

LIMIT FUND BILL OF QUANTITIES

OBJECT: "PERFORMANCE-BASED WINTER AND ROUTINE MAINTENANCE, BERAT - COROGJAF ROAD + COROGJAF - K/GLLAVE - ANTENE ROAD + POSHNJE - VELEMISHT - K/PATOS ROAD + K/MARINEZ - MARINEZ ROAD 70,2 KM"

PERIOD: 48 months

DRAFTING PERIOD: MAY 2020

SUMMARY OF BILL OF QUANTITIES

| Road No. | Index | Road name | Length (km) | Period (month) | Price (ALL/km/month) | Amount (ALL) |
|----------|----------|--------------------------------|---|----------------|----------------------|--------------|
| | | | a | b | c | (a*b*c) |
| | | ROUTINE MAINTENANCE | | | | |
| SH-74 | 1/1 | Berat - Corogjaf | 28 | 48 | | |
| SH-74 | 1/2 | Corogjaf - K/Gllave - Antene | 13 | 48 | | |
| SH-73 | 1/3 | Poshnje - Velmisht - K/Patos | 26.2 | 48 | | |
| N/A | 1/4 | K/Marinez - Marinez | 3 | 48 | | |
| | 1 | ROUTINE MAINTENANCE SUM | 70.2 | | | |
| | 2 | EMERGENCY WORKS | (3% of routine works) | | | |
| | 3 | PERIODIC WORKS | (carried from periodic works bill of quantities) | | | |
| | | SUM 1+2+3 | | | | |
| | | 20% VAT | | | | |
| | | TOTAL | | | | |

Note: With regards to routine maintenance bid price the economic operators should refer to technical specifications, analyses of work processes for this item, as well as technical description of each road segment.

ROUTINE MAINTENANCE BILL OF QUANTITIES

OBJECT: "PERFORMANCE-BASED WINTER AND ROUTINE MAINTENANCE, BERAT - COROGJAF ROAD + COROGJAF - K/GLLAVE - ANTENE ROAD + POSHNJE - VELEMISHT - K/PATOS ROAD + K/MARINEZ - MARINEZ ROAD 70,2 KM"

PERIOD: 48 months

DRAFTING PERIOD: MAY 2020

TABLE 1/1 (ROUTINE MAINTENANCE, BERAT - COROGJAF ROAD AXIS 28 KM)

| Item No. | Description | Unit | Price (ALL/km/month) |
|----------|--|--------------|-------------------------|
| | ROUTINE MAINTENANCE | | non-asphalt road |
| 1 | Cleaning of roadside ditches and gutters | month | |
| 2 | Cleaning of existing circular and box culverts | month | |
| 3 | Removal of vegetation | month | |
| 4 | Cleaning of carriageway from alluvium and other materials | month | |
| 5 | Filling and profiling of subgrades in unpaved roads | month | |
| 6 | Routine maintenance of art works | month | |
| | TOTAL PRICE OF ROUTINE MAINTENANCE (ALL/km/month) | SUM A | |

TABLE 1/2 (WINTER AND ROUTINE MAINTENANCE, COROGJAF - K/GLLAVE - ANTENE ROAD AXIS 13 KM)

| Item No. | Description | Unit | Price (ALL/km/month) |
|----------|---|----------------|-------------------------|
| | ROUTINE MAINTENANCE | | non-asphalt road |
| 1 | Cleaning of roadside ditches and gutters | month | |
| 2 | Cleaning of existing circular and box culverts | month | |
| 3 | Removal of vegetation | month | |
| 4 | Cleaning of carriageway from alluvium and other materials | month | |
| 5 | Filling and profiling of subgrades in unpaved roads | month | |
| 6 | Routine maintenance of art works | month | |
| | TOTAL PRICE OF ROUTINE MAINTENANCE (ALL/km/month) | SUM A | |
| | WINTER MAINTENANCE (ALL/km/month) | SUM B | |
| | TOTAL PRICE OF WINTER AND ROUTINE MAINTENANCE (ALL/km/month) | SUM A+B | |

TABLE 1/3 (ROUTINE MAINTENANCE, POSHNJE - VELMISHT - K/PATOS ROAD AXIS 26.2 KM)

| Item No. | Description | Unit | Price (ALL/km/month) |
|----------|--|-------|-------------------------|
| A | ROUTINE MAINTENANCE | | asphalt road |
| 1 | Cleaning of roadside ditches and gutters | month | |
| 2 | Cleaning of existing circular and box culverts | month | |

| | | | |
|----|---|--------------|--|
| 3 | Filling and leveling of shoulders | month | |
| 4 | Removal of vegetation | month | |
| 5 | Cleaning of carriageway from alluvium and other materials | month | |
| 6 | Repair of asphalt potholes | month | |
| 7 | Filling and profiling of subgrades in asphalt roads | month | |
| 8 | Repair and upgrade of horizontal road signs | month | |
| 9 | Repair and upgrade of vertical road signs and road safety (guardrails) and lighting devices | month | |
| 10 | Routine maintenance of art works | month | |
| | TOTAL PRICE OF ROUTINE MAINTENANCE (ALL/km/month) | SUM A | |

TABLE 1/4 (ROUTINE MAINTENANCE, K/MARINEZ - MARINEZ ROAD AXIS 3 KM)

| Item No. | Description | Unit | Price (ALL/km/month) |
|----------|---|--------------|-------------------------|
| A | ROUTINE MAINTENANCE | | asphalt road |
| 1 | Cleaning of roadside ditches and gutters | month | |
| 2 | Cleaning of existing circular and box culverts | month | |
| 3 | Filling and leveling of shoulders | month | |
| 4 | Removal of vegetation | month | |
| 5 | Cleaning of carriageway from alluvium and other materials | month | |
| 6 | Repair of asphalt potholes | month | |
| 7 | Filling and profiling of subgrades in asphalt roads | month | |
| 8 | Repair and upgrade of horizontal road signs | month | |
| 9 | Repair and upgrade of vertical road signs and road safety (guardrails) and lighting devices | month | |
| 10 | Routine maintenance of art works | month | |
| | TOTAL PRICE OF ROUTINE MAINTENANCE (ALL/km/month) | SUM A | |

BILL OF QUANTITIES FOR PERIODIC/REHABILITATION WORKS

OBJECT: "PERFORMANCE-BASED WINTER AND ROUTINE MAINTENANCE, BERAT - COROGJAF ROAD + COROGJAF - K/GLLAVE - ANTENE ROAD + POSHNJE - VELEMISHT - K/PATOS ROAD + K/MARINEZ - MARINEZ ROAD 70,2 KM"

PERIOD: 48 months

DRAFTING PERIOD: MAY 2020

TABLE 3 (BILL OF QUANTITIES FOR PERIODIC/REHABILITATION WORKS 70.2 KM)

| No. | No. | WORKS DESCRIPTION | UNIT | QUANTITY | PRICE | AMOUNT |
|-----|-----------|--|------|----------|-------|--------|
| | | EXCAVATION WORKS | | | | |
| 1 | 3.89/a | Soil excavation by wheeled excavators 0.25 m ³ , in ditches with a width up to 2 m, ordinary soil, category III, unloaded in vehicles | m3 | 200 | | |
| 2 | 3.158/3a | Soil transportation by trucks in a distance up to 3.0 km | m3 | 500 | | |
| 3 | 3.161/2 | Leveling or escarpments through excavation, excavator 0.25m ³ | m2 | 1000 | | |
| 4 | An.124/3a | Free section rock excavation by the use small mines and excavator 1m ³ + transportation | m3 | 100 | | |
| 5 | An.164/1a | Filling of road track with gravel and quarry stones, spread and compacted by machines | m3 | 100 | | |
| | | LAYER WORKS | | | | |
| 6 | 3.212/c | Stabilizing layer t=15cm | m2 | 1500 | | |
| 7 | 3.212/d | Stabilizing layer t=20cm | m2 | 1500 | | |
| 8 | An | Scarifying of asphalt layers by machines | m2 | 1500 | | |
| | | ASPHALT WORKS | | | | |
| 9 | 3.222/2 | Binder layer with crushed stones and quarry stones, 6cm, by machines | m2 | 1500 | | |
| 10 | 3.226/1 | Asphalt concrete layer with crushed stones and quarry stones, 4cm, by machines | m2 | 10000 | | |
| | | CONCRETE AND REINFORCED CONCRETE WORKS | | | | |
| 11 | 3.235 | Monolithic b/concrete construction C 12/15 with 20% stone | m3 | 100 | | |
| 12 | 3.245/1 | Thin monolithic concrete structures C 25/30 | m3 | 20 | | |
| 13 | 3.246 | Monolithic concrete structures with gravel C 20/25 | m3 | 100 | | |
| 14 | 3.268 | Supply and installation of rectangular culverts b/a C 16/20 | m3 | 20 | | |
| | | REINFORCED CONCRETE WORKS | | | | |
| 15 | 3.287 | Supply and installation of common rebars Ø 6 ~ 10mm | tons | 1 | | |
| 16 | 3.288 | Supply and installation of common rebars Ø > 12mm | tons | 1 | | |
| | | CONSTRUCTION OF ART WORKS | | | | |
| 17 | 3.323 | Stone retaining wall, M50 cement mortar | m3 | 50 | | |
| 18 | 3.332 | Gabion walls with galvanized wire mesh, crushed stone 1x1x1.5 m | m3 | 50 | | |
| 19 | 3.352 | Filling with quarry stones | m3 | 100 | | |
| 20 | 3.366 | Culverts with concrete pipes Ø 800, above the concrete layer | m | 20 | | |
| 21 | 3.367 | Culverts with concrete pipes Ø 1000, above the concrete layer | m | 20 | | |
| 22 | An-8 | Filling the walls with gravel | m3 | 50 | | |
| | | DIFFERENT WORKS | | | | |
| 23 | 3.618 | Supply and installation of concrete kerbs 20x35 cm | m | 50 | | |
| 24 | 3.636 | Precast metal bridge parapets | tons | 1 | | |
| | | ROAD SIGNS WORKS | | | | |
| 25 | An4 | H1 W3 single-sided guardrail with 2 wave beams + accessories (road) | ml | 1200 | | |
| 26 | An35 | Single-sided concrete parapet (Ø 60) + accessories (bridge) | ml | 50 | | |
| 27 | An106 | Common triangular sign board with A = 90 | pcs | 2 | | |

| | | | | | | |
|----|-------|---|-----|------|--|--|
| 28 | An116 | Common side road marking lines with two senses (red + white) | pcs | 1000 | | |
| 29 | An118 | (Single) turn dotted marking lines | pcs | 50 | | |
| 30 | An119 | (Double) turn dotted marking lines | pcs | 60 | | |
| 31 | An120 | Mild or sharp (T-shaped) turn marking lines | pcs | 30 | | |
| 32 | An151 | Road marking lines with bicomponent paint | m2 | 6120 | | |
| 33 | An147 | Audible lines (with gel bicomponent paint + beads 5 kg/m2) | m2 | 100 | | |
| 34 | An156 | Supply and installation of road indication sign boards 150x40cm | pcs | 20 | | |
| 35 | An158 | Supply and installation of different road sign boards D=60cm | pcs | 400 | | |
| | | TOTAL | | | | |