

MEDIMURSKE VODE d.o.o. , ČAKOVEC

The North Western Regional Waste Water Project - Construction of sewerage system
Novo Selo na Dravi (Pumping stations, connecting pipes and collectors)

Procurement Ref. 7275-GPN-39990, published on the EBRD website, (www.ebrd.com) on
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ADDENDUM No. 1

to Tender Document for Procurement of Works

Date: 09 June 2014

Pursuant to Tender Document, Part 1, Instruction to Tenderers, clause 8, the Employer (Medimurske vode d.o.o. Čakovec) hereby issues Addendum No. 1 to Tender Document for Procurement of Works: Construction of sewerage system Novo Selo na Dravi (pumping stations, connecting pipes and collectors), Tender No. EV-V-03/2014 issued on 06/05/2014.

The addenda's are as follows:

Part 1 – Section IV: Tender Forms: Schedules of Prices / Bill of Quantities on page 52 1) SETTLEMENT ŠANDOROVEC and KURŠANEC, 1.1 SANITARY SEWERAGE NETWORK, II. EARTH WORKS	
INSTEAD OF:	NOW READS:
ITEM 4: Procurement, supply and installation of fine gravel (grain size 4 - 16 mm) on the sections with groundwater to produce substrate thickness of 10 cm below the sewerage tube from the previous alignment of the channel bottom elevation of the longitudinal profile with an accuracy +/- 1 cm.	ITEM 4: Procurement, supply and installation of fine gravel (grain size 8 - 16 mm) on the sections with groundwater to produce substrate thickness of 10 cm below the sewerage tube from the previous alignment of the channel bottom elevation of the longitudinal profile with an accuracy +/- 1 cm.
ITEM 5: Procurement, supply and installation of fine gravel (grain size 4-16 mm) on the sections with an underground water in the pipe zone (up to 30 cm above the pipe crown) by carefully tamping in layers up to 30 cm.	ITEM 5: Procurement, supply and installation of fine gravel (grain size 8-16 mm) on the sections with an underground water in the pipe zone (up to 30 cm above the pipe crown) by carefully tamping in layers up to 30 cm.
Part 1 – Section IV: Tender Forms: Schedules of Prices / Bill of Quantities on page 61 1) SETTLEMENT ŠANDOROVEC and KURŠANEC, 1.2 THE PUMPING STATION – PS2, 1.2.1 CONSTRUCTION WORKS, IV / CONCRETE AND REINFORCEMENT STEEL BENDING WORKS	
INSTEAD OF:	NOW READS:
ITEM 1: Installation of a.b. foundations in the following dimensions: 1.75x0, 40x1, 50 m for the insulated polyester separator. The price includes: a) concrete MB 30 2,6 m ³ b) formwork 7,18 m ² c) reinforcing steel MAG 500/560 150,00 kg	ITEM1: Installation of RC slab in the following dimensions: 2,25 x 2,25 x 0,25 m for the insulated polyester separator. The price includes: a) concrete MB 30 2,6 m ³ b) formwork 7,18 m ² c) reinforcing steel MAG 500/560 150,00 kg
ITEM 2: Installation of a.b. foundations in the following	ITEM 2: Installation of RC foundations in the following

<p>dimensions: 1.75x0, 40x1, 50 m for the insulated polyester separator. The price includes:</p> <p>a) excavation 1,75x0,40x0,80 0,56 m³</p> <p>b) concrete M30 1,05 m³</p> <p>c) formwork 3,01 m²</p> <p>d) reinforcing steel MAG 500/560 30,00 kg</p>	<p>dimensions: 1,75 x 0,40 x 1,50 m for the insulated polyester separator. The price includes:</p> <p>a) excavation 1,75x0,40x0,80 0,56 m³</p> <p>b) concrete M30 1,05 m³</p> <p>c) formwork 3,01 m²</p> <p>d) reinforcing steel MAG 500/560 30,00 kg</p>
<p>ITEM 3:</p> <p>Installation of a.b. foundations for mobile gallows in the following dimensions: 0,6 x0, 40x0, 6 m directly by the polyester pre-pump shaft. The price includes all the necessary material: concrete, reinforcement steel, formwork and steel profile according to the Preliminary Design for the mobile gallows</p>	<p>ITEM 3:</p> <p>Installation of RC foundations for mobile gallows in the following dimensions: 0,6 x 0,40 x 0,6 m directly by the polyester pre-pump shaft. The price includes all the necessary material: concrete, reinforcement steel, formwork and steel profile according to the Preliminary Design for the mobile gallows</p>
<p>Part 1 – Section IV: Tender Forms: Schedules of Prices / Bill of Quantities on page 63 and 64, 1) SETTLEMENTS ŠANDOROVEC and KURŠANEC, 1.2 THE PUMPING STATION – PS2, 1.2.2 MECHANICAL ENGINEERING WORKS, Item 1.00. DRIVING DEVICES</p>	
<p>INSTEAD OF:</p>	<p>NOW READS:</p>
<p>Supply, delivery and installation of submerged wastewater pumps, or equivalent. It is planned to carry out alternate work one working + one standby pump with self-cleaning impeller, characteristics: Manufacturer: _____ Type: _____ Model : _____</p> <ul style="list-style-type: none"> - headpoint Q = 23,6 l/s (by min. WL in PS) - headpoint H = 18,6 mVS <p>attachment NO 100 PN10 free passage of the ball Ø100 mm The set is supplied with:</p> <ul style="list-style-type: none"> • Stator of the pump in the class H isolation • Upper and lower mechanical seal (not rubber) • Power cable, 10 m <p>thermal overload protection with winding temperature sensor 140 ° C</p> <ul style="list-style-type: none"> • Sensor of penetration of water into the stator <p>Monitoring relay</p> <ul style="list-style-type: none"> • Upper bracket bar and chain made of stainless steel • Guides made of stainless steel Ø2', 2 x 6.0 m slider <p>chain lift, 10 m</p> <ul style="list-style-type: none"> • Special N90 °-piece (rate) NO80 for fixing guides and pressure piping to the bottom of the pool pump • Mantle cooling (guaranteed by the equipment supplier). The projected level of exclusion hI = 500 mm, the level of involvement of the leading pump HU=1440 mm (all is measured from the bottom of the pool pump), designed number of cycles max. 8 h-1, the working volume of the leading pump VR 4:00 m³ <p>level switches for indication of water levels in the</p>	<p>Supply, delivery and installation of submerged wastewater pumps, or equivalent. It is planned to carry out alternate work one working + one standby pump with self-cleaning impeller, characteristics: Manufacturer: _____ Type: _____ Model : _____</p> <ul style="list-style-type: none"> - Q=12,1 l/s - Hdob=13,3 m - attachment NO 100 PN10 - free passage of the ball Ø80 mm <p>The set is supplied with:</p> <ul style="list-style-type: none"> • Stator of the pump in the class H isolation • Upper and lower mechanical seal (not rubber) • Power cable, 10 m <p>thermal overload protection with winding temperature sensor 140 ° C</p> <p>Monitoring relay</p> <ul style="list-style-type: none"> • Upper bracket bar and chain made of stainless steel • Guides made of stainless steel Ø2', 2 x 6.0 m slider <p>chain lift, 10 m</p> <ul style="list-style-type: none"> • Special N90 °-piece (rate) NO100 for fixing guides and pressure piping to the bottom of the pool pump • Mantle cooling (guaranteed by the equipment supplier). The projected level of exclusion hI = 500 mm, the level of involvement of the leading pump HU=1440 mm (all is measured from the bottom of the pool pump), designed number of cycles max. 8 h-1, the working volume of the leading pump VR 4:00 m³ <p>level switches for indication of water levels in the</p>

pumping station, a set with mounting equipment (anchoring) and cable connection to electric cabinets in the length up to 10 meters. NOTE: Performance in the form of floating plastic watertight pear-shaped boxes with built-in microswitch. It is necessary to set the switches to the following positions: protective shutdown of pumps, pump shutdown, activation of the pump, level I. alarm, level II. alarm (5 pieces)
The price includes the delivery of spare parts provided by the manufacturer's recommendations for a three-year operation and maintenance of each pump

Controls:

Moisture sensor: without moisture sensors
Water-in-oil sensor: without water-in-oil sensor

Liquid:

Lifted liquid: any Newton liquid
Max. liquid temperature: 40 °C

Technical:

Type of impeller: VORTEX
Maximum particle size: 80 mm
Primary shaft seal: SIC/SIC
Secondary shaft seal: CARBON/CERAMICS
Approvals on nameplate: LGA
Curve tolerance: ISO 9906: 1999 Annex A

Materials:

Pump housing: EN-GJL-200
EN-GJL-200
Impeller: EN-GJL-200
EN-GJL-200
Engine: : EN-GJL-200
EN-GJL-200

Installation:

Maximum ambient temperature: 40 °C
Flange standard: DIN
Pump inlet: 80
Pump outlet: 80
Pressure stage: PN 10
Maximum installation depth: 20 m
Framework size: C

Electrical data:

Number of poles: 2
Power input - P1: 6.9 kW
Rated power - P2: 6 kW
Mains frequency: 50 Hz
Rated voltage: 3 x 380-415 V
Voltage tolerance: +10/-10 %
Start. method: star/delta
Max starts per. hour: 20

pumping station, a set with mounting equipment (anchoring) and cable connection to electric cabinets in the length up to 10 meters. NOTE: Performance in the form of floating plastic watertight pear-shaped boxes with built-in microswitch. It is necessary to set the switches to the following positions: protective shutdown of pumps, pump shutdown, activation of the pump, level I. alarm, level II. alarm (5 pieces)
The price includes the delivery of spare parts provided by the manufacturer's recommendations for a three-year operation and maintenance of each pump

Controls:

Moisture sensor: without moisture sensors
Water-in-oil sensor: without water-in-oil sensor

Liquid:

Lifted liquid: any Newton liquid
Max. liquid temperature: 40 °C

Technical:

Type of impeller: S-tube
Maximum particle size: 80 mm
Primary shaft seal: SIC/SIC
Secondary shaft seal: CARBON/CERAMICS
Approvals on nameplate: LGA
Curve tolerance: ISO 9906: 1999 Annex A

Materials:

Pump housing: Cast iron
EN-GJL-200
Impeller: Cast iron
EN-GJL-200
Engine: Cast iron
EN-GJL-200

Installation:

Maximum ambient temperature: 40 °C
Flange standard: DIN
Pump inlet: 100
Pump outlet: 100
Pressure stage: PN 10
Maximum installation depth: 20 m
Framework size: C

Electrical data:

Number of poles: 4
Power input - P1: 4.8 kW
Rated power - P2: 4 kW
Mains frequency: 50 Hz
Rated voltage: 3 x 400-415 V
Voltage tolerance: +10/-10 %
Start. method: direct-on-line
Max starts per. hour: 20

<p>Rated current: 12,8-12,4 A Rated current at 3/4 load: 9,7 A Rated current at 1/2 load: 7.7 A Starting current: 122 A Rated current at no load: 5.3 A Cos phi - power factor: 0,84 Cos phi - p.f. at 3/4 load: 0,78 Cos phi - p.f. at 1/2 load: 0,68 Rated speed: 2940 rpm Motor efficiency at full load: 86,4 % Motor efficiency at 3/4 load: 85,2 % Motor efficiency at 1/2 load: 81,9 % Enclosure class (IEC 34-5): IP68 Insulation class (IEC 85): F Explosion proof: no Length of cable: 10 m Cable type: LYNIFLEX</p>	<p>Rated current: 9,7-9,8 A Rated current at 3/4 load: 7.9 A Rated current at 1/2 load: 6.9 A Starting current: 51 A Rated current at no load: 5.8 A Cos phi - power factor: 0,75 Cos phi - p.f. at 3/4 load: 0,66 Cos phi - p.f. at 1/2 load: 0,53 Rated speed: 1460 rpm Motor efficiency at full load: 83,6 % Motor efficiency at 3/4 load: 82,3 % Motor efficiency at 1/2 load: 78,6 % Enclosure class (IEC 34-5): IP68 Insulation class (IEC 85): F Ex-protection standard: N Length of cable: 15 m Cable type: LYNIFLEX</p>
<p>Part 1 – Section IV: Tender Forms: Schedules of Prices / Bill of Quantities on page 76, 2) SETTLEMENT TOTOVEC, 2.1. SANITARY SEWERAGE NETWORK, ITEM 6.</p>	
<p>INSTEAD OF:</p> <p>Excavation of macadam in a layer of 30 cm where the sewerage lies under the roads and where the sewerage crosses the road, driveway and pedestrian entrance. The price includes the transport from the place of excavation to permanent disposal site.</p>	<p>NOW READS:</p> <p>Excavation of macadam in a layer of 40 cm where the sewerage lies under the roads and where the sewerage crosses the road, driveway and pedestrian entrance. The price includes the transport from the place of excavation to permanent disposal site.</p>
<p>Part 1 – Section IV: Tender Forms: Schedules of Prices / Bill of Quantities on page 77 2) SETTLEMENT TOTOVEC, 2.1 SANITARY SEWERAGE NETWORK, II. EARTH WORKS</p>	
<p>INSTEAD OF:</p> <p>ITEM 4: Procurement, supply and installation of fine gravel (grain size 4 - 16 mm) on the sections with groundwater to produce substrate thickness of 10 cm below the sewerage tube from the previous alignment of the channel bottom elevation of the longitudinal profile with an accuracy + / - 1 cm.</p> <p>ITEM 5: Procurement, supply and installation of fine gravel (grain size 6-16 mm) on the sections with an underground water in the pipe zone (up to 30 cm above the pipe crown) by carefully tamping in layers up to 30 cm.</p>	<p>NOW READS:</p> <p>ITEM 4: Procurement, supply and installation of fine gravel (grain size 8 - 16 mm) on the sections with groundwater to produce substrate thickness of 10 cm below the sewerage tube from the previous alignment of the channel bottom elevation of the longitudinal profile with an accuracy + / - 1 cm.</p> <p>ITEM 5: Procurement, supply and installation of fine gravel (grain size 8-16 mm) on the sections with an underground water in the pipe zone (up to 30 cm above the pipe crown) by carefully tamping in layers up to 30 cm.</p>
<p>Part 1 – Section IV: Tender Forms: Schedules of Prices / Bill of Quantities on page 86 1) SETTLEMENT TOTOVEC, 2.2 THE PUMPING STATION – PS1, 2.2.1 CONSTRUCTION WORKS, IV / CONCRETE AND REINFORCEMENT STEEL BENDING WORKS</p>	
<p>INSTEAD OF:</p> <p>ITEM 1: Installation of a.b. foundations in the following dimensions: 1.75x0, 40x1, 50 m for the insulated polyester separator. The price includes:</p>	<p>NOW READS:</p> <p>ITEM1: Installation of RC slab in the following dimensions: 2,25 x 2,25 x 0,25 m for the insulated polyester separator. The price includes:</p>

a) concrete MB 30 2,6 m ³ b) formwork 7,18 m ² c) reinforcing steel MAG 500/560 150,00 kg	a) concrete MB 30 2,6 m ³ b) formwork 7,18 m ² c) reinforcing steel MAG 500/560 150,00 kg
ITEM 2: Installation of a.b. foundations in the following dimensions: 1.75x0,40x1,50 m for the insulated polyester separator. The price includes: a) excavation 1,75x0,40x0,80 0,56 m ³ b) concrete M30 1,05 m ³ c) formwork 3,01 m ² d) reinforcing steel MAG 500/560 30,00 kg	ITEM 2: Installation of RC foundations in the following dimensions: 1,75 x 0,40 x 1,50 m for the insulated polyester separator. The price includes: a) excavation 1,75x0,40x0,80 0,56 m ³ b) concrete M30 1,05 m ³ c) formwork 3,01 m ² d) reinforcing steel MAG 500/560 30,00 kg
ITEM 3: Installation of a.b. foundations for mobile gallows in the following dimensions: 0,6 x0,40x0,6 m directly by the polyester pre-pump shaft. The price includes all the necessary material: concrete, reinforcement steel, formwork and steel profile according to the Preliminary Design for the mobile gallows	ITEM 3: Installation of RC foundations for mobile gallows in the following dimensions: 0,6 x 0,40 x 0,6 m directly by the polyester pre-pump shaft. The price includes all the necessary material: concrete, reinforcement steel, formwork and steel profile according to the Preliminary Design for the mobile gallows
Part 1 – Section IV: Tender Forms: Schedules of Prices / Bill of Quantities on page 88 and 89, 2) SETTLEMENT TOTOVEC, 2.2./THE PUMPING STATION – PS1, 2.2.2. MECHANICAL ENGINEERING WORKS, Item 1.00. DRIVING DEVICES	
INSTEAD OF:	NOW READS:
Supply, delivery and installation of submerged wastewater pumps or equivalent. It is planned to carry out alternate work one working + one standby pump with self-cleaning impeller Manufacturer: _____ Type: _____ Model : _____ - headpoint Q = 23,6 l/s (by min. WL in PS) - headpoint H = 18,6 mVS attachment NO 80 PN10 free passage of the ball Ø80 mm The set is supplied with: • Stator of the pump in the class H isolation • Upper and lower mechanical seal (not rubber) • Power cable, 10 m thermal overload protection with winding temperature sensor 140 ° C • Sensor of penetration of water into the stator Monitoring relay • Upper bracket bar and chain made of stainless steel • Guides made of stainless steel Ø2', 2 x 6.0 m slider chain lift, 10 m • Special N90°-piece (rate) NO80 for fixing guides and pressure piping to the bottom of the pool pump • Mantle cooling (guaranteed by the equipment supplier). The projected level of exclusion hI = 500 mm, the level of involvement of the leading pump HU=1440 mm (all is measured from the	Supply, delivery and installation of submerged wastewater pumps or equivalent. It is planned to carry out alternate work one working + one standby pump with self-cleaning impeller Manufacturer: _____ Type: _____ Model : _____ - headpoint Q = 8,1 l/s - headpoint H = 21,5 mVS attachment NO 80 PN10 free passage of the ball Ø80 mm The set is supplied with: • Stator of the pump in the class H isolation • Upper and lower mechanical seal (not rubber) • Power cable, 10 m thermal overload protection with winding temperature sensor 140 ° C Monitoring relay • Upper bracket bar and chain made of stainless steel • Guides made of stainless steel Ø2', 2 x 6.0 m slider chain lift, 10 m • Special N90°-piece (rate) NO80 for fixing guides and pressure piping to the bottom of the pool pump • Mantle cooling (guaranteed by the equipment supplier). The projected level of exclusion hI = 500 mm, the level of involvement of the leading pump HU=1440 mm (all is measured from the bottom of the pool pump), designed number of

bottom of the pool pump), designed number of cycles max. 8 h-1, the working volume of the leading pump VR 4:00 m³
level switches for indication of water levels in the pumping station, a set with mounting equipment (anchoring) and cable connection to electric. Cabinets in the length up to 10 meters. NOTE: Performance in the form of floating plastic watertight pear-shaped boxes with built-in microswitch. It is necessary to set the switches to the following positions: protective shutdown of pumps, pump shutdown, activation of the pump, level I. alarm, level II. alarm (5 pieces)
Controls:
Moisture sensor: without moisture sensors
Water-in-oil sensor: without water-in-oil sensor

Liquid:
Lifted liquid: 0
Max. Liquid temperature: 40 °C
Liquid temperature: 20 °C
The kinematic viscosity of 1 mm² / s

Technical:
Really calculate flow: 12.1 l / s
Altitude pump head: 3.13 m
Impeller type: S-pipe
Maximum particle size: 80 mm
Primary shaft seal: SIC/SIC
Secondary shaft seal: CARBON/CERAMICS
Approvals on nameplate: EN12050-1
Curve tolerance: ISO 9906: 1999 Annex A

Materials:
Pump housing: EN-GJL-200
EN-GJL-200
Impeller: EN-GJL-250
EN-GJL-200
Engine: : EN-GJL-200
EN-GJL-200

Installation:
Maximum ambient temperature: 40 °C
Flange standard: DIN
Pump inlet: 100
Pump outlet: 100
Pressure stage: PN 10
Maximum installation depth: 20 m
Framework size: C

Electrical data:
Number of poles: 4
Power input - P1: 4.8 kW
Rated power - P2: 4 kW

cycles max. 8 h-1, the working volume of the leading pump VR 4:00 m³
level switches for indication of water levels in the pumping station, a set with mounting equipment (anchoring) and cable connection to electric. Cabinets in the length up to 10 meters. NOTE: Performance in the form of floating plastic watertight pear-shaped boxes with built-in microswitch. It is necessary to set the switches to the following positions: protective shutdown of pumps, pump shutdown, activation of the pump, level I. alarm, level II. alarm (5 pieces)
Controls:
Moisture sensor: without moisture sensors
Water-in-oil sensor: without water-in-oil sensor

Liquid:
Lifted liquid: 0
Max. Liquid temperature: 40 °C
Liquid temperature: 20 °C
The kinematic viscosity of 1 mm² / s

Technical:
Really calculate flow: 8.1 l / s
Altitude pump head: 21,5 m
Impeller type: Super VORTEX
Maximum particle size: 80 mm
Primary shaft seal: SIC/SIC
Secondary shaft seal: CARBON/CERAMICS
Approvals on nameplate: EN12050-1
Curve tolerance: ISO 9906: 1999 Annex A

Materials:
Pump housing: Cast iron
EN-GJL-200
Impeller: Cast iron
EN-GJL-200
Engine: : Cast iron
EN-GJL-200

Installation:
Maximum ambient temperature: 40 °C
Flange standard: DIN
Pump inlet: 80
Pump outlet: 80
Pressure stage: PN 10
Maximum installation depth: 20 m
Framework size: C

Electrical data:
Number of poles: 2
Power input - P1: 6.9 kW
Rated power - P2: 6 kW
Mains frequency: 50 Hz

<p>Mains frequency: 50 Hz Rated voltage: 3 x 400-415 V Voltage tolerance: +10/-10 % Start. method: direkt-on-line Max starts per. hour: 20 Rated current: 9,7-9,8 A Rated current at 3/4 load: 7,9 A Rated current at 1/2 load: 6,9 A Starting current: 51 A Rated current at no load: 5.8 A Cos phi - power factor: 0,75 Cos phi - p.f. at 3/4 load: 0,66 Cos phi - p.f. at 1/2 load: 0,53 Rated speed: 1460 rpm Motor efficiency at full load: 83,6 % Motor efficiency at 3/4 load: 82,3 % Motor efficiency at 1/2 load: 78,6 % Enclosure class (IEC 34-5): IP68 Insulation class (IEC 85): F Explosion proof: no Length of cable: 15 m Cable type: LYNIFLEX</p>	<p>Rated voltage: 3 x 380-415 V Voltage tolerance: +10/-10 % Start. method: star/delta Max starts per. hour: 20 Rated current: 12,8-12,4 A Rated current at 3/4 load: 9.7 A Rated current at 1/2 load: 7.7 A Starting current: 122 A Rated current at no load: 5.3 A Cos phi - power factor: 0,84 Cos phi - p.f. at 3/4 load: 0,78 Cos phi - p.f. at 1/2 load: 0,68 Rated speed: 2940 rpm Motor efficiency at full load: 86,4 % Motor efficiency at 3/4 load: 85,2 % Motor efficiency at 1/2 load: 81,9 % Enclosure class (IEC 34-5): IP68 Insulation class (IEC 85): F Ex-protection standard: N Length of cable: 10 m Cable type: LYNIFLEX</p>
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**Part 1 – Section IV: Tender Forms: Schedules of Prices / Bill of Quantities on page 101, 3)
SETTLEMENT NOVOSELO NA DRAVI, 3.1. SANITARY SEWERAGE NETWORK, ITEM 6.**

INSTEAD OF:	NOW READS:
Excavation of macadam in a layer of 30 cm where the sewerage lies under the roads and where the sewerage crosses the road, driveway and pedestrian entrance. The price includes the transport from the place of excavation to permanent disposal site	Excavation of macadam in a layer of 40 cm where the sewerage lies under the roads and where the sewerage crosses the road, driveway and pedestrian entrance. The price includes the transport from the place of excavation to permanent disposal site

**Part 1 – Section IV: Tender Forms: Schedules of Prices / Bill of Quantities on page 102
3) SETTLEMENT NOVO SELO NA DRAVI, 3.1 SANITARY SEWERAGE NETWORK, II.
EARTH WORKS**

INSTEAD OF:	NOW READS:
<p>ITEM 4: Procurement, supply and installation of fine gravel (grain size 4 - 16 mm) on the sections with groundwater to produce substrate thickness of 10 cm below the sewerage tube from the previous alignment of the channel bottom elevation of the longitudinal profile with an accuracy + / - 1 cm.</p>	<p>ITEM 4: Procurement, supply and installation of fine gravel (grain size 8 - 16 mm) on the sections with groundwater to produce substrate thickness of 10 cm below the sewerage tube from the previous alignment of the channel bottom elevation of the longitudinal profile with an accuracy + / - 1 cm.</p>
<p>ITEM 5: Procurement, supply and installation of fine gravel (grain size 6-16 mm) on the sections with an underground water in the pipe zone (up to 30 cm above the pipe crown) by carefully tamping in layers up to 30 cm.</p>	<p>ITEM 5: Procurement, supply and installation of fine gravel (grain size 8-16 mm) on the sections with an underground water in the pipe zone (up to 30 cm above the pipe crown) by carefully tamping in layers up to 30 cm.</p>

**Part 1 – Section IV: Tender Forms: Schedules of Prices / Bill of Quantities on page 110
3) SETTLEMENT NOVO SELO NA DRAVI, 3.2 THE PUMPING STATION – PS3, 3.2.1
CONSTRUCTION WORKS, IV / CONCRETE AND REINFORCEMENT STEEL BENDING**

WORKS	
INSTEAD OF:	NOW READS:
<p>ITEM 1: Installation of a.b. foundations in the following dimensions: 1.75x0, 40x1, 50 m for the insulated polyester separator. The price includes:</p> <p>a) concrete MB 30 2,6 m³ b) formwork 7,18 m² c) reinforcing steel MAG 500/560 150,00 kg</p>	<p>ITEM 1: Installation of RC slab in the following dimensions: 2,25 x 2,25 x 0,25 m for the insulated polyester separator. The price includes:</p> <p>a) concrete MB 30 2,6 m³ b) formwork 7,18 m² c) reinforcing steel MAG 500/560 150,00 kg</p>
<p>ITEM 2: Installation of a.b. foundations in the following dimensions: 1.75x0, 40x1, 50 m for the insulated polyester separator. The price includes:</p> <p>a) excavation 1,75x0,40x0,80 0,56 m³ b) concrete M30 1,05 m³ c) formwork 3,01 m² d) reinforcing steel MAG 500/560 30,00 kg</p>	<p>ITEM 2: Installation of RC foundations in the following dimensions: 1,75 x 0,40 x 1,50 m for the insulated polyester separator. The price includes:</p> <p>a) excavation 1,75x0,40x0,80 0,56 m³ b) concrete M30 1,05 m³ c) formwork 3,01 m² d) reinforcing steel MAG 500/560 30,00 kg</p>
<p>ITEM 3: Installation of a.b. foundations for mobile gallows in the following dimensions: 0,6 x0, 40x0, 6 m directly by the polyester pre-pump shaft. The price includes all the necessary material: concrete, reinforcement steel, formwork and steel profile according to the Preliminary Design for the mobile gallows</p>	<p>ITEM 3: Installation of RC foundations for mobile gallows in the following dimensions: 0,6 x 0,40 x 0,6 m directly by the polyester pre-pump shaft. The price includes all the necessary material: concrete, reinforcement steel, formwork and steel profile according to the Preliminary Design for the mobile gallows</p>
<p>Part 1 – Section IV: Tender Forms: Schedules of Prices / Bill of Quantities on page 113 and 114 3) SETTLEMENT NOVO SELO NA DRAVI, 3.2. THE PUMPING STATION – PS3, 3.2.2. MECHANICAL ENGINEERING WORKS, Item 1.00. DRIVING DEVICES</p>	
INSTEAD OF:	NOW READS:
<p>Supply, delivery and installation of submerged wastewater pumps or equivalent. It is planned to carry out alternate work one working + one standby pump with self-cleaning impeller Manufacturer: _____ Type: _____ Model : _____</p> <p>- headpoint Q = 23,6 l/s (by min. WL in PS) - headpoint H = 18,6 mVS</p> <ul style="list-style-type: none"> • attachment NO 100 PN10 <p>free passage of the ball Ø100 mm</p> <p>The set is supplied with:</p> <ul style="list-style-type: none"> • Stator of the pump in the class H isolation • Upper and lower mechanical seal (not rubber) • Power cable, 10 m <p>thermal overload protection with winding temperature sensor 140 ° C</p> <ul style="list-style-type: none"> • Sensor of penetration of water into the stator <p>Monitoring relay</p> <ul style="list-style-type: none"> • Upper bracket bar and chain made of stainless steel • Guides made of stainless steel Ø2', 2 x 6.0 m slider <p>chain lift, 10 m</p>	<p>Supply, delivery and installation of submerged wastewater pumps or equivalent. It is planned to carry out alternate work one working + one standby pump with self-cleaning impeller Manufacturer: _____ Type: _____ Model : _____</p> <p>- headpoint Q = 23,5 l/s - headpoint H = 18,7 mVS</p> <ul style="list-style-type: none"> • attachment NO 100 PN10 <p>free passage of the ball Ø80 mm</p> <p>The set is supplied with:</p> <ul style="list-style-type: none"> • Stator of the pump in the class H isolation • Upper and lower mechanical seal (not rubber) • Power cable, 10 m <p>thermal overload protection with winding temperature sensor 140 ° C</p> <p>Monitoring relay</p> <ul style="list-style-type: none"> • Upper bracket bar and chain made of stainless steel • Guides made of stainless steel Ø2', 2 x 6.0 m slider <p>chain lift, 10 m</p>

- Special N90 °-piece (rate) NO80 for fixing guides and pressure piping to the bottom of the pool pump
- Mantle cooling (guaranteed by the equipment supplier). The projected level of exclusion hI = 500 mm, the level of involvement of the leading pump HU=1440 mm (all is measured from the bottom of the pool pump), designed number of cycles max. 8 h-1, the working volume of the leading pump VR 4:00 m3

level switches for indication of water levels in the pumping station, a set with mounting equipment (anchoring) and cable connection to electric. Cabinets in the length up to 10 meters. NOTE: Performance in the form of floating plastic watertight pear-shaped boxes with built-in microswitch. It is necessary to set the switches to the following positions: protective shutdown of pumps, pump shutdown, activation of the pump, level I. alarm, level II. alarm (5 pieces)

Controls:
 Moisture sensor: without moisture sensors
 Water-in-oil sensor: without water-in-oil sensor

Liquid:
 Lifted liquid: 0
 Max. Liquid temperature: 40 °C
 Liquid temperature: 20 °C
 The kinematic viscosity of 1 mm² / s

Technical:
 Really calculate flow: 23.5 l / s
 Altitude pump head: 18.7 m
 Impeller type: S-pipe
 Maximum particle size: 80 mm
 Primary shaft seal: SIC/SIC
 Secondary shaft seal: CARBON/CERAMICS
 Approvals on nameplate: EN12050-1
 Curve tolerance: ISO 9906: 1999 Annex A

Materials:
 Pump housing: EN-GJL-200
 EN-GJL-200
 Impeller: EN-GJL-250
 EN-GJL-200
 Engine: : EN-GJL-200
 EN-GJL-200

Installation:
 Maximum ambient temperature: 40 °C
 Flange standard: DIN
 Pump inlet: 100
 Pump outlet: 100
 Pressure stage: PN 10

- Special N90 °-piece (rate) NO100 for fixing guides and pressure piping to the bottom of the pool pump
- Mantle cooling (guaranteed by the equipment supplier). The projected level of exclusion hI = 500 mm, the level of involvement of the leading pump HU=1440 mm (all is measured from the bottom of the pool pump), designed number of cycles max. 8 h-1, the working volume of the leading pump VR 4:00 m3

level switches for indication of water levels in the pumping station, a set with mounting equipment (anchoring) and cable connection to electric. Cabinets in the length up to 10 meters. NOTE: Performance in the form of floating plastic watertight pear-shaped boxes with built-in microswitch. It is necessary to set the switches to the following positions: protective shutdown of pumps, pump shutdown, activation of the pump, level I. alarm, level II. alarm (5 pieces)

Controls:
 Moisture sensor: without moisture sensors
 Water-in-oil sensor: without water-in-oil sensor

Liquid:
 Lifted liquid: 0
 Max. Liquid temperature: 40 °C
 Liquid temperature: 20 °C
 The kinematic viscosity of 1 mm² / s

Technical:
 Really calculate flow: 23.5 l / s
 Altitude pump head: 18.7 m
 Impeller type: S-tube
 Maximum particle size: 80 mm
 Primary shaft seal: SIC/SIC
 Secondary shaft seal: CARBON/CERAMICS
 Approvals on nameplate: EN12050-1
 Curve tolerance: ISO 9906: 1999 Annex A

Materials:
 Pump housing: Cast iron
 EN-GJL-200
 Impeller: Cast iron
 EN-GJL-200
 Engine: : Cast iron
 EN-GJL-200

Installation:
 Maximum ambient temperature: 40 °C
 Flange standard: DIN
 Pump inlet: 100
 Pump outlet: 100
 Pressure stage: PN 10

<p>Maximum installation depth: 20 m Framework size: D</p> <p>Electrical data: Number of poles: 4 Power input - P1: 8,6 kW Rated power - P2: 7,5 kW Mains frequency: 50 Hz Rated voltage: 3 x 400-415 V Voltage tolerance: +10/-10 % Start. method: direkt-on-line Max starts per. hour: 20 Rated current: 15,2-14,9 A Rated current at 3/4 load: 11,4 A Rated current at 1/2 load: 8,8 A Starting current: 109 A Rated current at no load: 5.4 A Cos phi - power factor: 0,86 Cos phi - p.f. at 3/4 load: 0,81 Cos phi - p.f. at 1/2 load: 0,72 Rated speed: 1460 rpm Motor efficiency at full load: 87,0 % Motor efficiency at 3/4 load: 87,2 % Motor efficiency at 1/2 load: 85,7 % Enclosure class (IEC 34-5): IP68 Insulation class (IEC 85): F Explosion proof: no Length of cable: 15 m Cable type: LYNIFLEX</p>	<p>Maximum installation depth: 20 m Framework size: D</p> <p>Electrical data: Number of poles: 4 Power input - P1: 8,6 kW Rated power - P2: 7,5 kW Mains frequency: 50 Hz Rated voltage: 3 x 400-415 V Voltage tolerance: +10/-10 % Start. method: direkt-on-line Max starts per. hour: 20 Rated current: 15,2-14,9 A Rated current at 3/4 load: 11,4 A Rated current at 1/2 load: 8,8 A Starting current: 109 A Rated current at no load: 5.4 A Cos phi - power factor: 0,86 Cos phi - p.f. at 3/4 load: 0,81 Cos phi - p.f. at 1/2 load: 0,72 Rated speed: 1460 rpm Motor efficiency at full load: 87,0 % Motor efficiency at 3/4 load: 87,2 % Motor efficiency at 1/2 load: 85,7 % Enclosure class (IEC 34-5): IP68 Insulation class (IEC 85): F Explosion proof: no Length of cable: 15 m Cable type: LYNIFLEX</p>
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Part 2 – Section VI: Requirements, VI.2.2 TECHNICAL SPECIFICATIONS FOR MECHANICAL WORKS, 1 GENERAL, 1.1 SCOPE OF WORKS, pg 249

INSTEAD OF:	NOW READS:
<p>The Mechanical works include preparation of detailed design, delivery to site, storage, installation, connections to networks, commissioning and putting into operation, testing of mechanical equipment and training/instruction of the Employers staff in operation and maintenance procedures which shall be fully satisfied prior to issue a Certificate of Completion.</p> <p>All equipment and materials to be incorporated in the Works shall be new, unused products of reputable, experienced manufacturers. Similar items in the project shall be the products of the same manufacturer. All equipment and materials shall be of industrial grade and of standard construction.</p> <p>The Mechanical works foreseen to be performed as a part of a construction of sewerage system Novo Selo na Dravi (pumping stations, connecting pipes and collectors) do include preparation of detailed design, the execution of necessary installations</p>	<p>The Mechanical works include preparation of detailed design, delivery to site, storage, installation, connections to networks, commissioning and putting into operation, testing of mechanical equipment and training/instruction of the Employers staff in operation and maintenance procedures which shall be fully satisfied prior to issue a Certificate of Completion.</p> <p>All equipment and materials to be incorporated in the Works shall be new, unused products of reputable, experienced manufacturers. Similar items in the project shall be the products of the same manufacturer. All equipment and materials shall be of industrial grade and of standard construction.</p> <p>The Mechanical works foreseen to be performed as a part of a construction of sewerage system Novo Selo na Dravi (pumping stations, connecting pipes and collectors) do include preparation of detailed design, the execution of necessary installations</p>

<p>and equipment, testing, training, delivery of As Built Design and Operation & Installation Manuals, participation in technical inspection of works executed , take over and all other activities to successfully give over works performed to the Employer as described is this part of tender document and as given in BOQ.</p> <p>The sewerage system Novo Selo na Dravi shall be mainly provided with the following mechanical installations, structures and fully functional equipment (but not limited to):</p> <ul style="list-style-type: none"> • three complete pumping stations PS1 Totovec, PS2 Šandorovec and PS Novo Selo na Dravi, each pumping station is equipped with 2 pumps,1 working and 1 reserve, • Control system for pumps control, so each time other pump is switched • all stainless steel pipe works within pumping station • all necessary valves and fittings • all necessary covers, platforms and ladders • for pumping stations particular requirements related to pumps are: for PS1 Totovec 2 pumps with Q=13 l/s, H=26,6 m, P=10,5 kW, PS2 Šandorovec 2 pumps with Q=23,3 l/s, H=9,8 m, P=6,5 kW and PS Novo Selo na Dravi 2 pumps with Q=43,7 l/s, H=11,4 m, P=9 kW 	<p>and equipment, testing, training, delivery of As Built Design and Operation & Installation Manuals, participation in technical inspection of works executed , take over and all other activities to successfully give over works performed to the Employer as described is this part of tender document and as given in BOQ.</p> <p>The sewerage system Novo Selo na Dravi shall be mainly provided with the following mechanical installations, structures and fully functional equipment (but not limited to):</p> <ul style="list-style-type: none"> • three complete pumping stations PS1 Totovec, PS2 Šandorovec and PS Novo Selo na Dravi, each pumping station is equipped with 2 pumps,1 working and 1 reserve, • Control system for pumps control, so each time other pump is switched • all stainless steel pipe works within pumping station • all necessary valves and fittings • all necessary covers, platforms and ladders • for pumping stations particular requirements related to pumps are: for PS1 Totovec 2 pumps with Q=8,1 l/s, H=21,5 m, P=6,9 kW, PS2 Šandorovec 2 pumps with Q=12,1 l/s, H=13,3 m, P=4,8 kW and PS Novo Selo na Dravi 2 pumps with Q=23,5 l/s, H=18,7 m, P=8,6 kW
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The above listed addenda's / corrections are hereby considered as an integral part of Tender Document for Procurement of Works.

Attached to this Addendum is the new Schedule of prices / Bill of Quantities (pgs. 50 to 126) in hard copy, signed and stamped, and delivered to all potential Tenderers pursuant to ITT clause 8.2.

The potential Tenderers are notified that the Employer is not extending the deadline for the submission of Tenders, pursuant to ITT clause 8.3 and 22.2.