Contracting maintenance services

Contracting of dredging activities on the Bulgarian section of the Danube River

rkm 610 – rkm 374.100
Contract specifics

- According to an agreement between MTITC and EAEMDR a common public procurement procedure was implemented in 2017, as a result of which a contract for implementation of maintenance dredging activities was signed in February 2018.

- Contracting authorities - both MTITC and EAEMDR; contractor - Cosmos Shipping Ltd.

- Contract value - about 4 Mn EUR
Contract specifics

- Contract duration:
  - up to 36 months or
  - till the financial resources (contract value) are exhausted,
  which of the two circumstances occurs earlier
- the contract is concluded with a delayed execution (acc. to art. 114 of Public procurement law) – dredging is assigned upon necessity and if resources are available
Contract specifics

- The contractor starts the implementation of dredging activities in 10 days after written notice from EAEMDR with defined dredging area and deadline for implementation.

Attachments to the written notice:
- dredging project, prepared by EAEMDR, containing explanatory note, dredging plan and scheme of deposition area.

The explanatory note contains the following information:
- Detailed information about the hydrographic measurements, implemented by EAEMDR before assigning the dredging (methods and equipment used, meteorological conditions during the measurement period).
- Dredging plan with information for the dredging area, including a drawing with defined width and depth of the designed fairway and information for the deposition area.
Contract specifics

- The design dredging quantity is determined in a volume, calculated from the difference between the measured actual depths below LNWL and the required depth below LNWL - 300 cm.

- Final hydrographic measurements and executive drawing for identification of quantities and assessment of the work – by EAEMDR not later than 10 days after dredging is finished.

- Payment is made after acceptance of the actual dredging works with delivery and acceptance protocol with attached hydrographic schemes, executive drawings, report for identification of quantities and quality of the dredging works.
Critical locations in BG

<table>
<thead>
<tr>
<th>Critical locations</th>
<th>River Kilometre</th>
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<tbody>
<tr>
<td>1. Somovit</td>
<td>608.70 - 608.00</td>
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<tr>
<td>2. Sredniak Island</td>
<td>589.00 - 589.00</td>
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<tr>
<td>3. Paletz Island</td>
<td>585.30 - 585.20</td>
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<tr>
<td>4. G. Barzina Island</td>
<td>575.60 - 575.00</td>
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<tr>
<td>5. Milka Island</td>
<td>569.20 - 567.80</td>
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<tr>
<td>6. Belene Island</td>
<td>567.00 - 566.70</td>
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<tr>
<td>7. Coundur Island</td>
<td>562.00 - 561.50</td>
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<tr>
<td>8. Vardim Island</td>
<td>541.60 - 541.00</td>
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<tr>
<td>9. Giska Island</td>
<td>538.50 - 537.00</td>
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<tr>
<td>10. Yantra riv.</td>
<td>535.70 - 534.50</td>
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<tr>
<td>11. Batin Island</td>
<td>523.80 - 523.20</td>
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<tr>
<td>12. Gostin Island</td>
<td>475.70 - 475.30</td>
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<tr>
<td>13. Brachlian Island</td>
<td>462.70 - 462.20</td>
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<tr>
<td>14. Radetzki Island</td>
<td>455.70 - 455.10</td>
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<tr>
<td>15. Kosui Island</td>
<td>437.20 - 436.40</td>
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<tr>
<td>16. Dunavetz Island</td>
<td>425.60 - 425.20</td>
</tr>
<tr>
<td>17. M. Preslavets Island</td>
<td>423.00 - 422.20</td>
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<tr>
<td>18. Popina</td>
<td>413.70 - 412.30</td>
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<tr>
<td>19. Popina 2</td>
<td>408.00 - 406.50</td>
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<tr>
<td>20. Votren Island</td>
<td>401.00 - 400.00</td>
</tr>
<tr>
<td>21. Chajka Island</td>
<td>391.60 - 391.10</td>
</tr>
<tr>
<td>22. Chajka Island</td>
<td>383.50 - 382.50</td>
</tr>
</tbody>
</table>

UN/ECE Classification

- VII
- Vla; Vlb; Vlc
- III
- Va; Vb
- Not classified

Bālgarija
Dredging works in the area of Vardim

- Location of dredging works – area of Vardim island (rkm 545.000 – rkm 547.800)
- Hydrographic measurement before dredging works – 15-17 May 2018, conducted by EAEMDR
- Duration of dredging works – 2-14 June 2018
- Quantity of dredged material – 101 011 m³
- Equipment used – 2 self-propelled suction dredgers capacity – 580 m³/2 hours for the smaller dredger 1800 m³/4 hours for the bigger dredger
Dredging works in the area of Vardim
Dredging works in the area of Vardim
Dredging works in the area of Vardim

Dredging plan Vardim (incl. dredging area and deposition area)
Dredging works in the area of Vardim

Dredging area – data from hydrographic measurement before dredging works
Dredging works in the area of Vardim

After dredging works
Dredging works in the area of Belene

- Location of dredging works – area of Belene island: - rkm 564.600 – rkm 565.300
  - rkm 564.300 – rkm 564.500
- Hydrographic measurement before dredging works: - 6-7 June 2018, conducted by EAEMDR
  - 26-27 June 2018, conducted by EAEMDR
- Duration of dredging works
  - 18 June till 9 July 2018
  - 10-13 July 2018
- Quantity of dredged material
  - rkm 564.600 – rkm 565.300 – 133 292 m³
  - rkm 564.300 – rkm 564.500 – 22 347 m³
Dredging works in the area of Belene

Dredging area – data from hydrographic measurement before dredging works
Dredging works in the area of Belene

After dredging works
Dredging works in the area of Belene

Dredging area - data from hydrographic measurement before dredging works
Dredging works in the area of Belene

After dredging works
Results

Based on hydrographic measurements the following results are achieved at both dredging sites:

- Depth – more than 3m at LNWL
- Width – 150 m
- Curve radius – 1000 m

The fairway was deepened with more than 100 cm.
Thank you for your attention!

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