**ANNEX NO 4 of the technical specification:**

**“WORK PACKAGES & PRICING REQUIREMENTS”**

ASSESSMENT BODY (ASBO) SERVICES FOR RAIL BALTICA global project

(IDENTIFICATION NO RBR 2021/3)



Riga, 2021

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# **General pricing requirements**

* 1. AsBo services shall be performed according to the Technical specification and submitted proposal.
  2. For work packages, where the price is based on unit price per hour, the estimate shall be based on AsBo previous experience on providing similar services and shall be fully compliant with requirements set out in the Technical specification and Contract and prepared according to Appendix 1 of this Annex.
  3. Rail Baltica Global project is structured by dividing full scope into railway sections and Local facilities. Railway sections are divided by designs which further is divided into Design section and local objects – Local facilities.
  4. Work package types:
     1. Work package 1 – Inception report as described in Technical specification chapter 9 and initial assessment of Rail Baltica Global project
     2. Work package 2 – Infrastructure subsystem assessment
     3. Work package 3 – Energy subsystem assessment
     4. Work package 4 – Safe integration
     5. Other assessment works
  5. Work package breakdown structure:
     1. **Design Section** *(WP)* – work package covers all respective design priority section and respective deliverables;
        1. *Design priority section (WP-DPS)* – work package covers all Design priority section deliverables *(WP-D)*;
           1. *Deliverable (WP-D)* – work package covers all work needed to deliver deliverable.
     2. **Local facilities country** *(WP)* – work package covers all respective Local facilities and respective deliverables;
        1. Local facilities*(WP-DPS)* – work package cover all Local facilities deliverables *(WP-D)*;
           1. *Deliverable (WP-D)* – work package covers all work needed to deliver deliverable.
  6. AsBo services base price is the price per unit which is:
     1. Technical Design assessment of each Design Priority Section and Local facility regarding Infrastructure subsystem (fixed price);
     2. Final Safety assessment (construction and testing stage) of each Design Priority Section and Local facility regarding Infrastructure subsystem (fixed price);
     3. Technical Design assessment of each Design Priority Section and Local facility regarding 1520 mm relocation or newly built lines of Infrastructure subsystem (fixed price);
     4. Final Safety assessment (construction and testing stage) of each Design Priority Section and Local facility regarding 1520 mm relocation or newly built lines of Infrastructure subsystem (fixed price);
     5. Generic price (hourly rate) for evaluation of separated structure part of DPS at Design Stage for Infrastructure subsystem (flexible price);
     6. Generic price (hourly rate) for evaluation of separated structure part of DPS at Construction Stage for Infrastructure subsystem (flexible price);
     7. Generic price (hourly rate) for advance assessment activity for the verification of CSM compliance at an intermediate version of the design (flexible price / see cl. 6.5 of Technical Specification);
     8. Assessment of Generic design for Energy subsystem of Rail Baltica project (fixed price);
     9. Application design safety assessment of each Design Section and Local Facility regarding Energy Subsystem (fixed price);
     10. Final safety assessment (construction and testing stage) of each Design Section and Local Facility regarding Energy Subsystem (fixed price);
     11. Inception report (fixed price);
     12. Initial assessment of Rail Baltica Global project (fixed price);
     13. Safe integration for operating section (fixed price);
     14. Additional safe integration stage for next commissioned operating sections (fixed price);
     15. AsBo assessment of test train, test environment and operation procedures established for the purpose of performing dynamic integration testing of the railway system (fixed price);
     16. AsBo assessment of railway related elements and operation of construction works facilities implemented for the storage and the transportation of goods and machinery to the construction site (fixed price);
     17. 1-hour rate for undefined scope of additional assessment services according to Regulation 402/2013 (flexible price – variations);
     18. Operating sections shall be defined based on assumptions stated in the main text of Technical Specifications.
     19. With regards to Work Packages, under which AsBo is required to issue reports concerning the trackside construction assessment and provided that such reports are capable of being issued no earlier than one (1) year after placement of the Order for the Work Package concerned, AsBo shall be entitled to initiate and the Client and AsBo shall negotiate in good faith concerning the issuance by AsBo and acceptance by the Client of the reports with respect to part(s) of the Work Package. Where the Report is issued by AsBo and accepted by the Client by signing the Transfer-Acceptance Deed with respect to part of the Work Package, AsBo shall be entitled to proportional part of Remuneration under the Work Package concerned (for example, for the number of kilometres assessed against the total number of assessment kilometres forming the particular Work Package).
  7. Financial proposal shall be provided according to the template in Annex No 1 “WORK PACKAGES AND FINANCIAL PROPOSAL”.

# **Work package pricing requirements and structure**

* 1. Design Section and Design priority section pricing requirements.
     1. Design Priority section is defined by Client on the basis of Preliminary Design. Content and volume of Design Priority sections is defined in Annexes 2 and 3.
     2. While ordering the work package if the Client changes the borders of the Design Sections, the unit price will be calculated as a weighted average based on the length and unit prices of the concerned sections.
     3. AsBo shall estimate fixed price using hour rates and unit amount based on AsBo previous experience on providing similar services and fully compliant with requirements set out in the Technical specification and Contract.
     4. The unit price per hour shall include all necessary cost to provide AsBo services according to Contract, including but not limited to compensation for activities such as management, administration and facilities for performing the work, including offices and site(s), insurances and guarantee costs, software licenses, meetings, security, communication, handling of variations, corporate overheads, travel expenses and lunch, accommodation etc.
     5. For any fixed price WP AsBo shall provide detailed calculations of Lead-Experts, Experts, and other specialists. Purpose of detailed calculation is to describe how deliverables price is calculated by man hours for each specialist.
     6. AsBo may provide own templates to describe detailed calculation for deliverables, but it shall contain at least requirements indicated in Table 1.

Table 1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **WORK PACKAGE – DELIVERABLES DETAILED CALCULATION** | | | | | | | | |
| **Name: WP TBD** | | | | | | | | |
| **Deliverable (WP) (Inception Report or Technical Design Assessment Report or Final Assessment Report or Generic Design Assessment Report or Application Design Assessment Report or Safe Integration Assessment Report or Additional Safe Integration Report) (WP Nr. )** | | | | | | | | |
| **No** | **Position** | **Name** | **Hourly rate** | **No of hours** | **Total fee (excl. VAT), EUR** | **Hourly rate** | **No of hours** | **Total fee (excl. VAT), EUR** |
| **Proposed experts\*:** | | | **Assessment of Technical Design** | | | **Final assessment (incl. Construction and testing phase)** | | |
| 1 | Project Leader | TBD |  |  |  |  |  |  |
| 2 | Lead Assessor for generic railway system | TBD |  |  |  |  |  |  |
| 3 | Lead Assessor for safe integration | TBD |  |  |  |  |  |  |
| 4 | Lead Assessor for operation and maintenance | TBD |  |  |  |  |  |  |
| 5 | Leading Quality Assessor | TBD |  |  |  |  |  |  |
| 6 | Deputy Project Leader | TBD |  |  |  |  |  |  |
| 7 | Documentation Manager | TBD |  |  |  |  |  |  |
| 8 | Key Technical Expert in railway infrastructure | TBD |  |  |  |  |  |  |
| 9 | Key Technical Expert in railway superstructures | TBD |  |  |  |  |  |  |
| 10 | Key Technical Expert in energy systems | TBD |  |  |  |  |  |  |
| 11 | Key Technical Expert in fire and explosion safety | TBD |  |  |  |  |  |  |
| 12 | Key Technical Expert in environmental safety | TBD |  |  |  |  |  |  |
| 13 | Key Technical Expert in EMC | TBD |  |  |  |  |  |  |
| 14 | Quality Assessor | TBD |  |  |  |  |  |  |
| 15 | Key Technical Expert in cybersecurity | TBD |  |  |  |  |  |  |
|  |  |  | **Total for Techn. Design:** | | | **Total for Final Assessment:** | | |

\*All other experts which will be involved in the execution of the Contract shall be indicated in the table!

* 1. Deliverables pricing requirements shall meet following criteria:

Table 2

| **Deliverable** | **Price weight** |
| --- | --- |
| Inception report and initial assessment of Rail Baltica Global project | Not more than 5% of total General Price |
| Technical Design assessment of infrastructure subsystem (including 1520 mm lines) | Not more than 35% of total General Price |
| Final safety assessment (construction and testing stage) of infrastructure subsystem (including 1520 mm lines) |
| Assessment of Generic design of energy subsystem (per country) | Not more than 30% of total General Price |
| Application Design safety assessment of energy subsystem |
| Final safety assessment (construction and testing stage) of energy subsystem |
| Safe integration for operating section | Not more than 30% of total General Price |
| AsBo assessment of test train, test environment and operation procedures established for the purpose of performing dynamic integration testing of the railway system |
| Railway related elements and operation of construction works facilities implemented for the storage and the transportation of goods and machinery to the construction site |

# **Total contract price**

* 1. Total contract price shall represent General Price of these activities of Design section and Local Facilities Work packages as described in Appendix 1: Sheet 1 and Additional Cost which is 30% of the General Price to be used for any additional services as described in Section 3.2. , 3.3. and for work package cost adaptation according to km ratio if work package at execution exceeds initial work package split (e.g. construction section case).
  2. Offers for any additional AsBo assessments related to assessment of test train, test environment and operation procedures established for the purpose of performing dynamic integration testing of the railway system or assessment of additional safe integration sections shall be out of scope of the General price.
  3. Offers regarding Generic price for evaluation of separated structure at Design Stage, Generic price for evaluation of separated structure at Construction Stage and Generic price for advance assessment activity for the verification of CSM compliance at an intermediate version of the design shall be out of scope of the General price.

# **Variation orders**

* 1. Variations resulting in the Contract price amendments (hereinafter referred to as a – “Variations”) can be initiated by the Client or by AsBo but shall be aligned with the Client in all cases.
  2. Variations shall not be calculated in Total contract price.
  3. Variation types:
     1. Variations: Undefined Scope Variations Key Expert Hourly Rate.

# **Appendix**

# Appendix 1: WORK PACKAGES AND FINANCIAL PROPOSAL