**Annex No 2.1.**

to the Regulation

for competitive procurement procedure with negotiation No RBR 2019/7

*“Design and design supervision services for the construction of the Latvian North and South section”*

General terms and the scope of building design in Latvia

For the 1. lot of the procurement “Design and design supervision services for the construction of the new line from Estonian/Latvian border - Vangazi”

\*The information in this table is provided for informative purposes in order to provide maximum detail about the perspective scope to all Tenderers, and the Tenderer shall note that exact and highly detailed scope of the services shall be established on the basis of the Agreement, including Technical Specification and its annexes.

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| No. | Title | Description |
|  | **Services being procured** | Design, design author’s supervision |
|  | **Contract period, deadline of the Activity** | Design (30 months[[1]](#footnote-1)), design supervision (until the full acceptance of construction works) |
|  | **Applicable procurement law** | Latvian |
|  | **Contracting authority** | RB Rail AS |
|  | **Contracting party** | RB Rail AS |
|  | **Beneficiary** | Ministry of Transport of the Republic of Latvia |
|  | **Ref. to the Contracting Scheme** | 3.1.2. a); 3.2.2.; 3.2.3.; 3.2.7 |
|  | **Source information** | Spatial planning designs, EIA reports, preliminary designs, Consolidated Preliminary Technical Design by RB Rail AS |
|  | **Applicable construction law** | Latvian |
|  | **Scope** |  |
|  | **General scope of the contract** | * Surveys and Investigations * Value engineering studies (including recommendations of Consolidated preliminary technical design); * Design solutions presentation and relevant approval; * Building design in a minimum composition; * Master design; * Public consultation; * Detailed technical design; * Building design approved by competent authorities; * Design author’s supervision. |
|  | **Key milestones of design process** | * Inception Report (maintained in accordance with the contract conditions), including accommodating documents; * Site surveys (including topographical plans and geological investigations) and others; * Preparation of building design in a minimum composition approved by Client; * Construction Permit acquired with remark allowing to start design works; * Apply for technical conditions from competent authorities and utility owners; ; * Value engineering studies including necessary technical surveys and evaluation of alternatives; * Building design proposals preparation (Master Design – providing of an early level of Detailed technical design), including engineering studies, bill of quantities and others; * Preparation of Detailed technical design and acquiring of client approval; * Detail design ready for expertise (to be procured separately); * Detail design approved by utilities owners; * Construction permission received (with the note on fulfilling the design conditions in the Construction Permit) |
|  | **Key milestones of design author’s supervision** | 1. Start of the construction works; 2. As-built documentation accepted 3. Construction completion act signed 4. NoBo inspection report |
|  | **Indicative design scope** |  |
|  | **Section** |

Estonian/Latvian border to Vangazi section (approx. 94 km of railway line)

Layout scheme:

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|  | **Indicative amounts (based on EIA studies / spatial planning design / preliminary design)** | * **Estonian/Latvian border (0,000 km) - Vangazi (94,000km):**   Double track: 94km;  Number of road viaducts: 36;  Number of railway viaducts: 3;  Number of eco-ducts: 3;  Number of culverts: 119;  Number of bridges 13.  Specific objects:  Number of Main gas pipeline crossings/reconstructions: 4;  Number of 330 kV power transmission line crossings: 6  Number of 110 kV power transmission line crossings: 6;  Number of 20 kV power transmission line crossings: 23.  Number of Regional stations with passing loops: 3 (Salacgriva, Skulte, Adazi) |
|  | **Required contractor’s personnel** |  |
|  | **Key experts:** | Project manager;  Design manager;  Railway track designer expert/engineer;  Structural designer expert/engineer;  Road designer expert/engineer;  Railway bridge designer expert/engineer;  Highway bridge expert/engineer;  Geotechnical expert/engineer  Environment expert/engineer;  Natural gas pipeline expert/engineer;  Irrigation and draining expert/engineer;  BIM co-ordinator. |
|  | **Additional experts (non-exhaustive list)** | Public relations coordinator;  Construction planning expert/engineer;  Architect;  Quantity Surveyor / Civils Cost Consultant;  Design Quality Control Engineer;  Hydraulic Structures Engineer;  Power networks designer/engineer;  Railway track designer/engineer;  Railway signalling expert/engineer;  Railway catenary expert/engineer;  Archaeological expert/engineer;  Geodesy expert/engineer;  Technical translator (from/to Latvian-English language). |
|  | **Stakeholder management process** | Alignment of design process and solutions with related stakeholders and effected parties |
|  | **RB Rail internal regulations (studies) to consider** | 1. Design guidelines; 2. BIM; 3. Operational plan; 4. Rail Baltica Infrastructure Management Study; 5. Technical study and design proposals for Rail Baltica Infrastructure maintenance facilities; 6. Visual, architectural and landscaping guidelines stud; 7. Mineral materials supply study; 8. Related Studies carried out by National Implementing Bodies (freight terminals, maintenance depots, etc.); 9. Other. |

1. Design of priority objects shall be shorter. The priority objects shall be defined at the second stage of procurement [↑](#footnote-ref-1)