



E N Q U I R Y



IRQS
AN ISO 9001 UNIT

HOOGHLY DOCK & PORT ENGINEERS LTD.

(A Government of India Undertaking)

SHIP BUILDERS – SHIP REPAIRERS – ENGINEERS

:

:Enq. no. 10/0181/09-10/
P-123 to 128/E-161

Registered Office : 1 R.N. Mukerjee Road, Kolkata – 700 001 : Date:15. 06.2010

Nazirgunge Works : P.O. Danesh Sk.Lane, Howrah – 711 109 :

Phone : 2688 8000 :Due Date: 30. 06.2010

Fax : + 91-033-2688 5852 :

e-mail : hdpelnw@satyam.net.in :

: hepelnw@gmail.com

Website : www.hooghlydock.gov.in :

To

M/s

Sub: Supply of Lighting Transformer with connection Boxes for 6 nos. Work Boat of IWAI

Sealed tenders are invited from manufacturers for supply of Lighting Transformer with Connection Boxes for 6 nos. Work Boat of IWAI.as per enclosed Technical specification in Annexure-I.

- 1] Sealed offers are to be submitted in Two Parts.
 - a) **Part –I** (Techno Commercial Bid) – To contain, all technical particulars, leaflets, Drawing, Specifications, Delivery Time & other Commercial terms.
 - b) **Part – II** (Price Bid) – To contain Price only.

Both Part I & II duly sealed & marked be submitted in main cover superscribed Tender no.

- 2] Lighting Transformer with Connection Boxes shall comply to rules & regulations of Indian Register of Shipping for construction and Classifications of Indian Waterways vessels.
- 3] **INSPECTION:** By Indian Register of Shipping & HDPEL representatives.
- 4] **DELIVERY:** Earlier delivery schedule is to be offered.
- 5] **SECURITY DEPOSIT:**
The successful tenderer shall have to be deposited 5% of the total value of the purchase order & Security Deposit in the form of Cash/Demand Draft or Bank Guarantee.

- 6] L.D.CLAUSE :
In case of delay in delivery of the materials beyond contractual stipulation, Liquidated damage @ 1% per weeks delay or part thereof subject to a maximum of 10% of the value of the lot shall be imposed and recovered from you.
- 7] RISK PURCHASE:
In the event of failure in supplying the materials as per contractual terms, HDPEL reserves the right to cancel the order and procure the materials from any other source at your risk of cost.
- 8] PERFORMANCE GUARANTEE:
Successful bidder / bidders are to submit Bank Guarantee for 10% value of the Purchase Order towards Performance of the equipment, Valid up to 18 months from the date of supply or 12 months from the date of commissioning.
- 9] VALIDITY OF OFFER:
90 days from the date of opening.

for Hooghly Dock & Port Engineers Ltd.

Head (M.S.D) – NW

Enq. no. 10/0181/09-10/P-123 to 128/E- 161, Date:07.06.2010

**TECHNICAL SPECIFICATION F LIGHTING TRANSFORMET WITH
CONNECTION BOXES
FOR 6 NOS. WORKBNOATS FOR
INLAND WATER WAYS AUTHORITY OF INDIA
(YARD NOS.P-123 TO 128)**

Quantity: 1 number per vessel (total 6 nos.)

Capacity: 9 KVA + 3 KVA

Inspection:

The equipment is to be inspected at the manufacturer's premises by IRS & HDPEL representatives.

Drawings & Certificates:

In general the equipment construction, design, electrical performances & testing etc. are to be as per IRS rule requirements for IW rules.

1. IRS Certificate, Manufacturers Test & Guarantee certificates in duplicate are to be supplied along with each transformer.
2. 4 sets of complete ckt drgs. And 6 sets Foundation details along with GA for each item are to be provided for yard approval and preliminary foundation work within two weeks of receipt of order.
3. Necessary sets of dimensional drgs., circuit diagrams & bill of materials comprising make and rating of components are to be submitted for IRS approval. IRS approvals are to be obtained by the manufacturer.
4. 2 set of IRS approved drawings for each ship set are to be forwarded to us for our record.
5. 6 sets of "AS MADE" drawings for each ship set are to be supplied with the equipment.

Service condition:

Equipment are to be of Marine type and shall withstand without hampering its normal operation marine atmosphere, tropical condition and marine adversaries.

Painting:

Light BS Grey Shade 697 of IS 5 outside and White Shed inside with ll necessary pre-treatments etc.

General Construction:

4 Numbers 3KVA each Transformer of the given details are to be enclosed in separate enclosures as detailed below to be housed in common Deck mounting Base Channels. The unit is to have well connected Earth Bolts in Both sides with symbols and Lifting Eye Bolts on Top.

Enclosures:

IP-22 Protected, 14 SWG Sheet Steel enclosures with necessary stiffening having Air passage louvers with wire nets in all sides and Canopy on top.

Transformers:

Voltage Ratio	415/220V
Rating	3KVA each
Insulation	Class-B
Winding	Copper Conductor
Core	CRGO Steel

Connection:

3 nos. of the Transformers are to be connected in Delta-Delta-Zero connection and the fourth one will remain as spare.

Connection Boxes:

Two numbers – Primary and Secondary.

Primary and Secondary connection boxes are to have HRC Fuse Base with Links of proper ratings in such a manner that three numbers of Transformers are always connected to form Three Phase Transformer and the fourth one can be connected only by changing the links when necessary. Both the connection box to have removable type bolted Gland plate fitted with sufficient numbers of Glands with proper gasketing arrangements at the bottom.

Make of the components:

All the components are to be used of IRS approved Type and Make, having Rating as per Approved Single Line Diagrams.

For reference the following makes can be considered.

HRC fuse - Siemens / GE / EE / L&T.

for Hooghly Dock & Port Engineers Ltd.

Head (Materials)-NW