

**Provision of of services for the replacement of gantry wheels and shafts including their alignment  
(2) RMG cranes (N°3 & N°4)**

**on two**

s/n	Description	Unit	Quantity	Estimated unit price	Estimated total price (€)
1	Dismantling works of sixty four (64) gantry wheels including their relevant shafts on two (2) RMG cranes.	N/A	64		
2	Supply of one hundred and twenty eight (128) bearings (Type 22226E)	N/A	128		
3	Installation works of one hundred and twenty eight (128) bearings as stated in item 2 to sixty four (64) wheel shafts. (PPA will supply the wheels/ shafts)	N/A	128		
4	Installation of new sixty four (64) gantry wheels including their relevant shafts on two (2) RMG cranes. (Including the re-installation of old gearboxes/motors)	N/A	64		
5	Alignment works of gantry wheels through adjustment of gantry wheel bearing houses in accordance with FEM 1.001 (3rd edition) booklet 8 on two (2) RMG cranes.	N/A	2		

**Total: € 0,00**

Plus VAT 24%: € 0,00

**GRAND TOTAL: € 0,00**

**Remarks // General Terms**

**1. Minimum requirements:**

- a) Bearings shall be brands of either: FAG/INA, SKF, KOYO, TIMKEN or NSK (No other brands will be accepted).
- b) The winning bidder must allow access to PPA supervision members to his facilities for reasons of supervision, inspection of specific works upon request.
- c) The bidder must prove his ability to complete the relevant works by providing evidence of previous experience of similar works within his/her offer.
- d) The bidder will also quote the price per bearing housing and covers - open and closed type (If old are measured out of tolerance by the contractor at his own expenses and according to the required by the attached drawing tolerances), These extra works shall be subject to an additional offer(s) of the winning bidder. PPA may also request additional offers at its own discretion.
- e) The bidder will have to measure (with adequate and calibrated measurement instruments), at his own expenses, and report to PPA the dimensions for all the bearing housing and covers - open and closed type according to the attached drawings.
- f) All seals, bolts, nuts, washers that retain the bearing housing, covers and the lower half ring of the boogie will be replaced. These materials will be provided by PPA.
- g) PPA will supply the appropriate grease and the winning bidder will grease the housings at his/her own cost.
- h) If works of alignment at PPA premises by winning bidder cannot be accomplished through adjustment of gantry wheel bearing housings, the winning bidder will provide an additional offer for extra works in order for the wheels to be aligned in accordance with FEM 1.001 3rd edition booklet 8. PPA may also request additional offers from other companies at their own discretion.
- i) The potential bidders must visit the RMG area to inspect the specific machinery in order to identify the potential issues of the crane and in to have a clear understanding of the requested works.
- j) Any other extra works that might be required and could be predicted at present due to technical reasons, shall be subject to an additional offer(s) of the winning bidder. PPA may also request additional offers at its own discretion.

k) The Contractor will be equipped with all necessary measurement tools and equipment in order to achieve the alignment requirements of FEM 1.001 (3rd edition) booklet 8.
l) PPA will assign to a Third Party Inspection company the witness during the alignment of gantry wheels according to FEM Standards. The expenses will be born by PPA.
m) Any transportation of the wheels and equipment from and to PPA premises, from and to the Contractor and transportation costs must be included within the bidders offer.
2. Award Criterion: Lowest price in accordance with the technical specification and minimum requirements.
3. Location of works: Piraeus Port Authority, Container Terminal, Pier I, Piraeus, Greece.
4. Maximum completion of works: Three (3) months from date of assignment. Delays due to PPA's responsibility are not included.
5. The winning bidder will have to submit, at its own expense, a proper insurance coverage which will be in force throughout the period of the works, of a minimum of EUR 500.000 (limit of indemnity) cumulatively, against any and all damages arising out of this works, to PPA, as part of the activities and duties hereby undertaken by the winning bidder, in accordance with the terms and provisions that will be in the relevant agreement between the two parties. In the relevant insurance agreement, both PPA SA and the Greek state must be co-insured.
6. The contractor must abide by all relevant health and safety regulations according to Greek law and any other applicable port regulations of PPA S.A. as stated in the website of PPA.
7. Payment terms: 100% after the services' final installation and acceptance by the competent Acceptance Committee of PPA and within two (2) months upon invoicing (invoice can be issued upon completion of the project). In case the installation and alignment of gantry wheels are not completed due to PPA reasons, the bidder has the right to partially invoice for activities already completed.
8. Attached you will find drawings of RMG crane's gantry system including wheels, shafts, covers and housings.