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Buyer: [Public company Motorways of the Federation of Bosnia and Herzegovina Ltd. Mostar](#)
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Goods, Works and Services

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**INVITATION FOR TENDERS
BOSNIA AND HERZEGOVINA
CONSTRUCTION OF MOTORWAY ON CORRIDOR Vc,
SECTION POČITELJ - BIJAČA, SUBSECTION POČITELJ -
ZVIROVIĆI
INVITATION FOR TENDERS
No: JPAC 841-B80-17**

Brief description

Route on the section starts at chainage km 0+000 and ends at chainage km 11+075.

At the beginning, in addition to the open road, one interchange and three underpasses are envisaged, while continuing, there is one overpass and bridge Počitelj. Behind the Počitelj bridge, there is practically no open road, namely the motorway route comprises of three bridges and one tunnel, while on the last third of the section, alignment is almost entirely an open road with one underpass at the end of the section.

Significant structures on this section are:

Interchanges:

-Interchange Počitelj, which includes 1.274 m of ramps which connect the motorway with the existing trunk road M6 at km 0+402

Bridges, viaducts, culverts and road passes:

- Underpass under the motorway on local road Bivolje Brdo at km 0+429.00
- Reinforced concrete frame 2,0x2,0 m at km 0+420.00
- Reinforced pipe culvert fi 2,0 m at km 0+675.00
- Underpass under the motorway on interchange Počitelj at km 0+866.00
- Reinforced pipe culvert fi 2,0 m at km 1+450.00
- Underpass under the motorway on local road Ševaš Njive at km 1+461.00
- Reinforced concrete frame 2,0x2,0 m at km 1+625.00
- Reinforced pipe culvert fi 2,0 m at km 1+875.00
- Reinforced concrete frame 2,0x2,0 m at km 2+000.00
- Overpass over the motorway on local road Gradina at km 2+967.00
- Bridge Počitelj L=945 m at km 3+900.00
- Reinforced pipe culvert fi 2,0m at km 4+475.00
- Reinforced pipe culvert fi 2,0m at km 4+575.00
- Bridge M2 L=110,5 m (right) / 157,5 m (left) at km 4+775.00
- Bridge M3 L= 42,0 m (right) / 69,0 m (left) at km 4+960.00
- Reinforced pipe culvert fi 2,0m at km 5+175.00
- Tunnel Počitelj L= 1163 m (right) / 1192 m (left) at km 5+900.00
- Bridge M4 L= 100,0 m (right) / 122 m (left) at km 6+600.00
- Reinforced concrete frame 2,0x2,0m at km 6+850.00
- Reinforced pipe culvert fi 2,0m at km 7+350.00
- Reinforced pipe culvert fi 2,0m at km 7+900.00
- Reinforced pipe culvert fi 2,0m at km 8+125.00
- Reinforced concrete frame 2,0x2,0m at km 8+275.00
- Reinforced pipe culvert fi 2,0m at km 8+575.00
- Reinforced concrete frame 2,0x2,0m at km 8+750.00
- Reinforced pipe culvert fi 2,0m at km 8+925.00
- Reinforced pipe culvert fi 2,0m at km 9+250.00
- Reinforced pipe culvert fi 2,0m at km 9+550.00
- Reinforced pipe culvert fi 2,0m at km 9+775.00
- Reinforced pipe culvert fi 2,0m at km 9+925.00
- Reinforced pipe culvert fi 2,0m at km 10+075.00
- Reinforced pipe culvert fi 2,0m at km 10+200.00
- Reinforced pipe culvert fi 2,0m at km 10+425.00
- Reinforced concrete frame 2,0x2,0m at km 10+675.00
- Reinforced pipe culvert fi 2,0m at km 10+900.00
- Underpass under the motorway on regional road Orlovača at km 10+975.00

Local roads:

- local road (LC 1) at km 0+429.00
- unclassified road (NS 5) at km 0+866.00
- unclassified road (NS 1) at km 1+461.00
- unclassified road (NS 2) at km 1+461.00
- connection with M17 at km 1+461.00
- interchange connection with M6 (local road "Domanović") at km 0+866.00

- local road (LS 4) at km 2+967.00
- unclassified road (PS 1) at km 2+967.00
- unclassified road (NS 3) at km 7+000.00
- unclassified road (NS 6) at km 7+800.00
- unclassified road (NS 9) at km 7+500.00
- unclassified road (NS 10) at km 7+500.00
- unclassified road (NS 11) at km 6+600.00
- unclassified road (NS 4) at km 8+700.00
- unclassified road (NS 7) at km 10+400.00
- unclassified road (NS 8) at km 10+900.00
- regional road R425a (Orlovača) at km 10+975.00

Total length of the section is km 11+075.

Construction period is 30 months.

Tendering for contract to be financed with the proceeds of a loan from the Bank is open to firms from any country.

Qualification Criteria

To be qualified for the award of a contract, Tenderers must satisfy the following minimum criteria given below:

- Historical non-performance

A consistent history of historical non-performance and/or litigation awards against the Tenderer or any partner of a joint venture may result in rejection of the tender.

- Historical financial performance

The audited balance sheets for the last 5 (five) years shall be submitted and must demonstrate the soundness of the Tenderer's financial position, showing long-term profitability. Where necessary, the Employer will make inquiries with the Tenderer's bankers.

- Average Annual Turnover

The Tenderer shall have an average annual turnover as prime contractor (defined as billing for works in progress and completed) over the last 5 years of not less than EURO 80 000 000 equivalent.

- Financial Resources

The Tenderer shall complete Attachment 2, Financial Information, provided in Section IV, Tender Forms, and demonstrate that it has access to, or has available liquid assets, unencumbered real assets, lines of credit, and other financial means sufficient to meet the construction cash flow for the contract for a period of 4 (four) months, estimated as not less than EURO 13.500.000 equivalent, taking into account the applicant's commitments for other contracts.

- Experience

The applicant shall meet the following minimum criteria:

(a) Successful experience as prime contractor (one contractor signed contract), lead partner or partner in joint venture or consortium in the execution of at least 3 projects, of nature and complexity comparable to the proposed contract (construction of full profile motorway) within the last 5 years. The value of each contract should not be less than EUR 60 million.

The similarity shall be based on the physical size, complexity, methods/technology or other characteristics as described in Volume II, Section 6 Description of Works.

(b) Moreover, the experience shall cover the execution of the following elements of the construction works (key activities), over the last 5 years:

1. Construction of at least one twin tube tunnel, with minimum length of 1.000 m per tube
2. Bridge works 12.000 m²/year*
3. Earth works 1.350.000 m³/year*
4. Concrete works 40.000 m³/year*
5. Asphalt works 140.000 t/year*

* average quantities over the last 5 years.

- Personnel

The Tenderer shall provide suitably qualified personnel to fill the following positions. For each position the Tenderer will supply information (in table 2.5) on a first choice candidate and an alternate, each of whom should meet the experience requirements specified below:

No. Position; Total Work Experience (years); In Similar Works Experience (years):

1. Project manager; 15; 10
2. Site manager; 13; 10
3. Quality Assurance manager; 13; 10
4. Bridges manager; 13; 10
5. Tunnel Manager; 13; 10
6. Earthworks manager; 10; 7
7. Electrical manager; 10; 7
8. Mechanical manager; 10; 7
9. Occupational health and safety manager; 10; 7

- Equipment

The tenderer shall own, or have assured access to (through hire, lease, purchase agreement, availability of manufacturing equipment, or other means), the following key items of equipment in full working order, and must demonstrate that, based on known commitments, they will be available for use in the proposed contract. The Tenderer may also list alternative equipment which he would propose to use for the contract, together with an explanation of the proposal.

Equipment type and characteristics; Age; Minimum number required:

Hot asphalt mixing plant; Minimum capacity: 100 t/h, less than 50km distance from site; less than 10 years old; 1 piece

Hot asphalt mixing plant; Minimum capacity: 60 ton/h, less than 50km distance from site; less than 10 years old; 1 piece

Tracked asphalt paver; Blade width: 8,20 m; Laying capacity more than

500 t/h; less than 7 years old; 2 pieces
Concrete batching plant; Minimum capacity: 100 m³/h On the site; less than 7 years old; 1 piece
Concrete batching plant; Minimum capacity: 60m³/h On the site; less than 10 years old; 1 piece
Stationary concrete pump; Minimum capacity: 50 m³/h; less than 7 years old; 3 pieces
Mobile concrete pump; Minimum capacity: 50 m³/h; less than 7 years old; 6 pieces
Bridge Form traveller; Minimum capacity: 250 t; Minimum deck width: 22 m; Segment length: 5m; less than 7 years old; 2 pairs (each pair contains 2 pieces)
Tower crane; Minimum length of the hand: 62 m Minimum bearing capacity: 2 t; less than 10 years old; 6 pieces
Tower crane; Minimum length of the hand: 40 m Minimum bearing capacity: 1,5 t; less than 10 years old; 2 pieces
Mobile crane; vertical reach 80 m Minimum bearing capacity: 45 t; less than 7 years old; 2 pieces
Mobile crane; vertical reach 30 m Minimum bearing capacity: 20 t; less than 7 years old; 3 pieces
Self-driving telescopic formwork carriage for tunnels; Minimum lining length: 12 m; less than 7 years old; 2 sets
Self-driving platform for steel net installation; less than 7 years old; 4 pieces
Axial flow fan; Minimum fan diameter: Ø 1000 mm; less than 7 years old; 4 sets
Hydraulic drilling jumbo (Boomer); Minimum power rating: 150 kW; less than 7 years old; 4 pieces
Rock bolt drilling machine; less than 7 years old; 2 pieces
Grouting machine; less than 7 years old; 2 pieces
Tunnel (backhoe) excavator with hydraulic hammer; Power rating: 75-120 kW; less than 7 years old; 2 pieces
Tunnel shotcrete machine; Minimum capacity: 7m³/h; less than 7 years old; 4 pieces
Formwork equipment for bridges; — ; 8.100 m²
Scaffolding for bridges; — ; 7.000 m² (max. height 22 m)
Scaffolding for Počitelj bridge; — ; 2.500 m² (max. height 50 m)
Articulated truck; Minimum loading capacity: 18-25 t; less than 7 years old; 30 pieces
Motor grader; less than 7 years old; 4 pieces
Crawler dozer up to 20t; 200 kW; less than 7 years old; 4 pieces
Crawler dozer > 20t; > 200 kW; less than 7 years old; 6 pieces
Wheel loader; Minimum power rating: 320 kW; less than 7 years old; 10 pieces
Backhoe excavator with hydraulic hammer; Minimum power rating: 75 - 120 kW; less than 7 years old; 20 pieces

Bored piling machine; Φ 1500 mm; less than 7 years old; 2 pieces
Laboratory equipment for earth, asphalt and concrete works; — ; 1 set
- Specific Requirements with regard to JVCA

JVCA must satisfy the following minimum qualification requirements:

a. The JVCA must satisfy collectively all the above mentioned qualification criteria, for which purpose the relevant figures for each of the partners shall be added to arrive at the joint venture's total capacity.

b. The lead partner shall meet not less than 60% percent of all the qualifying criteria for Average Annual Turnover and Financial Resources as specified above, which means:

1. The lead partner shall have an average annual turnover as prime contractor (defined as billing for works in progress and completed) over the last 5 years of not less than EURO 48.000.000 equivalent

2. The lead partner shall complete Attachment 2, Financial Information, provided in Section IV, Tender Forms, and demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means sufficient to meet the construction cash flow for the contract for a period of 4 (four) months, estimated as not less than EURO 8.100.000 equivalent, taking into account the applicant's commitments for other contracts.

c. The other partners shall meet not less than 30% percent of all the qualifying criteria for Average Annual Turnover and Financial Resources as specified above which means:

1. The other partners shall have an average annual turnover as prime contractor (defined as billing for works in progress and completed) over the last 5 years of not less than EURO 24.000.000 equivalent.

2. The other partners shall complete Attachment 2, Financial Information, provided in Section IV, Tender Forms, and demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means sufficient to meet the construction cash flow for the contract for a period of 4 (four) months, estimated as not less than EURO 4.050.000 equivalent, taking into account the applicant's commitments for other contracts.