures to ensure the treatment plant's function, regardless of weather conditions and season.

The contractor must sign an agreement (service notification) with the utility owner and comply with the requirements of the agreement. A copy of the agreement must be sent to the Employer.

Sampling and flow measurement of outgoing water must be carried out in accordance with the owner's requirements.

Other information

The contractor shall immediately stop the pumping of bilge water in the event of an oil leak, chemical spill or similar and take the necessary protective measures to prevent leakage and spillage into the environment. The Employer shall be informed immediately.

Drainage pipes that have been relocated or modified in connection with the work shall not be overfilled until they have been inspected and approved by the landowner, the owner of the pipe or the Employer.

AFG.82 Waste management

The contractor shall keep areas used for traffic, areas around the work area, and streets, roads and the like outside the work area clean from litter, spillages and the like caused by him. This must be done in such a way that nuisances do not arise in neighbouring areas and on streets/roads.

Good order must be maintained within the establishment area.

Truck tyres must be thoroughly cleaned before leaving the workplace, if necessary.

Waste management and transport of waste

The contractor must draw up a waste management plan in accordance with the Waste Ordinance (2020:614).

When removing and tipping rubbish and waste, contact must be made with the respective municipality's waste management centre. Tipping fees are paid by the contractor. Waste must be sorted into the fractions that apply in accordance with the relevant municipality's waste management ordinance.

Hazardous waste must be sorted into labelled bins and containers, where it is clearly stated what they contain, which must be stored in containers or equivalent leak-proof and locked when work is not in progress at the workplace. The leakproof container must hold at least the volume of the largest container and must be locked when work is not in progress at the workplace.

The waste list must contain information on the type of waste (EWC code), quantities per year of operation, storage locations, sorted fractions, carrier, final recipient and final disposal (landfill, reuse, recycling, energy recovery). For hazardous waste, transport documents must also be presented.

The contractor is responsible for drawing up transport documents and checking that the carrier and final recipient of waste and hazardous waste have the necessary permits.

Demolition and dismantling

A summary and report of waste and hazardous waste disposed of during demolition must be submitted to the Swedish Transport Administration.

Dismantling and demolition must be carried out in such a way that the material can be reused.

Environmentally hazardous substances and materials that become waste must be disposed of in accordance with the Waste Ordinance.

Visual inspection must take place during all handling of construction waste. If construction waste is found that can be assumed to contain harmful or environmentally hazardous materials, the Swedish Transport Administration and the municipal administration or equivalent must be

notified. Any measures are decided in consultation with the municipality's administration or equivalent.

AFG.83 Cleaning and final cleaning

AFG.832 Final cleaning

Prior to final inspection, surfaces shall be cleaned of soil and other debris and all manholes and cable trays/gutters shall be cleared. Vegetation protection devices shall be removed in consultation with the Employer.

AFG.85 Land restoration

Unless otherwise agreed, establishment areas shall be restored to their previous use.

Any drainage pipes shall be checked and, if necessary, supplemented.

The contractor shall obtain a statement of satisfaction from the landowner, road manager and property owner after the restoration of land utilised with temporary right of use for temporary roads, planers and relocation of pipes. This also applies where the Employer has designated a storage/parking area.

If this is not done, the Employer is entitled to complete the contractor's obligations at the contractor's expense or by deduction.

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