



भारतीय अन्तर्देशीय जलमार्ग प्राधिकरण  
INLAND WATERWAYS AUTHORITY OF INDIA

(पत्तन पोत परिवहन और जलमार्ग मंत्रालय, भारत सरकार)  
(Ministry of Ports, Shipping and Waterways)  
(Govt. of India)



क्षेत्रीय कार्यालय:

गायघाट, पो0-गुलजारबाग  
पटना- 800007  
दूरभाष : 0612-2310026  
फैक्स: 0612-2310029

Regional Office:

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Patna – 800007  
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E-mail: [iwaiptn@rediffmail.com](mailto:iwaiptn@rediffmail.com)

File No-12-IWAI/ENGG/P (46)/2023-24 /1846

Date: 16.01.2025

18

**NOTICE INVITING QUOTATION (NIQ)**

**Sub:** NIQ for repair of Both Rudder Assembly(Port&stbd) of survey vessel SL Mandakini at Khan Ghat,Barh,Patna-reg.

Inland Waterways Authority of India (IWAI) invites Sealed Quotations from experienced resourceful and reputed firm/contractors for repair of Both Rudder Assembly(Port&stbd) of survey vessel SL Mandakini at Khan Ghat,Barh,Patna.The detail of BOQ is enclosed as Annex-1.

**The terms and conditions are as under: -**

1. The repair work shall be completed within **15 (fifteen) days** from the date of receipt of work order as per directive of EIC.
2. The quoted price shall be excluding GST as per applicable and including transportation charges, labour charges as mentioned in scope of work etc.No other claim will be entertain.
3. Repairer shall be submit scanned copy of PAN card, GST certificate, firm registration certificate and MSME registration certificate.
4. The repairer shall have past exeperince related to similar nature of work/familiar with electrical/civil/mechanical work in revier side/riverine work etc.
5. The repairer shall be submit Bank detail & cancelled cheque.
6. In case of delay in completion of the above repairing work and delivery, liquidated damages will be applicable @ 1.0% per week subject to a maximum 10% on the total value of the contract.
7. The payment shall be released on submission of bill/invoice alongwith work completion certificate duly certification by officers concerned within 15days.
8. The standard guarantee/warranty shall be applicable as per manufacturing norms/company rules and guarantee/warranty card/documents shall be submitted along with bill/invoice to this office.
9. The repairer/contractor shall submit the BOQ (Annex-1) after duly stamp and signature.
10. IWAI reserve the right to accept or cancel any quotation without assigning any reason or any prior notice.

The sealed quotation should reach to IWAI, Regional office, Post-Gulzarbagh, PS-Alamganj, Patna-Bihar (800007) latest by 24.01.2025 at 15:00 hrs any delay in receipt of quotation what so ever will not be entertained. The received quotation will be open on same day at 15:30hrs.

  
(V. Murugesan) 15/1/2025

Director, IWAI, RO, Patna

**Encl:** - As stated above.

**Copy to :**

1. IWAI Notice board
2. Uploading IWAI Website

**BOQ for repair of Both Rudder Assembly(Port&stbd) of survey vessel SL  
Mandakini,Patna.**

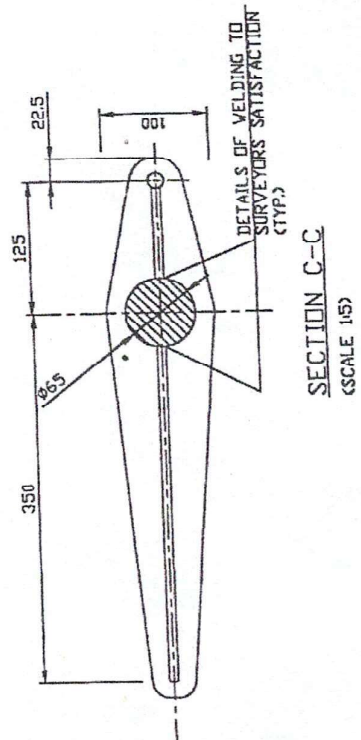
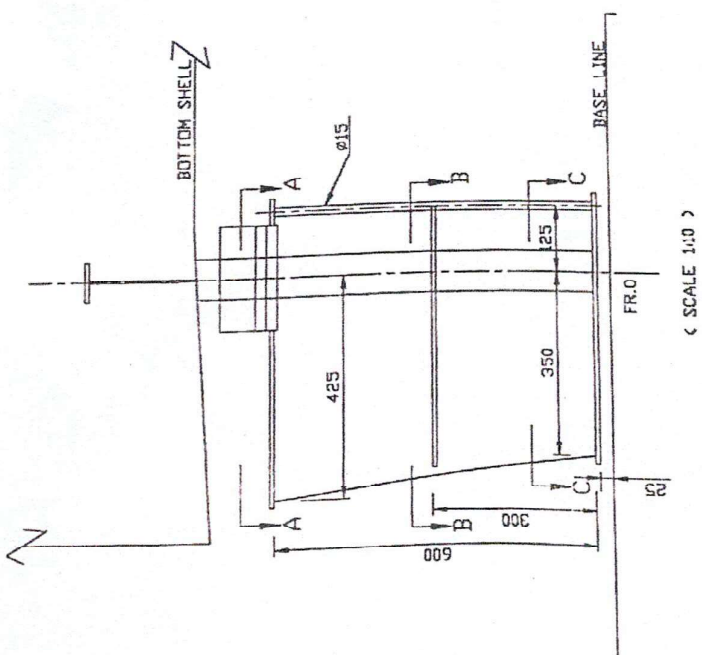
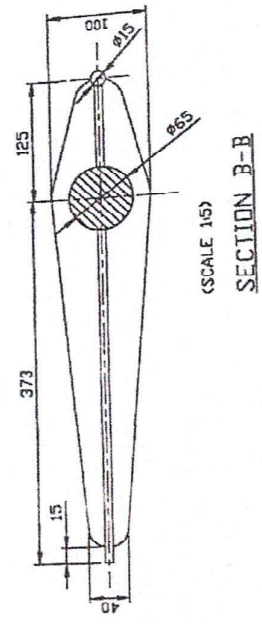
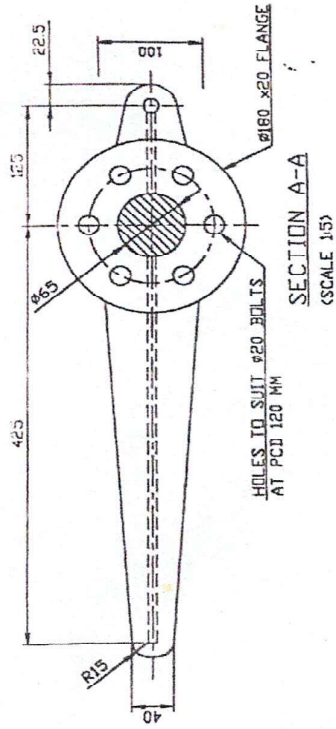
**Dim: L -24.55 M, B -5.5 M, Depth - 2.6 M, GRT - 92, Draft: 1M.**

| SI.No | Description of work   | Unit | Qty.     | Rate | Amount | Remarks |
|-------|---|------|----------|------|--------|---------|
| 1.0   | Both damaged <b>Rudder (Port &amp; stbd)</b> of vessel SL Mandakini to be dismantled, rudder stock, shaft, bushes etc to be checked. new one rudder assembly to be fitted back in OE position as per approved drawing (drawing enclosed) with precaution of safety and security as work is executed in floating condition in river(Ganga) as per direction of EIC . |      |          |      |        |         |
| 1.1   | Labour charges for opening & new rudder assembly fitting  | No   | <b>2</b> |      |        |         |
| 1.2   | Tantative Cost of complete assembly manufactured rudder & rudder stock and its accessories of both rudder (port & stbd) including transportation cost as per approved drawing and existing sample.  | LS   |          |      |        |         |

**Note:**Excluding GST as per applicable

*Chauhan*  
*Patna*  
*2*

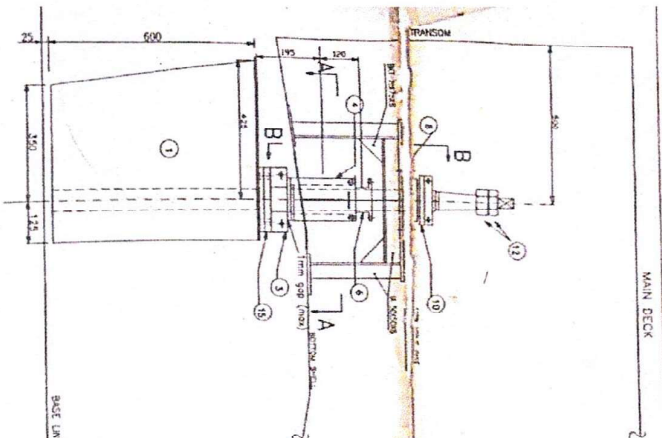
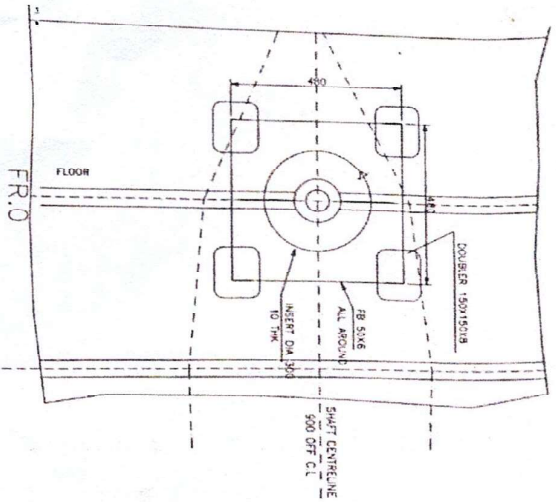
**Repairer sign & seal**



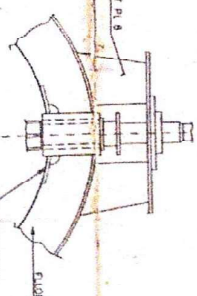
AS BUILT

| REV.                            |  | DATE |  | BY                      |  | CHK |  |
|---------------------------------|--|------|--|-------------------------|--|-----|--|
|                                 |  |      |  |                         |  |     |  |
| AS SUBMITTED TO BE FOR APPROVAL |  |      |  |                         |  |     |  |
| SPECIFICATIONS                  |  |      |  |                         |  |     |  |
| TEBMA SHIPYARDS LTD             |  |      |  |                         |  |     |  |
| THIRD FLOOR, KHALEELI CENTRE    |  |      |  |                         |  |     |  |
| 149, MONTETH ROAD               |  |      |  |                         |  |     |  |
| CHENNAI-600 008                 |  |      |  |                         |  |     |  |
| PROJECT/NO. IS.                 |  |      |  | SURVEY LAUNCH / 091-095 |  |     |  |
| CLASS.                          |  |      |  | IV/VI                   |  |     |  |
| SEC.                            |  |      |  | RUDDER                  |  |     |  |
| DRAWN                           |  |      |  | AS SHOWN                |  |     |  |
| DATE                            |  |      |  | 09-04-02                |  |     |  |
| JOB                             |  |      |  |                         |  |     |  |

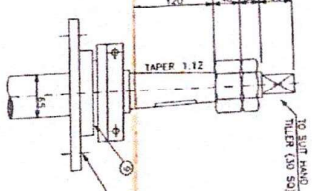
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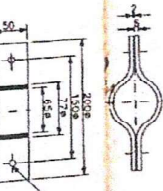
SECTION B-B



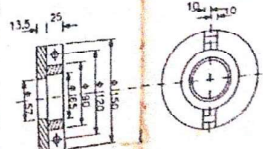
DETAILS OF BEARING & LOCK NUTS (SCALE - 1:5)



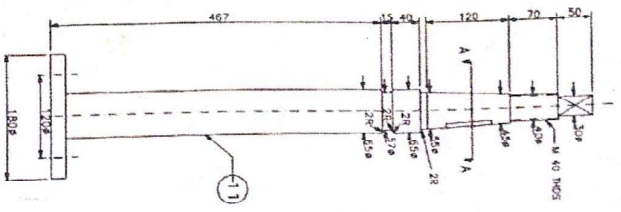
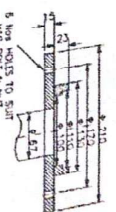
DETAILS OF ANTI-LUBRICATION COLLAR (SCALE - 1:5)



DETAILS OF RUDDER CARRIER (SCALE - 1:5)

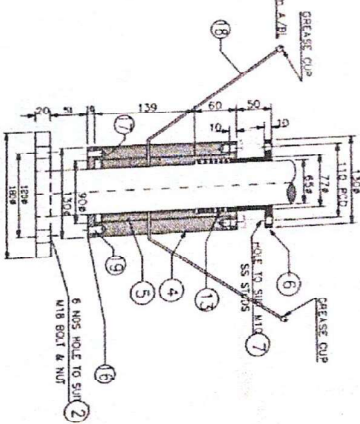


DETAILS OF BEARING HOUSING (SCALE - 1:5)

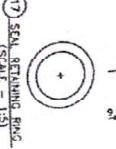


SECTION A-A

DETAILS OF BOTTOM BEARING (SCALE - 1:5)



DETAILS OF ANTI-LUBRICATION COLLAR (SCALE - 1:5)



| S/N | DESCRIPTION                      | MATL                    | QTY | REMARKS      |
|-----|----------------------------------|-------------------------|-----|--------------|
| 1   | SPACE RUDDER                     | M.S.                    | 2   | FRONT BOLTS  |
| 2   | MIB COUPLING BOLTS & NUTS        | M.S.                    | 2   | IN TWO PAIRS |
| 3   | ANTI-JUMPING COLLAR/W/OUTERMOUNT | M.S.                    | 2   | IN TWO PAIRS |
| 4   | BOSS (S/WELDRABLE)               | G.M.                    | 2   |              |
| 5   | BUSH                             | G.M.                    | 2   |              |
| 6   | GLAND                            | G.M.                    | 2   |              |
| 7   | M-10 STUDS 120L                  | M.S.                    | 4   |              |
| 8   | BEARING HOUSING                  | M.S.                    | 2   |              |
| 9   | BEARING (DID 65.D.100.HI.27)     | M.S. (FORGED)           | 2   |              |
| 10  | RUDDER CARRIER (W/OUTERMOUNT)    | M.S.                    | 2   | IN TWO PAIRS |
| 11  | RUDDER STOCK                     | M.S.                    | 2   |              |
| 12  | M-10 LOCK NUTS & CHECK NUTS      | M.S.                    | 4   |              |
| 13  | PACKING                          | 8 TORQUE FOR TWO STOCKS | 4   |              |
| 14  | M 10 BOLT & NUT                  | M.S.                    | 12  |              |
| 15  | STOCK FLANGE                     | M.S.                    | 2   |              |
| 16  | CLOSING PLATE                    | M.S.                    | 2   |              |
| 17  | SEAL RETAINING RING              | M.S.                    | 4   |              |
| 18  | GREASE PIPE                      | M.S.                    | 2   |              |
| 19  | ALLEN SCREWS                     | M.S.                    | 4   |              |

AS PER DRAWING

APPROVED BY THE OFFICE

DETAILS OF UPPER RUDDER STOCK (SCALE - 1:5)

|            |      |        |
|------------|------|--------|
| REVISED BY | DATE | REASON |
|            |      |        |
|            |      |        |
|            |      |        |

AS PER DRAWING

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| NO. | REV. | DATE | DESCRIPTION |
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RUDDER STOCK ASSEMBLY/DWG

03-24-88

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