

**TENDER DOCUMENT**

**FOR PUSHER TUG**

**(Bid Ref No. Secy/PPC/BRC/04)**



---

**Inland Water Transport Development Company (IWTDC)**

No. 34-A, Street 27, Valley Road, Westridge, Rawalpindi

Ph # 051-5491494-95, [www.iwt.punjab.gov.pk](http://www.iwt.punjab.gov.pk)



## INLAND WATER TRANSPORT DEVELOPMENT COMPANY



12 August, 2015

### Invitation for Bids/Quotations For PUSHER TUG (Bid Ref No. Secy/PPC/BRC/04)

- A. Inland Water Transport Development Company (IWTDC) has been established by Government of the Punjab and formally registered under Section 42 of Companies Ordinance 1984 in Aug 2014.
- B. Interested bidders may inspect the tender documents with complete specifications at the address of IWTDC between **0900 Hrs to 1700 Hrs** or may download tender documents from IWTDC ([www.iwt.punjab.gov.pk](http://www.iwt.punjab.gov.pk)) and PPRA ([www.ppra.punjab.gov.pk](http://www.ppra.punjab.gov.pk)) websites. The procurement shall be completed in accordance with Punjab Procurement Rules 2014.
- C. **A single package containing Firm Profile & Technical and Financial Responses, in separate envelopes**, duly signed, stamped, sealed and in complete conformity with tender document should reach IWTDC office Rawalpindi, on or before **1100 Hours on 12 Sep, 2015** for Pusher Tug. Tenders will be opened at **1200 Hours on the same day** in the presence of bidders' representatives who choose to attend, at **IWTDC Office**. Late tenders will be rejected and returned unopened to bidders.
- D. In case the bid opening date is declared a public holiday then the bids will be received and opened on the next working day or as notified.
- E. Bidders must ensure that all the required documents indicated in the Bidding Documents are submitted with the bid without fail. Incomplete bids or bids received without undertakings, valid documentary evidence, supporting documents or are not sealed, signed or stamped, late or submitted by other than specified mode will not be considered.
- F. Income/sales tax registration certificate and other documents as mentioned in bidding documents must accompany the bids. Taxes will be deducted as per Government of Pakistan and Government of the Punjab rules at source.
- I. There will be no price negotiations with the lowest evaluated responsive bidder. Bidders are, therefore requested to submit their lowest and best prices with their bids.

**Note:** IWTDC may reject all bids or proposals at any time prior to the acceptance of a bid or proposal, as provided under Punjab Procurement Rules, 2014.

**Chief Executive Officer**  
Inland Water Transport Development Company  
No. 34-A, Street 27, Valley Road, Westridge, Rawalpindi  
Tel: 051 5491494-5 Fax: 051-2651153

## **GENERAL TERMS & CONDITIONS**

### **1. Invitation to Bid**

1.1 Bids are invited for 1-2 Pusher Tugs, details of which are given in Annex B.

1.2 This Bidding Process will be governed under Punjab Procurement Rules, 2014, as amended from time to time and instructions of the Government of the Punjab received during the completion of the process. PPRA Rules 2014 may be obtained from PPRA's website <http://www.ppra.punjab.gov.pk>. Moreover, in this document, unless otherwise mentioned to the contrary, "Rule" means a Rule under the Punjab Procurement Rules, 2014.

### **2. Bidding Details (Instructions to Bidders)**

2.1 Queries of the Bidders (if any) for seeking clarifications regarding the services required must be received in writing to the IWTDC till 25 Aug, 2015 for Pusher Tug which will be promptly responded (within 07 days of receipt).

2.2 The Bidder is fully and completely responsible for all deliveries/deliverables to IWTDC Office and compliance to General Terms and Conditions.

2.3 Bidders are also required to state, in their proposals, the name, title, contact number (landline, mobile), fax number, e-mail address and registered address of the vessels owning company, management company (if any) and authorized representative through whom all communications shall be directed until the process has been completed or terminated.

2.4 The IWTDC will not be responsible for any costs or expenses incurred by bidders in connection with the preparation or delivery of bids.

### **3. Bid Price**

The quoted price shall be:

3.1 Best/final/fixed & valid until completion of all deliveries/deliverables and not subject to escalation / variation.

3.2 Pak Rupees or foreign currency and mentioned both in Words & Figures. The exchange rate of State Bank of Pakistan for foreign currency will be applied which exist on the date of opening of Financial Bids.

3.3 The Financial offer should be submitted covering all items with the technical specifications at Annex B.

### **4. Bid Validity**

4.1 The Bid shall have a minimum validity period of **06 months** from the date for submission of the Bid.

### **5. Opening of the Bid**

5.1 The Bidder's name, modifications, withdrawal, security, attendance of the Bidder

and such other details as the IWTDC may, at its exclusive discretion, consider appropriate, shall be announced and recorded.

## **6. Clarification of the Bid**

6.1 The IWTDC shall have the right, at its sole/exclusive discretion, to enquire, in writing, further information or clarification of the Bid, from any or all the Bidder(s). No change in the price or substance of the Bid shall be sought, offered or permitted except classification and as required to confirm the corrections of arithmetical errors.

## **7. Correction of errors / Amendment of Bid**

7.1 The Bid price as determined after arithmetic corrections shall be termed as the Corrected Total Bid Price which shall be binding upon the Bidder.

## **8. Technical Evaluation Criteria**

8.1 The Bids which do not conform to the Technical Specifications/requirements at Annex A and Annex B will be rejected:

8.2 Specifications for Pusher Tug are appended as Annex 'A' and Annex 'B' along with IWTDC operational requirements.

8.3 The bids must be accompanied by a bank draft of Rs 100,000/- which will be reimbursed to the unsuccessful bidder.

8.4 ELIGIBILITY MARKS: A technically eligible bidder, based on conditions listed in this document, not meeting the 50% pass marks limit will be rejected in Technical Evaluation, and its sealed/unopened Financial Proposal shall be returned back. Top three scoring greater than or equal to 50% of the marks will be accepted in technical proposal, and their financial bids will be opened. The overall best evaluated technical and financially lowest bids (combined) will be taken as the viable and acceptable Bidder.

The Bidders who have duly complied with the Eligibility/Qualification and Evaluation Criteria against all items will be eligible for further processing.

8.5 It is notified that following documents beside the other mentioned in the tender document, should be accompanied with the bid documents otherwise bid/offer will be considered non responsive and rejected.

- a. Proof of Ownership and Authorization of Ownership for submitting a bid.
- b. Class certificate or National Operating License valid on the date of delivery of Bid documents. All certificates must be updated to one year validity at the time of signing of contract.

8.6 The technical details given at Annex B shall be filled-in as per the same format. The Technical proposals including mentioned in Para 8.5 shall be evaluated by the committee in the light of following evaluation criteria categorized as under:

S. No.	Attributes	Max. Marks	Score distribution	Requirements	Score Obtained
a.	Life of Vessel after Construction	25	25	Constructed less than 1 year	
			20	Age more than 1 year but less than 5 years	
			15	Age more than 5 years but less than 10 years	
			10	Age more than 10 years but less than 15 years	
			5	Age more than 15 years but less than 20 years	
b.	Engines HP	30	30	1100 hp – 1200 hp or above	
			20	1000 hp – 1100 hp	
			10	900 hp – 1000 hp	
			5	800 hp – 900 hp	
c.	Electronic Charting System (Navigation software, embedded GPS, echo sounder)	15	15	All Yes	
			5	Only echosounder available	
			0	No	
d.	No. of Maintenance / major overhaul conducted	15	15	1 or nill	
			10	2	
			05	3 or more	
e.	Plate Thickness (Bottom, Side, Deck)	15	15	10,8,8	
			10	10,8,6	
			5	8,6,6	
f.	Electro Hydraulic Steering sys and emergency	15	15	Electro Hydraulic Steering sys and emergency	
			5	Manual Hydraulic Steering sys and emergency	
g.	Bollard Pull 8 ton and Push knee to push 400 ton Barge	20	20	All	
			10	All except Bollard Pull 8 ton and auto disengaging gear	
			0	With no Push Knee	
h.	Anchoring system AC or DC, Manual	15	15	Electrical Anchoring system AC and Manual (emergency)	
			10	Anchoring system DC and Manual (emergency)	
			0	All Manual	
j.	Generator with Backup, AC, DC systems	20	20	All	
			10	All except Generator with Backup	
			5	Only DC system	
k.	CO <sub>2</sub> drenching (Fix) system, Fire Alarm system, De-flooding arrangement and alarm system	15	15	All Yes	
			10	All except De-flooding arrangement and alarm system	
			5	All except CO <sub>2</sub> drenching (Fix) system, De-flooding arrangement and alarm system	
l.	Spares and	10	10	Maintainable in Pakistan	

	Maintenance Supportability		05	Maintenance in abroad through respective OEM/guarantee certificate	
	<b>Total Marks</b>	<b>195</b>			

Note: Verifiable documentary proof for all above requirements and criteria points are mandatory requirement and marks will be awarded on the basis of these verifiable proofs.

### **General Terms & Conditions**

8.6.1 All standard equipment list to be provided in technical bid with the condition of delivery and testing at Daudkhel.

8.6.2 Financial offers may be FOB load port from where direct service to Pakistan is available. Vessels in Pakistani waters may be offered ex-port Qasim.

8.6.3 All taxes in Pakistan will be paid by Client (IWTDC)

8.6.4 Vessels must be in condition transportable on 40 ft truck or low bed trailer or be containerized in sections for assembly at Daudkhel by the Suppliers. In case of assembling at Daudkhel, bidder will be responsible for classification certificates validation.

8.6.5 List of optional equipment may also be provided along with prices with condition of testing and delivery at Daudkhel.

### **9. FINANCIAL PROPOSAL EVALUATION**

9.1 Top three technically qualified/successful bidder(s)/Tenderer(s) shall be considered for opening of the Financial Proposal(s). The Financial Proposals will be opened in the presence of the three technically qualified bidders at the time and venue mentioned above. The technically Eligible/Successful Bidder(s)/Tenderer(s) or their authorized representatives shall be allowed to take part in the Financial Proposal(s) opening.

9.2 Financial Proposal evaluation will be conducted under the Punjab Procurement Rules, 2014. All duties, taxes and expenses etc. will be responsibility of bidders. Read in conjunction with 9.4.

9.3 IWTDC will not be responsible for any erroneous calculation of tax rates or any subsequent changes in rates or structure of applicable taxes. All differences arising out as above shall be fully borne by the Successful Bidder.

9.4 Following weightage criteria will be used for evaluating financial bids as basis of award of contract:

- a. Highest Technically Qualified - 20% Reduction
- b. Second Highest Technically Qualified - 10% Reduction
- c. Third Highest Technically Qualified - Actual

### **10. Rejection / Acceptance of the Bid**

10.1 IWTDC shall have the right to increase / decrease the quantity of any or all item(s) without any change in unit prices as other terms and conditions of contract. IWTDC may

cancel/reject all bids or proposals at any time prior to the acceptance of a bid or proposal. The IWTDC shall upon request communicate to any bidder, the grounds for its rejection of all bids or proposals. The IWTDC shall incur no liability, solely, by virtue of its invoking Punjab Procurement Rules, 2014 towards the bidders. However, bidders shall be promptly informed about the rejection of the bids.

**LETTER OF OFFER**

Bid Reference No. \_\_\_\_\_

Bid/Quotation for \_\_\_\_\_

To:

**Chief Executive Officer**

Inland Water Transport Development Company,

No. 34-A, Street 27, Valley Road, Westridge, Rawalpindi.

Dear Sir,

1. Having examined the Bidding Documents, Conditions, Specifications, etc. we, the undersigned, being a company/firm/individual doing business under the name and address given below

\_\_\_\_\_ hereby offer to provide required services/items in conformity with the bidding documents at following price(s):-

**BID PRICE**

Item #	Item Description	Total Cost (Foreign Currency /PKR).
<b>Total Bid Price</b>		
Total Cost (in words) _____		

We undertake that we have fully understood all bid terms and conditions and our price entered above is in full compliance with these conditions and technical specifications

Signature \_\_\_\_\_  
(Name of Bidder in Block Capitals)

**(Company Seal/Stamp)**

**Note:** No cutting or overwriting is allowed. Any cutting or overwriting may lead to rejection of the financial bid.

**IWTDC OPERATING ENVIRONMENT AND REQUIREMENTS - PUSHER TUG**

**Primary Role:**

1. The Tug is a purpose built prime mover which is primarily required to tow the hatch/dumb barge/barges in pull or push or composite mode in different water flow conditions and associated river bends in River Indus. Tug area of operation will be in River Indus from Attock to Daudkhel.

**Secondary Role:**

2.
  - a. Tug will be utilized for towing the hatch/dumb barges of other existing companies along the river bank requesting its services.
  - b. Besides normal towing operations, Tug will be required to tow different vessels/barges in distress/machinery breakdowns as well.
3. Following operating environment/requirements need to be adhered/complied with for the Tug being offered:
  - a. Considering the relatively strong river flow and sharp bends, Tug is required to be in ship shaped bows including below water-line structure for performing Push, Pull & Composite role.
  - b. Tug should be able to manage sharp turns in the river (90 to 120 degrees) and channel width 30 meters with ease through engines performance/ controls (reach Daudkhel to Attock).
  - c. Tug should also be able to cater Indus River water velocity/flow upto average 7 kts at various places.
  - d. Tug should be capable of making cruising speed of 11 Kts and max speed of 13 Kts.
  - e. Tug's Engines should be capable of quick responses while transiting upward or downstream especially around river bends.

**IWTDC REQUIREMENTS/SPECIFICATIONS – PUSHER TUG (ABROAD)**

<b>S. No.</b>	<b>DESCRIPTION</b>	<b>REMARKS</b>
1.	Type	TUG for pull and push role capable to operate as composite and independent unit in River Indus
2.	Built/Classification	Design, construction and material as per classification society specification. Must hold class or National Certificate for Operations valid for 12 months. Copy of the said documents are to be forwarded with Tech Details for considering the Bid  Age Max. <b>20</b> years preferred; The vessels will be considered depending on their physical condition and status of their Operational Certification by national authorities or by Recognized Classification Societies.
3.	Dimensions	Length overall (LOA) – 52 ft (max) or as appropriate for shipment to Daudkhel (Punjab) through trucking. Beam – 20 ft (max) or as appropriate
4.	Draught	5 ft (feet) -
5.	Propulsion	Two propeller with dia appropriate to obtain desired towing and cruising speeds.
6.	Main Engines	2 engines. Caterpillar and Yanmar are preferred but all recognized international brands are acceptable.
7.	Output	<b>800 to 1200 hp</b> (combined) for two engines to attain speeds as mentioned in Para 9 below.
8.	Gearboxes	As appropriate. (1:3 or higher is preferred)
9.	Speed	Cruising speed - 11 kts with two engines (75% of total engines power) as independent unit Max speed with two engines - 13 Kts
10.	Bollard Pull	8 tons. Aft appropriate to towing requirement. Tensile test and other associated certificates are required for new construction tugs.
11.	Push Knee	Pusher Knee with appropriate strength to push the dump/hatch barge. All associated certificates are required for new construction tugs.
12.	Tonnage	As appropriate
13.	Plates Thickness	Mild Steel. All finished welding are to be sound, uniform and free from slag, porosity, under cutting and other defects and good engineering practices should be ensure. NDT (Non Destructive Test like DPT, X-ray, ultrasonic) Test and results certificates are required.

		Plates thickness for abroad – as appropriate
14.	Water tight integrity and compartmentation	Water tight integrity and compartmentation should give stability parameters in case flooding condition. Deflooding arrangements are to be provided
15.	Towing and Deck Equipment and Fendring Arrangement	2 x Anchor along with appropriate length & size of chain cable and winch/windlass for securing and heaving towing rope. 1 X Towing hook capable of towing up to 600 tons hatch barge. Towing gear must have disengaging capability in case of emergency. Rope Nylon for berthing and towing alongside – 4 inch x 4 in number (total 250 meters) Rope Nylon for astern towing – 6 inch x 1 in number (125 meters)
16.	Aux. Machinery	Main and standby Generators - as appropriate (70 % of total Tug load). And meant for steering system, navigation, anchor winch, air conditioning, etc Open/split air conditioning system as appropriate to environment temperature.
17.	Steering System	2 x rudders with electro hydraulic steering system of appropriate power with quick response. Emergency/ manual steering system in case of main steering system failure.
18.	Tank capacities	Fuel oil as appropriate Fresh water as appropriate Ballast tanks as appropriate Sewage as appropriate
19.	Auxiliary Equipment	As appropriate Alarms of lub oil pressure and temperature, cooling system and gauges for engines rpm, gear boxes, steering gear etc at respective locations and bridge(control room). Fixed and portable emergency lights at appropriate position.  Backup arrangement for critical equipment like echo sounder, navigation lights and communication equipment
20.	Fire fighting	Fire extinguishers/Firefighting equipment portable appropriate quantity. CO <sub>2</sub> drenching system for unmanned engine room will be preferred in new construction tugs. Fire hydrants inclusive fire hoses on upper deck and machinery/lower compartment as appropriate. Foam throwing through heavy duty nozzles/ options for fire fighting on other ship on fire.

21.	Life saving equipment	2 x life raft ( each 6-8 men),6 x hazardous life jackets, 3 x ring type life buoy, Small boat with OBM with hoisting/lowering mechanism as appropriate
22.	Navigation/Comm. Equipment	Magnetic Compass, Chart display with built in GPS and echo sounder/Electronic Navigational Chart in new construction tugs, 2 x searchlights(Rotatable and powerful), 1 x Fixed high power Motorola, 2 x VHF (portable), Navigation lights (appropriate illumination), Fixed Horn high power 1 x Clinometers at bridge centerline
23.	Accommodation/ Living	Wheel house fitted with settees attached Kitchen Living/bedding room of appropriate Sanitary facilities and storeroom - below deck or as appropriate Windows in aluminum frames and marine standards Small kitchenette beside the bridge with refrigerator, microwave, heating plates, fresh water, water purifier/filter, stowing places for utensils,
24.	Construction/ Inspection	Must have relevant certification for restricted water especially Riverine operations (delivery at user site Daudkhel – four months). After technical scrutiny/analysis of offered Tug, the Unit will be physically inspected and trialed at OEM/supplier premises abroad, prior final acceptance.
25.	Trials and acceptance conditions	Trials conditions / speeds at Para 9 above and acceptance after satisfactory trials at OEM/supplier premises as mentioned in Para 23.