



Assam Inland Water Transport Development Society
(An Autonomous Body under the Transport Department, Government of Assam)
3rd floor, Directorate of Inland Water Transport, Ulubari, Guwahati-7:: email: dir.iwt ds as@gov.in:: Tel: +91361-2462677

Notice No. AIWTDS/278/2021/ 124

Dated: Guwahati, 7th June'2022

Corrigendum-I

In reference to the tender notification no. AIWTDS/278/2021/77 dated 12.05.2022 and RFB Reference No. IN-IWT-292175-GO-RFB for "e-procurement of **418 units** Marine Engines, Reversible Gearbox & Propulsion system for wooden boats plying within Assam", certain amendments enclosed as **Annexure-A**, have been incorporated in the bid document. Bidders are requested to take the note of these amendments prior to the submission of bid.

Annexure B contains the replies to the pre-bid queries sent by prospective bidders.

Enclosed: Annexure-A

Annexure-B

(Ankur Jain, IPS)
State Project Director,
Assam IWTD Society

Memo No. AIWTDS/278/2021/ 124 -A

Dated: Guwahati, 7th June'2022

Copy for favour of kind information to:

- i) The Secretary to the Government of Assam, Transport Department, Dispur, Guwahati-6.
- ii) The Director, Inland Water Transport, Assam cum Chairman, Scheme Implementation Committee- Jibondinga Scheme for information and necessary action.
- iii) For uploading in e portal of Govt. of Assam viz. www.assamtenders.gov.in , AIWTD Society website: www.aiwtdsociety.in & DIWT, Assam website: www.iwtdirectorate.assam.gov.in

State Project Director,
Assam IWTD Society



Assam Inland Water Transport Development Society
(An Autonomous Body under the Transport Department, Government of Assam)
3rd floor, Directorate of Inland Water Transport, Ulubari, Guwahati-7::
email:dir.iwtds-as@gov.in::Tel:+91361-2462677

Annexure-A

Corrigendum No.-I

RFBNo.:IN-IWT-292175-GO-RFB

Assignment Title : “e-procurement of **418 units** Marine Engines, Reversible Gearbox & Propulsion system for wooden boats plying within Assam”

Clause Reference	Existing	Modified
E-procurement Notice (SPN)	Bidding will be conducted through national open competitive procurement procedure agreed with the World Bank, and is open to all eligible bidders as defined in the World Bank's "Procurement Regulations for IPF Borrowers, July 2016, Revised November 2017 and August 2018 ("Procurement Regulations"). In addition, please refer to paragraphs 3.14 and 3.15 of the Procurement Regulations setting forth the World Bank's policy on conflict of interest	Bidding will be conducted through national open competitive procurement procedure agreed with the World Bank, and is open to all eligible bidders as defined in the World Bank's "Procurement Regulations for IPF Borrowers, July 2016, Revised November 2017, July 2018 and November 2020 ("Procurement Regulations"). In addition, please refer to paragraphs 3.14 and 3.15 of the Procurement Regulations setting forth the World Bank's policy on conflict of interest
Section-II –BDS-ITB 22.1	The deadline for uploading the Bids is: Date: 15/06/2022 Time: <i>1400 hr (IST)</i> Bidders has to submit their Bids electronically at www.assamtenders.gov.in	The deadline for uploading the Bids is: Date: 23/06/2022 Time: <i>14 00 hr (IST)</i> Bidders has to submit their Bids electronically at www.assamtenders.gov.in
Section-II –BDS-ITB 25.1	The Bid opening shall take place at: Office of Assam IWT Development Society Street Address: <i>Ulubari</i> Floor/ Room number: <i>Third Floor,</i> <i>Directorate IWT Assam</i> City: Guwahati , Pin : 781007 Country: India Date:- <i>15-06-2022</i> Time: 16.00 Hours	The Bid opening shall take place at: Office of Assam IWT Development Society Street Address: <i>Ulubari</i> Floor/ Room number: <i>Third Floor,</i> <i>Directorate IWT Assam</i> City: Guwahati , Pin : 781007 Country: India Date:- 23-06-2022 Time: 16.00 Hours

<p>Section-II -BDS-ITB 34.1(a)</p>	<p>Evaluation will be done for <i>Lots(contracts)</i></p> <p>Note:</p> <p><i>Bids will be evaluated lot by lot.</i> <i>Bidder should quote for the complete requirement for goods and services specified in each lot as stated in ITB clause 14.6 failing which such bids will be treated as non-responsive.</i></p> <p>Following are the lots and quantity in the bid:</p> <ul style="list-style-type: none"> i. 10 HP Type & Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system :03 ii. 10 HP- 20 HP Type & Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system :37 iii. 20 HP- 30 HP Type & Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system : 260 iv. 30 HP- 40 HP Type & Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system: 87 v. 40 HP- 50 HP Type & Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system: 14 	<p>Evaluation will be done for <i>Lots(contracts)</i></p> <p>Note:</p> <p><i>Bids will be evaluated lot by lot.</i> <i>Bidder should quote for the complete requirement for goods and services specified in each lot as stated in ITB clause 14.6 failing which such bids will be treated as non-responsive.</i></p> <p>Following are the lots and quantity in the bid:</p> <ul style="list-style-type: none"> i. Minimum deliverable capacity of 10 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system :03 ii. Minimum deliverable capacity of 20 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system :37 iii. Minimum deliverable capacity of 30 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system : 260 iv. Minimum deliverable capacity of 40 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system: 87 v. Minimum deliverable capacity of 50 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system: 14
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	<p>vi. 50 HP- 60 HP Type & Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system: 2</p> <p>vii. 70 HP- 90 HP Type & Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system: 8</p> <p>viii. 100 HP- 120 HP Type & Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system: 7</p>	<p>vi. Minimum deliverable capacity of 60 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system: 2</p> <p>vii. Minimum deliverable capacity of 90 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system: 8</p> <p>viii. Minimum deliverable capacity of 120 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system: 7</p>
<p>Section –III, TECHNICAL PART</p> <p>1. Qualification (ITB 32)</p> <p>1.1 Qualification Criteria (ITB 32.1) (a).(i)</p>	<p>Financial Capability</p> <p>The Bidder shall furnish documentary evidence that it meets the following financial requirement(s):</p> <p>a. For Item No. 1 (10 HP engine): Average annual turnover in the last three financial years i.e. 2020-19, 2019-18 and 2018-17 should not be less than INR 15 lacs.</p> <p>b. For Item No. 2 (10 HP-20 HP engine): Average annual turnover in the last three financial years i.e. 2020-19, 2019-18 and 2018-17 should not be less than INR 277 lacs.</p> <p>c. For Item No. 3 (20 HP- 30 HP engine): Average annual turnover in the last three financial years i.e. 2020-19, 2019-18 and 2018-17 should not be</p>	<p>Financial Capability</p> <p>The Bidder shall furnish documentary evidence that it meets the following financial requirement(s):</p> <p>a. For Item No. 1 (Minimum deliverable capacity of 10 HP engine): Average annual turnover in the last three financial years i.e. 2020-19, 2019-18 and 2018-17 should not be less than INR 15 lacs.</p> <p>b. For Item No. 2 (Minimum deliverable capacity of 20 HP engine): Average annual turnover in the last three financial years i.e. 2020-19, 2019-18 and 2018-17 should not be less than INR 277 lacs.</p> <p>c. For Item No. 3 (Minimum deliverable capacity of 30 HP engine): Average annual turnover in the last three financial years i.e. 2020-19, 2019-18</p>

	<p>less than INR 2534 lacs.</p> <p>d. For Item No. 4 (30 HP – 40 HP engine): Average annual turnover in the last three financial years i.e. 2020-19, 2019-18 and 2018-17 should not be less than INR 820 lacs.</p> <p>e. For Item No. 5 (40 HP -50 HP engine): Average annual turnover in the last three financial years i.e. 2020-19, 2019-18 and 2018-17 should not be less than INR 150 lacs.</p> <p>f. For Item No. 6 (50 HP- 60 HP engine): Average annual turnover in the last three financial years i.e. 2020-19, 2019-18 and 2018-17 should not be less than INR 23 lacs.</p> <p>g. For Item No. 7 (70 HP-90 HP engine): Average annual turnover in the last three financial years i.e. 2020-19, 2019-18 and 2018-17 should not be less than INR 101 lacs.</p> <p>h. For Item No. 8 (100 HP- 120 HP engine): Average annual turnover in the last three financial years i.e. 2020-19, 2019-18 and 2018-17 should not be less than INR 94 lacs.</p> <p><i>Bidder needs to submit audited financial statement or a turnover certificate issued by a Chartered Account in proof of their financial capacity.</i></p>	<p>and 2018-17 should not be less than INR 2534 lacs.</p> <p>d. For Item No. 4 (Minimum deliverable capacity of 40 HP engine): Average annual turnover in the last three financial years i.e. 2020-19, 2019-18 and 2018-17 should not be less than INR 820 lacs.</p> <p>e. For Item No. 5 (Minimum deliverable capacity of 50 HP engine): Average annual turnover in the last three financial years i.e. 2020-19, 2019-18 and 2018-17 should not be less than INR 150 lacs.</p> <p>f. For Item No. 6 (Minimum deliverable capacity of 60 HP engine): Average annual turnover in the last three financial years i.e. 2020-19, 2019-18 and 2018-17 should not be less than INR 23 lacs.</p> <p>g. For Item No. 7 (Minimum deliverable capacity of 90 HP engine): Average annual turnover in the last three financial years i.e. 2020-19, 2019-18 and 2018-17 should not be less than INR 101 lacs.</p> <p>h. For Item No. 8 (Minimum deliverable capacity of 120 HP engine): Average annual turnover in the last three financial years i.e. 2020-19, 2019-18 and 2018-17 should not be less than INR 94 lacs.</p> <p><i>Bidder needs to submit audited financial statement or a turnover certificate issued by a Chartered Account in proof of their financial capacity.</i></p>
<p>Section –III, TECHNICAL PART</p> <p>1.</p>	<p>Experience and Technical Capacity</p> <p>The Bidder shall furnish documentary evidence to demonstrate that it meets the</p>	<p>Experience and Technical Capacity</p> <p>The Bidder shall furnish documentary evidence to demonstrate that it meets the following experience</p>

Qualification (ITB 32)	following experience requirement(s):	requirement(s):
1.1 Qualification Criteria (ITB 32.1) (a).(ii)	<ul style="list-style-type: none"> i. For Item No. 1 (10 HP engine): Manufactured and delivered atleast 3 Marine Engines having minimum power of 10 HP in the last 3 years starting from 1st April 2019. ii. For Item No. 2 (10 HP -20 HP engine): Manufactured and delivered atleast 37 Marine Engines having minimum power of 20 HP in the last 3 years starting from 1st April 2019 iii. For Item No. 3 (20 HP -30 HP engine): Manufactured and delivered atleast 260 Marine Engines having minimum power of 30 HP in the last 3 years starting from 1st April 2019. iv. For Item No. 4 (30 HP -40 HP engine): Manufactured and delivered atleast 87 Marine Engines having minimum power of 30 HP in the last 3 years starting from 1st April 2019. v. For Item No. 5 (40 HP -50 HP engine): Manufactured and delivered atleast 14 Marine Engines having minimum power of 30 HP in the last 3 years starting from 1st April 2019. vi. For Item No. 6 (50 HP-60 HP engine): Manufactured and delivered atleast 2 Marine Engines having minimum power of 30 HP in the last 3 years starting from 1st April 2019. vii. For Item No. 7 (70 HP -90 HP engine): Manufactured and 	<ul style="list-style-type: none"> i. For Item No. 1 (Minimum deliverable capacity of 10 HP engine): Manufactured and delivered atleast 3 Marine Engines having minimum power of 10 HP in the last 3 years starting from 1st April 2019. ii. For Item No. 2 (Minimum deliverable capacity of 20 HP engine): Manufactured and delivered atleast 37 Marine Engines having minimum power of 20 HP in the last 3 years starting from 1st April 2019. iii. For Item No. 3 (Minimum deliverable capacity of 30 HP engine): Manufactured and delivered atleast 260 Marine Engines having minimum power of 30 HP in the last 3 years starting from 1st April 2019. iv. For Item No. 4 (Minimum deliverable capacity of 40 HP engine): Manufactured and delivered atleast 87 Marine Engines having minimum power of 30 HP in the last 3 years starting from 1st April 2019. v. For Item No. 5 (Minimum deliverable capacity of 50 HP engine): Manufactured and delivered atleast 14 Marine Engines having minimum power of 30 HP in the last 3 years starting from 1st April 2019. vi. For Item No. 6 (Minimum deliverable capacity of 60 HP engine): Manufactured and delivered atleast 2 Marine Engines having minimum power of 30 HP in the last 3 years starting from 1st April 2019. vii. For Item No. 7 (Minimum deliverable capacity of 90 HP

	<p>delivered atleast 8 Marine Engines having minimum power of 30 HP in the last 3 years starting from 1st April 2019.</p> <p>viii. For Item No. 8 (100 HP - 120 HP engine): Manufactured and delivered atleast 7 Marine Engines having minimum power of 30 HP in the last 3 years starting from 1st April 2019</p> <p><i>Bidder needs to submit suitable documents to establish that bidder has supplied the materials to its client(s).</i></p>	<p>engine): Manufactured and delivered atleast 8 Marine Engines having minimum power of 30 HP in the last 3 years starting from 1st April 2019.</p> <p>viii. For Item No. 8 (Minimum deliverable capacity of 120 HP engine): Manufactured and delivered atleast 7 Marine Engines having minimum power of 30 HP in the last 3 years starting from 1st April 2019</p> <p><i>Bidder needs to submit suitable documents to establish that bidder has supplied the materials to its client(s).</i></p>
<p>Section – IV- Price Schedule Forms- 3 Price Schedule- For Supply as per Schedule of Requirements- (Column- 2)- Description of Goods / Section-VII- Schedule of Requirements-1. List of Goods and Delivery Schedule- Description of Goods</p>		
Line item No	Description of Goods	Description of Goods
1	<p>10 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system and 2-year additional extended warranty</p>	<p>Minimum deliverable capacity of 10 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system and 2-year additional extended warranty</p>

2	10 -20 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system and 2-year additional extended warranty	Minimum deliverable capacity of 20 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system and 2-year additional extended warranty
3	20-30 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system and 2-year additional extended warranty	Minimum deliverable capacity of 30 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system and 2-year additional extended warranty
4	30-40 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system and 2-year additional extended warranty	Minimum deliverable capacity of 40 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system and 2-year additional extended warranty
5	40-50 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system and 2-year additional extended warranty	Minimum deliverable capacity of 50 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system and 2-year additional extended warranty
6	50-60 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system and 2-year additional extended warranty	Minimum deliverable capacity of 60 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system and 2-year additional extended warranty
7	70-90 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system and 2-year additional extended warranty	Minimum deliverable capacity of 90 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system and 2-year additional extended warranty
8	100-120 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system and 2-year additional extended	Minimum deliverable capacity of 120 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system

	warranty	and 2-year additional extended warranty
Section – IV- Price Schedule Forms- 3 Price Schedule- For Supply as per Schedule of Requiremen ts- (Column- 3)- Delivery Date/ Section-VII- Schedule of Requirements- 1. List of Goods and Delivery Schedule- Latest delivery date /Section VII - Schedule of Requirements- 2. List of Related Services and Completion Schedule		
Line item No	.Delivery Date/ Latest delivery date/ Final Completion Date(s) of Services	Delivery Date/ Latest delivery date/ Final Completion Date(s) of Services
1	45 days	70 days
2	45 days	70 days
3	45 days	70 days
4	45 days	70 days
5	45 days	70 days
6	45 days	70 days

7	45 days	70 days
8	45 days	70 days
Section – IV- Price Schedule Forms- 4 - Price and Completion Schedule - Related Services (Column- 2)- Description of Services/ Section VII - Schedule of Requirements-2.List of Related Services and Completion Schedule		
Service No.	Description of Services	Description of Services
1	Commissioning, installation, test, trials of 10 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system in the boat	Commissioning, installation, test, trials of Minimum deliverable capacity of 10 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system in the boat
2	Commissioning, installation, test, trials of 10-20 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system in the boat	Commissioning, installation, test, trials of Minimum deliverable capacity of 20 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system in the boat
3	Commissioning, installation, test, trials of 20-30 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS	Commissioning, installation, test, trials of Minimum deliverable capacity of 30 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS

	approved Propulsion system in the boat	member certification Propulsion system in the boat
4	Commissioning, installation, test, trials of 30-40 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system in the boat	Commissioning, installation, test, trials of Minimum deliverable capacity of 40 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system in the boat
5	Commissioning, installation, test, trials of 40 - 50 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system in the boat	Commissioning, installation, test, trials of Minimum deliverable capacity of 50 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system in the boat
6	Commissioning, installation, test, trials of 50 - 60 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system in the boat	Commissioning, installation, test, trials of Minimum deliverable capacity of 60 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system in the boat
7	Commissioning, installation, test, trials of 70-90 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system in the boat	Commissioning, installation, test, trials of Minimum deliverable capacity of 90 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system in the boat
8	Commissioning, installation, test, trials of 100- 120 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system in the boat	Commissioning, installation, test, trials of Minimum deliverable capacity of 120 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system in the boat
Section -IV- Price Schedule Forms- 4 - Price and Completion Schedule - Related Services (Column-3)- Delivery Date at place		

of Final destination		
Service No.	Delivery Date at place of Final destination	Delivery Date at place of Final destination
1	45 days, Refer to BDS ITB 14.8 (a)(iii)	70 days, Refer to BDS ITB 14.8 (a)(iii)
2	45 days, Refer to BDS ITB 14.8 (a)(iii)	70 days, Refer to BDS ITB 14.8 (a)(iii)
3	45 days, Refer to BDS ITB 14.8 (a)(iii)	70 days, Refer to BDS ITB 14.8 (a)(iii)
4	45 days, Refer to BDS ITB 14.8 (a)(iii)	70 days, Refer to BDS ITB 14.8 (a)(iii)
5	45 days, Refer to BDS ITB 14.8 (a)(iii)	70 days, Refer to BDS ITB 14.8 (a)(iii)
6	45 days, Refer to BDS ITB 14.8 (a)(iii)	70 days, Refer to BDS ITB 14.8 (a)(iii)
7	45 days, Refer to BDS ITB 14.8 (a)(iii)	70 days, Refer to BDS ITB 14.8 (a)(iii)
8	45 days, Refer to BDS ITB 14.8 (a)(iii)	70 days, Refer to BDS ITB 14.8 (a)(iii)
Technical Specifications Of-Propulsion system- Main Engines, Gear Box, Stern Gear		
1.0 Main Propulsion:-	Engines & gear boxes shall be type approved by IACS class society along-with Unit Certification (Engine only) for marine application & should have indigenous product support facilities. Specific fuel consumption of engine will need to be certified during unit certification.	Engines & gear boxes shall be Type Approved by IACS class society for marine application & should have indigenous product support facilities. Specific fuel consumption of engine will need to be certified by manufacturer.
1.1 Main Engine:-	Heavy duty continuous rating, inboard, diesel engine of reputed brand having indigenous product support facilities duly type approved by IACS member). The approximate required power of engines to be fitted on WOODEN/ Composite Hull boats are as follows:	Heavy duty continuous rating, inboard, diesel engine of reputed brand having indigenous product support facilities duly type approved by IACS member). The approximate required power of engines to be fitted on WOODEN/ Composite Hull boats are as follows:

	<u>HP Range</u>	<u>HP Range</u>
	10 HP 10 – 20 HP 20 – 30 HP 30 – 40 HP 40 – 50 HP 50 – 60 HP 70 – 90 HP 100 – 120HP Engine rating should be of 2800 hours operating profile per year.	Minimum deliverable capacity 10 HP Minimum deliverable capacity 20 HP Minimum deliverable capacity 30 HP Minimum deliverable capacity 40 HP Minimum deliverable capacity 50 HP Minimum deliverable capacity 60 HP Minimum deliverable capacity 90 HP Minimum deliverable capacity 120 HP Engine rating should be of 2800 hours operating profile per year.
1) Fuel Circuit :	a) Filter- Duplex type	a) Filter- Single type
2) Lib Oil Circuit :-	a) Filter- Duplex type	a) Filter- Single type
5) Charge Air & Exhaust	b) Silencer – With spark arrestor	b) Silencer – (Spark arrestor deleted)
1.2 Reduction Gear Box:-	One marine reversible/reduction gearbox of any reputed brand having indigenous product service support facilities duly type approved by IACS member with suitable reduction ratio shall be fitted on each shaft line to meet main engine output and speed characteristics. The reduction gearbox shall be marine type and rigidly / flexible (same type with engine) mounted with manufactures recommended mounting arrangement with couplings to main engines. Thrust bearings shall be incorporated within the gearbox. The gearbox shall be complete with its auxiliary equipment, systems, controls and instrumentation.	One hydraulic marine reversible/reduction gearbox of any reputed brand having indigenous product service support facilities duly type approved by IACS member with 2:1 reduction ratio shall be fitted on each shaft line to meet main engine output and speed characteristics. The reduction gearbox shall be marine type and rigidly / flexible (same type with engine) mounted with manufactures recommended mounting arrangement with couplings to main engines. Thrust bearings shall be incorporated within the gearbox. The gearbox shall be complete with its auxiliary equipment, systems, controls and instrumentation.
1.4 Steering Gear	Streamlined rudder driven by mechanical/Electro-hydraulic steering gear.....	Bidders are free to provide either of the two.
2.2.1 Steering -No off Type	One Reputed Make connected to the rudder. (Wheel type or tiller type steering)	Bidders are free to provide either of the two.
2.2.8 Fire Fighting	A new provision added in the Technical Specifications of-Propulsion system- Main Engines, Gear Box, Stern Gear	Bidders to provide following fire extinguishers in each boat in which marine engine, gear box and propulsion

Equipment		<p>system to be fitted :</p> <p>A. One (01) CO2 type fire extinguisher ISI marked conforming to IS:15683 having capacity of 4.5 KG complete with delivery hose horn, wheel type release valve, locking arrangement, fitting bracket.</p> <p>B. One(01) mechanical foam type (AFFF) fire extinguisher stored pressure type, ISI marked conforming to IS:15683 having capacity of 9 liters, complete with delivery hose , squeeze grip release valve, locking arrangement, pressure gauge and fitting bracket.</p>
5. Inspections and Tests 1.0 Test & Trials:	<p>Ship Surveyors / Assistant Ship Surveyors of Directorate of Inland Water Transport, Assam will perform activities below at manufacturer premises :</p> <p><i>1. Review document related to "Unit approval of the Type approved Engine".</i></p> <p><i>2. Review document related to Specific Test for fuel consumption of Engine.</i></p>	<p>Ship Surveyors / Assistant Ship Surveyors of Directorate of Inland Water Transport, Assam will perform activities below at manufacturer premises :</p> <p><i>1. Review document related to "Type approval of Engine".</i></p> <p><i>2. Review document related to Specific Test for fuel consumption of Engine.</i></p>
2.0 Marine Engine Examination Check List	<p>Sr. No.-4</p> <p>Item Examined: Is unit certification of engine by any Classification Society (IACS) carried out.</p> <p>Description: Yes</p> <p>(Please Enclose IACS unit certification copy as applicable)</p>	<p>Sr. No.-4</p> <p>Item Examined: Is Type approval certification of engine by any Classification Society (IACS) carried out.</p> <p>Description: Yes</p>
PART-3-Contract-Section IX - Special Conditions of Contract-GCC-12.1	<p>The scope of supply for the Goods and Related Services to be supplied shall be as specified below:</p> <p>1. 10 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system including installation, commission, test, trial and 2-year</p>	<p>The scope of supply for the Goods and Related Services to be supplied shall be as specified below:</p> <p>1. Minimum deliverable capacity of 10 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system</p>

	<p>additional extended warranty – Qty-03</p> <p>2. 10 HP-20 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system including installation, commission, test, trial and 2-year additional extended warranty – Qty-37</p> <p>3. 20 HP-30 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system including installation, commission, test, trial and 2-year additional extended warranty – Qty-260.</p> <p>4. 30 HP-40 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system including installation, commission, test, trial and 2-year additional extended warranty – Qty-87</p> <p>5. 40 HP-50 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system including installation, commission, test, trial and 2-year additional extended warranty – Qty-14</p> <p>6. 50 HP-60 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system including installation, commission, test, trial and</p>	<p>including installation, commission, test, trial and 2-year additional extended warranty – Qty-03</p> <p>2. Minimum deliverable capacity of 20 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system including installation, commission, test, trial and 2-year additional extended warranty – Qty-37</p> <p>3. Minimum deliverable capacity of 30 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system including installation, commission, test, trial and 2-year additional extended warranty – Qty-260.</p> <p>4. Minimum deliverable capacity of 40 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system including installation, commission, test, trial and 2-year additional extended warranty – Qty-87</p> <p>5. Minimum deliverable capacity of 50 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system including installation, commission, test, trial and 2-year additional extended warranty – Qty-14</p> <p>6. Minimum deliverable capacity of 60 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system</p>
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	<p>2-year additional extended warranty – Qty-02</p> <p>7. 70 HP-90 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system including installation, commission, test, trial and 2-year additional extended warranty – Qty-08</p> <p>8. 100 HP-120 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system including installation, commission, test, trial and 2-year additional extended warranty – Qty-07</p>	<p>including installation, commission, test, trial and 2-year additional extended warranty – Qty-02</p> <p>7. Minimum deliverable capacity of 90 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsionsystem including installation, commission, test, trial and 2-year additional extended warranty – Qty-08</p> <p>8. Minimum deliverable capacity of 120 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system including installation, commission, test, trial and 2-year additional extended warranty – Qty-07</p>
GCC 13.1	(vi) Unit Approval Certification by IACS member, Type Approval Certificates for Gear Box, IS/BIS certificate for Propulsion system, Fuel consumption Chart for the Engine;	(vi) Type Approval Certification by IACS member for Engine , Type Approval Certificates for Gear Box, IS/BIS/ Any IACS member certification for Propulsion system, Fuel consumption Chart for the Engine;
E-Procurement Portal- www.assamte nders.gov.in- Price Schedule- BoQ1 (1 st Sheet of xlxBoQ)	Item wise BOQ:	Item wise BOQ: <i>The text of Item description in excel sheet in Price Schedule- BoQ1 shall not be changed, however, to be read as follows:</i>
Sl No.	Item Description (Appeared as)	Item Description (To be read as)
1.01	10 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved	Minimum deliverable capacity of 10 HP Type approved marine engine, Compatible Type Approved Gear Box

	Propulsion system and 2-year additional extended warranty including Commissioning, installation, test and trials of the Boat	and Compatible IS/BIS/ Any IACS member certification Propulsion system and 2-year additional extended warranty including Commissioning, installation, test and trials of the Boat
1.02	10 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system and 2-year additional extended warranty including Commissioning, installation, test and trials of the Boat	Minimum deliverable capacity of 20 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system and 2-year additional extended warranty including Commissioning, installation, test and trials of the Boat
1.03	10 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system and 2-year additional extended warranty including Commissioning, installation, test and trials of the Boat	Minimum deliverable capacity of 30 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system and 2-year additional extended warranty including Commissioning, installation, test and trials of the Boat
1.04	10 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system and 2-year additional extended warranty including Commissioning, installation, test and trials of the Boat	Minimum deliverable capacity of 40 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system and 2-year additional extended warranty including Commissioning, installation, test and trials of the Boat
1.05	10 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system and 2-year additional extended warranty including Commissioning, installation, test and trials of the Boat	Minimum deliverable capacity of 50 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system and 2-year additional extended warranty including Commissioning, installation, test and trials of the Boat
1.06	10 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved	Minimum deliverable capacity of 60 HP Type approved marine engine, Compatible Type Approved Gear Box

	Propulsion system and 2-year additional extended warranty including Commissioning, installation, test and trials of the Boat	and Compatible IS/BIS/ Any IACS member certification Propulsion system and 2-year additional extended warranty including Commissioning, installation, test and trials of the Boat
1.07	10 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system and 2-year additional extended warranty including Commissioning, installation, test and trials of the Boat	Minimum deliverable capacity of 90 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system and 2-year additional extended warranty including Commissioning, installation, test and trials of the Boat
1.08	10 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system and 2-year additional extended warranty including Commissioning, installation, test and trials of the Boat	Minimum deliverable capacity of 120 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system and 2-year additional extended warranty including Commissioning, installation, test and trials of the Boat
E-Procurement Portal- www.assamte nders.gov.in- Price and Completed Schedule- Related Services (3 rd Sheet of xlxBoQ)	3rd Sheet of xlxBoQ	3 rd sheet of xlx. BoQ: <i>The Text in Item description in excel sheet in Price Schedule- BoQ1 shall not be changed, however, to be read as follows:</i>
(Column-1) Service No.	(Column-2) Description of Services (excludes inland transportation and other services required in india to convey the goods to their final destination)	(Column-2) Description of Services (excludes inland transportation and other services required in india to convey the goods to their final destination)
1	Commissioning, installation, test, trials of 10 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system in the boat	Commissioning, installation, test, trials of minimum deliverable capacity of 10 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system

		in the boat
2	Commissioning, installation, test, trials of 10 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system in the boat	Commissioning, installation, test, trials of minimum deliverable capacity of 20 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system in the boat
3	Commissioning, installation, test, trials of 10 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system in the boat	Commissioning, installation, test, trials of minimum deliverable capacity of 30 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system in the boat
4	Commissioning, installation, test, trials of 10 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system in the boat	Commissioning, installation, test, trials of minimum deliverable capacity of 40 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system in the boat
5	Commissioning, installation, test, trials of 10 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system in the boat	Commissioning, installation, test, trials of minimum deliverable capacity of 50 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system in the boat
6	Commissioning, installation, test, trials of 10 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system in the boat	Commissioning, installation, test, trials of minimum deliverable capacity of 60 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system in the boat
7	Commissioning, installation, test, trials of 10 HP Unit approved marine engine, Compatible Type Approved Gear Box	Commissioning, installation, test, trials of minimum deliverable capacity of 90 HP Type approved marine engine,

	and Compatible IS/BIS approved Propulsion system in the boat	Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system in the boat
8	Commissioning, installation, test, trials of 10 HP Unit approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS approved Propulsion system in the boat	Commissioning, installation, test, trials of minimum deliverable capacity of 120 HP Type approved marine engine, Compatible Type Approved Gear Box and Compatible IS/BIS/ Any IACS member certification Propulsion system in the boat
E-Procurement Portal- www.assamtenders.gov.in- Price and Completed Schedule-Related Services (3 rd Sheet of xlxBQ)		<i>Text of the Delivery Date at place of Final destination in (3rd Sheet of xlxBQ) shall not be changed, however should be read as follows:</i>
(Column-1) Service No.	Delivery Date at place of Final destination	Delivery Date at place of Final destination
1	45 days, Refer to BDS ITB 14.8 (a)(iii)	70 days, Refer to BDS ITB 14.8 (a)(iii)
2	45 days, Refer to BDS ITB 14.8 (a)(iii)	70 days, Refer to BDS ITB 14.8 (a)(iii)
3	45 days, Refer to BDS ITB 14.8 (a)(iii)	70 days, Refer to BDS ITB 14.8 (a)(iii)
4	45 days, Refer to BDS ITB 14.8 (a)(iii)	70 days, Refer to BDS ITB 14.8 (a)(iii)
5	45 days, Refer to BDS ITB 14.8 (a)(iii)	70 days, Refer to BDS ITB 14.8 (a)(iii)
6	45 days, Refer to BDS ITB 14.8 (a)(iii)	70 days, Refer to BDS ITB 14.8 (a)(iii)
7	45 days, Refer to BDS ITB 14.8 (a)(iii)	70 days, Refer to BDS ITB 14.8 (a)(iii)
8	45 days, Refer to BDS ITB 14.8 (a)(iii)	70 days, Refer to BDS ITB 14.8 (a)(iii)


 (Ankur Jain, IPS)
 State Project Director,
 Assam IWTD Society

Corrigendum No.-I**RFBNo.:IN-IWT-292175-GO-RFB****Assignment Title :** “e-procurement of 418 units Marine Engines, Reversible Gearbox & Propulsion system for wooden boats plying within Assam”.

Sl No.	Reference	As stated in Tender Document	Prebid query	Reply to Queries
1			Is there any fee for bid document /deposit to be furnished. Please specify. Do we have to submit any demand drafts for any fees while submitting the bids.	Refer RFB Document and e-tender Portal (Fee for Bid document/ deposit is exempted)
2	SECTION – II BID DATA SHEET, SUB SECTION ‘I’		Do we have to quote separately for each lot? Do we have to attach one quote for each lot or we can combine all in one. Should we prepare separate bids for each of the lots?	Refer RFB Document. Described in Prebid meeting. (Have to quote separately for each lot)
4	Experience and Technical Capacity ” point under Section III - Evaluation and Qualification Criteria → Technical Part → 1. Qualification (ITB 32)		Financial Criteria: The years considered for turnover are 2020-19, 2019-18 and 2018-17. Whereas the years considered for “Experience and Technical Capacity are 1 st April 2019 onwards i.e. 2019-20, 2020-21, 2021-22. Why the different time periods for the criteria.	Refer to RFB Document

	→ 1.1 Qualification Criteria:		The output power for power ranges starting from 20-30HP upto 100-120HP is mentioned as 30HP. Kindly specify the correct power output required for each power range	Refer Corrigendum -I
			Mention no. of sets required for each power output. i.e. 10HP, 20HP, 30HP and so on	Refer RFB and Corrigendum-I
5			Kindly explain ITB 34.5 Section II Bid Data Sheet.	The provision is self-explanatory
6			Is there any requirement of submitting any physical documents? If yes please let us know	Refer RFB-E Procurement Notice- Point 9: (Bidders are required to submit (a) Original Power of Attorney to Sign the Bid (b) Original Bid Securing Declaration as per the format to the Office of the Assam IWTD Society before the bid submission deadline, either by registered post/speed post/courier or by hand.
7			What is the difference between Price Schedule Forms and Price and Completion Schedule Forms	Refer RFB and Corrigendum-I (In Price Schedule Forms : Price of Engine and Transportation cost are to be quoted in xlx sheet of e-tender portal) (In Price and Completion Schedule Forms cost of Related Services i.e cost of Commissioning, installation, test, trials is to be quoted in xlx sheet of e-tender portal)
8			45 days is a short	Refer Corrigendum-I

			time for delivery. Can we get a longer delivery time, allowing lead time for manufacturing?	
9			Kindly explain the technical specifications and your requirement.	Refer to technical specifications section in RFB
10			Kindly explain the time line of the bid process and award of contract.	Refer to RFB documents.
11			What does the scope of supply include?	Refer RFB document and Corrigendum-I
12			What are the mandatory certificates/clearances required for the engines?	Refer RFB document and Corrigendum-I
13			Any specific requirements or criteria for the propulsion system? Any specific performance characteristics that needs to be met by the manufacturers?	Refer RFB document and Corrigendum-I (Explain in Prebid meeting held on 25/05/2022.)
14			What would be the performance security amount that has to be furnished by a successful bidder after award of contract?	Refer RFB document and Corrigendum-I (Explain in Prebid meeting held on 25/05/2022.)
15			Is there any Bid Security Deposit for this Tender. What Amount	Refer RFB document and Corrigendum-I related to Bid securing declaration

16			What is Bid Security Declaration	Refer RFB document Instead of Bid Security the Bid Security Declaration is to be submitted in prescribed format
17			Is there any Earnest Money Deposit (EMD)	Refer RFB document
18			Before Bid Submission – what are the Documents to be attached on line	Refer RFB document
19			What are Eligibility Documents to be attached. Co Balance sheet should be OK	Refer RFB document
20			What are the Documents required Mandatorily to be attached with Technical Part of the Tender. Please give the List of Documents	Refer RFB document and Corrigendum-I
21			What are the Documents required Mandatorily to be attached with Financial Part of the Tender. Please give the List of Documents`	Refer RFB document and Corrigendum-I
22			Price Schedule will be part of Financial Bid or separate	Refer RFB document and Corrigendum-I Price Schedule is the part of Financial Bid.
23			What is Bidding Forms	Refer RFB document
24			What is unit	Refer RFB document and

			Certification? What needs to be certified	Corrigendum-I
25			Who will certify Condition of OLD BOATS	Ship Surveyors/ Assistant Ship Surveyors will certify Condition of OLD BOATS
26			Who will bear the Cost of Ship Surveyor Trial. (Diesel & Consumable)	Diesel & Consumable will be bourn by Engine Supplier
27			What is Multiple Contract	Refer RFB document
28			Please define Performance sheet	Refer RFB document
29			Need Details about Size of Boats (Length x Width in mm) for all Ratings. HP wise size of Boats needed	Attached as Annex-C
30			What is desired Speed of the Boat	6-7 knots at Up-stream
31			Delivery Period of 45 days is Too Short. Considering Transportation time for Assam area and Monsoon season , It should be minimum 90 days	Refer Corrigendum-I
32			Who is Single Point of Contact for any information or Help. Contact details please	Procurement and Contract Management Specialist, Assam IWTDS Society : Contact No. : 0361-2462677
33			What is the period of Completion of the Contract	Refer Corrigendum-I
34			Who will be Consignee and who will make	Authorized official from Directorate, IWT Assam/ Assam IWTDS Society.

			GRN/Material Receipt Note.	Detail will be provided to selected bidder.
35			Who is Paying Authority and what is period of Payment release	Refer RFB Document
36			Is Part Shipment & Part Payment Acceptable	Refer RFB Document
37			Force Majeure Clause to be acceptable. And Delay due to Corona/Lock Down should be out of scope	Refer RFB document
38			PRD (Price Ruling at the Time of Delivery) clause is acceptable or Not	Refer RFB document
39			Tender Spec asking for both LCP & RCP. But RCP is not required here since there is no Wheel House in smaller Boats	Refer RFB document and Corrigendum-I
40			Any Pre Dispatch Testing of Machinery by Ship Surveyor at Supplier's Premises	Refer RFB document. No such provision in RFB
41			Specific Test for Fuel consumption	Refer RFB document (Manufacturer's certificate will required)
42			Training to Boat man could be given in Class Room in batches	Both class room training and on-the-job training and troubleshooting training to be provided
43			Hydraulic Steering is required or not	Refer Corrigendum-I.
44			Duplex Filters are not required. Can be deleted	Refer Corrigendum-I.

45			Flame Proof Hose is not cost effective	Refer RFB and Corrigendum-I.
46			Propeller Shaft Length for each Boat/HP to be informed	To be decided by the supplier based on the boat length provided.
47			Silencer with Spark Arrestor will be costly and not required here. Can delete Spark Arrestor	Refer Corrigendum-I. (Spark Arrestor deleted)
48			3 Years Warranty is too much. Can make it 1 year	Refer RFB and Corrigendum-I.
49			Filters Shelf Life is 6 months. Hence 3 years Maintenance Spares will be a waste. Make it 1 year	Refer RFB and Corrigendum-I.
50			Is Rudder Mandatory to be supplied	Refer RFB and Corrigendum-I.
51	ITB3 4.1(a)	10hp&10-20hp Type&unit approved Marine engine. Compatible Type approved gearbox and compatible IS/BIS approved propulsion system	Type approval & Unit approval or works approval for Engine & Gearbox	Refer RFB and Corrigendum-I.
52	Section -VII	Schedule of requirements 2. List of Related Services & Completion Schedule Final Completion Date(s) of Services 45 days	45 days is from the date of receipt of Goods at locations	Refer RFB and Corrigendum-I.
53	Section -VII	Technical Specifications of Propulsion System- 1.0 Main Propulsion: Engines shall be type approved by IACS class society with unit certification	a) As per IACS class norms all outboard engine shall be type approved engine so where requested to waive off unit certifications b) As per IACS class norms for engines	Refer RFB and Corrigendum-I.

			ess than 100KWp owerrating, Crank shaftstampingisn otmandatoryhenc e, requestto Waive -off	
54	Section -VII	Technical SpecificationsofPr opulsionSystem- 1.1 MainEngine:HPrange	a)HP range may please be replaced withparticula r HP b) As per IRS standard power ratings are in KWrequest to kindly mention power ratings in KWor kindly provideconversio n factor	Refer RFB and Corrigendum-I.
55	Allappl icablecl ausesof tenderd ocume nts	Technical Specifications10- 20hp	Flexibilityisof100 %bandwidth,10H Penginewill not fulfil the requirement of 20HP powerdemand, itist omodifiedformini mum20hp	Refer RFB and Corrigendum-I.
		20-30hp	Flexibilityisof50% bandwidth,20HPe nginewill not fulfil the requirement of 30HP powerdemand, itist omodifiedformini mum30hp	Refer RFB and Corrigendum-I.
56	Section -VII	11.EngineshouldmeetlatestI MO/IACSGuidelinesrelatedt onoiselevel norm	NAforbelow100K Wratings	Refer RFB and Corrigendum-I.
57	Section -VII	5. Inspection and Tests 6.B.8(table)Provisionof firefightingarrangement sintheengineeroom in case of decked BOATs	requiremoreclarity onthispoint	Refer to corrigendum-I
58	Schedul e VII , Technic	The main engines shall suit the load profiles of the boat.	Boat of each category should be provided for proper	Refer to annexure-C of corrigendum-I

	al specifica tions of propulsi on system SI 10 of Clause 1, Page no 82		mapping boat profile	
59	Schedul e VII , Technic al specifica tions of propulsi on system SI 1.1.2 of clause 1, Page no 83	Engine Mountings	Recommend Engine and Gear box shall be rigidly mounted on a common base frame for better performance	Supplier shall provide the same, if required and if deemed necessary.
60	Schedul e VII , Technic al specifica tions of propulsi on system SL 3 & 4 of Clause 1, Page no 84	3. River water Circuit 4. Coolant Circuit	Option for Type approved ,Air cooled engine should also be allowed as it is suitable for boats in Assam and has less maintenance and high reliability	Refer RFB and Corrigendum-I.
61	Schedul e VII , Clause 1.2, Page no 84	Reduction Gear Box	1. Gear box ratio to be suggested by AIWTDS 2. Option of Mechanical / Hydraulic to be given	1) Gear Box Ration : 2:1 2) Refer RFB and Corrigendum-I.
62	Schedul e VII , Clause 3, Page no 86	Warranty, Periodical Maintenance : During the normal and extended warranty period, the bidder has to provide	Consumable and routine spares should be under customer scope. OEM will support	No change.

		periodical maintenance to the supplied equipment as per the preventive maintenance schedule with required consumable and spares free of cost.	with manpower for routines	
63	General Suggestions		List of boat owners with contact details to be shared along with award of contract	Noted
64	General Suggestions		Bidder should be allowed to have options of packaging with any gear box manufacturer, stern gear manufacturer & steering gear manufacturer (complying with all tender requirements) even after the award of contract so as to expedite the delivery.	Bidder can propose multiple manufacturers of gear box, stern gear & Steering gear who comply the technical requirements and standard as mentioned in RFB & Corrigendum-I in their bid.
65		Definition of Delivery: Commissioning, installation, test, trial of Unit approved marine engine, Compatible Type Approved GearBox and Compatible IS/ BIS approved Propulsion system in the boat - 45 Days.	We can deliver the first lot (mix) of 32 engines within 45 days in Guwahati and Installation & Commissioning Test & Trial will be completed in next 45 days. Further node wise schedule will be confirmed in our Bid submission.	Refer RFB and Corrigendum-I.
66		Power Range: The power range are defined in slot of 10/20 HP variation between maximum and minimum in each node	Example for Range of 20-30 HP someone can provide engine of 20 HP and 30 HP	Refer RFB and Corrigendum-I.

		e	(also) which will be compromising on Max power of the node for the end user. Our suggestion is to apply tolerance of $\pm 5\%$ on Max. power of each node.	
67		Experience and technical capacity: As per Tender document the point "experience and technical capacity", refer Para No Section III, 1.1 (a) (ii) (page No. 45 of 132). This point implies that the engine manufacturer/bidders should have capability of significantly large No. manufacturing and delivery of Power Packs in 20-30 HP and 30-40 HP nodes as compared to previous RFB No AIWTDS/175/2019/43 dtd. 12.7.2019	Our Suggestion: We, Triton Boats India LLP, MSME registered organization, are engaged designing, developing and supplying "Marine Main Propulsion Systems" and "Marine DG Sets" since last four years. We are exclusive engine application partners to Cummins India Limited for converting their automotive/Industrial engines to Marine engines upto 600HP.	Refer RFB and Corrigendum-I.
68		Although having technical capability, we are not able to meet the requirement of "experience and technical capacity" as per current RFB terms.	On experience and technical capability criteria we may please be considered as per old RFB No AIWTDS/175/2019/43 dtd. 12.7.2019.	Refer RFB and Corrigendum-I.
69			Acceptance of our suggestion will encourage MSME initiative (by Govt of India)	Refer RFB and Corrigendum-I. (This is a Project funded by World Bank and MSME

			and also support innovative idea of converting tractor & automotive engine into a marine engine thus leveraging the economy of scale of tractor/automotive engine for the benefit of AIWTDS and Assam ferries-boat Propulsion system	preferences are not accepted)
70			There is no mention of max Engine RPM (Suggested to be upto 2200)	Bidders are free to provide max RPM as per manufacturer specification.


 (Ankur Jain, IPS)
 State Project Director,
 Assam IWTDS Society

Size of Boats (LXB) and respective Engine Ranges (HP)

- 10 HP for (13.0 m – 15.0m) x (2.00 m – 2.50m)
- 20 HP for (15.0 m – 16.5m) x (2.15 m – 2.35m)
- 30 HP for (16.80 m – 18.5m) x (2.50 m – 2.65m)
- 40 HP for (19.0 m – 20.0m) x (2.80 m – 3.20m)
- 50 HP for (20.50 m – 21.5m) x (3.20 m – 3.35m)
- 60 HP for (21.50 m – 22.50m) x 3.35 m – 3.50m)
- 90 HP for (22.0 m – 23.0m) x (3.60 m – 3.85m)
- 120 HP for (23.0 m – 28.0m) x (3.85 m – 4.50m)