



MEE/K2/ 077 / 2017/ Dy CME (Marine)

CHENNAI PORT TRUST  
MECHANICAL AND ELECTRICAL ENGINEERING DEPARTMENT  
No.1, Rajaji Salai, Chennai - 600 001.

Sub:- **Budgetary - Budgetary Offer for the lowering the crane jib of Floating Crane Thangam** - Regarding.

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The Trust seeks budgetary offers for the work of Floating Crane Thangam lowering of crane jib

**SCHEDULE 'A'**  
**TECHNICAL SPECIFICATIONS**

**Scope of work:**

Chennai Port Trust proposes to carryout lowering of crane jib of 150 Ton FC Thangam.

The work involves slipped wire rope to placed in the pulley, to secure the moving counter weight with the shaft pin, to remove the horizontal shaft and the lowering the Crane jib on the parking position .

**Technical Specification:**

1. The range of auxiliary hook is to be taken back to minimum with the luffing gear rack, under PLC safety protection condition .

2. To fit (5) Nos, of turnbuckles connecting with balance beam , making it secured and making the limit switch effective.
3. To secure the moving counterweight with shaft-pin.
4. Dismounting the shaft-pin of drawbar & connecting plates.
5. To jack out the horizontal shaft on the even balance beam with 10 T jack. Placing the shaft on the bracket and securing it.
6. To start the lay-down mechanism , lay-down the jib gradually, placing the main & auxiliary hook, into its support frames, fastening the steel wire of main and auxiliary hooks making the limit switch effective of the jib support frame. The light of the jib support frame should be lit. So far, the jib lay-down procedure is over or completed.
7. After the jib structure is being lay-down, if the floating crane is under towing or at anti-typhoon preparation ,the locking device for the gear racks is to be secured as well. If the light for limit switch is on that showing effective. The drawbar is to be secured by turn buckles.
8. To place the sliding block of counter weight support frame into the concave groove by turning the handle, keeping the limit switch effective.
9. The two Nos. of 10T jacks two counter weight support frame are to be jack-up and keeping it effective, ensuring that no phenomenon of vacillating and staggering condition occurred on the whole crane body.
10. Firms should bring the necessary special tools, like hydraulic jacks and stud remover etc.

#### **GENERAL CONDITIONS:**

- i) Necessary scaffolding to be erected by the contractor for Carry out the work
- ii) All tools, tackles, transportation requirements man power for the work is the responsibility of the contractor.

- iii) The Contractor shall ensure that minimum wages have paid to the employer engaged by the Contractor.
- iv) Necessary entry passes have to be arranged by the Contractor.
- v) The Contractor should provide safety Gears / Devices to the employees engaged for the work.
- vi) The contractor may inspect the FC Thangam before quoting the rates.
- vii) The Contractor should furnish the ESI certificate.
- viii) Insurance cover should be taken for the employees engaged by the contractor.

2. The rates shall be quoted for carrying out the above work in the **Cost Schedule 'A1'** only and the price quoted shall be firm till the completion of work.

**3. Payment Terms:**

The payment shall be made within 30 days from the date of receipt of the bill.

Hence, kindly furnish your budgetary offer as per the Trust's enclosed Cost Schedule A1 so as to reach the office on or before 31.07.2017 to the Chief Mechanical Engineer, Chennai Port Trust located at the 7<sup>th</sup> Floor of Centenary Building.

**BUDGETARY OFFER FOR LOWERING THE CRANE JIB OF FLOATING  
CRANE THANGAM- REG.**

**SCHEDULE 'A1'**

**SCHEDULE OF QUANTITIES**

S.No.	Description of the work	Quantity	Unit / Rate	Cost
1.	Charges for placing the slipped wire ropes to the pulley.	Lumpsum		
2.	Charges for lowering the crane jib of F.C. Thangam in the parking position as per the Technical Specification	Lumpsum		
3.	Charges for removing the horizontal shaft as per the Technical Specification.	Lumpsum		
3.	GST, if any (% to be specified)			
	Grand Total			
Rupees				

**CONTRACTOR**