Engineering services for preparation, procurement and supervision of energy subsystem deployment (ENE)

Meetings with interested suppliers
1. Introduction to the Rail Baltica project (10 min.)
2. Information on the Rail Baltica project ENE Engineering services (5 min.)
3. Q&A session:
   • RB Rail AS questions to suppliers / supplier answers (30 min.);
   • Supplier questions / RB Rail AS answers (30 min.).
4. Other (15 min.)
What is Rail Baltica?

Railway infrastructure for passenger and freight mobility – 870 km

Catalyst for an economic corridor in North-East Europe
<table>
<thead>
<tr>
<th>Parameters</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Line Length</td>
<td>870 km of which:</td>
</tr>
<tr>
<td></td>
<td>• 213 km in Estonia</td>
</tr>
<tr>
<td></td>
<td>• 265 km in Latvia</td>
</tr>
<tr>
<td></td>
<td>• 392 km in Lithuania</td>
</tr>
<tr>
<td>Design Speed</td>
<td>• 249 km/h for passenger trains</td>
</tr>
<tr>
<td></td>
<td>• 120 km/h for freight trains</td>
</tr>
<tr>
<td>Standard Gauge</td>
<td>1435 mm</td>
</tr>
<tr>
<td>Double-track Electrifed</td>
<td>2x25kVAC</td>
</tr>
<tr>
<td>Axle Load</td>
<td>25 t</td>
</tr>
<tr>
<td>Traffic Management</td>
<td>ERTMS L2</td>
</tr>
<tr>
<td>Max. Freight Train Length</td>
<td>1050 m</td>
</tr>
</tbody>
</table>
Intermodality/Multimodality of Rail Baltica

- 7 railway passenger stations with potential regional stations
- 3 multimodal terminals
- Connections to airports and sea ports
PROCUREMENT SPLIT

RB Rail

- Studies
- Design
- Common Standards
- Business Development
- Marketing & Branding

Consolidated

- Sub-systems (CCS & ENE)
- Raw Materials and Key Components
- Cross-border Track Sections

Supervised national

- Track Construction
- Major Engineering Structures
- Local Facilities (including terminals)
General scope of ENE Engineering service

» Preparation for design / procurement
  • Dimensioning study
  • Preparation for the design/construction procurement processes
  • Assistance during design/construction procurement processes

» Design supervision
  • Design process supervision (FIDIC Engineer)

» Construction supervision
  • Construction process supervision (FIDIC Engineer)
  • Commissioning process supervision
  • Defect notification process supervision
Objective of ENE Engineering service

- To ensure the identification and deployment of economically optimized energy subsystem solution (from the Life Cycle Costs point of view) for the railway operation needs and maximizing environmental benefits,

- Supervision of the design/construction in order to ensure that an economically optimized energy subsystem solution is deployed for Rail Baltica Global project.
ENE Engineering service procurement planning

- Q4 2019 – deployment strategy established
- Q1 2020 – procurement first-phase (for qualification) launched
- Q3 2020 – procurement second-phase (for bidding) launched
- Q3 2020 – Contract signed

NB! Dates are indicative and subject of revision
Expectations from the meetings with the Suppliers

- To understand market **readiness** to provide services
- To understand market **expectations** towards high quality service provision
- To understand market **limitations** to take a part in the procurement process
- To understand market **concern / risks** for successful service provision
- To **share** the possible ways to mitigate the risks
Q&A session

- RB Rail AS questions to suppliers / supplier answers;
- Supplier questions / RB Rail AS answers.