|  |  |
| --- | --- |
| Action: | The Upgrade of the Iron Gate I Navigational Lock |
| Code: | 2016-RS-TA-0073-W |
| MCTI reference: | 404-00-27/2018-06 |
| Type of document: | Corrigendum No 2 to Tender Dossier |
| Number of pages: | 31 |
| Number of attachments: | - |
| Date: | *13.09.2018* |

**CORRIGENDUM NO 4 TO TD**

**The following alterations are made to the Tender Dossier**

**(alterations in bold italics)**

|  |
| --- |
| **Volume 3-Part 3-PARTICULAR EMPLOYERS REQUIREMENTS**  **Section 4, 12.1.2.3. pg 149** |

**The former text**

In the items below is define the scope of works for each type of crane, Contractor shall made ITP (Inspection Test Plan) as Check List, which shall be official approved by Engineer.

1. Gantry cranes on the upper head

For steel gantry structure with associated components, the following works shall be executed:

* sandblasting (Sа 21/2 according to Swedish standard SIS 05 59 00) of complete steel structure
* visual inspection of complete steel structure (each support leg and arm, rails, steel covers, weld, joint and bolt connection between each part…),
* inspection of surface condition, internal defects and checking of steel sheet thickness,
* inspection of welds; 100% range - visually, surface methods (MT / PT), volume method (UT) and only where it is possible and where ultrasound tests do not provide adequate results radiography testing (RT) can be performed.
* geodetic control survey of the geometry of structure and all rails for trolley and crane,
* geodetic control survey of the geometry of structure under 115% static load.
* for the supporting leg on the upstream river side, for crane on coast side, which is deformed due to icing and has surface cracks it is necessary to carry out an additional calculation of load capacity. Take into account that when the permanent plastic deformation of the leg is observed, the stress has been reached and that there is no longer any elasticity in the material in this zone. In design documentation and calculation, Contractor should suggest replacement or reparation a part of the leg in this zone.

In compliance with damages assessed by inspection of status, the gantry structure shall be repaired and any damaged parts, which cannot be retained for further use, shall be replaced. After reparation of damaged parts, testing for parts of structure where works were executed, shall be repeated and complete corrosion, protection shall be reapplied according to the method, which is official approved by Engineer.

Welded seams with unacceptable indications should be repaired by grinding and welding with the approval of the Engineer, according to the Clause 5.4.1. Welding.

For hoisting mechanisms, the following works shall be executed:

* inspection for defects and servicing or replacing with new ones: gearbox, steel wire rope drum, all sheaves, hook, underload and overload mechanism, drum and drum drive for winding of cable for electrohydraulic lifting beam, all shafts and bearings,
* inspection for defects and servicing with replacement of overload and underload mechanism parts, if required,
* measurement of gaps in wheel bearing trolleys
* measurement of gaps in wheel bearing and visual control of wheels,
* replacement of existing steel wire ropes, brake mechanisms, couplings and limit switches by new ones,
* installation of weighing scale.

For gantry travel mechanism, the following works shall be executed:

* visual control of mechanism and steel support structure for each wheels,
* measurement of gaps in wheel bearing and visual control of wheels,
* replacement of gearbox,
* replacement of locking and clamping device,
* replacement of existing braking mechanism, couplings and limit switches by new ones.

For slewing jib mechanism, the following works shall be executed:

* visual inspection, measurements and non-destructive tests as was already stated above for hoisting and traveling mechanism,
* inspection for defects and servicing of gearbox,
* replacement of existing braking mechanism, couplings and limit switches by new ones.

In addition to the above, the following works shall be performed:

* inspection and cleaning of anchor bollards for dynamometer and supports for all bumpers with repair of identified damages and renewal of corrosion protection,
* measuring the hardness on the treads of the all wheels on each part of crane if the visual inspection determines that it is necessary;
* repair of the driver’s cabin structure on the gantry with replacement of wall and roof cladding by thermal insulation panels, replacement of skylight and door, and renewal of corrosion protection; furnished with operator's chair and air-conditioner,
* replacement of power cable winding mechanism with drive,
* replacement of all bumpers,
* replacement of supports for rails with checking the straightness of the rails,
* provide radio remote control for manipulation with crane from ground,
* provide drainage in anchor bollard,
* mechanical moving parts (as travel wheels, gears, reeving) of the crane shall be guarded. The guards shall be fabricated in non-sparking material when cranes operate in hazardous areas. Plastic guards are not allowed.

2. Gantry cranes on the middle head

For steel gantry structure with associated components, the following works shall be executed:

* sandblasting (Sа 21/2 according to Swedish standard SIS 05 59 00) of complete steel structure
* visual inspection of complete steel structure (each support leg and arm, rails, steel covers, weld, joint and bolt connection between each part…),
* inspection of surface condition, internal defects and checking of steel sheet thickness,
* inspection of welds; 100% range - visually, surface methods (MT / PT), volume method (UT) and only where it is possible and where ultrasound tests do not provide adequate results radiography testing (RT) can be performed.
* geodetic control survey of the geometry of structure and all rails for trolley and crane,
* geodetic control survey of the geometry of structure under 115% static load.

In compliance with damages assessed by inspection of status, the gantry structure shall be repaired and any damaged parts, which cannot be retained for further use, shall be replaced. After reparation of damaged parts, testing for parts of structure where works were executed, shall be repeated and complete corrosion, protection shall be reapplied according to the method, which is official approved by Engineer.

Welded seams with unacceptable indications should be repaired by grinding and welding with the approval of the Engineer, according to the Clause 5.4.1. Welding.

For hoisting mechanisms, the following works shall be executed:

* inspection for defects and servicing or replacing with new ones: gearbox, steel wire rope drum, all sheaves, hook, underload and overload mechanism, drum and drum drive for winding of cable for electrohydraulic lifting beam, all shafts and bearings
* inspection for defects and servicing with replacement of overload and underload mechanism parts, if required,
* measurement of gaps in wheel bearing trolleys
* measurement of gaps in wheel bearing and visual control of wheels,
* replacement of existing steel wire ropes, brake mechanisms, couplings and limit switches by new ones,
* installation of weighing scale.

For gantry travel mechanism, the following works shall be executed:

* visual control of mechanism and steel support structure for each wheels,
* measurement of gaps in wheel bearing and visual control of wheels,
* replacement of gearbox,
* replacement of locking and clamping device,
* replacement of existing braking mechanism, couplings and limit switches by new ones.

Auxiliary hoist of 50 kN hoisting capacity with appurtenant mechanisms for lifting, travel and control, shall be completely replaced by a new one of equal hoisting capacity.

In addition to the above, the following works shall be performed:

* inspection and cleaning of anchor bollards for dynamometer and supports for all bumpers with repair of identified damages and renewal of corrosion protection,
* measuring the hardness on the treads of the all wheels on each part of crane if the visual inspection determines that it is necessary;
* repair of the driver’s cabin structure on the gantry with replacement of wall and roof cladding by thermal insulation panels, replacement of skylight and door, and renewal of corrosion protection; furnished with operator's chair and air-conditioner,
* replacement of power cable winding mechanism with drive,
* replacement of all bumpers,
* replacement of supports for rails with checking the straightness of the rails
* provide radio remote control for manipulation with crane from ground,
* provide drainage in anchor bollard,
* mechanical moving parts (as travel wheels, gears, reeving) of the crane shall be guarded. The guards shall be fabricated in non-sparking material when cranes operate in hazardous areas. Plastic guards are not allowed.

3. Gantry crane on the lower head

For steel gantry structure with associated components, the following works shall be executed:

* sandblasting (Sа 21/2 according to Swedish standard SIS 05 59 00) of complete steel structure
* visual inspection of complete steel structure (each support leg and arm, rails, steel covers, weld, joint and bolt connection between each part…),
* inspection of surface condition, internal defects and checking of steel sheet thickness,
* inspection of welds; 100% range - visually, surface methods (MT / PT), volume method (UT) and only where it is possible and where ultrasound tests do not provide adequate results radiography testing (RT) can be performed.
* geodetic control survey of the geometry of structure and all rails for trolley and crane,
* geodetic control survey of the geometry of structure under 115% static load.
* For the deformation of the upstream leg and the horizontal supports, which can exist from welding on the assembly, Contractor should make calculation of load capacity.

In compliance with damages assessed by inspection of status, the gantry structure shall be repaired and any damaged parts, which cannot be retained for further use, shall be replaced. After reparation of damaged parts, testing for parts of structure where works were executed, shall be repeated and complete corrosion, protection shall be reapplied according to the method, which is official approved by Engineer .

Welded seams with unacceptable indications should be repaired by grinding and welding with the approval of the Engineer, according to the Clause 5.4.1. Welding.

For hoisting mechanisms, the following works shall be executed:

* inspection for defects and servicing or replacing with new ones: gearbox, steel wire rope drum, all sheaves, hook, underload and overload mechanism, drum and drum drive for winding of cable for electrohydraulic lifting beam, all shafts and bearings,
* inspection for defects and servicing with replacement of overload and underload mechanism parts, if required,
* measurement of gaps in wheel bearing trolleys
* measurement of gaps in wheel bearing and visual control of wheels,
* replacement of existing steel wire ropes, brake mechanisms, couplings and limit switches by new ones,
* installation of weighing scale.

For gantry travel mechanism, the following works shall be executed:

* visual control of mechanism and steel support structure for each wheels,
* measurement of gaps in wheel bearing and visual control of wheels,
* replacement of gearbox,
* replacement of locking and clamping device,
* replacement of existing braking mechanism, couplings and limit switches by new ones.

For the crab travel, the following works shall be executed:

* visual inspection, measurements and non-destructive tests as was already stated above for hoisting and traveling mechanism,
* replacement of gearbox,
* replacement of existing brake mechanism, couplings and limit switches by new ones.

Auxiliary hoists of 50 kN hoisting capacity with appurtenant mechanisms for lifting, travel and control, shall be completely replaced by a new one of equal hoisting capacity.

In addition to the above, the following works shall be performed:

* inspection and cleaning of anchor bollards for dynamometer and supports for all bumpers with repair of identified damages and renewal of corrosion protection,
* measuring the hardness on the treads of the all wheels on each part of crane if the visual inspection determines that it is necessary;
* repair of the driver’s cabin structure on the gantry with replacement of wall and roof cladding by thermal insulation panels, replacement of skylight and door, and renewal of corrosion protection; furnished with operator's chair and air-conditioner,
* replacement of power cable winding mechanism with drive,
* replacement of all bumpers,
* replacement of supports for rails with checking the straightness of the rails,
* provide radio remote control for manipulation with crane from ground,
* provide drainage in anchor bollard,
* mechanical moving parts (as travel wheels, gears, reeving) of the crane shall be guarded. The guards shall be fabricated in non-sparking material when cranes operate in hazardous areas. Plastic guards are not allowed.

4. Jib cranes for lifting of maintenance gate leaves on the lower head

For steel cantilever structures with appurtenant-concreted parts on the bank and riverside, the following works shall be executed:

* sandblasting (Sа 21/2 according to Swedish standard SIS 05 59 00) of complete steel structure,
* visual inspection of complete steel structure (each support leg and arm, steel covers, weld, joint and bolt connection between each part…),
* inspection of surface condition, internal defects and checking of steel sheet thickness,
* inspection of welds; 100% range - visually, surface methods (MT / PT), volume method (UT) and only where it is possible and where ultrasound tests do not provide adequate results radiography testing (RT) can be performed.
* geodetic control survey of the geometry of structure without and under 115% static load.

In compliance with damages assessed by inspection of status, the crane structure shall be repaired and any damaged parts, which cannot be retained for further use, shall be replaced. After reparation of damaged parts, testing for parts of structure where works were executed, shall be repeated and complete corrosion, protection shall be reapplied according to the method, which is official approved by Engineer.

Welded seams with unacceptable indications should be repaired by grinding and welding with the approval of the Engineer, according to the Clause 5.4.1. Welding.

For lifting mechanisms, the following works shall be executed:

* inspection for defects and servicing or replacing with new ones: gearbox, steel wire rope drum, all sheaves, hook, underload and overload mechanism, all shafts and bearings.
* inspection for defects and servicing with replacement of overload and underload mechanism parts, if required,
* replacement of existing steel wire ropes, brake mechanisms, couplings and limit switches by new ones,
* provide radio remote control for manipulation with crane from ground,
* installation of weighing scale.

5. Small jib crane with manual chain hoist on the lower head – riverside

For steel structure with associated components, the following works shall be executed:

* sandblasting (Sа 21/2 according to Swedish standard SIS 05 59 00) of complete steel structure,
* visual inspection of complete steel structure (support, steel covers, weld, joint and bolt connection between each part…),
* inspection of surface condition, internal defects and checking of steel thickness,
* inspection of welds; 100% range - visually, surface methods (MT / PT), volume method (UT) and only where it is possible and where ultrasound tests do not provide adequate results radiography testing (RT) can be performed.
* geodetic control survey of the geometry of structure without and under 115% static load.

In compliance with damages assessed by inspection of status, the crane structure shall be repaired and any damaged parts, which cannot be retained for further use, shall be replaced. After reparation of damaged parts, testing for parts of structure where works were executed, shall be repeated and complete corrosion, protection shall be reapplied according to the method, which is official approved by Engineer.

Welded seams with unacceptable indications should be repaired by grinding and welding with the approval of the Engineer, according to the Clause 5.4.1. Welding.

6. New small jib crane with manual chain hoist on the lower head – bank side

On the bank side of lower head, should be installed new jib crane with manual chain hoist. New console crane should be designed to be similar as existing one on riverside, but with bigger capacity as it defined in technical characteristic.

* Capacity (Load) 50 kN
* Console (arm) length 3,5 m
* Manipulation manual by chain
* Lifting height 7,0 m
* Steel construction welded construction with rotary console
* Elevation of console 49,50 m.a.s.l.

Specification of new equipment, technical characteristic and drawings should be prepared and presented in design documentation. Design of this crane should be completed with all necessary parts as functional unit including anchors for fixation and appropriate civil works.

**The new text**

In the items below is define the scope of works for each type of crane, Contractor shall made ITP (Inspection Test Plan) as Check List, which shall be official approved by Engineer.

1. Gantry cranes on the upper head

For ***gantry steel structure*** with associated components, the following works shall be executed:

* sandblasting (Sа 21/2 according to Swedish standard SIS 05 59 00) of complete steel structure
* visual inspection of complete steel structure (each support leg and arm, rails, steel covers, weld, joint and bolt connection between each part…),
* inspection of surface condition, internal defects and checking of steel sheet thickness,
* inspection of welds; 100% range - visually, surface methods (MT / PT), volume method (UT) and only where it is possible and where ultrasound tests do not provide adequate results radiography testing (RT) can be performed.
* geodetic control survey of the geometry of structure and all rails for trolley and crane,
* geodetic control survey of the geometry of structure under 115% static load.
* for the supporting leg on the upstream river side, for crane on coast side, which is deformed due to icing and has surface cracks it is necessary to carry out an additional calculation of load capacity. Take into account that when the permanent plastic deformation of the leg is observed, the stress has been reached and that there is no longer any elasticity in the material in this zone. In design documentation and calculation, Contractor should suggest replacement or reparation a part of the leg in this zone.

In compliance with damages assessed by inspection of status, the gantry structure shall be repaired and any damaged parts, which cannot be retained for further use, shall be replaced. After reparation of damaged parts, testing for parts of structure where works were executed, shall be repeated and complete corrosion, protection shall be reapplied according to the method, which is official approved by Engineer.

Welded seams with unacceptable indications should be repaired by grinding and welding with the approval of the Engineer, according to the Clause 5.4.1. Welding.

For ***lifting drive*** mechanisms, the following works shall be executed:

* ***inspection and testing all existing equipment of mechanisms,***
* ***servicing or replacing parts of mechanisms based on Inspection and Testing.***

For gantry movement drive ***mechanisms***, the following works shall be executed:

* ***inspection and testing all existing equipment of mechanisms,***
* ***servicing or replacing parts of mechanisms based on Inspection and Testing.***

For ***arm rotating drive mechanism***, the following works shall be executed:

* ***inspection and testing all existing equipment of mechanisms,***
* ***servicing or replacing parts of mechanisms based on Inspection and Testing.***

In addition to the above, the following works shall be performed:

* ***replacement of the driver’s cabin structure on the gantry crane, with air conditioning device,***
* ***drive housing upgrade on the gantry crane with replacement of wall and roof cladding by thermal insulation panels, replacement of skylight and door, and renewal of corrosion protection,***
* replacement of power cable winding mechanism with drive,
* measuring the hardness on the treads of the all wheels on each part of crane if the visual inspection determines that it is necessary,
* inspection and cleaning of anchor bollards for dynamometer and supports for all bumpers with repair of identified damages and renewal of corrosion protection,
* ***inspection and testing and servicing or*** replacing of all bumpers,
* ***inspection and testing and servicing or*** replacing of supports for rails with checking the straightness of the rails.

2. Gantry cranes on the middle head

For ***gantry steel structure*** with associated components, the following works shall be executed:

* sandblasting (Sа 21/2 according to Swedish standard SIS 05 59 00) of complete steel structure
* visual inspection of complete steel structure (each support leg and arm, rails, steel covers, weld, joint and bolt connection between each part…),
* inspection of surface condition, internal defects and checking of steel sheet thickness,
* inspection of welds; 100% range - visually, surface methods (MT / PT), volume method (UT) and only where it is possible and where ultrasound tests do not provide adequate results radiography testing (RT) can be performed.
* geodetic control survey of the geometry of structure and all rails for trolley and crane,
* geodetic control survey of the geometry of structure under 115% static load.

In compliance with damages assessed by inspection of status, the gantry structure shall be repaired and any damaged parts, which cannot be retained for further use, shall be replaced. After reparation of damaged parts, testing for parts of structure where works were executed, shall be repeated and complete corrosion, protection shall be reapplied according to the method, which is official approved by Engineer.

Welded seams with unacceptable indications should be repaired by grinding and welding with the approval of the Engineer, according to the Clause 5.4.1. Welding.

For ***lifting drive*** mechanisms, the following works shall be executed:

* ***inspection and testing all existing equipment of mechanisms,***
* ***servicing or replacing parts of mechanisms based on Inspection and Testing.***

For gantry movement drive ***mechanisms***, the following works shall be executed:

* ***inspection and testing all existing equipment of mechanisms,***
* ***servicing or replacing parts of mechanisms based on Inspection and Testing.***

In addition to the above, the following works shall be performed:

* ***replacement of the driver’s cabin structure on the gantry crane, with air conditioning device,***
* ***drive housing upgrade on the gantry crane with replacement of wall and roof cladding by thermal insulation panels, replacement of skylight and door, and renewal of corrosion protection,***
* replacement of power cable winding mechanism with drive,
* measuring the hardness on the treads of the all wheels on each part of crane if the visual inspection determines that it is necessary,
* inspection and cleaning of anchor bollards for dynamometer and supports for all bumpers with repair of identified damages and renewal of corrosion protection,
* ***inspection and testing and servicing or*** replacing of all bumpers,
* ***inspection and testing and servicing or*** replacing of supports for rails with checking the straightness of the rails.

3. Gantry crane on the lower head

For ***gantry steel structure*** with associated components, the following works shall be executed:

* sandblasting (Sа 21/2 according to Swedish standard SIS 05 59 00) of complete steel structure
* visual inspection of complete steel structure (each support leg and arm, rails, steel covers, weld, joint and bolt connection between each part…),
* inspection of surface condition, internal defects and checking of steel sheet thickness,
* inspection of welds; 100% range - visually, surface methods (MT / PT), volume method (UT) and only where it is possible and where ultrasound tests do not provide adequate results radiography testing (RT) can be performed.
* geodetic control survey of the geometry of structure and all rails for trolley and crane,
* geodetic control survey of the geometry of structure under 115% static load.
* For the deformation of the upstream leg and the horizontal supports, which can exist from welding on the assembly, Contractor should make calculation of load capacity.

In compliance with damages assessed by inspection of status, the gantry structure shall be repaired and any damaged parts, which cannot be retained for further use, shall be replaced. After reparation of damaged parts, testing for parts of structure where works were executed, shall be repeated and complete corrosion, protection shall be reapplied according to the method, which is official approved by Engineer.

Welded seams with unacceptable indications should be repaired by grinding and welding with the approval of the Engineer, according to the Clause 5.4.1. Welding.

For ***lifting drive*** mechanisms, the following works shall be executed:

* ***inspection and testing all existing equipment of mechanisms,***
* ***servicing or replacing parts of mechanisms based on Inspection and Testing.***

For gantry movement drive ***mechanisms***, the following works shall be executed:

* ***inspection and testing all existing equipment of mechanisms,***
* ***servicing or replacing parts of mechanisms based on Inspection and Testing.***

For the crane trolley movement drive, the following works shall be executed:

* ***inspection and testing all existing equipment of mechanisms,***
* ***servicing or replacing parts of mechanisms based on Inspection and Testing.***

In addition to the above, the following works shall be performed:

* ***replacement of the driver’s cabin structure on the gantry crane, with air conditioning device,***
* ***drive housing upgrade on the gantry crane with replacement of wall and roof cladding by thermal insulation panels, replacement of skylight and door, and renewal of corrosion protection,***
* replacement of power cable winding mechanism with drive,
* measuring the hardness on the treads of the all wheels on each part of crane if the visual inspection determines that it is necessary,
* inspection and cleaning of anchor bollards for dynamometer and supports for all bumpers with repair of identified damages and renewal of corrosion protection,
* ***inspection and testing and servicing or*** replacing of all bumpers,
* ***inspection and testing and servicing or*** replacing of supports for rails with checking the straightness of the rails.

4. ***Jib*** cranes for lifting of maintenance gate leaves on the lower head

For steel cantilever structures with appurtenant-concreted parts on the bank and riverside, the following works shall be executed:

* sandblasting (Sа 21/2 according to Swedish standard SIS 05 59 00) of complete steel structure,
* visual inspection of complete steel structure (each support leg and arm, steel covers, weld, joint and bolt connection between each part…),
* inspection of surface condition, internal defects and checking of steel sheet thickness,
* inspection of welds; 100% range - visually, surface methods (MT / PT), volume method (UT) and only where it is possible and where ultrasound tests do not provide adequate results radiography testing (RT) can be performed.
* geodetic control survey of the geometry of structure without and under 115% static load.

In compliance with damages assessed by inspection of status, the crane structure shall be repaired and any damaged parts, which cannot be retained for further use, shall be replaced. After reparation of damaged parts, testing for parts of structure where works were executed, shall be repeated and complete corrosion, protection shall be reapplied according to the method, which is official approved by Engineer.

Welded seams with unacceptable indications should be repaired by grinding and welding with the approval of the Engineer, according to the Clause 5.4.1. Welding.

For ***lifting drive*** mechanisms, the following works shall be executed:

* ***inspection and testing all existing equipment of mechanisms,***
* ***servicing or replacing parts of mechanisms based on Inspection and Testing.***

5. Small jib crane with manual chain hoist on the lower head – riverside

For steel structure with associated components, the following works shall be executed:

* sandblasting (Sа 21/2 according to Swedish standard SIS 05 59 00) of complete steel structure,
* visual inspection of complete steel structure (support, steel covers, weld, joint and bolt connection between each part…),
* inspection of surface condition, internal defects and checking of steel thickness,
* inspection of welds; 100% range - visually, surface methods (MT / PT), volume method (UT) and only where it is possible and where ultrasound tests do not provide adequate results radiography testing (RT) can be performed.
* geodetic control survey of the geometry of structure without and under 115% static load.

In compliance with damages assessed by inspection of status, the crane structure shall be repaired and any damaged parts, which cannot be retained for further use, shall be replaced. After reparation of damaged parts, testing for parts of structure where works were executed, shall be repeated and complete corrosion, protection shall be reapplied according to the method, which is official approved by Engineer.

Welded seams with unacceptable indications should be repaired by grinding and welding with the approval of the Engineer, according to the Clause 5.4.1. Welding.

6. New small jib crane with manual chain hoist on the lower head – bank side

On the bank side of lower head, should be installed new jib crane with manual chain hoist. New console crane should be designed to be similar as existing one on riverside, but with bigger capacity as it defined in technical characteristic.

* Capacity (Load) 50 kN
* Console (arm) length 3,5 m
* Manipulation manual by chain
* Lifting height 7,0 m
* Steel construction welded construction with rotary console
* Elevation of console 49,50 m.a.s.l.

Specification of new equipment, technical characteristic and drawings should be prepared and presented in design documentation. Design of this crane should be completed with all necessary parts as functional unit including anchors for fixation and appropriate civil works.

|  |
| --- |
| **Volume 4- Schedule of the price**  **Sub - Schedule 4.3.12.1. pg 63** |

**The former text**

| **4.3.12.1.** | **MECHANICALPART** | | | |
| --- | --- | --- | --- | --- |
|  | | | | |
| **Item** | **Description** | **Unit** | **Conceptual Quantity** | **Lump Sum Price**  **(EURO)** |
|  |  |  |  |  |
| **4.3.12.1.1.** | **EQUIPMENT SUPPLY** |  |  |  |
|  |  |  |  |  |
| **4.3.12.1.1.1.** | **Portal Crane 630+2x200 kN on the bank side of the Upper Head** |  |  |  |
| **.1.** | **Portal Steel Structure** |  |  |  |
| .1. | Non-Destructive Testing (NDT) | Provisional Sum |  | 10.000,00 |
| .2. | Survey of the current state including geodesy survey of the portal steel structure geometry | Lump Sum |  |  |
| .3. | Parts based on NTD testing results | Provisional Sum |  | 20.000,00 |
| .4. | Corrosion Protection | Lump Sum |  |  |
| **.2.** | **Lifting Drive** |  |  |  |
| .1. | Inspection | Lump Sum |  |  |
| .2. | Replacement of: steel ropes, break mechanism, couplings and the end position switches; | Lump Sum |  |  |
| **.3.** | **Mechanisms for overloading and underloading** |  |  |  |
| .1. | Inspection | Lump Sum |  |  |
| .2. | Parts of mechanisms for overloading and underloading based on Inspection | Provisional Sum |  | 20.000,00 |
| .3. | Scale for weight measurement on main lifting. | Set | 1 |  |
| **.4.** | **Portal Movement Drive** |  |  |  |
| .1. | Motorized gearbox, anchoring device, breaking mechanism, couplings and the end position switches | Lump Sum |  |  |
| **.5.** | **Arms Rotating Drive** |  |  |  |
| .1. | Inspection | Lump Sum |  |  |
| .2. | Arms rotating drive based on Inspection | Provisional Sum |  | 10.000,00 |
| .3. | Mechanism for breaking, couplings, and the end position switches. | Lump Sum |  |  |
| **.6.** | **Crane Rails** |  |  |  |
| .1. | Inspection | Lump Sum |  |  |
| .2. | Bumpers, anchoring bollards for dynamometers based on Inspection | Provisional Sum |  | 10.000,00 |
| .3. | Corrosion Protection | Lump Sum |  |  |
| **.7.** | **Mechanism for electric cable winding with drive** | Set | 1 |  |
| **.8.** | **Cabin** **with Air Conditioning Device** | Set | 1 |  |
| **.9.** | **Drive Housing Upgrade** |  |  |  |
| .1. | Wall and roof coverings, thermo insulation panels, skylight and door | Set | 1 |  |
| .2. | Renewal of Corrosion Protection. | Lump Sum |  |  |
|  |  |  |  |  |
| **4.3.12.1.1.2.** | **Upgrade of the Portal Crane 630+2x200+80 kN on the river side of the Upper Head** |  |  |  |
| **.1.** | **Portal Steel Structure** |  |  |  |
| .1. | Non-Destructive Testing (NDT) | Provisional  Sum |  | 10.000,00 |
| .2. | Survey of the current state including geodesy survey of the portal steel structure geometry | Lump Sum |  |  |
| .3. | Parts based on NTD testing results | Provisional Sum |  | 20.000,00 |
| .4. | Corrosion Protection | Lump Sum |  |  |
| **.2.** | **Lifting Drive** |  |  |  |
| .1. | Inspection | Lump Sum |  |  |
| .2. | Replacement of: steel ropes, break mechanism, couplings and the end position switches | Lump Sum |  |  |
| **.3.** | **Mechanisms for overloading and underloading** |  |  |  |
| .1. | Inspection | Lump Sum |  |  |
| .2. | Parts of mechanisms for overloading and underloading based on Inspection | Provisional Sum |  | 20.000,00 |
| .3. | Scale for weight measurement on main lifting. | Set |  |  |
| **.4.** | **Portal Movement Drive** |  |  |  |
| .1. | Motorized gearbox, anchoring device, breaking mechanism, couplings and end position switches | Lump Sum |  |  |
| **.5.** | **Arms Rotating Drive** |  |  |  |
| .1. | Inspection | Lump Sum |  |  |
| .2. | Arms rotating drive based on Inspection | Provisional Sum |  | 10.000,00 |
| .3. | Mechanism for breaking, couplings, and the end position switches. | Lump Sum |  |  |
| **.6.** | **Crane Rails** |  |  |  |
| .1. | Inspection | Lump Sum |  |  |
| .2. | Bumpers, anchoring bollards for dynamometers based on Inspection | Provisional Sum |  | 10.000,00 |
| .3. | Corrosion Protection | Lump Sum |  |  |
| **.7.** | **Mechanism for electric cable winding with drive** | Set | 1 |  |
| **.8.** | **Cabin with air conditioning device** | Set | 1 |  |
| **.9.** | **Drive Housing Upgrade** |  |  |  |
| .1. | Wall and roof coverings, thermo insulation panels, skylight and door | Set | 1 |  |
| .2. | Renewal of Corrosion Protection. | Lump Sum |  |  |
|  |  |  |  |  |
| **4.3.12.1.1.3.** | **Upgrade of the Portal Cranes 500+50 kN on the river and the bank side of Middle Head** |  |  |  |
|  |  |  |  |  |
| **.1.** | **Portal Steel Structures** |  |  |  |
| .1. | 2 Sets of Non-Destructive Testing (NDT) | Provisional  Sum |  | 20.000,00 |
| .2. | Survey of the current state including geodesy survey of the portal steel structure geometries | Lump Sum |  |  |
| .3. | Parts based on NTD testing results | Provisional Sum |  | 40.000,00 |
| .4. | Corrosion Protection. | Lump Sum |  |  |
| **.2.** | **Lifting Drive** |  |  |  |
| .1. | Inspections | Lump Sum |  |  |
| .2. | Steel ropes, break mechanism, couplings and the end position switches | Set | 2 |  |
| **.3.** | **Mechanisms for overloading and underloading** |  |  |  |
| .1. | Inspections for both portal cranes | Lump Sum |  |  |
| .2. | Parts of mechanisms for overloading and underloading for both portal cranes based on Inspection | Provisional Sum |  | 40.000,00 |
| .3. | Scales for weight measurement on main lifting. | Set | 2 |  |
| **.4.** | **Portal Movement Drive** |  |  |  |
| .1. | Motorized gearbox, anchoring device, breaking mechanism, couplings and end position switches | Set | 2 |  |
| **.5.** | **Auxiliary 5 t monorail cranes** | Set | 2 |  |
| **.6.** | **Crane Rails** |  |  |  |
| .1. | Inspections for both portal cranes | Lump Sum |  |  |
| .2. | Bumpers, anchoring bollards for dynamometers for both portal cranes based on Inspection | Provisional Sum |  | 10.000,00 |
| .3. | Corrosion Protection for both portal cranes | Lump Sum |  |  |
| **.7.** | **Mechanism for electric cable winding with drive** | Set | 2 |  |
| **.8.** | Cabins with air conditioning devices | Set | 2 |  |
| **.9.** | **Drive Housing Upgrade** |  |  |  |
| .1. | Wall and roof coverings, thermo insulation panels, skylight and door | Set | 2 |  |
| .2. | Corrosion Protection for both portal cranes | Lump Sum |  |  |
|  |  |  |  |  |
| **4.3.12.1.1.4.** | **Upgrade of the Portal Crane 630+2x50 kN on the river side of the Lower Head** |  |  |  |
|  |  |  |  |  |
| **.1.** | **Portal Steel Structures** |  |  |  |
| .1. | Non-Destructive Testing (NDT) | Provisional  Sum |  | 10.000,00 |
| .2. | Survey of the current state including geodesy survey of the portal steel structure geometry | Lump Sum |  |  |
| .3. | Parts based on NTD testing results | Provisional Sum |  | 20.000,00 |
| .4. | Corrosion Protection | Lump Sum |  |  |
| **.2.** | **Lifting Drive** |  |  |  |
| .1. | Inspection | Lump Sum |  |  |
| .2. | Steel ropes, break mechanism, couplings and the end position switches | Lump Sum |  |  |
| **.3.** | **Mechanism for overloading and underloading** |  |  |  |
| .1. | Inspection | Lump Sum |  |  |
| .2. | Parts of mechanisms for overloading and underloading based Inspection | Provisional Sum |  | 20.000,00 |
| .3. | Scale for weight measurement on main lifting. | Set | 1 |  |
| **.4.** | **Portal movement Drive** |  |  |  |
|  | Motorized gearbox, anchoring device, breaking mechanism, couplings and end position switches | Set | 1 |  |
| **.5.** | **Crane Trolley Movement Drive** |  |  |  |
|  | Motorized gearbox, breaking mechanism, couplings and end position switches on the drive | Set | 1 |  |
| **.6.** | **Auxiliary 5 t monorail cranes** | **Set** | **2** |  |
| **.7.** | **Crane Rails** |  |  |  |
| .1. | Inspection | Lump Sum |  |  |
| .2. | Bumpers, anchoring bollards for dynamometers for both portal cranes based on Inspection | Provisional Sum |  | 10.000,00 |
| .3. | Corrosion Protection | Lump Sum |  |  |
| **.8.** | Mechanism for electric cable winding with drive | Set | 1 |  |
| **.9.** | Cabin with air conditioning device | Set | 1 |  |
| **.10.** | **Drive Housing Upgrade** |  |  |  |
| .1. | Wall and roof coverings, thermo insulation panels, skylight and door | Set | 1 |  |
| .2. | Renewal of Corrosion Protection. | Lump Sum |  |  |
|  |  |  |  |  |
| **4.3.12.1.1.5.** | **Upgrade of the Console Cranes 1000 kN on the bank and the river side of the Lower Head** |  |  |  |
| **.1.** | **Portal Steel Structures** |  |  |  |
| .1. | Non-Destructive Testing (NDT) for both Console Cranes | Provisional  Sum |  | 10.000,00 |
| .2. | Survey of the current state including geodesy survey of the portal steel structure geometry for both Console Cranes | Lump Sum |  |  |
| .3. | Parts based on NTD testing results for both Console Cranes | Provisional Sum |  | 20.000,00 |
| .4. | Corrosion Protection for both Console Cranes | Lump Sum |  |  |
| **.2.** | **Lifting Drive** |  |  |  |
| .1. | Inspections for both Console Cranes | Lump Sum |  |  |
| .2. | Steel ropes, break mechanism, couplings and the end position switches | Set | 2 |  |
| **.3.** | **Mechanisms for overloading and underloading** |  |  |  |
| .1. | Inspections for both Console Cranes | Lump Sum |  |  |
| .2. | Parts of mechanisms for overloading and underloading based Inspection for both Console Cranes | Provisional Sum |  | 20.000,00 |
| .3. | Scale for weight measurement on main lifting. | Set | 2 |  |
|  |  |  |  |  |
| **4.3.12.1.1.6.** | **Small jib crane for maintenance of miter gate bearings** |  |  |  |
| .1. | Non-Destructive Testing of river side jib crane | Provisional Sum |  | 5.000,00 |
| .2. | Parts based on NTD testing results | Provisional Sum |  | 10.000,00 |
| .3. | Corrosion protection | Lump Sum |  |  |
|  |  |  |  |  |
| **4.3.12.1.1.7.** | **New bank side jib manual crane of 50 t capacity** | Lump Sum |  |  |
|  |  |  |  |  |
| **4.3.12.1.1.8.** | **Other** (for completeness of subsection) | Lump Sum |  |  |
| **4.3.12.1.1.9.** | **Mandatory Spare Parts** | Lump Sum |  |  |
| **4.3.12.1.1.10** | **Spare Parts** recommended by the Contractor | Provisional Sum |  | 5.000,00 |
| **4.3.12.1.1.11** | **Mandatory Special Tools** | Lump Sum |  |  |
| **4.3.12.1.1.12** | **Special Tools** | Provisional Sum |  | 2.000,00 |
|  | **SUBTOTAL: 4.3.12.1.1.** | **Provisional Sum** |  | **382.000,00** |
| **Lump Sum** |  |  |
|  |  |  |  |  |
| **4.3.12.1.2.** | **WORKS** |  |  |  |
| **.1.** | Dismantling, Local Transport and Storage of the existing equipment on the location of up to 2 km distance |  | Lump Sum |  |
| **.2.** | Erection and Installation of New Equipment |  | Lump Sum |  |
| **.3.** | Erection and Installation Works for equipment supplied as specified above for provisional sums |  | Provisional Sum | 50.000,00 |
| **.4.** | Testing and Commissioning |  | Lump Sum |  |
| **.5.** | Other (for completeness of sub-section) |  | Lump Sum |  |
|  | **SUBTOTAL: 4.3.12.1.2.** |  | **Provisional Sum** | **50.000,00** |
| **Lump Sum** |  |

**The new text**

| **4.3.12.1.** | **MECHANICALPART** | | | |
| --- | --- | --- | --- | --- |
|  | | | | |
| **Item** | **Description** | **Unit** | **Conceptual Quantity** | **Lump Sum Price**  **(EURO)** |
|  |  |  |  |  |
| **4.3.12.1.1.** | **EQUIPMENT SUPPLY** |  |  |  |
|  |  |  |  |  |
| **4.3.12.1.1.1.** | ***Upgrade of the Gantry Crane* 630+2x200 kN on the bank side of the Upper Head** |  |  |  |
| **.1.** | ***Gantry Steel Structure*** |  |  |  |
| .1. | Non-Destructive Testing (NDT) | Provisional Sum |  | 10.000,00 |
| .2. | Survey of the current state including geodesy survey of the ***gantry*** steel structure geometry | Lump Sum |  |  |
| .3. | ***Servicing or replacing parts*** based on NTD testing results | Provisional Sum |  | 20.000,00 |
| .4. | Corrosion Protection | Lump Sum |  |  |
| **.2.** | **Lifting Drive *Mechanisms*** |  |  |  |
| .1. | ***Inspection and testing*** | Lump Sum |  |  |
| .2. | ***Servicing or replacing parts of mechanisms based on Inspection and Testing*** | ***Provisional Sum*** |  | ***40.000,00*** |
| **.3.** | ***Gantry Movement Drive Mechanisms*** |  |  |  |
| .1. | ***Inspection and testing*** | Lump Sum |  |  |
| .2. | ***Servicing or replacing parts of mechanisms based on Inspection and Testing*** | ***Provisional Sum*** |  | ***20.000,00*** |
| **.4.** | **Arms Rotating Drive *Mechanisms*** |  |  |  |
| .1. | ***Inspection and testing*** | Lump Sum |  |  |
| .2. | ***Servicing or replacing parts of mechanisms based on Inspection and Testing*** | ***Provisional Sum*** |  | ***15.000,00*** |
| **.5.** | **Crane Rails** |  |  |  |
| .1. | ***Inspection and testing*** | Lump Sum |  |  |
| .2. | ***Servicing or replacing parts of crane rails based on Inspection and Testing*** | Provisional Sum |  | ***8.000,00*** |
| .3. | Corrosion Protection | Lump Sum |  |  |
| **.6.** | **Mechanism for electric cable winding with drive** | Set | 1 |  |
| **.7.** | **Cabin** **with Air Conditioning Device** | Set | 1 |  |
| **.8.** | **Drive Housing Upgrade** |  |  |  |
| .1. | Wall and roof coverings, thermo insulation panels, skylight and door | Set | 1 |  |
| .2. | Renewal of Corrosion Protection. | Lump Sum |  |  |
|  |  |  |  |  |
| **4.3.12.1.1.2.** | ***Upgrade of the Gantry Crane* 630+2x200+80 kN on the river side of the Upper Head** |  |  |  |
| **.1.** | ***Gantry Steel Structure*** |  |  |  |
| .1. | Non-Destructive Testing (NDT) | Provisional  Sum |  | 10.000,00 |
| .2. | Survey of the current state including geodesy survey of the ***gantry*** steel structure geometry | Lump Sum |  |  |
| .3. | ***Servicing or replacing parts*** based on NTD testing results | Provisional Sum |  | 20.000,00 |
| .4. | Corrosion Protection | Lump Sum |  |  |
| **.2.** | **Lifting Drive *Mechanisms*** |  |  |  |
| .1. | ***Inspection and testing*** | Lump Sum |  |  |
| .2. | ***Servicing or replacing parts of mechanisms based on Inspection and Testing*** | ***Provisional Sum*** |  | ***40.000,00*** |
| **.3.** | ***Gantry Movement Drive Mechanisms*** |  |  |  |
| .1. | ***Inspection and testing*** | Lump Sum |  |  |
| .2. | ***Servicing or replacing parts of mechanisms based on Inspection and Testing*** | ***Provisional Sum*** |  | ***20.000,00*** |
| **.4.** | **Arms Rotating Drive *Mechanisms*** |  |  |  |
| .1. | ***Inspection and testing*** | Lump Sum |  |  |
| .2. | ***Servicing or replacing parts of mechanisms based on Inspection and Testing*** | ***Provisional Sum*** |  | ***15.000,00*** |
| **.5.** | **Crane Rails** |  |  |  |
| .1. | ***Inspection and testing*** | Lump Sum |  |  |
| .2. | ***Servicing or replacing parts of crane rails based on Inspection and Testing*** | Provisional Sum |  | ***8.000,00*** |
| .3. | Corrosion Protection | Lump Sum |  |  |
| **.6.** | **Mechanism for electric cable winding with drive** | Set | 1 |  |
| **.7.** | **Cabin with air conditioning device** | Set | 1 |  |
| **.8.** | **Drive Housing Upgrade** |  |  |  |
| .1. | Wall and roof coverings, thermo insulation panels, skylight and door | Set | 1 |  |
| .2. | Renewal of Corrosion Protection. | Lump Sum |  |  |
|  |  |  |  |  |
| **4.3.12.1.1.3.** | ***Upgrade of the Gantry Crane* 500+50 kN on the river and the bank side of Middle Head** |  |  |  |
|  |  |  |  |  |
| **.1.** | ***Gantry Steel Structure*** |  |  |  |
| .1. | ***Non-Destructive Testing (NDT) for both cranes*** | Provisional  Sum |  | 20.000,00 |
| .2. | Survey of the current state including geodesy survey of the ***gantry*** steel structure geometries ***for both cranes*** | Lump Sum |  |  |
| .3. | ***Servicing or replacing parts*** based on NTD testing results ***for both cranes*** | Provisional Sum |  | 40.000,00 |
| .4. | Corrosion Protection ***for both cranes*** | Lump Sum |  |  |
| **.2.** | **Lifting Drive *Mechanisms*** |  |  |  |
| .1. | ***Inspection and testing for both cranes*** | Lump Sum |  |  |
| .2. | ***Servicing or replacing parts of mechanisms based on Inspection and Testing for both cranes*** | ***Provisional Sum*** |  | ***70.000,00*** |
| **.3.** | ***Gantry Movement Drive Mechanisms*** |  |  |  |
| .1. | ***Inspection and testing for both cranes*** | Lump Sum |  |  |
|  | ***Servicing or replacing parts of mechanisms based on Inspection and Testing for both cranes*** | ***Provisional Sum*** |  | ***40.000,00*** |
| **.4.** | **Crane Rails** |  |  |  |
| .1. | ***Inspection and testing for both crane rails*** | Lump Sum |  |  |
| .2. | ***Servicing or replacing parts for both crane rails based on Inspection and Testing*** | Provisional Sum |  | ***15.000,00*** |
| .3. | Corrosion Protection ***for both crane rails*** | Lump Sum |  |  |
| **.5.** | **Mechanism for electric cable winding with drive** | Set | 2 |  |
| **.6.** | **Cabins with air conditioning devices** | Set | 2 |  |
| **.7.** | **Drive Housing Upgrade** |  |  |  |
| .1. | Wall and roof coverings, thermo insulation panels, skylight and door | Set | 2 |  |
| .2. | Corrosion Protection for both portal cranes | Lump Sum |  |  |
|  |  |  |  |  |
| **4.3.12.1.1.4.** | ***Upgrade of the Gantry Crane* 630+2x50 kN on the river side of the Lower Head** |  |  |  |
|  |  |  |  |  |
| **.1.** | ***Gantry Steel Structure*** |  |  |  |
| .1. | Non-Destructive Testing (NDT) | Provisional  Sum |  | 10.000,00 |
| .2. | Survey of the current state including geodesy survey of the ***gantry*** steel structure geometry | Lump Sum |  |  |
| .3. | ***Servicing or replacing parts*** based on NTD testing results | Provisional Sum |  | 20.000,00 |
| .4. | Corrosion Protection | Lump Sum |  |  |
| **.2.** | **Lifting Drive *Mechanisms*** |  |  |  |
| .1. | ***Inspection and testing*** | Lump Sum |  |  |
| .2. | ***Servicing or replacing parts of mechanisms based on Inspection and Testing*** | ***Provisional Sum*** |  | ***30.000,00*** |
| **.3.** | ***Gantry Movement Drive Mechanisms*** |  |  |  |
|  | ***Inspection and testing*** | Lump Sum |  |  |
|  | ***Servicing or replacing parts of mechanisms based on Inspection and Testing*** | ***Provisional Sum*** |  | ***15.000,00*** |
| **.4.** | **Crane Trolley Movement Drive** |  |  |  |
|  | ***Inspection and testing*** | Lump Sum |  |  |
|  | ***Servicing or replacing parts of mechanisms based on Inspection and Testing*** | ***Provisional Sum*** |  | ***10.000,00*** |
| **.5.** | **Crane Rails** |  |  |  |
| .1. | ***Inspection and testing*** | Lump Sum |  |  |
| .2. | ***Servicing or replacing parts of crane rails based on Inspection and Testing*** | Provisional Sum |  | 10.000,00 |
| .3. | Corrosion Protection | Lump Sum |  |  |
| **.6.** | **Mechanism for electric cable winding with drive** | Set | 1 |  |
| **.7.** | **Cabin with air conditioning device** | Set | 1 |  |
| **.8.** | **Drive Housing Upgrade** |  |  |  |
| .1. | Wall and roof coverings, thermo insulation panels, skylight and door | Set | 1 |  |
| .2. | Renewal of Corrosion Protection. | Lump Sum |  |  |
|  |  |  |  |  |
| **4.3.12.1.1.5.** | **Upgrade of the *Jib* Cranes 1000 kN on the bank and the river side of the Lower Head** |  |  |  |
| **.1.** | ***Gantry Steel Structure*** |  |  |  |
| .1. | Non-Destructive Testing (NDT) | Provisional  Sum |  | 10.000,00 |
| .2. | Survey of the current state including geodesy survey of the steel structure geometry | Lump Sum |  |  |
| .3. | ***Servicing or replacing parts*** based on NTD testing results | Provisional Sum |  | 20.000,00 |
| .4. | Corrosion Protection | Lump Sum |  |  |
| **.2.** | **Lifting Drive *Mechanisms*** |  |  |  |
| .1. | ***Inspection and testing*** | Lump Sum |  |  |
| .2. | ***Servicing or replacing parts of mechanisms based on Inspection and Testing f*** | ***Provisional Sum*** |  | ***40.000,00*** |
|  |  |  |  |  |
| **4.3.12.1.1.6.** | ***Small river side jib crane for maintenance of miter gate bearings*** |  |  |  |
| .1. | Non-Destructive Testing | Provisional Sum |  | ***1.000,00*** |
| .2. | ***Servicing or replacing parts*** based on NTD testing results | Provisional Sum |  | ***3.000,00*** |
| .3. | Corrosion protection | Lump Sum |  |  |
|  |  |  |  |  |
| **4.3.12.1.1.7.** | **New bank side jib manual crane of 50 t capacity** | Lump Sum |  |  |
|  |  |  |  |  |
| **4.3.12.1.1.8.** | **Other** (for completeness of subsection) | Lump Sum |  |  |
| **4.3.12.1.1.9.** | **Mandatory Spare Parts** | Lump Sum |  |  |
| **4.3.12.1.1.10** | **Spare Parts** recommended by the Contractor | Provisional Sum |  | 5.000,00 |
| **4.3.12.1.1.11** | **Special Tools** | Provisional Sum |  | 2.000,00 |
|  | **SUBTOTAL: 4.3.12.1.1.** | **Provisional Sum** |  | ***587.000,00*** |
| **Lump Sum** |  |  |
|  |  |  |  |  |
| **4.3.12.1.2.** | **WORKS** |  |  |  |
| **.1.** | Dismantling, Local Transport and Storage of the existing equipment on the location of up to 2 km distance |  | Lump Sum |  |
| **.2.** | Erection and Installation of New Equipment |  | Lump Sum |  |
| **.3.** | Erection and Installation Works for equipment supplied as specified above for provisional sums |  | Provisional Sum | 50.000,00 |
| **.4.** | Testing and Commissioning |  | Lump Sum |  |
| **.5.** | Other (for completeness of sub-section) |  | Lump Sum |  |
|  | **SUBTOTAL: 4.3.12.1.2.** |  | **Provisional Sum** | **50.000,00** |
| **Lump Sum** |  |

|  |
| --- |
| **Volume 4- Schedule of the price**  **Sub - Schedule 4.3.12. pg.75** |

**The former text**

| **4.3.12.** | **SUMMARY OF UPGRADE OF GANTRY CRANES AND FIXED CRANE**  **INSTALLATION TO LIFT AND LOWER THE MAINTENANCE MITRE GATE** |
| --- | --- |

| **Item No** | **Description** | **Unit** | **Lump Sum Price**  **(EURO)** |
| --- | --- | --- | --- |
|  |  |  |  |
| **4.3.12.1.** | **MECHANICAL PART** |  |  |
| 4.3.12.1.1. | Equipment Supply | Lump Sum |  |
| Provisional Sum | 382.000,00 |
| 4.3.12.1.2. | Works | Lump Sum |  |
| Provisional Sum | 50.000,00 |
|  |  |  |  |
| **4.3.12.2** | **ELECTRICAL PART** |  |  |
| 4.3.12.2.1. | Equipment Supply | Lump Sum |  |
| Provisional Sum | 10.000,00 |
| 4.3.12.2.2. | Works | Lump Sum |  |
|  |  |  |  |
| **4.3.12.** | **TOTAL** | **Lump Sum** |  |
| **Provisional Sum** | **442.000,00** |
| **Total for Schedule No 4.3.12. to be carried forward to Schedule No 4.3.** | | |  |

Date:

Signature of tenderer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**The new text**

| **4.3.12.** | **SUMMARY OF UPGRADE OF GANTRY CRANES AND FIXED CRANE**  **INSTALLATION TO LIFT AND LOWER THE MAINTENANCE MITRE GATE** |
| --- | --- |

| **Item No** | **Description** | **Unit** | **Lump Sum Price**  **(EURO)** |
| --- | --- | --- | --- |
|  |  |  |  |
| **4.3.12.1.** | **MECHANICAL PART** |  |  |
| 4.3.12.1.1. | Equipment Supply | Lump Sum |  |
| Provisional Sum | ***587.000,00*** |
| 4.3.12.1.2. | Works | Lump Sum |  |
| Provisional Sum | 50.000,00 |
|  |  |  |  |
| **4.3.12.2** | **ELECTRICAL PART** |  |  |
| 4.3.12.2.1. | Equipment Supply | Lump Sum |  |
| Provisional Sum | 10.000,00 |
| 4.3.12.2.2. | Works | Lump Sum |  |
|  |  |  |  |
| **4.3.12.** | **TOTAL** | **Lump Sum** |  |
| **Provisional Sum** | ***647.000,00*** |
| **Total for Schedule No 4.3.12. to be carried forward to Schedule No 4.3.** | | |  |

Date:

Signature of tenderer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |
| --- |
| **Volume 4- Schedule of the price**  **Schedule 4.3.pg.79** |

**The former text**

**Schedule No 4.3. TOTAL OF BREAKDOWN OF LUMP SUM PRICE**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item No** | **Description** | **Unit** | **Lump Sum Price**  **(EURO)** |
| **4.3.0.** | **GENERAL ITEMS** | Lump Sum |  |
|  | | | |
| **4.3.1.** | **CONTROL TOWER CONSTRUCTION WORKS** | Provisional Sum | 60.000,00 |
| Lump Sum |  |
|  | | | |
| **4.3.2.** | **ENGINE ROOMS CONSTRUCTION WORKS** | Lump Sum |  |
|  |  |  |  |
| **4.3.3.** | **UPGRADE OF CABLE AND PIPE DUCTS ALONG THE SHIPLOCK CHAMBERS** | Lump Sum |  |
|  | | | |
| **4.3.4.** | **UPGRADE OF DOWNSTREAM FOREDOCK AREA** | Lump Sum |  |
|  | | | |
| **4.3.5.** | **UPGRADE OF ELECTROHYDRAULIC DRIVE EQUIPMENT OF THE GATES WITH THE CONTROL SYSTEM** | Provisional Sum | 55.500,00 |
| Lump Sum |  |
|  | | | |  |  | | |  | | |
| **4.3.6.** | **UPGRADE OF ELECTROHYDRAULIC DRIVE EQUIPMENT OF SUPPORTS OF400 t CAPACITY CRANE RAILS** | Provisional Sum | 14.000,00 |
| Lump Sum |  |
|  | | | |  |  | | |  | | |
| **4.3.7.** | **SERVICE (RADIAL) GALLERY GATES** | Provisional Sum | 95.000,00 |
| Lump Sum |  |
|  | | | |  |  | | |  | | |
| **4.3.8.** | **UPGRADE OF MAINTENANCE (MITRE) GATE** | Provisional Sum | 55.000,00 |
| Lump Sum |  |
|  | | | |
| **4.3.9.** | **UPGRADE OF HEATING AND AIR CONDITIONING OF THE ENGINE ROOMS AND THE CONTROL TOWER** | Provisional Sum | 8.000,00 |
| Lump Sum |  |
|  | | | |  | |  | | |  | | |
| **4.3.10.** | **UPGRADE OF EQUIPMENT OF THE STABLE FIRE FIGHTING SYSTEM** | Provisional Sum | 15.000,00 |
| Lump Sum |  |
|  | | | |
| **4.3.11.** | **UPGRADE OF ELECTRO-HYDRAULIC LIFTING BEAMS** | Provisional Sum | 47.000,00 |
| Lump Sum |  |
|  | | | |  | | |  | | |  | | |
| **4.3.12.** | **UPGRADE OF GANTRY CRANES AND FIXED CRANE INSTALLATION TO LIFT AND LOWER THE MAINTENANCE MITRE GATE** | Provisional Sum | 442.000,00 |
| Lump Sum |  |
|  | | | |  | | |  | | |  | | |
| **4.3.13** | **UPGRADE OF NAVIGATION TRAFFIC LIGHT SIGNALIZATION SYSTEM** | Provisional Sum | 5.000,00 |
| Lump Sum |  |
|  | | | |  | | |  | | |  | | |
| **4.3.14.** | **UPGRADE OF OUTDOOR AND INDOOR LIGHTING SYSTEMS** | Provisional Sum | 5.000,00 |
| Lump Sum |  |
|  | | | |
| **4.3.** | **Total of Provisional Price** |  | **801.500,00** |
| **Total of Lump Sum Price** |  |  |
| **To be transferred to 4.2.1. Summary** | | |  |

Date:

Signature of tenderer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**The new text**

**Schedule No 4.3. TOTAL OF BREAKDOWN OF LUMP SUM PRICE**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item No** | **Description** | **Unit** | **Lump Sum Price**  **(EURO)** |
| **4.3.0.** | **GENERAL ITEMS** | Lump Sum |  |
|  | | | |
| **4.3.1.** | **CONTROL TOWER CONSTRUCTION WORKS** | Provisional Sum | 60.000,00 |
| Lump Sum |  |
|  | | | |
| **4.3.2.** | **ENGINE ROOMS CONSTRUCTION WORKS** | Lump Sum |  |
|  |  |  |  |
| **4.3.3.** | **UPGRADE OF CABLE AND PIPE DUCTS ALONG THE SHIPLOCK CHAMBERS** | Lump Sum |  |
|  | | | |
| **4.3.4.** | **UPGRADE OF DOWNSTREAM FOREDOCK AREA** | Lump Sum |  |
|  | | | |
| **4.3.5.** | **UPGRADE OF ELECTROHYDRAULIC DRIVE EQUIPMENT OF THE GATES WITH THE CONTROL SYSTEM** | Provisional Sum | 55.500,00 |
| Lump Sum |  |
|  | | | |  |  | | |  | | |
| **4.3.6.** | **UPGRADE OF ELECTROHYDRAULIC DRIVE EQUIPMENT OF SUPPORTS OF400 t CAPACITY CRANE RAILS** | Provisional Sum | 14.000,00 |
| Lump Sum |  |
|  | | | |  |  | | |  | | |
| **4.3.7.** | **SERVICE (RADIAL) GALLERY GATES** | Provisional Sum | 95.000,00 |
| Lump Sum |  |
|  | | | |  |  | | |  | | |
| **4.3.8.** | **UPGRADE OF MAINTENANCE (MITRE) GATE** | Provisional Sum | 55.000,00 |
| Lump Sum |  |
|  | | | |
| **4.3.9.** | **UPGRADE OF HEATING AND AIR CONDITIONING OF THE ENGINE ROOMS AND THE CONTROL TOWER** | Provisional Sum | 8.000,00 |
| Lump Sum |  |
|  | | | |  | |  | | |  | | |
| **4.3.10.** | **UPGRADE OF EQUIPMENT OF THE STABLE FIRE FIGHTING SYSTEM** | Provisional Sum | 15.000,00 |
| Lump Sum |  |
|  | | | |
| **4.3.11.** | **UPGRADE OF ELECTRO-HYDRAULIC LIFTING BEAMS** | Provisional Sum | 47.000,00 |
| Lump Sum |  |
|  | | | |  | | |  | | |  | | |
| **4.3.12.** | **UPGRADE OF GANTRY CRANES AND FIXED CRANE.INSTALLATION TO LIFT AND LOWER THE MAINTENANCE MITRE GATE** | Provisional Sum | ***647.000,00*** |
| Lump Sum |  |
|  | | | |  | | |  | | |  | | |
| **4.3.13** | **UPGRADE OF NAVIGATION TRAFFIC LIGHT SIGNALIZATION SYSTEM** | Provisional Sum | 5.000,00 |
| Lump Sum |  |
|  | | | |  | | |  | | |  | | |
| **4.3.14.** | **UPGRADE OF OUTDOOR AND INDOOR LIGHTING SYSTEMS** | Provisional Sum | 5.000,00 |
| Lump Sum |  |
|  | | | |
| **4.3.** | **Total of Provisional Price** |  | ***1.006.500,00*** |
| **Total of Lump Sum Price** |  |  |
| **To be transferred to 4.2.1. Summary** | | |  |

Date:

Signature of tenderer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_