



অসম আভ্যন্তৰীণ জল পৰিবহন উন্নয়ন সমিতি  
(অসম চৰকাৰৰ পৰিবহন বিভাগৰ অধীনস্থ স্বতন্ত্ৰ সংস্থা)

Assam Inland Water Transport Development Society

(An Autonomous Body under the Transport Department, Government of Assam)

3<sup>rd</sup> floor, Directorate of Inland Water Transport, Ulubari, Guwahati – 7::email: dir.iwtds-as@gov.in::Tel:+91361-2462677

Notice No. AIWTDS/175/2019/99

Dated: 19.08.2019

**Corrigendum-II**

In reference to the tender notification no.AIWTDS/175/2019/43 dated 12.07.2019 for E-procurement of “1111 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**

(Rahul Ch. Das, ACS)

Deputy State Project Director, AIWTD Society

No. AIWTDS/175/2019/99-A

Dated:19/08/2019

Copy to:

- i) The Director, IWT Assam for publishing the Corrigendum-II in the website of DIWT [www.iwtdirectorate.assam.gov.in](http://www.iwtdirectorate.assam.gov.in)
- ii) OSD to SPD,AIWTD Society for kind appraisal of the State Project Director
- iii) e-procurement portal of Govt. of Assam viz.[www.assamtenders.gov.in](http://www.assamtenders.gov.in) and AIWTD Society website:[www.aiwtdsociety.in](http://www.aiwtdsociety.in)

(Rahul Ch.Das, ACS)

Deputy State Project Director, AIWTD Society



অসম আভ্যন্তৰীণ জল পৰিবহন উন্নয়ন সমিতি

(অসম চৰকাৰৰ পৰিবহন বিভাগৰ অধীনস্থ স্বতন্ত্ৰ সংস্থা)

Assam Inland Water Transport Development Society

(An Autonomous Body under the Transport Department, Government of Assam)

3<sup>rd</sup> floor, Directorate of Inland Water Transport, Ulubari, Guwahati – 7::email: dir.iwtlds-as@gov.in::Tel:+91361-2462677

**Annexure-A of Corrigendum No. II**

RFB No.: AIWTDS/175/2019/43

Date: 12.07.2019

**Procurement of 1111 units Marine Engines, Reversible Gearbox & Propulsion system for wooden boats plying within Assam**

Clause Reference	Existing	Modified
ITB 11.1 (h)	3. BIS/ISI certification for propulsion system	3. BIS/ISI/Any IACS member certification for propulsion system  <b>The above modification will be applicable in the entire RFB document</b>
Technical Specifications of Propulsion System – Main Engines, Gear Box, Stern gear.	<b>4.0 Installation of Marine Engine, Reversible gear box and Training</b> e) Water/speed trials to evaluate the performance of engine. (Min. one hour water trial of boat to be carried out at various loading condition to evaluate the engine RPM, and boat speed, maneuvering trial, astern trial, turning circle, crash stop.).	<b>4.0 Installation of Marine Engine, Reversible gear box and Training</b> e) Water/speed trials to evaluate the performance of engine. (Min. one hour water trial of boat to be carried out at various loading condition to evaluate the engine RPM, and boat speed, maneuvering trial, astern trial, turning circle, crash stop. Out of one hour the speed test should continue for atleast fifteen minutes in top speed).
Technical Specifications of Propulsion System – Main Engines, Gear Box, Stern gear.	<b>2.0 MAIN MACHINERY MONITORING AND CONTROLS:</b>	Following point has been added under heading: <b>2.0 MAIN MACHINERY MONITORING AND CONTROLS:</b>  <b>2.2.7 All engines must be equipped with Android App Based GPS Tracking System for the following:</b> i) Live Tracking of Boat Location, ii) Distance covered at any given date, iii) Engine Running Hours etc. Tracking system to be installed in an irreplaceable part of the engine. Server link of the data stored for the tracking system should be available/shared to the Purchaser so that Purchaser can integrate data/information of all boats in a display panel in a



অসম আভ্যন্তৰীণ জল পৰিবহন উন্নয়ন সমিতি

(অসম চৰকাৰৰ পৰিবহন বিভাগৰ অধীনস্থ স্বতন্ত্ৰ সংস্থা)

Assam Inland Water Transport Development Society

(An Autonomous Body under the Transport Department, Government of Assam)

3<sup>rd</sup> floor, Directorate of Inland Water Transport, Ulubari, Guwahati – 7::email: dir.iwtlds-as@gov.in::Tel:+91361-2462677

		central location of the Purchaser. Purchaser will provide the display panel, bidder has to integrate the data/information of all boats in that panel.
Technical Specifications of Propulsion System – Main Engines, Gear Box, Stern gear.	<b>2) Lib Oil Circuit :-</b> a. Filter- Duplex type b. Hoses – Fire resistant c. Oil sump- Deep sump	<b>2) Lib Oil Circuit :-</b> a. Filter- Duplex type b. Hoses – Fire resistant c. Oil sump- Deep sump d. LO Cooler
Technical Specifications of Propulsion System – Main Engines, Gear Box, Stern gear.	a. Pump – Impeller & Casing – Gun Metal Shaft- SS 304 Housing – Cast Iron Installation Bracket- Cast Iron	a. Pump – <b>Impeller- Gun Metal Shaft- SS 304/rubber</b> & Casing – Gun Metal Shaft- SS 304 Housing – Cast Iron Installation Bracket- Cast Iron
Technical Specifications of Propulsion System – Main Engines, Gear Box, Stern gear	<b>6. Electrical System</b> a. Control System – Type Certified digital controller b. Digital display for - Lube oil pressure, <b>Lube oil temp.</b> , Fresh water temp., Engine speed, Hour run. c. Provision of Alarm, safety, and shut down with audible hooter and display as per class requirement.	<b>6. Electrical System</b> a. Control System – Type Certified digital/ <b>analogue</b> controller b. Digital/ <b>analogue</b> display for - Lube oil pressure, Fresh water temp., Engine speed, Hour run. c. Provision of Alarm, safety, and shut down with audible hooter and display as per class requirement.
Technical Specifications of Propulsion System – Main	2.2.6 Monitoring and Control Systems in Wheelhouse/ Coxswain  vii) Steering and trim position indicating gauge	2.2.6 Monitoring and Control Systems in Wheelhouse/ Coxswain  vii) Deleted



অসম আভ্যন্তৰীণ জল পৰিবহন উন্নয়ন সমিতি

(অসম চৰকাৰৰ পৰিবহন বিভাগৰ অধীনস্থ স্বতন্ত্ৰ সংস্থা)

Assam Inland Water Transport Development Society

(An Autonomous Body under the Transport Department, Government of Assam)

3<sup>rd</sup> floor, Directorate of Inland Water Transport, Ulubari, Guwahati – 7::email: dir.iwtds-as@gov.in::Tel:+91361-2462677

Engines, Gear Box		
Technical Specifications of Propulsion System – Main Engines, Gear Box, Stern gear	<b>2.2.5 Instrumentation</b> Instrument panel shall be watertight. Essential machinery instrumentation at control position shall include: (i) Tachometer (ii) Engine oil pressure alarm and trip. (iii) Engine oil temperature alarm. (iv) Engine water temperature alarm. (v) Gearbox oil pressure alarm. (vi) Gearbox oil temperature alarm (vii) Emergency main engine stop. (viii) Over speed trip mechanism.	<b>2.2.5 Instrumentation</b> Instrument panel shall be watertight. Essential machinery instrumentation at control position shall include: (i) Tachometer (ii) Engine oil pressure alarm and trip. (iii) Engine water temperature alarm. (iv) Gearbox oil pressure alarm. (v) Emergency main engine stop. (vi) Over speed trip mechanism.
Technical Specifications of Propulsion System – Main Engines, Gear Box, Stern gear	<b>1.2 Reduction Gear Box:-</b> One marine reversible/reduction gearbox of any reputed brand having indigenous product service support facilities ..... The reduction gearbox shall be marine type and <b>rigidly</b> mounted with manufactures recommended mounting arrangement with couplings to main engines. ...., controls and instrumentation.	<b>1.2 Reduction Gear Box:-</b> One marine reversible/reduction gearbox of any reputed brand having indigenous product service support facilities ..... The reduction gearbox shall be marine type and <b>rigidly/flexible (same type with engine)</b> mounted with manufactures recommended mounting arrangement with couplings to main engines. ...., controls and instrumentation.
<b>Framework Agreement - Schedule 5: Secondary Procurement</b>	<b>1. Payment for Goods supplied from abroad:</b> Payment of foreign currency portion.....: (ii) <b>On Acceptance:</b> Ten (50) percent	<b>1. Payment for Goods supplied from abroad:</b> Payment of foreign currency portion.....: (ii) <b>On Acceptance:</b> Fifty (50) percent



অসম আভ্যন্তৰীণ জল পৰিবহন উন্নয়ন সমিতি

(অসম চৰকাৰৰ পৰিবহন বিভাগৰ অধীনস্থ স্বতন্ত্ৰ সংস্থা)

Assam Inland Water Transport Development Society

(An Autonomous Body under the Transport Department, Government of Assam)

3<sup>rd</sup> floor, Directorate of Inland Water Transport, Ulubari, Guwahati – 7::email: dir.iwtlds-as@gov.in::Tel:+91361-2462677

<p><b>t Forms</b></p> <p><b>Special Conditions of Call-off Contract (SCC)</b></p> <p><b>Terms of payment GCC 16.1</b></p>	<p>of the Contract Price of Goods received shall be paid within thirty (30) days of receipt of the Goods upon submission of claim supported by the acceptance certificate (Successful installation certificate issued by Surveyor) issued by the Purchaser.....</p> <p><b>2. Payment for Goods and Services supplied from within the Purchaser's Country:</b></p> <p>(ii) <b>On Acceptance:</b> The remaining ten (50) percent of the Contract Price shall be paid to the Supplier within thirty (30) days after the date of the acceptance certificate (Successful installation certificate issued by Surveyor) for the respective delivery issued by the Purchaser.</p>	<p>of the Contract Price of Goods received shall be paid within thirty (30) days of receipt of the Goods upon submission of claim supported by the acceptance certificate (Successful installation certificate issued by Surveyor) issued by the Purchaser.....</p> <p><b>2. Payment for Goods and Services supplied from within the Purchaser's Country:</b></p> <p>(ii) <b>On Acceptance:</b> The remaining fifty (50) percent of the Contract Price shall be paid to the Supplier within thirty (30) days after the date of the acceptance certificate (Successful installation certificate issued by Surveyor) for the respective delivery issued by the Purchaser.</p> <p>Rest of the clause will remain same.</p>
---	---	---

## Annexure-B of Corrigendum No. II

RFB No.: AIWTDS/175/2019/43

Date: 12.07.2019

### REPLY TO PREBID QUERIES FOR E-PROCUREMENT OF 1111 UNITS MARINE ENGINES, REVERSIBLE GEARBOX & PROPULSION SYSTEM FOR WOODEN BOATS PLYING WITHIN ASSAM

Sl No	Reference	As Stated in Tender Documents	Pre-bid Query	Reply to queries
1	ITB 22.1	<p>Bids must be uploaded online no later than the date and time <b>specified below.</b></p> <p><b>The deadline for Bid submission is:</b> Date: 16th August,2019 Time: IST 14.00 Hours</p> <p>Bidders has to submit their Bids electronically at <a href="http://www.assamtenders.gov.in">www.assamtenders.gov.in</a></p>	Extension of bid submission date till 16 <sup>th</sup> Sep'19	Refer to Corrigendum I
2	ITB 11.1(h)	3. BIS/ISI certification for propulsion system	Propulsion system shall be changed to IRS standard instead of BIS/IS	Refer to Corrigendum II
3	FrameworkAgreement - Schedule 5: Secondary Procurement Forms Special Conditions of Call-off Contract (SCC)	<b>Terms of paymentGCC 16.1</b>	<p>Reconsideration of payment terms as below:</p> <ul style="list-style-type: none"><li>I. 50% of payment along with PO</li><li>II. 40% of payment against the proof of dispatch</li></ul> <p>Remaining 10 % payment after successful of trail.</p>	Refer to Terms of Payment GCC 16.1 and Corrigendum II.

Sl No	Reference	As Stated in Tender Documents	Pre-bid Query	Reply to queries
4	Section IV – Bid Forms Multi-Supplier FA- Price Schedule: Goods Manufactured in the Purchaser’s Country	Delivery Periodas defined byIncoterms  45 days	Reconsideration of delivery period for 60 days from the date of receipt of technically and commercially clear order.	No Change
5	Section III - Evaluation and Qualification Criteria,	(b) If Bidder is not a manufacturer:	Waive off financial capability for non-manufacture bidder.	No Change
6	Section III - Evaluation and Qualification Criteria,	(a) If Bidder is a manufacturer: (b) If Bidder is not a manufacturer:	Waive off experience and technical capacity.	No Change
7	Section III - Evaluation and Qualification Criteria, 3. Post Qualification Criteria (ITB 37.1)	(b) If Bidder is not a manufacturer:	Provision for releasing purchase order and payment in favor of authorized dealer	Please refer to the relevant section of Qualification Criteria
8	Technical Specifications of Propulsion System – Main Engines, Gear Box, Stern gear	<b>1.0 Main Propulsion:-</b> Mainengines along with manufacturers` recommended mounting arrangement to reduce vibrationsand adequately insulated to reduce noise with heat exchanged cooling	Using of AVM incase where ever necessary.	As per OEM recommendation.
9	TechnicalSpecifications of Propulsion System – Main Engines, Gear Box, Stern gear	<b>Inspection and Test:</b> <b>1. Test &amp; Trials</b> <i>1. Unit approval of the Type approved Engine</i>	In type approved engine, crank shaft stamping may kindly be wave-off.	The crank shaft stamping is not required during Unit approval of the Type approved Engine

Sl No	Reference	As Stated in Tender Documents	Pre-bid Query	Reply to queries
10	SCHEDULE 6: List of Purchasers	3. 1090 beneficiaries of Jibondinga Scheme for 1090 engines	List of beneficiary along address and contact no may kindly be shared for each category of boat size.	List will be shared to the selected bidders as per the requirement of the purchaser from time to time
11	Technical Specifications of Propulsion System – Main Engines, Gear Box, Stern gear	6) Electrical System :- b. Digital display for - Lube oil pressure, Lube oil temp., Fresh water temp, Engine speed, Hour run.	Exemption of engine oil temp form electrical system and instrument panel.	Accepted
12	Technical Specifications of Propulsion System – Main Engines, Gear Box, Stern gear	2.2.5 Instrumentation (v) Gearbox oil pressure alarm. (vi) Gearbox oil temperature alarm	Exemption of gear box oil and temp alarm.	Gearbox oil temperature alarm is exempted. But Gearbox oil pressure alarm is required. Refer to Corrigendum II.
13	Technical Specifications of Propulsion System – Main Engines, Gear Box, Stern gear	1. Fuel Circuit h. Fuel pump - Bosch: P-type	Manufacture recommendation on selection of fuel pump may kindly be considered from Bosch-P type.	Selection of fuel pump is purely OEM's purview. Hence, OEM recommendation is accepted.
14	Technical Specifications of Propulsion System – Main Engines, Gear Box, Stern gear	<b>1.1 Main Engine:-</b> Provision of remotestarting/stopping of main engines from the wheel house/coxswain and locally from engine room as applicable shall be provided.	Provision of remote start/stop of main engine from the wheel house and locally from engine room may kindly be considered as manufacture recommendation.	Acceptable. Please refer to the RFB provision. Query is exactly same with the RFB provision.

Sl No	Reference	As Stated in Tender Documents	Pre-bid Query	Reply to queries
15	Technical Specifications of Propulsion System – Main Engines, Gear Box, Stern gear.	4.0 Installation of Marine Engine, Reversible gear box and Training	Purchaser may kindly be communicated to the beneficiary for dry docking	Bidder has to arrange Dry docking facility, if required. Cost to be borne by the bidder.
16	Section I. Instructions to Bidders 1 Scope of Bid	<b>1.2.(g) “Delivery Period”</b> is the specified period from the date of formation of a Call-off contract for delivery of the Goods, as per the applicable Inco-terms.	Delivery time line is mentioned as 45 days after placement of PO in the tender, however as per experience, Installation of one boat will take min 10days. In such case, the delivered Package requires to be stored and Preserved at Guwahati and will entail increase in cost. Please let us know how we can avoid such situation.	Bidder should make required arrangement
17	<b>Technical Specification</b>	<b>1.0 Main Propulsion:-</b> Conventional propulsion system with one diesel engine one reverse reduction gear box and one fixed pitch propeller along with Shaft and associated fittings to meet all requirements shall be provided.	For Consideration of accurate / appropriate package (Engine+ Gear Box + Shafting+ Propeller) we need to have data such as displacement of boat and max propeller Diameter which can be accommodated.	Due diligence of Bidder is recommended
18	<b>ITB 11.1(h)</b>	3. BIS/ISI certification for propulsion system	Propeller and shafting required in the tender is of BIS/ISI standards, however the same	Refer to Corrigendum II

Sl No	Reference	As Stated in Tender Documents	Pre-bid Query	Reply to queries
			needs to be amended as per manufactures standard else delivery time line would be difficult to be met.	
19			The specs shared in tender are normally for sea going vessel however the requirement is for River (Brahmaputra) Going vessel, thus accessories to be considered to be of Marine Grade.	All accessories considered under the Technical Specification are of Marine Grade only.
20	ITB11.1(h)	2. Bidder who does not have Type Approval certification from Classification Society for the offered engine on the date of submission of the bid, an Undertaking need to be submitted confirming that bidder shall obtain Type Approval certificate from Classification Society for the offered engine within one(01) month from the date of Notification to Conclude a Framework Agreement	IRS takes minimum 3 months for type approval of one engine, In view, kindly request approval of submitting type approval certificate before delivery of Engines.	As Per the RFB clause 1.0, Main Propulsion, type approval certificate of any IACS member is acceptable
21	ITB 22.1	Bids must be uploaded online no later than the date and time <b>specified below.</b>  <b>The deadline for Bid submission is:</b>	Request for extension by Min One Month for proper working on scope and financials.	Refer to Corrigendum I

Sl No	Reference	As Stated in Tender Documents	Pre-bid Query	Reply to queries
		<p>Date: 16th August,2019 Time: IST 14.00 Hours</p> <p>Bidders has to submit their Bids electronically at <a href="http://www.assamtenders.gov.in">www.assamtenders.gov.in</a></p>		
22	Section I-ITB, 35 Comparison of Bids	The evaluation of prices shall not take into account custom duties and other taxes levied on imported Goods quoted CIP and sales and similar taxes levied in connection with the sale or delivery of Goods.	Engine is domestic whereas gearbox is imported how to evaluate the price? Is there any exemption for BCD for imported items including gearbox. Please clarify.	Please refer to RFB for Framework Agreement ITB 35.1 for the purpose of evaluation of price. Also, please refer to Framework Agreement – Schedule 4: Call-off Contract General Conditions of Contract Clause 17. Taxes and Duties
23	ITB 11.1 (h)	Type Approval certificate from Classification Society for the offered engine within one (01) month from the date of Notification to Conclude a Framework Agreement	Please clarify the term "the date ofNotification".	The date of notification to conclude a Framework Agreement mentioned in the RFB as “the date of notification to the successful bidders issued for concluding Primary Procurement. “Primary Procurement”means the procurementprocess that results in concluding a FrameworkAgreement(s) with a successful Bidder(s), asdescribed in this RFB
24	Technical Specification of Propulsion System –	Engine & gearboxes shall be type approved by IACS class society along with unit	We understand from the meeting held in your office on ....that engines below 100 hp	No Change

Sl No	Reference	As Stated in Tender Documents	Pre-bid Query	Reply to queries
	Main Engines, Gear Box, Stern gear1.0 - Main Propulsion	certification (engine only) for marine application &.....	will only require type approval for this enquiry and hence unit certification is not required. Please clarify.	
25	Technical Specification of Propulsion System – Main Engines, Gear Box, Stern gear1.0 - Main Propulsion, Para 3	Manufacturer to provide service manual along with parts catalogue during supply of main engine, gearbox along with OEM recommended tool kit & On Board Spares	Please clarify the annual operating hours. Please also indicate the no. of years for which OBS needs to be prepared.	Estimated average annual operating hour is between 2400-2800 hrs/year. Spares should be available pursuant to the provision specified in Schedule of requirement: Technical Specification: 3.0 Warranty, Periodical Maintenance
26	Technical Specification of Propulsion System – Main Engines, Gear Box, Stern gear1.0 - Main Engine, point no. 11	Engine should meet latest Tier II MARPOL/ IMO regulations (Tier- II) on emission norms, if applicable. Engine should meet latest IMO/ IACS guidelines related to noise level norm.	We understand that diesel engines below 100 kW will not require IMO Tier 2 norms, please clarify.	As specified in the RFB
27	Technical Specification of Propulsion System – Main Engines, Gear Box, Stern gear1.0 - Main Engine, point no.12	Suitable exhaust system dry or wet type to be provided as per OEM recommendation. Provision of suitable silencer to be catered. Provision of suitable silencer to be catered.	There is no mention of water-cooled exhaust manifold in the tender enquiry. Based on their knowledge from last several decades of engine manufacturing, Bidder is of the humble opinion that water cooled exhaust manifold is very important for a proper marine diesel engine. This is to reduce the temperature of the exhaust	No Change. Both dry and wet type exhaust system is acceptable as per OEM recommendation.

Sl No	Reference	As Stated in Tender Documents	Pre-bid Query	Reply to queries
			<p>and maintain the engine room at optimum temperature. Please clarify.</p> <p>Please also clarify whether it is allowed to have wet type exhaust outlet as this would mean draining both water and exhaust after mixing into the river.</p>	
28	<p>Technical Specification of Propulsion System – Main Engines, Gear Box, Stern gear1.0 - MainEngine, point no.1.1.2</p>	<p>Engine mountings - Four per engine. Resilient AV mount of suitable make as per OEM recommendation.</p>	<p>We notice that the tender enquiry indicates flexible mounts (AVMs) for engine but rigid mounting for gearbox. Ideal procedure whenever using AVMs is to have for both engine and gearbox besides installing prop shaft flexible coupling at the propeller shaft. This is to ensure that any undue vibration at the propshaft or slight misalignment due to unforeseen reason will not be passed to the engine crankshaft damaging the same.</p> <p>Please clarify whether you require rigid mounting for complete propulsion system including engine &amp; gearbox package OR require complete flexible mounting arrangement for the complete package</p>	<p>Flexible mounts (like AVMs) or any rigid mount is acceptable. However both - main engine &amp; gear box must be same type.Refer to Corrigendum I</p>

Sl No	Reference	As Stated in Tender Documents	Pre-bid Query	Reply to queries
			including AVMs for the engine and gearbox package.	
29	Technical Specifications of Propulsion System – Main Engines, Gear Box, Stern gear	1. Fuel Circuit h. Fuel pump - Bosch: P-type	From the tender enquiry, we understand that the requirement is for mechanical fuel injection pump, but this is brand and model specific. Please clarify whether you will accept reputed brand FIP and also consider models other than P-type as well.	Selection of fuel pump is purely OEM's purview. Hence, OEM recommendation is accepted.
30	Technical Specifications of Propulsion System – Main Engines, Gear Box, Stern gear	2) Lub Oil Circuit :-	We find Engine LO Cooler not mentioned in the circuit. From our experience, it is quite necessary to have the Engine LO to be cooled by coolant or raw water by installing Engine LO Cooler. This will help to maintain the property of the LO for a longer period of time besides better performance of the engine. Please clarify whether LO Cooler will be included in the specifications as mandatory requirement.	Refer to Corrigendum II
31	Technical Specifications of Propulsion System – Main Engines, Gear Box, Stern gear	3. River Water Circuit Pump - Impeller & Casing - Gun Metal Shaft - SS304 Housing - Cast Iron	Please clarify the difference between casing and housing for raw water pump. We find 2 different materials to be mentioned - casing as gun metal & housing as cast iron.	Refer Corrigendum II

Sl No	Reference	As Stated in Tender Documents	Pre-bid Query	Reply to queries
			<p>We also find that most marine diesel engine manufacturers prefer to use rubber impeller type raw/ sea water pumps which is also the marine industry standard due to its much higher efficiency and light-weight design. Please confirm rubber impeller type sea water pumps can also be used for this enquiry.</p>	
32	<p>Technical Specifications of Propulsion System – Main Engines, Gear Box, Stern gear</p>	<p>6. Electrical System</p> <p>a. Control System – Type Certified digital controller</p> <p>b. Digital display for - Lube oil pressure, Lube oil temp., Fresh water temp, Engine speed, Hour run.</p> <p>c. Provision of Alarm, safety, and shut down with audible hooter and display as per class requirement.</p>	<p>Please clarify whether you will need digital display instrumentation panel at both wheelhouse and engine room. If so, whether all information is required in both locations?</p> <p>Please also clarify whether the display has to be digital or even analog instrumentation panel will be acceptable. Since the engine is featuring mechanical fuel system, it will be easier and more economical to have analog display.</p>	<p>Refer to Corrigendum II</p>
33	<p>Technical Specifications of Propulsion System – Main Engines, Gear Box, Stern gear</p>	<p>1.2 Reduction Gearbox</p>	<p>Please clarify that the reduction gearbox is hydraulic clutch type as the same is not indicated. Gearboxes of this</p>	<p>Clutch type is per OEM recommendation</p>

Sl No	Reference	As Stated in Tender Documents	Pre-bid Query	Reply to queries
			<p>size will require hydraulic clutch as mechanical clutch will be too hard for frequent engage/ disengage operation.</p> <p>Please refer to Pg 75, Point 1.1.2 in which we have raised the query about rigid or flexible mounting arrangement for the engine, gearbox and propulsion system. Please clarify the same.</p>	Refer to corrigendum II
34	Technical Specifications of Propulsion System – Main Engines, Gear Box, Stern gear	1.4 Steering Gear Streamlined rudder driven by mechanical/Electro-hydraulic steering gear, controlled from the suitable location to be provided. The rudder shall be capable of moving from hard over to hard over (35 Deg. Port to 35 Deg. Starboard) at full speed of the vessel, ahead and astern.	We find both options of steering gear- mechanical or electro-hydraulic type. We notice that the price of these 2 systems can be quite different and performance also will vary depending on the system. Please clarify which system is required for this enquiry.	Both type are acceptable.
35	Technical Specifications of Propulsion System – Main Engines, Gear Box, Stern gear	2.2.6 Monitoring and Control Systems in Wheelhouse/ Coxswain	We notice that these wooden boats are displacement hull design with typical inboard diesel engine fitted with gearbox, conventional	

Sl No	Reference	As Stated in Tender Documents	Pre-bid Query	Reply to queries
		vii) Steering and trim position indicating gauge	<p>propeller shafting system and fixed pitch propeller; hence trim system or trim position gauge will not apply for such boats. Please clarify.</p> <p>Steering position gauge/indicator can be made available but are very expensive due to limited number of manufacturers making these indicators. Please clarify if the same is required.</p>	Refer to corrigendum II
36	Technical Specifications of Propulsion System – Main Engines, Gear Box, Stern gear	<p>Propulsion System Examination Checklist:- Sr. No. 7</p> <p>Provision of fire-fighting arrangement in the engine room in case of decked boats</p>	Please clarify the exact requirement for the fire-fighting arrangement.	This requirement is specific and will depend upon the size of engine/engine room.
37	Framework Agreement - Schedule 5: Secondary Procurement Forms Inspections and Tests GCC 26.1	<p>The inspections and tests shall be: as per the Framework Agreement Schedule 1: Schedule of Requirements</p> <p>Note: The cost of tests and trials to be undertaken by Indian Register of Shipping</p>	Please clarify who will arrange the fuel for conducting the sea trials.	<p>Refer to Framework Agreement - Schedule 5: Secondary Procurement Forms</p> <p>Inspections and Tests GCC 26.1</p>

Sl No	Reference	As Stated in Tender Documents	Pre-bid Query	Reply to queries
		<p>(IRS) and indicated in Section VII: Schedule of Requirements – Inspections and Tests, 1.0 - Test &amp; Trials, shall be borne by the Procuring agency.</p> <p>However, the supplier shall at its own expense and at no cost to the Purchaser carry out all other tests and/or inspections of the Goods and Related Services.</p>		
38	ITB 11.1(h)	1. Type approval certificate for marine engines, reversible gear box from Classification society	We intend to supply Chinese make marine gearbox which are widely used in India & having CCS approval. CCS being IACS member, IRS would accept these Gearboxes to meet tender criteria. Kindly give us concordance to use this gear box.	In such case, authentication of the certificate may be verified.
39	ITB 11.1(h)	3. BIS/ISI certification for propulsion system	BIS/ISI certification for propulsion system is not available. So can we use propulsion system without above certification?	Refer to Corrigendum II
40	ITB 17.2(a)	Manufacturer's authorization is required.	If Manufacturer's Authorization is required, Can OEA or the dealer of the OEM can apply as a bidder.	Please refer to Section III - Evaluation and Qualification Criteria, 3. Post Qualification Criteria (ITB 37.1) (b) If Bidder

Sl No	Reference	As Stated in Tender Documents	Pre-bid Query	Reply to queries
				is not a manufacturer:
41	Section III - Evaluation and Qualification Criteria, 3. Post Qualification Criteria (ITB 37.1) 3 (a),(b)	(a) If the Bidder is a manufacturer:  (b) If the Bidder is a manufacturer: i,ii,iii,iv	As overall requirement of such low HP marine engine is less in the Indian market, so not so many engines are being sold yearly. As such, request to eliminate the annual turnover clause for all items and also Experience and Technical Capacity Clause for both Manufacturer as well as dealer.	<b>No Change</b>
42	Section IV – Bid Forms Multi-Supplier FA- Price Schedule: Goods Manufactured in the Purchaser’s Country	Estimated Schedule of Requirements- Supply of Goods (Delivery Period** as per Incoterms)	Please give us the extension for delivery for min 3 months, for 1 <sup>st</sup> lot and there after supply can be made as per your schedule of 45 days or on quarterly basis.	<b>No Change</b>
43	Technical Specification	6 (b)Electric Starter	Allow us to provide 24V DC system, as it will be more safe.	As per OEM recommendation
44	Technical Specification	2. Lub Oil Circuit, 3. River Water Circuit, 4. Coolant Circuit, 5. Charge Air & Exhaust	Each manufacturer has different material for all mentioned equipment. So please change material as "Suitable for Marine application"	Being a part of engine design, this will be verified during type approval stage.
45	Technical Specification	4.0 Installation of Marine Engine, Reversible gear box and Training	For installation please clarify below points. 1. Who will provide the dry docking facility and who will bear the manpower and	1. Bidder has to arrange Dry docking facility, if required. Cost to be borne by the bidder.

Sl No	Reference	As Stated in Tender Documents	Pre-bid Query	Reply to queries
			cost required for the same? 2. If any structural changes are need to be make for removing the engine and installing the new engine and gearbox with base frame or girder (if required) who will do it ? Who will bear the cost of material, cost of manpower?	2. Structural changes are not under bidder scope. However, installation is the scope of the bidder.
46	<b>FrameworkAgreement - Schedule 5: Secondary Procurement Forms Special Conditions of Call-off Contract (SCC)</b>	<b>Terms of paymentGCC 16.1</b> Payment for Goods and Services supplied from within the	On Acceptance clause it is mentioned that Ten (50)% contract price. It seems that there is a typo error regarding the percentage. Please correct.	Please refer to the corrigendum-II
47	<b>ITB 22.1</b>	Bids must be uploaded online no later than the date and time <b>specifiedbelow.</b>  <b>The deadline for Bid submission is:</b> Date: 16th August,2019 Time: IST 14.00 Hours  Bidders has to submit their Bids electronically at <a href="http://www.assamtenders.gov.in">www.assamtenders.gov.in</a>	Requested Revised Last Date And Time For Submission Of Bids : 15th September,2019 Time 14 00 Hours	Refer to corrigendum I
48	<b>Technical Specification</b>	Engines & gear boxes shall betype approved by IACS class society along-with	Engines are required with 'Serial Number Unit Certification'; as per IACS &	No Change

Sl No	Reference	As Stated in Tender Documents	Pre-bid Query	Reply to queries
		unitcertification (Engine only) for marine application & should have indigenous product supportfacilities.	DGS rules Unit classifications are required ONLY above 120kw or for seagoing vessels with Class Notations where it's mandatory. Serial Number Unit Certification for this lower powered engine class will not be economical as the cost of class FATs & Certification for each units will be huge in terms of cost & time. Considering the facts and requirement portfolio 'Type Approval for the engines' are only required; requesting confirmation.	
49	ITB 11.1(h)	3. BIS/ISI certification for propulsion system	For Propulsion system comprising Shaft, Propeller & Accessories are required with ISI/BIS; as a normal practice Class (IRS) Type Approval shall be availed NOT ISI/BIS. Please confirm.	Refer to Corrigendum II
50	Section IV – Bid Forms Multi-Supplier FA- Price Schedule: Goods Manufactured in the Purchaser's Country	Delivery Periodas defined byIncoterms 45 days	Regarding Delivery; there is no way any supplier can fulfill order in 45 days.	No Change
51	Technical Specification	The propulsion system shall be designed to achieve desired performance throughout the lifeof the	For optimum propulsion solution package (especially shaft, propeller & accessories), exact dimensions and boats	Size range of the Boats are provided in the RFB, Technical Specification- 1.1. Marine Engine. Due diligence of the

Sl No	Reference	As Stated in Tender Documents	Pre-bid Query	Reply to queries
		vessel.	details for each segment shall be availed	bidder is recommended
52	ITB 11.1 (h)	Type Approval certificate from Classification Society for the offered engine within one (01) month from the date of Notification to Conclude a Framework Agreement	IRS Type approval if not available, for securing Type Approval standard time required will be 3 to 4 months,request consider 'within 4 Months' time from notification to conclude frame of agreements.	As Per the RFB, type approval certificate of any IACS member is acceptable
53	Technical Specifications of Propulsion System – Main Engines, Gear Box, Stern gear.	4.0 Installation of Marine Engine, Reversible gear box and Training	The scope of supply includes all accessories incl. Battery, Battery Cables, Battery Main Switch etc?	Yes, if require.
54	Technical Specification 1.1 Main Engine	13. Suitable fuel system to be provided. Provision of fuel filling, anti-flash tank vent, fuel filter, fuel tank gauge to be catered.	Mentioned Anti Flash vent tank, means fuel tank in bidder scope?	Yes, Fuel tank is in bidder scope
55	Technical Specification	<b>1.3 Stern Gear</b> Fixed Pitch Propeller (FPP) shall be provided. Each shaft line shall consist of a propellershaft, fixed pitch propeller; Material of the propeller shall be Phosphorous-bronze alloy.	<b><u>Different Length of boat</u></b>  In 15 meter, 20, 25, 35 mtr length of existing boats itself the position of existing engine will be different we will not get an accurate costing of propeller shaft length to quote. In South Indian style of boats, engine will be placing almost back side of the boat, but in Assam,	The purchaser does not have any drawings of the boats. Due diligence of bidder is recommended.

Sl No	Reference	As Stated in Tender Documents	Pre-bid Query	Reply to queries
			<p>the engine will be on the center of the boat and will have to go for a lengthy propeller shaft. Kindly clarify whether you have any drawing of these boats with above length to have a measurement idea.</p>	
56	<p><b>Technical Specification</b></p>	<p><b>1.4 Steering Gear</b> Streamlined rudder driven by mechanical/Electro-hydraulicsteering gear, controlled from the suitable location to be provided. The rudder shall be capable of moving from hard over to hard over (35 Deg. Port to 35 Deg. Starboard) at full speed of the vessel, ahead and astern.</p>	<p><b><u>Hydraulic Steering system</u></b>  In the technical specification, you have mentioned to supply hydraulic steering system in each boat, but in the Supply schedule, there is stated only about the supply of type approved main engine, gearbox, and propulsion system. If we need to include the supply and installation of hydraulic steering system on an existing boat, we have to go for a new rudder assembly unit along with steering system. Please clarify this part.</p>	<p>Please refer to Technical Specification: 1.0- Main Propulsion</p>
57	<p>Section I. Instructions to Bidders 1 Scope of Bid</p>	<p><b>1.2.(g) “Delivery Period”</b> is the specified period from the date of formation of a Call-off contract for delivery of the Goods, as per the applicable Inco-terms.</p>	<p><b><u>Delivery schedule &amp; Storage of Engines.</u></b>  The boats which we are installing the Engine, propulsion system, and steering system has to be dry docked for the removal of existing engine</p>	<p>Bidder has to make required arrangement</p>

Sl No	Reference	As Stated in Tender Documents	Pre-bid Query	Reply to queries
			<p>and fitment of new engines. With a bulk quantity of engines at a stretch, how we can manage the installation by dry docking all these boats. Secondly after sending the engines to Assam, how we will store this till the installation gets over. Do you have any warehouse facility to keep the engine and marine accessories under lock and key</p>	
58	<p>FrameworkAgreement - Schedule 5: SecondaryProcurement Forms Inspections and Tests GCC 26.1</p>	<p>The inspections and tests shall be: as per the Framework AgreementSchedule 1: Schedule of Requirements</p> <p>Note: The cost of tests and trials to be undertaken by Indian Registerof Shipping (IRS) and indicated in Section VII: Schedule ofRequirements – Inspections and Tests, 1.0 - Test &amp;Trials, shall be borne by the Procuring agency.</p> <p>However, the supplier shall at itsown expense and at no</p>	<p><b><u>Post installation inspection</u></b></p> <p>As per the inspection details in the tender, there will be an IRS inspection after installation with trial runs. Who will be bearing the pre &amp; post installation IRS inspection costs.</p>	<p>Refer to FrameworkAgreement - Schedule 5: SecondaryProcurement Forms Inspections and Tests GCC 26.1</p>

Sl No	Reference	As Stated in Tender Documents	Pre-bid Query	Reply to queries
		cost to the Purchaser carry out all other tests and/or inspections of the Goods and Related Services.		
59	<b>Technical Specifications</b>	4.0 Installation of Marine Engine, Reversible gear box and Training	<p><b><u>Installation &amp; Existing engine bed of the boat</u></b></p> <p>In order to do the installation on an existing boat, we need to get the boat engine foundation drawing, so that we can make engine base frame accordingly and directly install on boat. Before the installation, we have to check the strength of the boat engine foundation and stuffing box / stern tube unit to be fixed by doing carpentry works. Who will be taking care of these works. If the boat engine bed to be re-arranged according to new engine size, who will be bearing these carpentry work cost.</p>	<p>Please refer to</p> <p>Technical Specifications of Propulsion System – Main Engines, Gear Box, Stern gear.</p> <p>4.0 Installation of Marine Engine, Reversible gear box and Training</p>
60	<b>Framework Agreement - Schedule 5: Secondary Procurement Forms Special Conditions of Call-off Contract (SCC)</b>	<b>Terms of payment GCC 16.1</b>	<p><b><u>Payment schedule.</u></b></p> <p>How will be the payment schedule for this project.</p>	<p>Please refer to Terms of payment GCC 16.1 of Special Condition of Call of Contract and Corrigendum II</p>

Sl No	Reference	As Stated in Tender Documents	Pre-bid Query	Reply to queries
61	<b>Framework Agreement - Schedule 5: Secondary Procurement Forms Special Conditions of Call-off Contract (SCC)</b>	<b>Warranty GCC 28.3</b>	<p><b><u>Marine Engine service in the warranty period.</u></b></p> <p>Please give us a clarity of engine services during the warranty period and if so, is it including consumables or only labor expense to be added on our cost. Warranty will be applicable only for the manufacturing defect for the engine, gearbox and marine accessories.</p>	<p>Refer to the relevant GCC clause 28.3</p> <p>During warranty period OEM's recommended preventive/scheduled maintenance to be provided. Cost of consumables for such services are not under bidder scope</p>
62	Technical Specifications of Propulsion System – Main Engines, Gear Box, Stern gear.	4.0 Installation of Marine Engine, Reversible gear box and Training	<p><b><u>Repairing of the boat</u></b></p> <p>The boats has to be ready in good condition without any leakage prior to the installation and who will take care of this job.</p>	<p>No engine will be fitted in a boat where there is leakage.</p>