

CPP Portal Tender ID :- 2023\_JMVP\_785150\_1

Tender Reference no: IWAI /WB /NW-1/ 14/2/2022

<b>SI</b>	<b>Clause No</b>	<b>Page</b>	<b>Content of RFB requirement</b>	<b>To be read as</b>
<b>1</b>	Section-VII part-A Clause 1.4.1 (b) Classification & Regulation	<b>73</b>	mentioned that The vessel shall be registered, under the IWT Directorate, of respective State Govt.	The Registration of the Pusher Tugs and Dumb Barges are to be done at IWT, Kolkata. Govt of West Bengal. As per IV Act 2021, and all Rules framed under the Inland Vessels Act.2021(24 of 2021) The Registration can be done in any State and ply anywhere in India.
<b>2</b>	Section-VII part-A Clause 1.4.6 drawings scheme	<b>75</b>	The Shipyard / Designer shall submit all approved drawings and documents to Owners.	The Shipyard / Designer shall submit all approved drawings and documents to Owners. Including Yard drawings, which are required to be provided
<b>3</b>	Section-VII part-A Clause 2.0 Spare parts	<b>77</b>	a) Spare parts, inventories and tools shall be supplied in accordance with: b) The requirements of the rules and regulations of the Classification Society (the list of standard spares as required by the Classification Society shall be submitted to the Owner). c) The Builder's / manufacturer's standard supply of spares for five years operation. d) The parts shall be administrated, packed and preserved properly. Suitable racks shall be provided on board for storage.	1) Spare parts, inventories and tools shall be supplied in accordance with: 2) The requirements of the rules and regulations of the Classification Society (the list of standard spares as required by the Classification Society shall be submitted to the Owner). 3) The Builder's / manufacturer's standard supply of spares for five years operation. 4) The parts shall be administrated, packed and preserved properly. Suitable racks shall be provided on board for storage 5) Spare parts & Tools while placing order on the main equipment's, OEM may be advised to provide spares for 2000 hrs of operation of

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				the machineries. This may be included in the cost of Vessel.
<b>4</b>	Section-VII part-A Clause 7.4 (b) Doors, Windows & Scuttles	<b>83</b>	The sill height of doors shall be in accordance with the requirements of Classification society/statutory rules as applicable and the clear heights of door openings for all cabins and public spaces shall be 1900 mm from the steel deck to top of the opening.	The sill height of doors shall be in accordance with the requirements of Classification society/statutory rules as applicable and the clear heights of door openings for all cabins and public spaces shall be 1900 mm from the steel deck to top of the opening.  a) As per classification Society Rules and all the inland vessel Rules framed under the Inland Vessels Act.2021(24 of 2021)  b) As per Tender conditions, 15 Ton Bollard Pull is the Owners requirement for operation in NW1 & NW2. Accordingly, designers / Shipyards shall select suitable Engine power to meet the above Criteria.  c) Test shall be carried out in River.
<b>5</b>	Section-VII part-B Clause 1.2.2 (b) Basic Requirement.	<b>88</b>	The main dimensions to be chosen in such a way that the maximum draft will be less than 1.8 m	The maximum draft of the tug in all condition of trim to be 1.75 m.

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<b>6</b>	Section-VII part-B Clause 1.2.2 (f) Fuel Storage	<b>89</b>	The Vessel shall have an own fuel storage capacity of at least 60 tonnes and a freshwater storage of about 20 tonnes and stores for three weeks sailing.	Fresh water Storage Tank capacity shall be 20 tons
<b>7</b>	Section-VII part-B Clause-1.3 Liability & obligations	<b>90</b>	b The Contractor will take the full responsibility in all respects, without any reserve, for the design, the construction, supplies, trials, efficient working of all systems on board, transport, and delivery of the Vessel.	The Contractor will take the full responsibility in all respects, without any reserve, for the design, the construction, supplies, trials, efficient working of all systems on board, transport, and delivery of the Vessel. The tugs are to be built with Steerable rudder propulsion system. The maximum draft of the tug in all condition of trim to be 1.75 m.
<b>8</b>	Section-VII part-B Clause-1.4 Description of Pusher Tug.	<b>90</b>	The Tugs are to be built with conventional propulsion system with kort nozzle with reverse reduction gear box	The Tugs are to be built with Steerable rudder propulsion system. The maximum draft of the Tug in all conditions of trim to be 1.75 m.
			Tug – Pusher Tug serial 10.  Fresh water storage tank 25 tonnes	Tug – Pusher Tug serial 10.  Fresh water storage tank 20 tonnes
<b>9</b>	Section-VII part-B Clause-2.5.5 Chain Locker	<b>109</b>	a. A totally closed chain locker shall be arranged in the <b>aft</b> . The locker of sufficient capacity to contain the stern anchor chain. On the bottom of the locker a galvanized and perforated steel plate to be laid, under this floor plate a mud box to be provided. For drainage of the box a self- closing valve with drain to the bilge of the fore peak to be installed.  b. On the top of the chain locker a safety device to be installed for fixing the last link of the anchor chain.	Chain Locker- For ' <b>aft</b> ' Read ' <b>Forward</b> '.

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			c. In the wall near the top of the locker a manhole with hinged cover to be made for access to the locker.	
<p><b>15</b></p>	<p>Section-VII part-B                      Clause-3.2.1                      Anchor chains &amp;                      Wires</p>	<p><b>113</b></p>	<p><b>Stern Anchor</b> : Anchor of the HHP weight approx 345kg with stud link chain cable of minimum length of 60m.</p>	<p><b>Stern Anchor</b> : Anchor of the HHP weight approx 345kg with the high holding power is for “Forward Anchor” however the weight &amp; minimum length of 55 M ( Two Chain length) “Stud Link Chain” will have to be provided as Rules and requirement of Class and adhering to the latest IV Act 2021 &amp; Rules framed there under.</p> <p>In case the Stern Anchor is required as per Class or Act &amp; Rules, then the same may have to be provided.</p>
<p><b>16</b></p>	<p>Section-VII part-B                      Clause-3.2.3                      Handling Winch</p>	<p><b>113</b></p>	<p>For anchor handling an electrically driven handling winch shall be installed on the main deck. The winch shall be provided with an electric motor. Further the winch shall be provided with a hand- operated band brake and a mooring head. The handling winch shall further conform to the requirements specified here after. The winch shall be provided with a watertight operation pedestal in way of the brake lever. A sturdy deck foundation shall be placed on the main deck complete with fasteners. On the aft deck one manually operated anchor winch to be installed. The anchor winch to have a drum suitable for the steel wire of the anchor and a warping head. Lined brakes and couplings to be provided for</p>	<p>For anchor handling an electrically driven handling winch shall be installed on the main deck. The winch shall be provided with an electric motor. Further the winch shall be provided with a hand- operated band brake and a mooring head. The handling winch shall further conform to the requirements specified here after. The winch shall be provided with a watertight operation pedestal in way of the brake lever. A sturdy deck foundation shall be placed on the main deck complete with fasteners.</p> <p>The anchor handling winch is the forward winch. In case the Stern Anchor is</p>

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			independent operation of the drum and the warping head	required as per Class or Act & Rules, then the same may have to be provided.
17	Section-VII part-B Clause 3.4.5 (a) Bio -Toilets	115	All the toilets shall be furnished in accordance with the rules requirements and are to be bio-toilets	All the toilets shall be furnished in accordance with the rules requirements and are to be bio- toilets, to meet the compliance as per clause 1.4.2 and meet all the requirements of the Inland Vessel Act, 2021(24 of 2021) and Inland Vessels (Pollution and Containment) Rules 2022.
18	Section-VII part-B Clause-3.12 communication Equipment	119	Following communication equipment shall be provided on board as per IV Rules 2022:- <b>Internal</b> Engine room telegraph system. A voice pipe from wheel house to engine room. <b>External</b> VHF radiotelephone, Loud speaker signals and alarm as per statutory rules & IV Rules 2022.	Following communication equipment shall be provided on board as per IV Rules 2022:  For <b>Internal</b> Electronic talk back system may be installed as Primary mode and Walkie Talkie system as secondary mode.  for <b>External</b> VHF radiotelephone, Loud speaker signals and alarm as per statutory rules & IV Rules 2022.
19	Section-VII part-B Clause-4.2.2 Gear Box	121	2 nos. Hydraulic reverse-reduction gearboxes of suitable gear ratio shall be provided. Make can be ZF or Twin Disc or equivalent. Each gearbox shall be connected to the corresponding main engine by means of elastic couplings.	Steerable Rudder propulsion system to be provided. The tugs are to be built with steerable rudder propulsion system. The maximum draft of the tug in all condition of trim to be 1.75 m.

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<b>20</b>	Section-VII part-B Clause-4.2.3 steerable rudder	<b>121</b>	Since Steerable Rudder Propulsion system is proposed, his clause is deleted	Serial 4.2.3 – Its steerable rudder Propulsion system. The tugs are to be built with steerable rudder propulsion system. The maximum draft of the tug in all condition of trim to be 1.75 m.
<b>21</b>	Section-VII part-B Clause-4.2.4 Propellers	<b>121</b>	The vessel shall be fitted with 2nos. fixed pitch propellers of optimum diameter and pitch. The propellers along with propeller guards shall be designed to give maximum of efficiency and thrust at the rated RPM. Materials of the propellers shall be Manganese Bronze and shall be approved by class. Necessary controls/Alarm panels shall be provided in the engine room and the wheelhouse as applicable	Serial 4.2.4 – Its steerable rudder Propulsion system. The tugs are to be built with steerable rudder propulsion system. The maximum draft of the tug in all condition of trim to be 1.75 m.
<b>22</b>	Section-VII part-B Clause 6.1 Spares	<b>137</b>	Manufacturers recommended spares for 2000 hrs. operation to be supplied for major machineries and equipment without extra cost.	Manufacturers recommended spares for 2000 hrs. operation to be supplied for major machineries and equipment without extra cost. <i>Spare parts &amp; tools, While placing order on the main equipment's, OEM may be advised to provide spares for 2000 hrs of operation of the machineries. This may be included in the cost of Vessel.</i>
<b>23</b>	Section-VII part-B Clause 6.2 Tools	<b>137</b>	Tools - Maker's Standard tools and special tools necessary for overhaul during the life of the vessel are to be delivered by all the manufacturers of the major machineries with their supply.	Spares are to be provided as per clause 6.1 and Tools as per clause 6.2