



कोलकाता पोर्ट ट्रस्ट, कोलकाता, भारत / Syama Prasad Mookherjee

Port, Kolkata

कोलकाता पोर्ट ट्रस्ट / Mechanical & Electrical  
Engineering Department



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कोलकाता पोर्ट ट्रस्ट-I/ 1377

कोलकाता पोर्ट ट्रस्ट:

23.09.2020

Letter No.Mech/EP-I/ 1377

Date: 23.09.2020

**M/s. Raghunath Enterprise,**  
**82/128, Beni Master Lane,**  
**Post-Sarsuna, Kolkata- 700 061**  
**"Bansi Jana" <bansibadanjana@yahoo.in>**

**M/s. Hooghly Marine Engineering Transport Service Pvt. Ltd.,**  
**1-A, Subodh Mallick Square, Kolkata – 700 013.**  
**"hooghly" <hooghly\_marine@rediffmail.com>;**

**M/s. Sea Syst Engineering (India) Private Limited,**  
**217, Raheja Arcade, Sakal Road, Sector – 11,**  
**CBD Belapur, Navi Mumbai – 400 614.**  
**"seasyst" [admin@seasyst.in](mailto:admin@seasyst.in)**

**M/s. Hyprecision Hydraulik,**  
**34, "Sanjay" Building,**  
**No.6 Mittal Indl. Estate,**  
**Andheri-Kurla Road,**  
**Andheri (East),**  
**Mumbai – 400 059**  
**"HYprecision Hydraulik" <kolkata@hhservices.in>;**

**Sub:** Special limited tender for the work of "Removing of both opening and closing hand ram cylinder units of Swing Bridge and refitting the same after replacement of damaged seal kits of both ram cylinder units and commissioning of the Bridge"

Dear Sirs,

Quotation is invited for the subject work in a sealed cover, super scribing the work as per enclosed specification, Scope of work and bill of quantities.

Documentary evidence for PAN No, GST, Trade license are to be submitted along with the quotation.

The firms are requested to deposit a sum of Rs.21,080/( Rupees Twenty One Thousand Eighty only)- towards Earnest Money in DD/Banker's Cheque/Pay Order on any Kolkata Branch of a nationalized/schedule commercial bank of India, drawn in favour of Kolkata Port Trust along with their offer. The firms are also requested to accept KoPT's all terms and conditions as incorporated in the tender documents.

Sealed offer in single part, containing earnest money, and techno commercial part of the tender bearing signature of appropriate authority on each page and price bid without any addition & alternation with respect to tender should reach this office on or before 14.00 hrs. on

( ०० ०००००००००० /J.Bhattacharya)  
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Engineer(Project)-I  
०००० ०००००० ००००००००० ०००००००० /for Chief Mechanical  
Engineer

**A. Brief description of Slewing mechanism of Swing Bridge of KPD:**

The Swing Bridge is pivoted on Slewing mechanism, which is mounted on the island. The Slewing mechanism is connected to the Bridge, which slews the bridge from  $0^{\circ}$ - $90^{\circ}$ . At  $0^{\circ}$  the bridge is parallel to both banks of channel (open to shipping) and at  $90^{\circ}$  (open to road) it connects East Kidderpore to the West end of Kidderpore.

2 Single Acting Hydraulic Cylinders are connected through Chain and Pulley in such a way that when Cylinder 1 is pushed out, the Bridge rotates from  $0^{\circ}$ - $90^{\circ}$  and at the same time it pushes Cylinder No.2 from full stroke to 0(zero) stroke. To reverse the bridge from  $90^{\circ}$  -  $0^{\circ}$ , Cylinder No.2 is pushed out.

**B. Scope of Work & Description of Work items:**

1. Positioning of ram cylinders to easy access for its removal from its pits.
2. Dismantling of all connected pressure pipes followed by plugging.
3. Dismantling of wrapping chain after removing from its anchoring end.
4. Dismantling of guide rod/bar from its bracket.
5. Unscrew the holding bolts and lifting up of whole assembly with ram, cross head & cylinder and lowered at a suitable site for further dismantling of its individual unit.
6. Removing of crosshead from Ram.
7. Removing of gland.
8. Removing of ram from cylinder unit.
9. Refitting of new seal kits in its position with new equivalent one of the dismantled Ram Cylinder assembly as per drawing enclosed. MOC seal kit is NBR.
10. Assembling of ram with cross head and cylinder unit.
11. Whole assembly to be lifted up and lowered in its position at ram cylinder pit followed by fittings of holding bolts, guide rod/bar, wrapping of chains, fitting in its anchoring end, reconnect pressure pipes and then successful trial to put in commission.
12. To carry out the above work support of Crane vessel would be provided on free of cost.

**C. Terms and conditions:**

1. Terms of Payment : 100% amount will be paid after completion of entire work and commissioning of Bridge as per scope of work to the satisfaction of KoPT's representative against submission of bill complete in all respect including submission of work done certificate. Certification of the work is required to be given from Executive Engineer, DBM's end or his representative.
2. Completion period: The total completion time for the job is 09 days from the date of site clearance by KoPT. The total completion time of 09 days shall be calculated cumulatively from the date of clear expressed permission from KoPT to commence the job as mentioned above till the satisfactory work completion and commissioning of the bridge. The period of any disruption/stoppage of work due to operational urgency of KoPT shall not be counted while calculating the completion period. However, such disruption/stoppage of work has to be recorded in 'Hindrance Register' to be maintained by the contractor and to be countersigned by the representative of Executive Engineer(DBM/KPD)).
3. Liquidated damage : In case the work is not completed within the stipulated completion period, liquidated damage @ ½ % per week subject to a maximum of 10% of the ordered value will be deducted from the bill.
4. Security Deposit: 10% of the value of the billed amount would be kept deducted as Security Deposit from the bill and the same shall be refunded without interest after successful completion of the Guarantee Period of six months from the date of completion of the entire job to the satisfaction of KoPT.
5. Guarantee period: The successful contractor shall give guarantee regarding quality of materials, workmanship for a period of six months from the date of commissioning of the repaired item.
6. During removing and refitting of cylinder KoPT will provide Crane Vessel on free of cost.
7. Dock Permit : Dock permit for entering inside the Dock shall be provided by KoPT against application for work pertaining to BOQ for the required number of days free of cost, against one-time payment of Rs.5.00 per head for generating computerized identification or as may be revised during the pendency of the contract.
8. Any insurance coverage shall have to be arranged by you at our own cost & liability.
9. Personal Protective Equipment: Personnel deployed by you should have Personal Protective Equipment as would be necessary for the given working condition.
10. Water and toilet facility as available in the dock area shall be extended to the contractor free of cost.

11. All other terms and condition not mentioned separately would be governed by KoPT's General Conditions of Contract enclosed with this Tender Document.

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কলকাতা পোর্ট ট্রাস্ট, কলকাতা / Syama Prasad Mookherjee

Port, Kolkata

কলকাতা পোর্ট ট্রাস্ট ইঞ্জিনিয়ারিং ডিপার্টমেন্ট / Mechanical & Electrical Engineering Department

ISO 9001 : 2000  
APPROVED BY IQRS



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### Removing of ram cylinder units of Swing Bridge and refitting the same after replacement of damaged seal kits and commissioning of the Bridge

Sl. No.	Description of work	Unit rate in Rs. (A)	Qty. (B)	Price in Rs. excluding GST (AxB)
1.	Removing ram cylinder unit of Swing Bridge and refitting the same after replacement of damaged seal kits as per scope of work		2	
	<b>Total</b>			

\* GST will be paid extra as applicable.

\* Quantity mentioned above for evaluation purpose only Payment will be made on actual.

Signature of the Firm.....

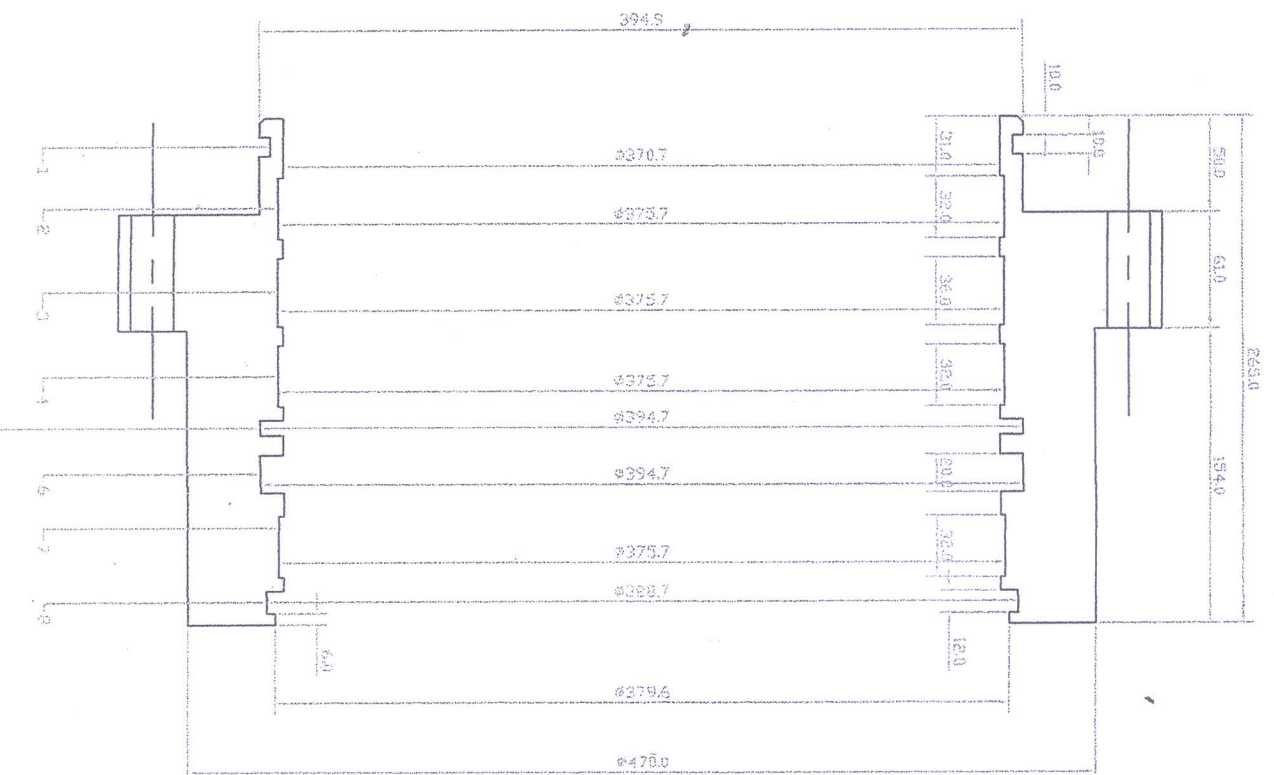
Name.....

Designation.....

Seal of Firm.....

Date.....

Address.....



# THE SCOTT

FLANCH  
SECTION DRG.  
SHOWING DIL SEALS PASSAGE