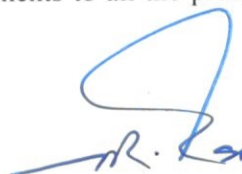


Corrigendum

To the Invitation For Bid (IFB) published for Procurement of patrolling Boats for Pakistan Customs under International Competitive Bidding published **IFB No. PID(K)2678** dated 01.02.2016.

Subsequent to the queries raised by the prospective bidders in the Pre-Bid meetings dated **February 10, 2016** and dated **February 18, 2016** amendments have been made in the technical specifications, evaluation criteria, delivery schedule and other contract conditions in the Standard Bidding Documents under Rule 23(3) of the PPRA Rules 2004. The date and time of submission for sealed bids has been extended to **March 25, 2016**. The said amendments are hereby publicly advertised in the national dailies and posted on www.ppra.org.pk and www.fbr.gov.pk under Rule 27 of the PPRA 2004 for dissemination of the stated amendments to all the prospective bidders for the subject procurement activity.



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Collectorate of Customs (Preventive)

STANDARD BIDDING DOCUMENTS

Procurement of Patrolling Boats for Pakistan Customs

Under

**International Competitive Bidding (ICB)
&
Single Stage Two Envelop Bidding**



**Model Customs Collectorate (MCC) Preventive, Karachi
22th, February 2016**

Foreword

These Standard Bidding Documents (SBDs) for Procurement of Goods have been prepared by Model Customs Collectorate (MCC), Karachi to be used for the procurement of Patrolling Boats through International Competitive Bidding (ICB) as per Single Stage Two Envelop Bidding Process through Fixed Price Lump Sum Contract under Federal Public Procurement Rules 2004. The Contracting Methodology adopted for this activity is governed by Merit Point Evaluation wherein highest ranking firm in the combined evaluation will be awarded the contract for manufacture and supply of patrolling boats to Pakistan Customs.

These Bidding Documents for Procurement of Goods assume that no prequalification has taken place before bidding.

SBDs for Procurement of Goods

Summary

PART 1 – BIDDING PROCEDURES

Section I. Instructions to Bidders (ITB)

This Section provides information to help Bidders prepare their bids. Information is also provided on the submission, opening, and evaluation of bids and on the award of Contracts. Section I contains provisions that are to be used without modification.

Section II. Bidding Data Sheet (BDS)

This Section includes provisions that are specific to each procurement and that supplement Section I, Instructions to Bidders.

Section III. Evaluation and Qualification Criteria

This Section specifies the criteria to be used to determine the lowest evaluated bid, and the Bidder's qualification requirements to perform the contract.

Section IV. Bidding Forms

This Section includes the forms for the Bid Submission, Price Schedules, Bid Security, and the Manufacturer's Authorization to be submitted with the Bid.

Section V. Eligible Countries

This Section contains information regarding eligible countries.

PART 2 – SUPPLY REQUIREMENTS

Section VI. Schedule of Requirements

This Section includes the List of Goods and Related Services, the Delivery and Completion Schedules, the Technical Specifications and the Drawings that describe the Goods and Related Services to be procured.

PART 3 – CONTRACT

Section VII. General Conditions of Contract (GCC)

This Section includes the general clauses to be applied in all contracts. The text of the clauses in this Section shall not be modified.

Section VIII. Special Conditions of Contract (SCC)

This Section includes clauses specific to each contract that modify or supplement Section VII, General Conditions of Contract.

Section IX: Contract Forms

This Section includes the form for the Agreement, which, once completed, incorporates corrections or modifications to the accepted bid that are permitted under the Instructions to Bidders, the General Conditions of Contract, and the Special Conditions of Contract.

The forms for Performance Security and Advance Payment Security, when required, shall only be completed by the successful Bidder after contract award.

Attachment: Invitation for Bids

An “Invitation for Bids” form is provided at the end of the Bidding Documents for information.

Standard Bidding Documents

Issued on: _____

for

Procurement of
Procurement of Patrolling Boats for Pakistan
Customs

ICB No: *MCC-KHI/Patrolling-2015*

Purchaser: *Model Customs Collectorate (MCC)*
Preventive, Karachi

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PART 1 – Bidding Procedures

Section I. Instructions to Bidders

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Section I. Instructions to Bidders

General

- Scope of Bid**
1. The Purchaser **indicated in the Bidding Data Sheet (BDS)**, issues these Bidding Documents for the supply of Goods and Related Services incidental thereto as specified in Section VI, Schedule of Requirements. The name and identification number of this International Competitive Bidding (ICB) procurement are **specified in the BDS**. The name, identification, and number of lots of are **provided in the BDS**. Throughout these Bidding Documents:
 - (a) the term “in writing” means communicated in written form (e.g. by mail, e-mail, fax, telex) with proof of receipt;
 - (b) if the context so requires, “singular” means “plural” and vice versa; and
 - (c) “day” means calendar day.
- Source of Funds**
1. The Recipient of funds (hereinafter called “Client or Purchaser”) **specified in the BDS** has applied for or received financing (hereinafter called “funds”) from the Government of Pakistan (hereinafter called “GoP”) toward the cost of the project **named in the BDS**. The Client intends to apply these funds to eligible payments under the contract for which these Standard Bidding Documents are issued.
 2. Payments by the Client will be made only at the request of the selected bidder (hereinafter called “Supplier”) and upon approval by the Client in accordance with the terms and conditions of the Standard Bidding Documents.

**Fraud and
Corruption**

3.1 It is the Client's policy to require that client's procurement personnel as well as bidders, suppliers, and contractors and their agents (whether declared or not), personnel, subcontractors, sub-consultants, service providers and suppliers observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the Client:

- (a) defines, for the purposes of this provision, the terms set forth below as follows:
 - (i) "corrupt practice" is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;
 - (ii) "fraudulent practice" is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
 - (iii) "collusive practice" is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;
 - (iv) "coercive practice" is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;
 - (v) "obstructive practice" is
 - (aa) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Client investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or
 - (bb) acts intended to materially impede the exercise of the Client's inspection and audit rights provided for under sub-clause 3.1 (e) below.

- (b) will reject a proposal for award if it determines that the bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for the contract in question;
- (c) will cancel the portion of the loan allocated to a contract if it determines at any time that representatives of the Borrower or of a beneficiary of the loan engaged in corrupt, fraudulent, collusive, or coercive practices during the procurement or the execution of that contract, without the Borrower having taken timely and appropriate action satisfactory to the Client to address such practices when they occur; and
- (d) will sanction a firm or an individual, at any time, in accordance with prevailing Client's sanctions procedures, including by publicly declaring such firm or individual ineligible, either indefinitely or for a stated period of time: (i) to be awarded a Client-financed contract; and (ii) to be a nominated subcontractor, consultant, manufacturer or supplier, or service provider of an otherwise eligible firm being awarded a Client-financed contract.

3.2 In further pursuance of this policy, Bidders shall permit the Client to inspect any accounts and records and other documents relating to the Bid submission and contract performance, and to have them audited by auditors appointed by the Client.

3.3 Furthermore, Bidders shall be aware of the provision stated in Sub-Clause 35.1 (a) (iii) of the General Conditions of Contract.

- Eligible Bidders**
1. A Bidder, and all parties constituting the Bidder, may have the nationality of any country, subject to the restrictions specified in Section V, Eligible Countries. A Bidder shall be deemed to have the nationality of a country if the Bidder is a citizen or is constituted, incorporated, or registered and operates in conformity with the provisions of the laws of that country. This criterion shall also apply to the determination of the nationality of proposed subcontractors or suppliers for any part of the Contract including Related Services.
 2. A Bidder shall not have a conflict of interest. All bidders found to have conflict of interest shall be disqualified. Bidders may be considered to have a conflict of interest with one or more parties in this bidding process, if they:
 - (a) are or have been associated in the past, with a firm or any of its affiliates which have been engaged by the Purchaser to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under these Bidding Documents ; or
 - (b) submit more than one bid in this bidding process, except for alternative offers permitted under ITB Clause 13. However, this does not limit the participation of subcontractors in more than one bid;
 - 4.3-4.4 A firm that has been sanctioned or debarred by the Client in accordance with the above ITB Clause 3.1 (d), or in accordance with the Client's Guidelines on Preventing and Combating Fraud and Corruption in Projects under PPRA Islamabad, shall be ineligible to be awarded a Client-financed contract, or benefit from a GoP-financed contract, financially or otherwise, during such period of time as the Client shall determine. The list of debarred firms is available at the electronic address specified in the **BDS**.
 - 4.5 Government-owned enterprises in the Borrower's Country shall be eligible only if they can establish that they (i) are legally and financially autonomous, (ii) operate under commercial law, and (iii) are not a dependent agency of the Purchaser.
 - 4.6 Bidders shall provide such evidence of their continued eligibility satisfactory to the Purchaser, as the Purchaser shall reasonably request.

Eligible Goods and Related Services

1. All the Goods and Related Services to be supplied under the Contract and financed by the Client may have their origin in any country in accordance with Section V, Eligible Countries.
2. For purposes of this Clause, the term “goods” includes commodities, raw material, machinery, equipment, and industrial plants; and “related services” includes services such as insurance, installation, training, and initial maintenance.
3. The term “origin” means the country where the goods have been mined, grown, cultivated, produced, manufactured or processed; or, through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.

Contents of Bidding Documents**Sections of Bidding Documents**

1. The Bidding Documents consist of Parts 1, 2, and 3, which include all the Sections indicated below, and should be read in conjunction with any Addendum issued in accordance with ITB Clause 8.

PART 1 Bidding Procedures

- ☐ Section I. Instructions to Bidders (ITB)
- ☐ Section II. Bidding Data Sheet (BDS)
- ☐ Section III. Evaluation and Qualification Criteria
- ☐ Section IV. Bidding Forms
- ☐ Section V. Eligible Countries

PART 2 Supply Requirements

- ☐ Section VI. Schedule of Requirements

PART 3 Contract

- ☐ Section VII. General Conditions of Contract (GCC)
- ☐ Section VIII. Special Conditions of Contract (SCC)
- ☐ Section IX. Contract Forms

2. The Invitation for Bids issued by the Purchaser is not part of the Bidding Documents.
3. The Purchaser is not responsible for the completeness of the Bidding Documents and their addendum, if they were not obtained directly from the Purchaser.
4. The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Documents. Failure to furnish all information or documentation required by the Bidding Documents may result in the rejection of the bid.

**Clarification of
Bidding
Documents**

1. A prospective Bidder requiring any clarification of the Bidding Documents shall contact the Purchaser in writing at the Purchaser's address **specified in the BDS**. The Purchaser will respond in writing to any request for clarification, provided that such request is received no later than twenty-one (21) days prior to the deadline for submission of bids. The Purchaser shall forward copies of its response to all those who have acquired the Bidding Documents directly from it, including a description of the inquiry but without identifying its source. Should the Purchaser deem it necessary to amend the Bidding Documents as a result of a clarification, it shall do so following the procedure under ITB Clause 8 and ITB Sub-Clause 24.2.

**Amendment of
Bidding
Documents**

1. At any time prior to the deadline for submission of bids, the Purchaser may amend the Bidding Documents by issuing addendum.
2. Any addendum issued shall be part of the Bidding Documents and shall be communicated in writing to all who have obtained the Bidding Documents directly from the Purchaser.
3. To give prospective Bidders reasonable time in which to take an addendum into account in preparing their bids, the Purchaser may, at its discretion, extend the deadline for the submission of bids, pursuant to ITB Sub-Clause 24.2

Preparation of Bids

Cost of Bidding

1. The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Purchaser shall not be responsible or liable for those costs, regardless of the conduct or

outcome of the bidding process.

Language of Bid 1. The Bid, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Purchaser, shall be written in the language **specified in the BDS**. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages into the language **specified in the BDS**, in which case, for purposes of interpretation of the Bid, such translation shall govern.

**Documents
Comprising
the Bid** 1. The Bid shall comprise the following:

- (a) Bid Submission Form and the applicable Price Schedules, in accordance with ITB Clauses 12, 14, and 15;
- (b) Bid Security or Bid-Securing Declaration, in accordance with ITB Clause 21, if required;
- (c) written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB Clause 22;
- (d) documentary evidence in accordance with ITB Clause 16 establishing the Bidder's eligibility to bid;
- (e) documentary evidence in accordance with ITB Clause 17, that the Goods and Related Services to be supplied by the Bidder are of eligible origin;
- (f) documentary evidence in accordance with ITB Clauses 18 and 30, that the Goods and Related Services conform to the Bidding Documents;
- (g) documentary evidence in accordance with ITB Clause 19 establishing the Bidder's qualifications to perform the contract if its bid is accepted; and
- (h) any other document **required in the BDS**.

**Bid Submission
Form and
Price
Schedules**

1. The Bidder shall submit the Bid Submission Form using the form furnished in Section IV, Bidding Forms. This form must be completed without any alterations to its format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.
2. The Bidder shall submit the Price Schedules for Goods and Related Services, according to their origin as appropriate, using the forms furnished in Section IV, Bidding Forms

Alternative Bids

1. Unless otherwise **specified in the BDS**, alternative bids shall not be considered.

Bid Prices and Discounts

1. The prices and discounts quoted by the Bidder in the Bid Submission Form and in the Price Schedules shall conform to the requirements specified below.
2. All lots and items must be listed and priced separately in the Price Schedules.
3. The price to be quoted in the Bid Submission Form shall be the total price of the bid, excluding any discounts offered.
4. The Bidder shall quote any unconditional discounts and indicate the method for their application in the Bid Submission Form.
5. The terms EXW, CIP, and other similar terms shall be governed by the rules prescribed in the current edition of Incoterms, published by The International Chamber of Commerce, as specified in the **BDS**.
6. Prices shall be quoted as specified in each Price Schedule included in Section IV, Bidding Forms. The dis-aggregation of price components is required solely for the purpose of facilitating the comparison of bids by the Purchaser. This shall not in any way limit the Purchaser's right to contract on any of the terms offered. In quoting prices, the Bidder shall be free to use transportation through carriers registered in any eligible country, in accordance with Section V Eligible Countries. Similarly, the Bidder may obtain insurance services from any eligible country in accordance with Section V Eligible Countries. Prices shall be entered in the following manner:
 - (a) For Goods manufactured in the Purchaser's Country:
 - (i) the price of the Goods quoted EXW (ex works, ex factory, ex warehouse, ex showroom, or off-the-shelf, as applicable), including all customs duties and sales and other taxes already paid or payable on the components and raw material used in the manufacture or assembly of the Goods;
 - (ii) any Purchaser's Country sales tax and other taxes which will be payable on the Goods if the contract is awarded to the Bidder; and
 - (iii) the price for inland transportation, insurance, and other local services required to convey the Goods to their final destination (Project Site) specified in the **BDS**.
 - (b) For Goods manufactured outside the Purchaser's

Country, to be imported:

- (i) the price of the Goods, quoted CIP named place of destination, in the Purchaser's Country, or CIF named port of destination, as specified in the **BDS**;
- (ii) the price for inland transportation, insurance, and other local services required to convey the Goods from the named place of destination to their final destination (Project Site) specified in the **BDS**;
- (iii) in addition to the CIP or DDP prices specified in (b)(i) above, the price of the Goods to be imported may be quoted FCA (named place of destination) or CPT (named place of destination), if so specified in the **BDS**;
- (c) For Goods manufactured outside the Purchaser's Country, already imported:

[For previously imported Goods, the quoted price shall be distinguishable from the original import value of these Goods declared to customs and shall include any rebate or mark-up of the local agent or representative and all local costs except import duties and taxes, which have been and/or have to be paid by the Purchaser. For clarity the bidders are asked to quote the price including import duties, and additionally to provide the import duties and the price net of import duties which is the difference of those values.]

- (i) the price of the Goods, including the original import value of the Goods; plus any mark-up (or rebate); plus any other related local cost, and custom duties and other import taxes already paid or to be paid on the Goods already imported.
- (ii) the custom duties and other import taxes already paid (need to be supported with documentary evidence) or to be paid on the Goods already imported;
- (iii) the price of the Goods, obtained as the difference between (i) and (ii) above;
- (iv) any Purchaser's Country sales and other taxes which will be payable on the Goods if the contract is awarded to the Bidder; and
- (v) the price for inland transportation, insurance, and

other local services required to convey the Goods from the named place of destination to their final destination (Project Site) specified in the **BDS**.

- (d) for Related Services, other than inland transportation and other services required to convey the Goods to their final destination, whenever such Related Services are specified in the Schedule of Requirements:
 - (i) the price of each item comprising the Related Services (inclusive of any applicable taxes).
- 7. Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to variation on any account, unless otherwise specified in the **BDS**. A Bid submitted with an adjustable price quotation shall be treated as non responsive and shall be rejected, pursuant to ITB Clause 30. However, if in accordance with the **BDS**, prices quoted by the Bidder shall be subject to adjustment during the performance of the Contract, a bid submitted with a fixed price quotation shall not be rejected, but the price adjustment shall be treated as zero.
- 8. If so indicated in ITB Sub-Clause 1.1, bids are being invited for individual contracts (lots) or for any combination of contracts (packages). Unless otherwise indicated in the **BDS**, prices quoted shall correspond to 100 % of the items specified for each lot and to 100% of the quantities specified for each item of a lot. Bidders wishing to offer any price reduction (discount) for the award of more than one Contract shall specify the applicable price reduction in accordance with ITB Sub-Clause 14.4 provided the bids for all lots are submitted and opened at the same time.

**Currencies of
Bid**

1. The Bidder shall quote in the currency of the Purchaser's Country the portion of the bid price that corresponds to expenditures incurred in the currency of the Purchaser's country, unless otherwise specified in the **BDS**.
2. The Bidder may express the bid price in the currency of any country in accordance with Section V, Eligible countries. If the Bidder wishes to be paid in a combination of amounts in different currencies, it may quote its price accordingly but shall use no more than three currencies in addition to the currency of the Purchaser's Country.

**Documents
Establishing
the
Eligibility of
the Bidder**

1. To establish their eligibility in accordance with ITB Clause 4, Bidders shall complete the Bid Submission Form, included in Section IV, Bidding Forms.

**Documents
Establishing
the
Eligibility of
the Goods
and Related
Services**

1. To establish the eligibility of the Goods and Related Services in accordance with ITB Clause 5, Bidders shall complete the country of origin declarations in the Price Schedule Forms, included in Section IV, Bidding Forms.

**Documents
Establishing
the
Conformity
of the Goods
and Related
Services**

1. To establish the conformity of the Goods and Related Services to the Bidding Documents, the Bidder shall furnish as part of its Bid the documentary evidence that the Goods conform to the technical specifications and standards specified in Section VI, Schedule of Requirements.
2. The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item by item description of the essential technical and performance characteristics of the Goods and Related Services, demonstrating substantial responsiveness of the Goods and Related Services to the technical specification, and if applicable, a statement of deviations and exceptions to the provisions of the Schedule of Requirements.
3. The Bidder shall also furnish a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the Goods during the period **specified in the BDS** following commencement of the use of the goods by the Purchaser.
4. Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by the Purchaser in the Schedule of Requirements, are intended to be descriptive only and not restrictive. The Bidder may offer other standards of quality, brand names, and/or catalogue numbers, provided that it demonstrates, to the Purchaser's satisfaction, that the substitutions ensure substantial equivalence or are superior to those specified in the Schedule of Requirements.

**Documents
Establishing
the
Qualification
s of the
Bidder**

1. The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the Purchaser's satisfaction:
 - (a) that, if **required in the BDS**, a Bidder that does not manufacture or produce the Goods it offers to supply shall submit the Manufacturer's Authorization using the form included in Section IV, Bidding Forms to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in the Purchaser's Country;
 - (b) that, if **required in the BDS**, in case of a Bidder not doing business within the Purchaser's Country, the Bidder is or will be (if awarded the contract) represented by an Agent in the country equipped and able to carry out the Supplier's maintenance, repair and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications; and
 - (c) that the Bidder meets each of the qualification criterion specified in Section III, Evaluation and Qualification Criteria.

**Period of
Validity of
Bids**

1. Bids shall remain valid for the period **specified in the BDS** after the bid submission deadline date prescribed by the Purchaser. A bid valid for a shorter period shall be rejected by the Purchaser as non responsive.
2. In exceptional circumstances, prior to the expiration of the bid validity period, the Purchaser may request bidders to extend the period of validity of their bids. The request and the responses shall be made in writing. If a Bid Security is requested in accordance with ITB Clause 21, it shall also be extended for a corresponding period. A Bidder may refuse the request without forfeiting its Bid Security. A Bidder granting the request shall not be required or permitted to modify its bid, except as provided in ITB Sub-Clause 20.3.
3. In the case of fixed price contracts, if the award is delayed by a period exceeding fifty-six (56) days beyond the expiry of the initial bid validity, the Contract price shall be adjusted as specified in the request for extension. Bid evaluation shall be based on the Bid Price without taking into consideration the above correction.

Bid Security

1. The Bidder shall furnish as part of its bid, a Bid Security or a Bid-Securing Declaration, if required, as **specified in the BDS**.
2. The Bid Security shall be in the amount specified in the BDS and denominated in the currency of the Purchaser's Country or a freely convertible currency, and shall:
 - (a) at the bidder's option, be in the form of either a letter of credit, or a Client guarantee from a Clienting institution, or a bond issued by a surety;
 - (b) be issued by a reputable institution selected by the bidder and located in any eligible country. If the institution issuing the bond is located outside the Purchaser's Country, it shall have a correspondent financial institution located in the Purchaser's Country to make it enforceable.
 - (c) be substantially in accordance with one of the forms of Bid Security included in Section IV, Bidding Forms, or other form approved by the Purchaser prior to bid submission;
 - (d) be payable promptly upon written demand by the Purchaser in case the conditions listed in ITB Clause 21.5 are invoked;
 - (e) be submitted in its original form; copies will not be accepted;
 - (f) remain valid for a period of 28 days beyond the validity period of the bids, as extended, if applicable, in accordance with ITB Clause 20.2;
3. If a Bid Security or a Bid-Securing Declaration is required in accordance with ITB Sub-Clause 21.1, any bid not accompanied by a substantially responsive Bid Security or Bid Securing Declaration in accordance with ITB Sub-Clause 21.1, shall be rejected by the Purchaser as non-responsive.
4. The Bid Security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's furnishing of the Performance Security pursuant to ITB Clause 44.
5. The Bid Security may be forfeited or the Bid Securing Declaration executed:
 - (a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Submission Form, except as provided in ITB Sub-Clause 20.2; or

- (b) if the successful Bidder fails to:
 - (i) sign the Contract in accordance with ITB Clause 43;
 - (ii) furnish a Performance Security in accordance with ITB Clause 44.
- 6. The Bid Security or Bid- Securing Declaration of a JV must be in the name of the JV that submits the bid. If the JV has not been legally constituted at the time of bidding, the Bid Security or Bid-Securing Declaration shall be in the names of all future partners as named in the letter of intent mentioned in Section IV “Bidding Forms,” Bidder Information Form Item 7.

21.7 If a bid security is **not required in the BDS**, and

- (a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Letter of Bid Form, except as provided in ITB 20.2, or
- (b) if the successful Bidder fails to: sign the Contract in accordance with ITB 43; or furnish a performance security in accordance with ITB 44;

the Borrower may, **if provided for in the BDS**, declare the Bidder disqualified to be awarded a contract by the Purchaser for a period of time **as stated in the BDS**.

**Format and
Signing of
Bid**

1. The Bidder shall prepare one original of the documents comprising the bid as described in ITB Clause 11 and clearly mark it "ORIGINAL." In addition, the Bidder shall submit copies of the bid, in the number specified in the **BDS** and clearly mark them "COPY." In the event of any discrepancy between the original and the copies, the original shall prevail.
2. The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder.
3. Any interlineation, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the Bid.

Submission and Opening of Bids

**Submission,
Sealing and
Marking of
Bids**

1. Bidders may always submit their bids by mail or by hand. When so specified in the **BDS**, bidders shall have the option of submitting their bids electronically.
 - (a) Bidders submitting bids by mail or by hand, shall enclose the original and each copy of the Bid, including alternative bids, if permitted in accordance with ITB Clause 13, in separate sealed envelopes, duly marking the envelopes as “ORIGINAL” and “COPY.” These envelopes containing the original and the copies shall then be enclosed in one single envelope. The rest of the procedure shall be in accordance with ITB sub-Clauses 23.2 and 23.3.
 - (b) Bidders submitting bids electronically shall follow the electronic bid submission procedures specified in the **BDS**.
2. The inner and outer envelopes shall:
 - (a) Bear the name and address of the Bidder;
 - (b) be addressed to the Purchaser in accordance with ITB Sub-Clause 24.1;
 - (c) bear the specific identification of this bidding process indicated in ITB 1.1 and any additional identification marks as **specified in the BDS**; and
 - (d) bear a warning not to open before the time and date for bid opening, in accordance with ITB Sub-Clause 27.1.
- 23.3 If all envelopes are not sealed and marked as required, the Purchaser will assume no responsibility for the misplacement or premature opening of the bid.

**Deadline for
Submission
of Bids**

1. Bids must be received by the Purchaser at the address and no later than the date and time **specified in the BDS**.
2. The Purchaser may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Documents in accordance with ITB Clause 8, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.

Late Bids

1. The Purchaser shall not consider any bid that arrives after the deadline for submission of bids, in accordance with ITB Clause 24. Any bid received by the Purchaser after the deadline for submission of bids shall be declared late, rejected, and returned unopened to the Bidder.

**Withdrawal,
Substitution,
and
Modification
of Bids**

1. A Bidder may withdraw, substitute, or modify its Bid after it has been submitted by sending a written notice in accordance with ITB Clause 23, duly signed by an authorized representative, and shall include a copy of the authorization (the power of attorney) in accordance with ITB Sub-Clause 22.2, (except that no copies of the withdrawal notice are required). The corresponding substitution or modification of the bid must accompany the respective written notice. All notices must be:
 - (a) submitted in accordance with ITB Clauses 22 and 23 (except that withdrawal notices do not require copies), and in addition, the respective envelopes shall be clearly marked "WITHDRAWAL," "SUBSTITUTION," or "MODIFICATION;" and
 - (b) received by the Purchaser prior to the deadline prescribed for submission of bids, in accordance with ITB Clause 24.
2. Bids requested to be withdrawn in accordance with ITB Sub-Clause 26.1 shall be returned unopened to the Bidders.
3. No bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Submission Form or any extension thereof.

Bid Opening

1. The Purchaser shall conduct the bid opening in public at the address, date and time **specified in the BDS**. Any specific electronic bid opening procedures required if electronic bidding is permitted in accordance with ITB Sub-Clause 23.1, shall be as **specified in the BDS**.
2. First, envelopes marked “WITHDRAWAL” shall be opened and read out and the envelope with the corresponding bid shall not be opened, but returned to the Bidder. If the withdrawal envelope does not contain a copy of the “power of attorney” confirming the signature as a person duly authorized to sign on behalf of the Bidder, the corresponding bid will be opened. No bid withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at bid opening. Next, envelopes marked “SUBSTITUTION” shall be opened and read out and exchanged with the corresponding Bid being substituted, and the substituted Bid shall not be opened, but returned to the Bidder. No Bid substitution shall be permitted unless the corresponding substitution notice contains a valid authorization to request the substitution and is read out at bid opening. Envelopes marked “MODIFICATION” shall be opened and read out with the corresponding Bid. No Bid modification shall be permitted unless the corresponding modification notice contains a valid authorization to request the modification and is read out at Bid opening. Only envelopes that are opened and read out at Bid opening shall be considered further.
3. All other envelopes shall be opened one at a time, reading out: the name of the Bidder and whether there is a modification; the Bid Prices, including any discounts and alternative offers; the presence of a Bid Security or Bid-Securing Declaration, if required; and any other details as the Purchaser may consider appropriate. Only discounts and alternative offers read out at Bid opening shall be considered for evaluation. No Bid shall be rejected at Bid opening except for late bids, in accordance with ITB Sub-Clause 25.1.
4. The Purchaser shall prepare a record of the Bid opening that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal, substitution, or modification; the Bid Price, per lot if applicable, including any discounts, and alternative offers if they were permitted; and the presence or absence of a Bid Security or Bid-Securing Declaration, if one was required. The Bidders’ representatives who are present shall be requested to sign the attendance sheet. A copy of the record shall be distributed to all Bidders who submitted bids in time, and posted

online when electronic bidding is permitted.

Evaluation and Comparison of Bids

- | | |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Confidentiality | <ol style="list-style-type: none">1. Information relating to the examination, evaluation, comparison, and postqualification of bids, and recommendation of contract award, shall not be disclosed to bidders or any other persons not officially concerned with such process until publication of the Contract Award.2. Any effort by a Bidder to influence the Purchaser in the examination, evaluation, comparison, and postqualification of the bids or contract award decisions may result in the rejection of its Bid.3. Notwithstanding ITB Sub-Clause 28.2, from the time of bid opening to the time of Contract Award, if any Bidder wishes to contact the Purchaser on any matter related to the bidding process, it should do so in writing. |
| Clarification of Bids | <ol style="list-style-type: none">1. To assist in the examination, evaluation, comparison and post-qualification of the bids, the Purchaser may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder in respect to its Bid and that is not in response to a request by the Purchaser shall not be considered. The Purchaser's request for clarification and the response shall be in writing. No change in the prices or substance of the Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Purchaser in the Evaluation of the bids, in accordance with ITB Clause 31. |

**Responsiveness
of Bids**

1. The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself.
2. A substantially responsive Bid is one that conforms to all the terms, conditions, and specifications of the Bidding Documents without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that:
 - (a) affects in any substantial way the scope, quality, or performance of the Goods and Related Services specified in the Contract; or
 - (b) limits in any substantial way, inconsistent with the Bidding Documents, the Purchaser's rights or the Bidder's obligations under the Contract; or
 - (c) if rectified would unfairly affect the competitive position of other bidders presenting substantially responsive bids.
3. If a bid is not substantially responsive to the Bidding Documents, it shall be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the material deviation, reservation, or omission.

**Nonconformities
, Errors, and
Omissions**

1. Provided that a Bid is substantially responsive, the Purchaser may waive any non-conformities or omissions in the Bid that do not constitute a material deviation.
2. Provided that a bid is substantially responsive, the Purchaser may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities or omissions in the bid related to documentation requirements. Such omission shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.
3. Provided that the Bid is substantially responsive, the Purchaser shall correct arithmetical errors on the following basis:
 - (a) if there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected;
 - (b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
 - (c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.
4. If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be rejected.

**Preliminary
Examination
of Bids**

1. The Purchaser shall examine the bids to confirm that all documents and technical documentation requested in ITB Clause 11 have been provided, and to determine the completeness of each document submitted.
2. The Purchaser shall confirm that the following documents and information have been provided in the Bid. If any of these documents or information is missing, the offer shall be rejected.
 - (a) Bid Submission Form, in accordance with ITB Sub-Clause 12.1;
 - (b) Price Schedules, in accordance with ITB Sub-Clause 12.2;
 - (c) Bid Security or Bid Securing Declaration, in accordance with ITB Clause 21, if applicable.

**Examination of
Terms and
Conditions;
Technical
Evaluation**

1. The Purchaser shall examine the Bid to confirm that all terms and conditions specified in the GCC and the SCC have been accepted by the Bidder without any material deviation or reservation.
2. The Purchaser shall evaluate the technical aspects of the Bid submitted in accordance with ITB Clause 18, to confirm that all requirements specified in Section VI, Schedule of Requirements of the Bidding Documents have been met without any material deviation or reservation.
3. If, after the examination of the terms and conditions and the technical evaluation, the Purchaser determines that the Bid is not substantially responsive in accordance with ITB Clause 30, it shall reject the Bid.

**Conversion to
Single
Currency**

1. For evaluation and comparison purposes, the Purchaser shall convert all bid prices expressed in amounts in various currencies into an amount in a single currency **specified in the BDS**, using the selling exchange rates established by the source and on the date **specified in the BDS**.

**Domestic
Preference**

1. Domestic preference shall not be a factor in bid evaluation, unless otherwise **specified in the BDS**.

**Evaluation of
Bids**

1. The Purchaser shall evaluate each bid that has been determined, up to this stage of the evaluation, to be substantially responsive.
2. To evaluate a Bid, the Purchaser shall only use all the factors, methodologies and criteria defined in ITB Clause 36. No other criteria or methodology shall be permitted.
3. To evaluate a Bid, the Purchaser shall consider the following:
 - (a) evaluation will be done for Items or Lots, as **specified in the BDS**; and the Bid Price as quoted in accordance with clause 14;
 - (b) price adjustment for correction of arithmetic errors in accordance with ITB Sub-Clause 31.3;
 - (c) price adjustment due to discounts offered in accordance with ITB Sub-Clause 14.4;
 - (d) adjustments due to the application of the evaluation criteria **specified in the BDS** from amongst those set out in Section III, Evaluation and Qualification Criteria;
 - (e) adjustments due to the application of a margin of preference, in accordance with ITB Clause 35 if applicable.
4. The Purchaser's evaluation of a bid will exclude and not take into account:
 - (a) In the case of Goods manufactured in the Purchaser's Country, sales and other similar taxes, which will be payable on the goods if a contract is awarded to the Bidder;
 - (b) in the case of Goods manufactured outside the Purchaser's Country, already imported or to be imported, customs duties and other import taxes levied on the imported Good, sales and other similar taxes, which will be payable on the Goods if the contract is awarded to the Bidder;
 - (c) any allowance for price adjustment during the period of execution of the contract, if provided in the bid.
5. The Purchaser's evaluation of a bid may require the consideration of other factors, in addition to the Bid Price quoted in accordance with ITB Clause 14. These factors may be related to the characteristics, performance, and terms and conditions of purchase of the Goods and Related Services. The effect of the factors selected, if any, shall be expressed in monetary terms to facilitate comparison of bids, unless otherwise specified in Section III, Evaluation and Qualification Criteria. The factors,

methodologies and criteria to be used shall be as specified in ITB 36.3 (d).

6. If so **specified in the BDS**, these Bidding Documents shall allow Bidders to quote separate prices for one or more lots, and shall allow the Purchaser to award one or multiple lots to more than one Bidder. The methodology of evaluation to determine the lowest-evaluated lot combinations, is specified in Section III, Evaluation and Qualification Criteria.

Comparison of Bids	1. The Purchaser shall compare all substantially responsive bids to determine the lowest-evaluated bid, in accordance with ITB Clause 36.
Postqualification of the Bidder	<ol style="list-style-type: none"> 1. The Purchaser shall determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated and substantially responsive bid is qualified to perform the Contract satisfactorily. 2. The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Clause 19. 3. An affirmative determination shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in disqualification of the bid, in which event the Purchaser shall proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.
Purchaser's Right to Accept Any Bid, and to Reject Any or All Bids	1. The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to Bidders.

Award of Contract

Award Criteria	1. The Purchaser shall award the Contract to the Bidder whose offer has been determined to be the lowest evaluated bid and is substantially responsive to the Bidding Documents, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.
Purchaser's Right to Vary Quantities at Time of Award	1. At the time the Contract is awarded, the Purchaser reserves the right to increase or decrease the quantity of Goods and Related Services originally specified in Section VI, Schedule of Requirements, provided this does not exceed the percentages specified in the BDS , and without any change in the unit prices or other terms and conditions of the bid and the Bidding Documents.

Notification of Award

1. Prior to the expiration of the period of bid validity, the Purchaser shall notify the successful Bidder, in writing, that its Bid has been accepted.
2. Until a formal Contract is prepared and executed, the notification of award shall constitute a binding Contract.
3. The Purchaser shall publish in UNDB online and in the dgMarket the results identifying the bid and lot numbers and the following information: (i) name of each Bidder who submitted a Bid; (ii) bid prices as read out at bid opening; (iii) name and evaluated prices of each Bid that was evaluated; (iv) name of bidders whose bids were rejected and the reasons for their rejection; and (v) name of the winning Bidder, and the price it offered, as well as the duration and summary scope of the contract awarded. After publication of the award, unsuccessful bidders may request in writing to the Purchaser for a debriefing seeking explanations on the grounds on which their bids were not selected. The Purchaser shall promptly respond in writing to any unsuccessful Bidder who, after Publication of contract award, requests a debriefing.
4. Upon the successful Bidder's furnishing of the signed Contract Form and performance security pursuant to ITB Clause 44, the Purchaser will promptly notify each unsuccessful Bidder and will discharge its bid security, pursuant to ITB Clause 21.4.

**Signing of
Contract**

1. Promptly after notification, the Purchaser shall send the successful Bidder the Agreement and the Special Conditions of Contract.
2. Within twenty-eight (28) days of receipt of the Agreement, the successful Bidder shall sign, date, and return it to the Purchaser.
3. Notwithstanding ITB 43.2 above, in case signing of the Contract Agreement is prevented by any export restrictions attributable to the Purchaser, to the country of the Purchaser, or to the use of the products/goods, systems or services to be supplied, where such export restrictions arise from trade regulations from a country supplying those products/goods, systems or services, the Bidder shall not be bound by its bid, always provided, always provided, however, that the Bidder can demonstrate to the satisfaction of the Purchaser and of the Client that signing of the Contract Agreement has not been prevented by any lack of diligence on the part of the Bidder in completing any formalities, including applying for permits, authorizations and licenses necessary for the export of the products/goods, systems or services under the terms of the Contract.

**Performance
Security**

1. Within twenty eight (28) days of the receipt of notification of award from the Purchaser, the successful Bidder, if required, shall furnish the Performance Security in accordance with the GCC, using for that purpose the Performance Security Form included in Section IX Contract forms, or another Form acceptable to the Purchaser. The Purchaser shall promptly notify the name of the winning Bidder to each unsuccessful Bidder and discharge the Bid Securities of the unsuccessful bidders pursuant to ITB Sub-Clause 21.4.
2. Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security or execution of the Bid-Securing Declaration. In that event the Purchaser may award the Contract to the next lowest evaluated Bidder, whose offer is substantially responsive and is determined by the Purchaser to be qualified to perform the Contract satisfactorily.

Section II. Bidding Data Sheet (BDS)

The following specific data for the goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

ITB Clause Reference	A. General
ITB 1.1	The Purchaser is: Model Customs Collectorate (MCC), Preventive, Karachi
ITB 1.1	<p>The name and identification number of the ICB are: Procurement of Patrolling Boats by Pakistan Customs under ICB/2015</p> <p>The number, identification and names of the lots comprising this ICB are: <i>[insert number; list the lots and related Goods]</i></p>
ITB 2.1	The name of the Project is: Procurement of Patrolling Boats for Pakistan Customs
ITB 4.3-4.4	A list of debarred firms is available at http://www.ppra.org.pk , or at http://www.worldbank.org/debarr .
	B. Contents of Bidding Documents

ITB 7.1	<p>For <u>Clarification of bid purposes</u> only, the Purchaser's address is: <i>Attention: Mr. Tariq Huda, Collector, MCC Preventive, Karachi; 6th Floor, Custom House, Karachi.</i></p> <p>Address: Eduljee Dinshaw Road, Karachi adjacent to the Karachi Port Trust Building, Kharadar, Karachi</p> <p>City: <i>Karachi</i></p> <p>ZIP Code:</p> <p>Country: <i>Pakistan</i></p> <p>Telephone: 021-992-14168</p> <p>Facsimile number: 021-992-14234</p> <p>Electronic mail address: tariq.huda@fbr.gov.pk</p>
	C. Preparation of Bids
ITB 10.1	The language of the bid is: <i>English</i>
ITB 11.1 (h)	The Bidder shall submit the following additional documents in its bid: <i>refer to the documents requirement in Section 14 of the Technical Specifications and the firm evaluation section of the evaluation criteria for the complete list of documents which are to be submitted at the time of the bid submission</i>
ITB 13.1	Alternative Bids <i>shall not be</i> considered.
ITB 14.5	The Incoterms edition is: <i>Incoterms 2010.</i>
ITB 14.6 (b) (i) and (c) (iii)	Place of Destination: <i>Karachi Port</i>
ITB 14.6 (a) (iii);(b)(ii) and (c)(v)	"Final destination (Project Site)": <i>Karachi Port</i>
ITB 14.6 (b) (iii)	In addition to the CIP price specified in ITB 14.6 (b)(i), the price of the Goods manufactured outside the Purchaser's Country shall be quoted: <i>Not Applicable</i>

ITB 14.7	The prices quoted by the Bidder <i>shall not</i> be adjustable. If prices are adjustable, the methodology is specified in Section III Evaluation and Qualification Criteria.
ITB 14.8	Prices quoted for each lot shall correspond at least to <i>100 %</i> of the items specified for each lot. Prices quoted for each item of a lot shall correspond at least to <i>90%</i> percent of the quantities specified for this item of a lot.
ITB 15.1	The Bidder <i>is</i> required to quote in the currency of the Purchaser's Country the portion of the bid price that corresponds to expenditures incurred in that currency.
ITB 18.3	Period of time the Goods are expected to be functioning (for the purpose of spare parts): <i>30 days</i>
ITB 19.1 (a)	Manufacturer's Authorization is: <i>required at the time of bid opening</i>
ITB 19.1 (b)	After sales service is: <i>required</i>
ITB 20.1	The bid validity period shall be <i>90 days</i> .
ITB 21.1	Bid shall include a Bid Security in the form of readily encashable financial instrument.
ITB 21.2	The amount of the Bid Security shall be: <i>2%</i> of the bid price
ITB 21.7	If the Bidder incurs any of the actions prescribed in subparagraphs (a) or (b) of this provision, the Purchaser will declare the Bidder ineligible to be awarded contracts by the Purchaser for a period of <i>2 years</i> .
ITB 22.1	In addition to the original of the bid, the number of copies is: <i>01 copies (in print) + 01 CD (in MSWord form)</i>
	D. Submission and Opening of Bids
ITB 23.1	Bidders <i>shall not</i> have the option of submitting their bids electronically.

ITB 23.1 (b)	If bidders shall have the option of submitting their bids electronically, the electronic bidding submission procedures shall be: <i>Not Applicable</i>
ITB 23.2 (c)	The inner and outer envelopes shall bear the following additional identification marks: Procurement of Patrolling Boats by Pakistan Customs under ICB/2015
ITB 24.1	<p>For bid submission purposes, the Purchaser's address is:</p> <p>Attention: <i>Moazzam Raza, DC Preventive (Secretary to Bid Evaluation Committee)</i></p> <p>Address: Custom House, Ediljee Dinshaw Road, Kharadar, Karachi</p> <p>Floor-Room number: 5th Floor, Custom House, Karachi.</p> <p>City: <i>Karachi</i></p> <p>ZIP Code: <i>75580</i></p> <p>Country: <i>Pakistan</i></p> <p>The deadline for the submission of bids is:</p> <p>Date: 25th March, 2016</p> <p>Time: 11 am.</p>
ITB 27.1	<p>The bid opening shall take place at:</p> <p>Street Address: Custom House, Ediljee Dinshaw Road, Kharadar, Karachi</p> <p>Floor/ Room number: Conference Room, 5th Floor, Custom House, Ediljee Dinshaw Road, Kharadar, Karachi</p> <p>City: <i>Karachi</i></p> <p>Country: <i>Pakistan</i></p> <p>Date: 25th March, 2017</p> <p>Time: 11.30 am</p>
ITB 27.1	If electronic bid submission is permitted in accordance with ITB sub-clause 23.1, the specific bid opening procedures shall be: <i>Not Applicable</i>
	E. Evaluation and Comparison of Bids

ITB 34.1	<p>Bid prices expressed in different currencies shall be converted in: US\$</p> <p>The source of exchange rate shall be: <i>State Bank of Pakistan</i></p> <p>The date for the exchange rate shall be <i>bid submission date</i></p>
ITB 35.1	Domestic preference <i>shall not</i> be a bid evaluation factor.
ITB 36.3(a)	<p>Evaluation will be done under Merit Point Evaluation Contracting Method wherein highest-ranking firm will be lowest evaluated responsive bidder or the Most Economically Advantageous Bidder for contract award.</p> <p><i>If a Price Schedule shows items listed but not priced, their prices shall be assumed to be included in the prices of other items.</i></p>
ITB 36.3(d)	<p>The adjustments shall be determined using the following criteria, from amongst those set out in Section III, Evaluation and Qualification Criteria:</p> <ul style="list-style-type: none"> (a) Deviation in Delivery schedule: No. (b) Deviation in payment schedule: No (c) the cost of major replacement components, mandatory spare parts, and service: No – To be covered under 1 years warranty. The bidder is required to maintain an inventory of spare parts for three years. (d) the availability in the Purchaser’s Country of spare parts and after-sales services for the equipment offered in the bid: Yes - Marks assigned to this criterion (e) the projected operating and maintenance costs during the life of the equipment: No (f) the performance and productivity of the equipment offered; No.
ITB 36.6	Bidders <i>shall not</i> be allowed to quote separate prices for one or more lots.
F. Award of Contract	
ITB 41.1	<p>The maximum percentage by which quantities may be increased is: 25%</p> <p>The maximum percentage by which quantities may be decreased is: 25%</p>

Section III. Evaluation and Qualification Criteria

Attention: The bidders/Solution Providers must carefully read the instructions in the **Bid Data Sheet (BDS) in Section-I, Evaluation Criteria in Section-II & Special Conditions of Contract (SCC) in Section-III** of Standard Bidding Documents to submit the requisite documents / disclosures / information in the sequence indicated in the Evaluation Criteria as per their Serial Number below and must place the said documents by creating corresponding sections in their Technical Proposals for evaluation purpose. Non-compliance to the stated instruction may lead to undue delay in completing the evaluation process and may lead to their technical disqualification.

* Failure to achieve the Product qualification threshold will render the bidder technically disqualified.

Marks (Merit Points)						
A. Product Evaluation						70
1	Conformance Specifications (Technology Compliance)					30
	Criteria Description	Ref. §	100% Compliance	1-10% Deviation	11-20% Deviation	Remarks
(a)	Main Engines	4.5, 8.1 & 8.2	Mandatory Requirement. Non-submission of the said certification will render the bidder technically disqualified.			
(b)	Gearbox	4.5 & 8.3	Mandatory Requirement. Non-submission of the said certification will render the bidder technically disqualified.			
(c)	Means of Propulsion	4.5 & 8.4	6	5.4	4.8	
(d)	Monitoring & Control Systems	8.5 & 8.8.3	4	3.6	3.2	
(e)	Instrumentation	8.8	3	2.7	2.4	
(f)	Steering	8.6	2	1.8	1.6	
(g)	Exhaust System	8.10	2	1.8	1.6	
(h)	Gen Set	8.11	4	3.6	3.2	
(i)	Auxiliary Systems	8.12	3	2.7	2.4	
(j)	Radar	7.8.1.1 & 10.13.1	3	2.7	2.4	
(k)	Echo-sounder	10.13.2	1	0.9	0.8	
(l)	VHF Radio	10.13.6	2	1.8	1.6	
Total Required to Qualify						24

2		Performance Specifications (Functional Compliance)			40	
	Criteria Description	Ref. §	100% Compliance	1-10% Deviation	11-20% Deviation	Remarks
(a)	Proven Design	3.1	Mandatory Requirement. Non-submission of the said certification will render the bidder technically disqualified.			
(b)	Hull	4 & 6	Mandatory Requirement. Non-submission of the said certification will render the bidder technically disqualified.			
(c)	L _{OA}	3.3.1	2	1.8	1.6	
(d)	Cursing Speed	3.3.5	2	1.8	1.6	
(e)	Max speed	3.3.6	2	1.8	1.6	
(f)	Class Notation	3.3.7	Mandatory Requirement. Non-submission of the said certification will render the bidder technically disqualified.			
(g)	Buoyancy (Reserved)	4.1.3	Mandatory Requirement. Non-submission of the said certification will render the bidder technically disqualified.			
(h)	Sea State	4.1.4	Mandatory Requirement. Non-submission of the said certification will render the bidder technically disqualified.			
(i)	Deck	4.2	2	1.8	1.6	
(j)	Accommodations	4.7, 7.1	3	2.7	2.4	
(k)	Safety & Fire Control Equipment	11	4	3.6	3.2	
(l)	Visibility	4.3.1	2	1.8	1.6	
(m)	Endurance	4.6	6	5.4	4.8	
(n)	Fuel Tank	4.6.2 & 8.9	3	2.7	2.4	
(o)	Fresh Water Tank Capacity	4.6.3	3	2.7	2.4	
(p)	Life Span	4.8	5	4.5	4	
(q)	Superstructure Profile	4.8.3	2	1.8	1.6	
(r)	Weapon Mounts	7.5	Mandatory Requirement. Non-submission of the said certification will render the bidder technically disqualified.			
(s)	Anchor & Cable	7.6	2	1.8	1.6	
(t)	Mooring Arrangement	7.7	2	1.8	1.6	
Total Required to Qualify						32

B. Industrial Standards and Certifications			
Industrial Standards and Certifications			
(a)	Criteria Description	Ref. §	Remarks
(b)	Materials Certificates	5.1	Mandatory Requirement. Non-submission of the said certification will render the bidder technically disqualified.
(c)	Equipment Certificates	5.1	Mandatory Requirement. Non-submission of the said certification will render the bidder technically disqualified.
(c)	Complete Certification at the time of Delivery	14.4	Mandatory Requirement. Non-Submission of the said certification will render the bidder technical disqualified.
(d)	Dock Trials	5.4.1	Mandatory Requirement. Non-submission of the said certification will render the bidder technically disqualified.
(e)	Sea Trials	5.4.2	Mandatory Requirement. Non-submission of the said certification will render the bidder technically disqualified.

C. Firm Evaluation			
4	Warranty, Maintenance & other Operational Requirements		
	Criteria Description	Ref. §	Remarks
(a)	Delivery time		Mandatory Requirement. Non-submission of the said certification will render the bidder technically disqualified.
(b)	Spare Parts	13	On board spare parts as per guidelines of Classification Society and statutory requirements must be provided
(c)	Documentation	14	Mandatory Requirement. Non-submission of the said certification will render the bidder technically disqualified.
(d)	1 year warranty on the manufacturing and workmanship of the hull		Mandatory Requirement. Non-submission of the said certification will render the bidder technically disqualified.

(e)	1 year warranty on the propulsion and electric work, including the generators		Mandatory Requirement. Non-submission of the said certification will render the bidder technically disqualified.
(f)	1 year warranty on all installed equipment		Mandatory Requirement. Non-submission of the said certification will render the bidder technically disqualified.
5	Financial & Market Position		
(a)	Audited Financial Statements for last 3 years		Mandatory Requirement. Non-submission of the said certification will render the bidder technically disqualified.
(b)	Market Presence during last 5 years		Mandatory Requirement. Non-submission of the said certification will render the bidder technically disqualified.
(c)	Orders placed by enforcement clients over the past five years		Mandatory Requirement. Non-submission of the said certification will render the bidder technically disqualified.
(d)	Certification of satisfaction from three enforcement clients		Mandatory Requirement. Non-submission of the said certification will render the bidder technically disqualified.
(e)	Liquidity statement of at least US\$2 million		Mandatory Requirement. Non-submission of the said certification will render the bidder technically disqualified.
(f)	Documentation showing the minimum turnover of US\$ 10 million annually		Mandatory Requirement. Non-submission of the said certification will render the bidder technically disqualified.

Technical Evaluation Criteria (70 Marks):

Total Marks in Technical Evaluation Criteria: **70**
Qualifying Percentage in Technical Criteria: **80%**
Qualifying Marks: **56**

Financial Evaluation (30 Marks)

S #	Parameters	Total Marks: 30
	<p>The formula to calculate the marks for the price submitted is:</p> <p>[Lowest Price (Fm)/Price of Proposal under consideration (F)] x100 x 0.30.</p> <p>This is based on the following equation:</p> $B \equiv \frac{C_{low}}{C} X + \frac{T}{T_{high}} (1 - X)$ <p>where</p> <p>C = Evaluated Bid Price</p> <p>C_{low} = the lowest of all Evaluated Bid Prices among responsive bids</p> <p>T = the total Technical Score awarded to the bid</p> <p>T_{high} = the Technical Score achieved by the bid that was scored highest among all responsive bids</p> <p>X = weight for the Price as specified in the BDS.</p>	

Total Marks (Technical Evaluation + Financial Evaluation): 100

Section IV. Bidding Forms

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Bidder Information Form

[The Bidder shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date: *[insert date (as day, month and year) of Bid Submission]*

ICB No.: *[insert number of bidding process]*

Page _____ of _____ pages

1. Bidder's Legal Name <i>[insert Bidder's legal name]</i>
2. In case of JV, legal name of each party: <i>[insert legal name of each party in JV]</i>
3. Bidder's actual or intended Country of Registration: <i>[insert actual or intended Country of Registration]</i>
4. Bidder's Year of Registration: <i>[insert Bidder's year of registration]</i>
5. Bidder's Legal Address in Country of Registration: <i>[insert Bidder's legal address in country of registration]</i>
6. Bidder's Authorized Representative Information Name: <i>[insert Authorized Representative's name]</i> Address: <i>[insert Authorized Representative's Address]</i> Telephone/Fax numbers: <i>[insert Authorized Representative's telephone/fax numbers]</i> Email Address: <i>[insert Authorized Representative's email address]</i>
7. Attached are copies of original documents of: <i>[check the box(es) of the attached original documents]</i> <input type="checkbox"/> Articles of Incorporation or Registration of firm named in 1, above, in accordance with ITB Sub-Clauses 4.1 and 4.2. <input type="checkbox"/> In case of JV, letter of intent to form JV or JV agreement, in accordance with ITB Sub-Clause 4.1. <input type="checkbox"/> In case of government owned entity from the Purchaser's country, documents establishing legal and financial autonomy and compliance with commercial law, in accordance with ITB Sub-Clause 4.5.

Joint Venture Partner Information Form

[The Bidder shall fill in this Form in accordance with the instructions indicated below].

Date: *[insert date (as day, month and year) of Bid Submission]*

ICB No.: *[insert number of bidding process]*

Page _____ of _____ pages

1. Bidder's Legal Name: <i>[insert Bidder's legal name]</i>
2. JV's Party legal name: <i>[insert JV's Party legal name]</i>
3. JV's Party Country of Registration: <i>[insert JV's Party country of registration]</i>
4. JV's Party Year of Registration: <i>[insert JV's Party year of registration]</i>
5. JV's Party Legal Address in Country of Registration: <i>[insert JV's Party legal address in country of registration]</i>
6. JV's Party Authorized Representative Information Name: <i>[insert name of JV's Party authorized representative]</i> Address: <i>[insert address of JV's Party authorized representative]</i> Telephone/Fax numbers: <i>[insert telephone/fax numbers of JV's Party authorized representative]</i> Email Address: <i>[insert email address of JV's Party authorized representative]</i>
7. Attached are copies of original documents of: <i>[check the box(es) of the attached original documents]</i> <input type="checkbox"/> Articles of Incorporation or Registration of firm named in 2, above, in accordance with ITB Sub-Clauses 4.1 and 4.2. <input type="checkbox"/> In case of government owned entity from the Purchaser's country, documents establishing legal and financial autonomy and compliance with commercial law, in accordance with ITB Sub-Clause 4.5.

Bid Submission Form

[The Bidder shall fill in this Form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date: *[insert date (as day, month and year) of Bid Submission]*

ICB No.: *[insert number of bidding process]*

Invitation for Bid No.: *[insert No of IFB]*

Alternative No.: *[insert identification No if this is a Bid for an alternative]*

To: *[insert complete name of Purchaser]*

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda No.: _____ *[insert the number and issuing date of each Addenda];*
- (b) We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods and Related Services _____ *[insert a brief description of the Goods and Related Services];*
- (c) The total price of our Bid, excluding any discounts offered in item (d) below, is: _____ *[insert the total bid price in words and figures, indicating the various amounts and the respective currencies];*
- (d) The discounts offered and the methodology for their application are:

Discounts. If our bid is accepted, the following discounts shall apply. _____ *[Specify in detail each discount offered and the specific item of the Schedule of Requirements to which it applies.]*

Methodology of Application of the Discounts. The discounts shall be applied using the following method: _____ *[Specify in detail the method that shall be used to apply the discounts];*

- (e) Our bid shall be valid for the period of time specified in ITB Sub-Clause 20.1, from the date fixed for the bid submission deadline in accordance with ITB Sub-Clause 24.1, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (f) If our bid is accepted, we commit to obtain a performance security in accordance with ITB Clause 44 and GCC Clause 18 for the due performance of the Contract;
- (g) We, including any subcontractors or suppliers for any part of the contract, have nationality from eligible countries _____ *[insert the nationality of the Bidder, including that of all parties that comprise the Bidder, if the Bidder is a JV, and the nationality each subcontractor and supplier]*
- (h) We have no conflict of interest in accordance with ITB Sub-Clause 4.2;

- (i) Our firm, its affiliates or subsidiaries—including any subcontractors or suppliers for any part of the contract—has not been declared ineligible by the Client, under the Purchaser’s country laws or official regulations, in accordance with ITB Sub-Clause 4.3;
- (j) The following commissions, gratuities, or fees have been paid or are to be paid with respect to the bidding process or execution of the Contract: *[insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid and the amount and currency of each such commission or gratuity]*

Name of Recipient	Address	Reason	Amount
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

(If none has been paid or is to be paid, indicate “none.”)

- (k) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed.
- (l) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Signed: _____ *[insert signature of person whose name and capacity are shown]*
In the capacity of _____ *[insert legal capacity of person signing the Bid Submission Form]*

Name: _____ *[insert complete name of person signing the Bid Submission Form]*

Duly authorized to sign the bid for and on behalf of: _____ *[insert complete name of Bidder]*

Dated on _____ day of _____, _____ *[insert date of signing]*

Price Schedule Forms

*[The Bidder shall fill in these Price Schedule Forms in accordance with the instructions indicated. The list of line items in column 1 of the **Price Schedules** shall coincide with the List of Goods and Related Services specified by the Purchaser in the Schedule of Requirements.]*

Price Schedule: Goods Manufactured Outside the Purchaser's Country, to be Imported

(Group C bids, goods to be imported) Currencies in accordance with ITB Sub-Clause 15							Date: _____ ICB No: _____ Alternative No: _____ Page N° _____ of _____	
1	2	3	4	5	6	7	8	9
Line Item N°	Description of Goods	Country of Origin	Delivery Date as defined by Incoterms	Quantity and physical unit	Unit price CIP <i>[insert place of destination]</i> in accordance with ITB 14.6(b)(i)	CIP Price per line item (Col. 5x6)	Price per line item for inland transportation and other services required in the Purchaser's country to convey the Goods to their final destination specified in BDS	Total Price per Line item (Col. 7+8)
<i>[insert number of the item]</i>	<i>[insert name of good]</i>	<i>[insert country of origin of the Good]</i>	<i>[insert quoted Delivery Date]</i>	<i>[insert number of units to be supplied and name of the physical unit]</i>	<i>[insert unit price CIP per unit]</i>	<i>[insert total CIP price per line item]</i>	<i>[insert the corresponding price per line item]</i>	<i>[insert total price of the line item]</i>
							Total Price	

Name of Bidder *[insert complete name of Bidder]* Signature of Bidder *[signature of person signing the Bid]* Date *[Insert Date]*

Price Schedule: Goods Manufactured Outside the Purchaser's Country, already imported

(Not Applicable) (Group C bids, Goods already imported) Currencies in accordance with ITB Sub-Clause 15										Date: _____ ICB No: _____ Alternative No: _____ Page N° _____ of _____	
1	2	3	4	5	6	7	8	9	10	11	12
Line Item N°	Description of Goods	Country of Origin	Delivery Date as defined by Incoterms	Quantity and physical unit	Unit price including Custom Duties and Import Taxes paid, in accordance with ITB 14.6(c)(i)	Custom Duties and Import Taxes paid per unit in accordance with ITB 14.6(c)(ii), [to be supported by documents]	Unit Price net of custom duties and import taxes, in accordance with ITB 14.6(c)(iii) (Col. 6 minus Col.7)	Price per line item net of Custom Duties and Import Taxes paid, in accordance with ITB 14.6(c)(i) (Col. 5-8)	Price per line item for inland transportation and other services required in the Purchaser's country to convey the goods to their final destination, as specified in BDS in accordance with ITB 14.6(c)(v)	Sales and other taxes paid or payable per item if Contract is awarded (in accordance with ITB 14.6(c)(iv))	Total Price per line item (Col. 9+10)
[insert number of the item]	[insert name of Goods]	[insert country of origin of the Good]	[insert quoted Delivery Date]	[insert number of units to be supplied and name of the physical unit]	[insert unit price per unit]	[insert custom duties and taxes paid per unit]	[insert unit price net of custom duties and import taxes]	[insert price per line item net of custom duties and import taxes]	[insert price per line item for inland transportation and other services required in the Purchaser's country]	[insert sales and other taxes payable per item if Contract is awarded]	[insert total price per line item]
										Total Bid Price	

Name of Bidder [insert complete name of Bidder] Signature of Bidder [signature of person signing the Bid] Date [insert date]

Price Schedule: Goods Manufactured in the Purchaser's Country

Purchaser's Country _____ (Group A and B bids) Currencies in accordance with ITB Sub-Clause 15								Date: _____ ICB No: _____ Alternative No: _____ Page N° _____ of _____	
1	2	3	4	5	6	7	8	9	10
Line Item N°	Description of Goods	Delivery Date as defined by Incoterms	Quantity and physical unit	Unit price EXW	Total EXW price per line item (Col. 4-5)	Price per line item for inland transportation and other services required in the Purchaser's Country to convey the Goods to their final destination	Cost of local labor, raw materials and components from within the Purchaser's Country % of Col. 5	Sales and other taxes payable per line item if Contract is awarded (in accordance with ITB 14.6(a)(ii))	Total Price per line item (Col. 6+7)
<i>[insert number of the item]</i>	<i>[insert name of Good]</i>	<i>[insert quoted Delivery Date]</i>	<i>[insert number of units to be supplied and name of the physical unit]</i>	<i>[insert EXW unit price]</i>	<i>[insert total EXW price per line item]</i>	<i>[insert the corresponding price per line item]</i>	<i>[Insert cost of local labor, raw material and components from within the Purchase's country as a % of the EXW price per line item]</i>	<i>[insert sales and other taxes payable per line item if Contract is awarded]</i>	<i>[insert total price per item]</i>
Total Price									

Name of Bidder *[insert complete name of Bidder]* Signature of Bidder *[signature of person signing the Bid]* Date *[insert date]*

Price and Completion Schedule - Related Services

Currencies in accordance with ITB Sub-Clause 15					Date: _____ ICB No: _____ Alternative No: _____ Page N° _____ of _____	
1	2	3	4	5	6	7
Service N°	Description of Services (excludes inland transportation and other services required in the Purchaser's country to convey the goods to their final destination)	Country of Origin	Delivery Date at place of Final destination	Quantity and physical unit	Unit price	Total Price per Service (Col. 5*6 or estimate)
<i>[insert number of the Service]</i>	<i>[insert name of Services]</i>	<i>[insert country of origin of the Services]</i>	<i>[insert delivery date at place of final destination per Service]</i>	<i>[insert number of units to be supplied and name of the physical unit]</i>	<i>[insert unit price per item]</i>	<i>[insert total price per item]</i>
Total Bid Price						

Name of Bidder *[insert complete name of Bidder]* Signature of Bidder *[signature of person signing the Bid]* Date *[insert date]*

Bid Security (Client Guarantee)

[The Client shall fill in this Client Guarantee Form in accordance with the instructions indicated.]

[Client's Name, and Address of Issuing Branch or Office]

Beneficiary: _____ *[Name and Address of Purchaser]*

Date: _____

BID GUARANTEE No.: _____

We have been informed that *[name of the Bidder]* (hereinafter called "the Bidder") has submitted to you its bid dated (hereinafter called "the Bid") for the execution of *[name of contract]* under Invitation for Bids No. *[IFB number]* ("the IFB").

Furthermore, we understand that, according to your conditions, bids must be supported by a bid guarantee.

At the request of the Bidder, we *[name of Client]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *[amount in figures]* (*[amount in words]*) upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder:

- (a) has withdrawn its Bid during the period of bid validity specified by the Bidder in the Form of Bid; or
- (b) having been notified of the acceptance of its Bid by the Purchaser during the period of bid validity, (i) fails or refuses to execute the Contract Form; or (ii) fails or refuses to furnish the performance security, if required, in accordance with the Instructions to Bidders.

This guarantee will expire: (a) if the Bidder is the successful bidder, upon our receipt of copies of the contract signed by the Bidder and the performance security issued to you upon the instruction of the Bidder; or (b) if the Bidder is not the successful bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder of

the name of the successful bidder; or (ii) twenty-eight days after the expiration of the Bidder's Bid.

Consequently, any demand for payment under this guarantee must be received by us at the office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458.

[signature(s)]

Bid Security (Bid Bond)

[The Surety shall fill in this Bid Bond Form in accordance with the instructions indicated.]

BOND NO. _____

BY THIS BOND *[name of Bidder]* as Principal (hereinafter called “the Principal”), and *[name, legal title, and address of surety]*, **authorized to transact business in** *[name of country of Purchaser]*, as Surety (hereinafter called “the Surety”), are held and firmly bound unto *[name of Purchaser]* as Obligee (hereinafter called “the Purchaser”) in the sum of *[amount of Bond]*¹ *[amount in words]*, for the payment of which sum, well and truly to be made, we, the said Principal and Surety, bind ourselves, our successors and assigns, jointly and severally, firmly by these presents.

WHEREAS the Principal has submitted a written Bid to the Purchaser dated the ____ day of _____, 20__, for the construction of *[name of Contract]* (hereinafter called the “Bid”).

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that if the Principal:

- (a) withdraws its Bid during the period of bid validity specified in the Form of Bid; or
- (b) having been notified of the acceptance of its Bid by the Purchaser during the period of Bid validity; (i) fails or refuses to execute the Contract Form; or (ii) fails or refuses to furnish the Performance Security, if required, in accordance with the Instructions to Bidders.

then the Surety undertakes to immediately pay to the Purchaser up to the above amount upon receipt of the Purchaser’s first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser shall state that the demand arises from the occurrence of any of the above events, specifying which event(s) has occurred.

The Surety hereby agrees that its obligation will remain in full force and effect up to and including the date 28 days after the date of expiration of the Bid validity as stated in the Invitation to Bid or extended by the Purchaser at any time prior to this date, notice of which extension(s) to the Surety being hereby waived.

IN TESTIMONY WHEREOF, the Principal and the Surety have caused these presents to be executed in their respective names this ____ day of _____ 20__.

Principal: _____ Surety: _____
Corporate Seal (where appropriate)

(Signature)
(Printed name and title)

(Signature)
(Printed name and title)

¹ The amount of the Bond shall be denominated in the currency of the Purchaser’s country or the equivalent amount in a freely convertible currency.

Bid-Securing Declaration

[The Bidder shall fill in this Form in accordance with the instructions indicated.]

Date: *[date (as day, month and year)]*

Bid No.: *[number of bidding process]*

Alternative No.: *[identification No if this is a Bid for an alternative]*

To: *[complete name of Purchaser]*

We, the undersigned, declare that:

We understand that, according to your conditions, bids must be supported by a Bid-Securing Declaration.

We accept that we will automatically be suspended from being eligible for bidding in any contract with the Purchaser for the period of time of *[number of months or years]* starting on *[date]*, if we are in breach of our obligation(s) under the bid conditions, because we:

- (a) have withdrawn our Bid during the period of bid validity specified in the Form of Bid; or
- (b) having been notified of the acceptance of our Bid by the Purchaser during the period of bid validity, (i) fail or refuse to execute the Contract; or (ii) fail or refuse to furnish the Performance Security, if required, in accordance with the ITB.

We understand this Bid Securing Declaration shall expire if we are not the successful Bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful Bidder; or (ii) twenty-eight days after the expiration of our Bid.

Signed: *[signature of person whose name and capacity are shown]* In the capacity of *[legal capacity of person signing the Bid Securing Declaration]*

Name: *[complete name of person signing the Bid Securing Declaration]*

Duly authorized to sign the bid for and on behalf of: *[complete name of Bidder]*

Dated on _____ day of _____, _____ *[date of signing]*
Corporate Seal (where appropriate)

[Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid.]

Manufacturer's Authorization

*[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The Bidder shall include it in its bid, if so indicated in the **BDS**.]*

Date: *[insert date (as day, month and year) of Bid Submission]*

ICB No.: *[insert number of bidding process]*

Alternative No.: *[insert identification No if this is a Bid for an alternative]*

To: *[insert complete name of Purchaser]*

WHEREAS

We *[insert complete name of Manufacturer]*, who are official manufacturers of *[insert type of goods manufactured]*, having factories at *[insert full address of Manufacturer's factories]*, do hereby authorize *[insert complete name of Bidder]* to submit a bid the purpose of which is to provide the following Goods, manufactured by us *[insert name and or brief description of the Goods]*, and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 28 of the General Conditions of Contract, with respect to the Goods offered by the above firm.

Signed: *[insert signature(s) of authorized representative(s) of the Manufacturer]*

Name: *[insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title: *[insert title]*

Dated on _____ day of _____, _____ *[insert date of signing]*

Section V. Eligible Countries

Eligibility for the Provision of Goods, Works and Services in Client-Financed Procurement

1. In accordance with Para 1.8 of the Guidelines: Procurement under IBRD Loans and IDA Credits, dated May 2004, the Client permits firms and individuals from all countries to offer goods, works and services for Client-financed projects. As an exception, firms of a Country or goods manufactured in a Country may be excluded if:

Para 1.8 (a) (i): as a matter of law or official regulation, the Borrower's Country prohibits commercial relations with that Country, provided that the Client is satisfied that such exclusion does not preclude effective competition for the supply of the Goods or Works required, or

Para 1.8 (a) (ii): by an Act of Compliance with a Decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, the Borrower's Country prohibits any import of goods from that Country or any payments to persons or entities in that Country.

2. For the information of bidders, at the present time firms, goods and services from the following countries are excluded from this bidding:

(a) With reference to paragraph 1.8 (a) (i) of the Guidelines:

(b) With reference to paragraph 1.8 (a) (ii) of the Guidelines:

3. All eligible countries except Israel, and other countries against which UN Security Council's sanctions are in force.

PART 2 – Supply Requirements

Section VI. Schedule of Requirements

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Notes for Preparing the Schedule of Requirements

The Schedule of Requirements shall be included in the bidding documents by the Purchaser, and shall cover, at a minimum, a description of the goods and services to be supplied and the delivery schedule.

The objective of the Schedule of Requirements is to provide sufficient information to enable bidders to prepare their bids efficiently and accurately, in particular, the Price Schedule, for which a form is provided in Section IV. In addition, the Schedule of Requirements, together with the Price Schedule, should serve as a basis in the event of quantity variation at the time of award of contract pursuant to ITB Clause 41.

The date or period for delivery should be carefully specified, taking into account (a) the implications of delivery terms stipulated in the Instructions to Bidders pursuant to the *Incoterms* rules (i.e., EXW, or CIF, CIP, FOB, FCA terms—that “delivery” takes place when goods are delivered **to the carriers**), and (b) the date prescribed herein from which the Purchaser’s delivery obligations start (i.e., notice of award, contract signature, opening or confirmation of the letter of credit).

1. List of Goods and Delivery Schedule

[The Purchaser shall fill in this table, with the exception of the column “Bidder’s offered Delivery date” to be filled by the Bidder]

Line Item N°	Description of Goods	Quantity	Physical unit	Final (Project Site) Destination as specified in BDS	Delivery (as per Incoterms) Date		
					Earliest Delivery Date	Latest Delivery Date	Bidder’s offered Delivery date <i>[to be provided by the bidder]</i>
<i>[insert item No]</i>	<i>[insert description of Goods]</i>	<i>[insert quantity of item to be supplied]</i>	<i>[insert physical unit for the quantity]</i>	<i>[insert place of Delivery]</i>	<i>[insert the number of days following the date of effectiveness the Contract]</i>	<i>[insert the number of days following the date of effectiveness the Contract]</i>	<i>[insert the number of days following the date of effectiveness the Contract]</i>

2. List of Related Services and Completion Schedule

[This table shall be filled in by the Purchaser. The Required Completion Dates should be realistic, and consistent with the required Goods Delivery Dates (as per Incoterms)]

Service	Description of Service	Quantity¹	Physical Unit	Place where Services shall be performed	Final Completion Date(s) of Services
<i>[insert Service No]</i>	<i>[insert description of Related Services]</i>	<i>[insert quantity of items to be supplied]</i>	<i>[insert physical unit for the items]</i>	<i>[insert name of the Place]</i>	<i>[insert required Completion Date(s)]</i>

1. If applicable

3. Technical Specifications

for

Patrolling Boats to be Purchased by Pakistan Customs

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2.1. The specification is intended to describe the construction of four (4) Coastal Patrol Boats, completely outfitted and equipped as detailed in this specification. The Vessels are to be built in accordance with good building practice and comply with the requirements of the Classification Society.....	57
2.2. Each boat shall be a day/ night surveillance and investigation vessel, operating in shallow waters, within the jurisdiction of 12nm from the Coast Line, in and around Makran Coast of Pakistan.	59
2.3. The boat shall be highly seaworthy, unsinkable type (having 10% reserve buoyancy even when filled with water) and shall be able to sustain operation up to sea state 4 in open sea and also in breaking sea waves near the coast while in shallow water.	61
2.4. The boat shall have propulsion, power generation, life saving & ballistic protection and other engineering and electrical systems to carry out safe and reliable operation to perform the following functions.	63
2.4.1. Undertake nearby coastal patrol independently.	65
2.4.2. Investigate suspected vessels in/ near harbor/ anchorage in line with customs safeguarding duties.....	67
2.4.3. Participate in counter-smuggling and counter-narcotics operations and engage in combat when necessary.....	70
2.5. While the functions and equipment requirements have been indicated herein after, they are not exhaustive and any item not specifically mentioned in this specification but functionally necessary for this type and size of vessels would also be required to be supplied by the BUILDER.	73
3. Principal Particulars of Patrol Boats	73
3.1. The Patrol boats shall be high-speed crafts of proven design, as detailed in the subsequent sections.	73
3.2. The Construction of the Patrol Boats shall be governed by Lloyd’s Register Rules for High Speed Crafts, or the Rules of an equivalent Classification Society, IACS member.	74
3.2.1. In respect of Stability “The Workboat Code, Industry Working Group Technical Standard endorsed by Maritime & Coastguard Agency”, or respective British Standards or US Coast Guard Rules can be adhered. Error! Bookmark not defined.	

- 3.3. The main dimensions of the boats shall be the following, with seven per cent (7%) acceptable deviation, unless otherwise specified.**Error! Bookmark not defined.**
- 3.3.1. Length Over All (LOA) :
..... 13.00 to 14.5 m
..... **Error! Bookmark not defined.**
- 3.3.2. Beam (Bmld) – moulded..... : 3
to 4 m **Error! Bookmark not defined.**
- 3.3.3. Draft (d) – design/ maximum..... : As
per design **Error! Bookmark not defined.**
- 3.3.4. Displacement - Full Load..... : As
per design load **Error! Bookmark not defined.**
- 3.3.5. Speed – service / cruising speed : 25
to 30 knots **Error! Bookmark not defined.**
- 3.3.6. Max Speed – full throttle..... : 35
to 40 knots (half load) **Error! Bookmark not defined.**
- 3.3.7. Class Notation ✕
100A1 SSC Patrol Mono HSC G3 **Error! Bookmark not defined.**

4. Design Principles **Error! Bookmark not defined.**

- 4.1. The hull should be planning type with hard chine, with increased statical stability and reduced rolling motions for reliable performance in open seas. It should have long planning area and optimum dead rise angle.**Error! Bookmark not defined.**
- 4.1.1. Hull shall be rigid..... **Error! Bookmark not defined.**
- 4.1.2. Hull has to be proven with existing boats in use with similar role. **Error! Bookmark not defined.**
- 4.1.3. It should be fitted with sufficient buoyancy to provide a minimum ten per cent (10%) reserve when fully swamped. **Error! Bookmark not defined.**
- 4.1.4. It should sustain operations at maximum Sea State 4 and in breaking sea waves near the coast while in shallow water. ... **Error! Bookmark not defined.**
- 4.2. Deck shall be self draining;**Error! Bookmark not defined.**
- 4.3. The accommodation should be fully enclosed, with two exits for safety.**Error! Bookmark not defined.**
- 4.3.1. Wheelhouse shall have windows all around for visibility and antiballistic protection in three sides to prevent injuries.**Error! Bookmark not defined.**
- 4.3.2. The ballistic protection shall be minimally suitable to withstand a threat of an AK47 assault rifle, using ball round (non- armor piercing) at 10m range, Class BR5 of EN1063:1999..... **Error! Bookmark not defined.**
- 4.4. Structure for the boats shall be Aluminium Alloy Marine Grade or Fibre Reinforced Plastic (FRP)**Error! Bookmark not defined.**
- 4.4.1. The Vessels shall be built in accordance with good building practice and in compliance with the requirements of the Classification Society. ... **Error! Bookmark not defined.**
- 4.5. Propulsion should be twin installation of inboard engines connected to either surface piercing system or waterjets through gearbox, as required.**Error! Bookmark not defined.**
- 4.5.1. Measures for protecting the propellers or waterjets during operations in shallow and murky waters have to be considered.**Error! Bookmark not defined.**
- 4.6. The vessel shall stay at sea and carry
out patrolling for 18 hours at service speed with maximum range of 500 nautical miles with full complement and reserve fuel upon return of twenty-five per cent (25%).
.....**Error! Bookmark not defined.**

- 4.6.1. Vessel should be able to operate at maximum speed for continuous 1 hour at a stretch in any 12 hours cycle. **Error! Bookmark not defined.**
- 4.6.2. Builder is called upon to estimate the required fuel to ensure the aforementioned range and reserved capacity. **Error! Bookmark not defined.**
- 4.6.3. The patrol boats should have a Fresh Water Tank of minimum one hundred fifty liters (150lt) for domestic use. **Error! Bookmark not defined.**
- 4.7. Accommodation should be provided for four (4) crew members and additional twelve (12) passengers, totaling in sixteen (16) persons in full complement – minimum requirement. **Error! Bookmark not defined.**
- 4.8. The Vessels shall have a life span of 20 years and operation for 10 years, without need for major repairs except on account of normal wear and tear, allowing for 1800 running hours of average annual usage. **Error! Bookmark not defined.**
 - 4.8.1. The manning, operating and maintenance cost shall be low and the infrastructure support requirements shall be simple, so that these can be attended to economically. **Error! Bookmark not defined.**
 - 4.8.2. Equipment supplied should be new and the items fitted on board the vessel shall bear all relevant guarantee certificates along with date of manufacture. Date of purchase is to be indicated on the certificate. **Error! Bookmark not defined.**
 - 4.8.3. The superstructure shall be designed for reducing wind drag and silhouette profile. The upper and side deck layout / fitting, craft-side and interior arrangements shall facilitate easy boarding operations and keep crew fatigue within acceptable parameters. **Error! Bookmark not defined.**

5. Inspection and Test Procedures..... **Error! Bookmark not defined.**

- 5.1. The materials should be tested and/ or certified by the Classification Society and relevant authorities as per Class Rules and/ or International Standards. **Error! Bookmark not defined.**
- 5.2. A quality plan (Inspection & Test Plan) must be prepared by the builder and agreed upon with Pakistani Customs in the initial stages of the contract. **Error! Bookmark not defined.**
- 5.3. The builder should arrange for the relevant Class inspections and certifications as required. **Error! Bookmark not defined.**
- 5.4. The trials are to be conducted in builder yard in accordance with standard trials program and to the satisfaction of the Surveying Authority. Speed runs shall be undertaken with half stores, freshwater and fuel oil tanks half filled and with all people on board and should be witnessed by the owner or his representative, shall consist of: **Error! Bookmark not defined.**
 - 5.4.1. Dock trials: **Error! Bookmark not defined.**
 - 5.4.1.1. Weighing test..... **Error! Bookmark not defined.**
 - 5.4.1.2. Inclining experiment **Error! Bookmark not defined.**
 - 5.4.1.3. Lowering/Hoisting trials **Error! Bookmark not defined.**
 - 5.4.1.4. Mooring trials **Error! Bookmark not defined.**
 - 5.4.1.5. Boat systems..... **Error! Bookmark not defined.**
 - 5.4.1.6. Electrical loadtest **Error! Bookmark not defined.**
 - 5.4.1.7. Ventilation test..... **Error! Bookmark not defined.**

- 5.4.2. Sea Trials:..... **Error! Bookmark not defined.**
- 5.4.2.1. Fuel consumption trials (only for first of the vessel)**Error! Bookmark not defined.**
- 5.4.2.2. Speed trials **Error! Bookmark not defined.**
- 5.4.2.3. Range/Endurance trials **Error! Bookmark not defined.**
- 5.4.2.4. Performance trials (turning, zig-zag etc.)**Error! Bookmark not defined.**
- 5.4.2.5. Maneuvering, astern & crash stop trials **Error! Bookmark not defined.**
- 5.5. For boats tested at the builder's region, the trials should be validated in local waters except stability trial. Trials will be run in up to sea state 2. Wind strength, water and air temperatures and barometer readings are to be recorded. **Error! Bookmark not defined.**
- 5.6. Ballistic Test report on sample material should be provided from approved testing facility for the first boat. **Error! Bookmark not defined.**
- 6. Construction and Workmanship Error! Bookmark not defined.**
- 6.1. All materials used in the construction of the hull, machinery, hull fittings, deck auxiliaries, equipment and the various systems should conform to accepted International Standards. **Error! Bookmark not defined.**
- 6.1.1. Aluminium alloys used shall be of marine grade and approved by the Classification Society. **Error! Bookmark not defined.**
- 6.1.1.1. Builder Facilities and shaping methods have to comply with Classification Society's Rules. **Error! Bookmark not defined.**
- 6.1.1.2. Welding Procedures and Welders have to be approved by Class, as required by Classification Society's Rules. ... **Error! Bookmark not defined.**
- 6.1.2. In case of Fibre Reinforced Plastic materials, namely plastic construction of the vessels, materials and fabrication should comply with Classification Societies rules for this application with respective certificates.**Error! Bookmark not defined.**
- 6.1.2.1. Composite Structure should be verified with respective destructive tests and in line with Classification Society's Rules.**Error! Bookmark not defined.**
- 6.1.2.2. Construction shall take place as per Classification Society requirements, under controlled conditions of temperature and humidity.**Error! Bookmark not defined.**
- 6.1.3. Stainless Steel shall be of 304 or 316 grade, with respective certification.**Error! Bookmark not defined.**
- 6.1.4. Naval Brass shall conform with BS EN 12165:1998 & BS EN 12420:1999. **Error! Bookmark not defined.**
- 6.1.5. Gunmetal Materials for all gunmetal castings is to conform to BS EN 1982:1999 specification G1-C. **Error! Bookmark not defined.**
- 6.1.6. In case of wood applications, quality marine plywood shall be used conforming to International standards. **Error! Bookmark not defined.**

- 6.1.7. Fittings and fasteners should be Stainless Steel, unless other material is suitable for a particular application. **Error! Bookmark not defined.**
- 6.1.8. Piping must be of non-corrosive material and fitted with valves where appropriate as per class requirement. **Error! Bookmark not defined.**
- 6.2. Workmanship shall be first class in conformity with accepted norms of Naval Architecture and marine engineering/ electrical engineering practices and to be to the satisfaction of the Classification Society. **Error! Bookmark not defined.**
- 6.3. In respect of construction practices, the following will be adhered. **Error! Bookmark not defined.**
 - 6.3.1. All notices, tally plates, labels, nameplates and instruction plates must be written in English. **Error! Bookmark not defined.**
 - 6.3.2. All instruments must be metric calibration and the temperatures shall be in degrees Celsius. **Error! Bookmark not defined.**
 - 6.3.3. Pipe systems must be identified by colored stripes at appropriate positions. The colors used shall be in accordance with accepted practice and appropriate standards. **Error! Bookmark not defined.**
 - 6.3.4. All necessary guards, splash-plates, casings, handrails, etc. required for the safety of personnel and protection of equipment, shall be provided. **Error! Bookmark not defined.**
 - 6.3.5. All iron and steelwork should be hot dip galvanized, the galvanizing being carefully and smoothly executed and not cooled in water. Exceptions may be made to the galvanized finish when iron and steel fittings require machining to standard limits. **Error! Bookmark not defined.**
 - 6.3.6. Sealants and Stopping must be of an approved marine composition. **Error! Bookmark not defined.**
 - 6.3.7. Particular care has to be taken in the design to avoid conditions leading to galvanic corrosion of dissimilar metals.. **Error! Bookmark not defined.**

7. Accommodation & Deck Fittings..... **Error! Bookmark not defined.**

- 7.1. Accommodation should have the following compartments. **Error! Bookmark not defined.**
 - 7.1.1. The Wheelhouse shall accommodate at least all members of the crew, furnished with adequate shock-absorbent seating. **Error! Bookmark not defined.**
 - 7.1.1.1. Captain should have the ability to choose between seated and standing position, as well as moving the pilot seat longitudinally; **Error! Bookmark not defined.**
 - 7.1.1.2. Navigation Console and Chart table; **Error! Bookmark not defined.**
 - 7.1.1.3. Stowage space shall be provided for the armaments and crew stores; **Error! Bookmark not defined.**
 - 7.1.1.4. Wheelhouse should be fitted with ballistic armor, in the three (3) sides, excluding aft, as determined in paragraph 4.3.2. Windows should also provide ballistic protection; **Error! Bookmark not defined.**
 - 7.1.1.5. One (1) wall clock; **Error! Bookmark not defined.**
 - 7.1.2. The accommodation space, accommodating seated at least six (6) passengers. **Error! Bookmark not defined.**

- 7.1.2.1. This compartment should provide the possibility of four (4) full length bunks, in lieu of the seating arrangements.**Error! Bookmark not defined.**
- 7.1.2.2. Locker s and dressers should be available for the complement. **Error! Bookmark not defined.**
- 7.1.2.3. One (1) wall clock; **Error! Bookmark not defined.**
- 7.1.3. A pantry equipped with the following amenities. . **Error! Bookmark not defined.**
- 7.1.3.1. 230V Electric, Range/ cooking oven with 2 induction hot plates; **Error! Bookmark not defined.**
- 7.1.3.2. Sink, single bowl set into bench top; ... **Error! Bookmark not defined.**
- 7.1.3.3. Pressu rized water with tap; **Error! Bookmark not defined.**
- 7.1.3.4. Cup- boards & Shelving; **Error! Bookmark not defined.**
- 7.1.3.5. Fridge with a freezer; **Error! Bookmark not defined.**
- 7.1.4. A bathroom fitted with at least the items listed below.**Error! Bookmark not defined.**
- 7.1.4.1. Water closet (manual head); **Error! Bookmark not defined.**
- 7.1.4.2. Washb asin; **Error! Bookmark not defined.**
- 7.1.5. Seated arrangement in the exterior deck, preferably at the back, should be provided for the remaining complement. **Error! Bookmark not defined.**
- 7.1.5.1. Provisi on for seats with safety belts and shock absorption should be considered. **Error! Bookmark not defined.**
- 7.2. Marine watertight doors approved by Classification Society made to national / international standards should be used.**Error! Bookmark not defined.**
- 7.2.1. In the aft bulkhead of the Wheelhouse, weathertight door can be accepted as it is a sheltered side. It should have a window in the upper part for visibility. **Error! Bookmark not defined.**
- 7.3. Marine watertight hatches approved by Classification Society made to national / international standards should be used. Engine room shall be provided with flush type maintenance hatches, approved by Classification Society.**Error! Bookmark not defined.**
- 7.4. Suitable number of pantograph windscreen wipers with water jets for the forward window of the wheelhouse should be provided.....**Error! Bookmark not defined.**
- 7.5. Two (2) weapon mounts should be fitted, one in the fore deck of the vessel with provision of 225 degrees operation and one in the back, with provision of 180 degrees operation.**Error! Bookmark not defined.**
- 7.5.1. Deck should be locally reinforced to accommodate a firearm (LMG type) and have stowage area in the proximity..... **Error! Bookmark not defined.**
- 7.5.2. The person operating the firearm should be in either a recessed position or provided with rotating shield for protection and be safely fastened in standing position..... **Error! Bookmark not defined.**

- 7.6. A suitable anchor should be fitted in the forepeak compartment with adequate chain and rope for the safe anchorage of the boats. A second anchor for spare should be added.
.....**Error! Bookmark not defined.**
- 7.6.1. A bow roller should be considered. **Error! Bookmark not defined.**
- 7.6.2. Anchors, cables and ropes to be in line with Classification Society's Rules.
..... **Error! Bookmark not defined.**
- 7.6.3. Chain Locker should be adequate to fit the anchors, chain and rope, equipped with a safety link for the anchor's cable. **Error! Bookmark not defined.**
- 7.7. Six (6) bollards should be fitted, permitting aft, side and fore mooring on either side, depending the requirements of the operation. ...**Error! Bookmark not defined.**
- 7.7.1. Towing Bollards should be provided, in case the boat needs to be towed, or in case it is towing a smaller craft. **Error! Bookmark not defined.**
- 7.8. A mast, removable for maintenance purposes, should be on top of the Wheelhouse to support navigation lights and antennas.....**Error! Bookmark not defined.**
- 7.8.1.1. A radar reflector should be added on the mast.**Error! Bookmark not defined.**
- 7.9. Hoisting slings of tested strength to be supplied.**Error! Bookmark not defined.**
- 8. Propulsion, Machinery & Console Controls..... Error! Bookmark not defined.**
- 8.1. The propulsion package should include twin installation of inboard marine diesel engines, Caterpillar make or MTU make or equivalent, both with electronic control, having maximum continuous rating for local weather conditions.**Error! Bookmark not defined.**
- 8.2. Main engines along with manufacturers' recommended mounting arrangement to reduce vibrations and adequately enclosed to reduce noise with heat exchanged cooling, 24 volt DC starting, should be provided. Proof of availability of prompt service and spares for at least twenty (20) years for the Main Engines, should be provided. Main engines should meet IMO emission standards. **Error! Bookmark not defined.**
- 8.2.1. Main engines shall be located so as to facilitate easy removal for maintenance/repair. Engine room layout shall ensure accessibility for routine maintenance to engine and gearbox, oil dipstick, filters, battery, generator, electric switches, fuses etc. Efficient bilge drainage shall be provided with all areas sloping into a sump, and with location for stowage of oil, distilled water and tools. **Error! Bookmark not defined.**
- 8.2.2. Output shall be specified in kW and BHP. Lubricating oil temperature parameters in tropical working conditions and MCR Rating both before and after lubricating oil cooler shall be confirmed from engine manufacturers/principals and reflected in Technical Specifications. Engine cooling system arrangements shall conform to Engine manufacturers' instructions. **Error! Bookmark not defined.**
- 8.2.3. Fuel consumption shall be identified by the tenderer in maximum, service and economical speed. **Error! Bookmark not defined.**
- 8.3. Gearbox, preferably Twin-Disc, as required.**Error! Bookmark not defined.**
- 8.4. Propulsion package should be either with surface piercing system or waterjets. . **Error! Bookmark not defined.**
- 8.4.1. Complimentary equipment, such as carden shafts, bearings etc. shall be of reputable make, furnished with respective type approval certificates for their use. **Error! Bookmark not defined.**
- 8.4.2. As it will normally be required to operate in shallow waters and areas where fishing nets are frequently found, the Stern Gear should be fully protected

against fouling to prevent damage. Waterjets shall be protected by means of grating to avoid suction of foreign objects.**Error! Bookmark not defined.**

- 8.5. Integrated facility for comprehensive monitoring and control of all machinery and navigational equipment in the wheelhouse, main engine and steering control from wheelhouse shall be provided.....**Error! Bookmark not defined.**
 - 8.5.1. Single station remote controls for both Port and Starboard Main Engine shall be provided in the Wheelhouse..... **Error! Bookmark not defined.**
 - 8.5.2. Levers controlling engine speed and ahead/astern selection for each engine, shall be arranged for remote operation in the Wheelhouse.**Error! Bookmark not defined.**
- 8.6. Hydraulic steering allowing very good manoeuvrability and performance across pre- planning and planning speed shall be provided.....**Error! Bookmark not defined.**
 - 8.6.1. Remote control for steering, forward, reverse and neutral, and engine start/stop shall be provided in the Wheelhouse. **Error! Bookmark not defined.**
- 8.7. The patrol boats should be equipped with all machinery and essential fittings / accessories required for smooth running.**Error! Bookmark not defined.**
- 8.8. Instrumentation.....**Error! Bookmark not defined.**
 - 8.8.1. All gauges shall be fitted with back up (integrated) lighting and instrument panels shall be watertight. Dimmer facility for instrument back-up light should be provided..... **Error! Bookmark not defined.**
 - 8.8.2. Essential machinery instrumentation and 'AVA' at control position shall include: **Error! Bookmark not defined.**
 - 8.8.2.1. Tacho meter; **Error! Bookmark not defined.**
 - 8.8.2.2. Engine oil pressure alarm and trip; **Error! Bookmark not defined.**
 - 8.8.2.3. Engine oil temperature alarm; **Error! Bookmark not defined.**
 - 8.8.2.4. Engine water temperature alarm and trip;**Error! Bookmark not defined.**
 - 8.8.2.5. Gearb ox oil pressure alarm; **Error! Bookmark not defined.**
 - 8.8.2.6. Gearb ox oil temperature alarm; **Error! Bookmark not defined.**
 - 8.8.2.7. Emerg ency main engine stop; **Error! Bookmark not defined.**
 - 8.8.2.8. Over speed trip mechanism; **Error! Bookmark not defined.**
 - 8.8.3. Monitoring and Control Systems in Wheel House:**Error! Bookmark not defined.**
 - 8.8.3.1. Engine start / stop push buttons; **Error! Bookmark not defined.**
 - 8.8.3.2. Warni ng system circulatory check push button with indication; ..**Error! Bookmark not defined.**
 - 8.8.3.3. Stop auto indication for lub. oil pressure, F.W. temperature and overspeed; **Error! Bookmark not defined.**
 - 8.8.3.4. Lub oil pressure gauges for engines and gearbox;**Error! Bookmark not defined.**

- 8.8.3.5. F.W.
temperature gauges with audiovisual alarm;**Error! Bookmark not defined.**
- 8.8.3.6. RPM
gauge and hour counter for main engines;. **Error! Bookmark not defined.**
- 8.8.3.7. Amme
ters indicating battery charging / load current;**Error! Bookmark not defined.**
- 8.8.3.8. Voltm
eter indicating battery voltage; ... **Error! Bookmark not defined.**
- 8.8.3.9. Heel
and trim indicator; **Error! Bookmark not defined.**
- 8.8.3.10. Auxili
ary generator RPM Indicator, Lubricating Oil pressure and temperature;
..... **Error! Bookmark not defined.**
- 8.8.3.11. Air
conditioning system start / stop control indicators panel; ... **Error!
Bookmark not defined.**
- 8.8.3.12. Steerin
g and trim position indicating gauge;**Error! Bookmark not defined.**
- 8.8.3.13. Exhau
st temperature gauge; **Error! Bookmark not defined.**
- 8.8.3.14. Coolin
g sea water pressure gauge; **Error! Bookmark not defined.**
- 8.8.3.15. Lamp
test;..... **Error! Bookmark not defined.**
- 8.9. An independent Fuel Tank of the required capacity to meet the range shall be provided, with the following specification.**Error! Bookmark not defined.**
- 8.9.1. The tank is to have suitable inspection manhole, filling point on deck, drainage valve and suction line with valves for each engine that include water filter separator. **Error! Bookmark not defined.**
- 8.9.2. Manual sounding facility with calibration chart should be provided for the tank. All pipelines and fittings shall be of Copper/GM respectively. Fuel shut off valve with remote control shall be provided.**Error! Bookmark not defined.**
- 8.9.3. The tank should be tested as per Classification Society's requirements.**Error! Bookmark not defined.**
- 8.10. Exhaust installations for the main engines system shall be 'wet type' systems. All exhaust systems should be of stainless steel, with required risers, drains, and have flexible sections to accommodate engine vibration. Each engine exhausts independently through hull exhaust outlets shall provided in the transom. The exhaust pipes shall be adequately insulated.**Error! Bookmark not defined.**
- 8.10.1. A silencer must be fitted in each exhaust run within the Machinery Space.
..... **Error! Bookmark not defined.**
- 8.11. An auxiliary Generator of capacity as required to meet the total power requirement including lighting and air conditioning with at least 20% reserve capacity, must be provided.
.....**Error! Bookmark not defined.**
- 8.11.1. The installation of the Generating set is to be in an acoustic box (canopy) supplied by the manufacturer. **Error! Bookmark not defined.**

- 8.12. All other auxiliary machinery equipment required for the normal operation of the boats, including but not limited to, fuel, water and bilge pumps, etc. shall be provided.
.....**Error! Bookmark not defined.**
- 8.13. In consideration of habitability inside the boat, sound insulation should be considered for the machinery spaces, above waterline with the builder's proposal.**Error! Bookmark not defined.**

9. Systems..... Error! Bookmark not defined.

- 9.1. The following System should be considered for the normal operation of the boats.**Error! Bookmark not defined.**

- 9.1.1. Fresh Water System, to provide water in the WC and screenwash system;
..... **Error! Bookmark not defined.**
- 9.1.1.1. Apart from the fresh water tank specified, a reverse osmosis desalinator to produce potable water of capacity approximately 30 liters / hour to be installed. **Error! Bookmark not defined.**
- 9.1.2. Grey Water System to accommodate the washbasin, water closet in the WC and pantry sink. **Error! Bookmark not defined.**
- 9.1.2.1. A suitable sewage tank should be considered, with arrangements for its contents' discharge; **Error! Bookmark not defined.**
- 9.1.2.2. Connection for an alternative route overboard, with appropriate safety measures, should be integrated;.. **Error! Bookmark not defined.**
- 9.1.3. Bilge shall protect the vessels from flooding. Classification Society's Rules and Builder's good practice should determine requirements.**Error! Bookmark not defined.**
- 9.1.4. Deck Wash and Fire System provide assistance in case of fire and on daily requirements for washing the deck. **Error! Bookmark not defined.**
- 9.1.4.1. One (1) water nozzle should be fitted in the exterior deck and suitable water hose should be available onboard, of adequate length.**Error! Bookmark not defined.**

- 9.2. Accommodation Spaces should be air conditioned, maintaining 21degrees Celcius temperature in local weather conditions.**Error! Bookmark not defined.**

- 9.2.1. Ambient Temperature : up to 45° C **Error! Bookmark not defined.**
- 9.2.2. Relative Humidity :95% **Error! Bookmark not defined.**
- 9.2.3. Sea Water Temperature..... : up to 32° C **Error! Bookmark not defined.**

- 9.3. Machinery Spaces should be adequately ventilated.**Error! Bookmark not defined.**

- 9.3.1. Mechanical ventilation with forced intake, along with natural ventilation is acceptable. **Error! Bookmark not defined.**
- 9.3.2. All ventilation opening should have means preventing water ingress.**Error! Bookmark not defined.**
- 9.3.3. Fire Dampers and/ or Flaps are to be fitted in the ventilation inlets and outlets. **Error! Bookmark not defined.**
- 9.3.3.1. Locally operated Fire dampers are acceptable.**Error! Bookmark not defined.**

- 9.3.4. Means to ventilate the WC should also be considered.**Error! Bookmark not defined.**
- 9.4. Cathodic protection, adequate for the structure and underwater components of the vessels should be provided, where are required.**Error! Bookmark not defined.**
- 9.5. Fire Detection and Control System should be installed, in line with International Standards requirements.**Error! Bookmark not defined.**
- 10. Electrical, Electronic & Navigation Equipment..... Error! Bookmark not defined.**
- 10.1. The following electrical Supply is required:**Error! Bookmark not defined.**
- 10.1.1. 230Volt, Single Phase, 50Hz, AC system;**Error! Bookmark not defined.**
- 10.1.2. 24Volt, DC System **Error! Bookmark not defined.**
- 10.2. All equipment and wiring shall comply with Classification Society's requirements.**Error! Bookmark not defined.**
- 10.3. All wiring is required to be carried in cable tray/ trunking and /or conduit as per standard boat building practice.**Error! Bookmark not defined.**
- 10.4. All engines' wiring shall be in proprietary cable and should be adequately protected from mechanical damage and substantially clipped. The wiring should run in a path to avoid contact or proximity to high temperature surfaces of the engine.**Error! Bookmark not defined.**
- 10.5. Main switchboard shall be located in the Wheelhouse, furnished with required circuit breakers and isolation switches.....**Error! Bookmark not defined.**
- 10.6. Batteries, quantity to be determined in line with load requirements, should be enclosed in battery boxes with waterproof lids and acid resistant lining. **Error! Bookmark not defined.**
- 10.6.1. Selector switch should be provided so each engine can be started by either battery..... **Error! Bookmark not defined.**
- 10.7. One (1) shore power inlet shall be fitted externally of the accommodation.**Error! Bookmark not defined.**
- 10.8. One (1) battery charger should be fitted, wired into the system to charge multiple batteries simultaneously, compatible with selected generator and furnished with remote display.**Error! Bookmark not defined.**
- 10.9. Fluorescent lights shall be fitted in the interior of the accommodation.**Error! Bookmark not defined.**
- 10.10. Navigation Lights should comply with International Regulations for Preventing Collision at sea and be controlled by switches in the Wheelhouse.**Error! Bookmark not defined.**
- 10.11. A search-light suitable for patrol boats should be provided.**Error! Bookmark not defined.**
- 10.12. Three (3) flood lights looking to sides and rear of roof overhang; **Error! Bookmark not defined.**
- 10.13. Power Outlets should be considered in the interior of the Accommodation.**Error! Bookmark not defined.**
- 10.14. The following navigational and communications' equipment has to be considered.**Error! Bookmark not defined.**
- 10.14.1. A high resolution radar with range of 48 nm with dome antenna, latest model; **Error! Bookmark not defined.**
- 10.14.2. Auto-Pilot system steering system; **Error! Bookmark not defined.**
- 10.14.3. An echo-sounder of reputed make; **Error! Bookmark not defined.**
- 10.14.4. One (1) magnetic compass, operational at high speeds**Error! Bookmark not defined.**
- 10.14.5. A loud hailer fitted on the Wheelhouse top;**Error! Bookmark not defined.**
- 10.14.6. An electric whistle/ Horn; **Error! Bookmark not defined.**
- 10.14.7. A multichannel marine VHF Radio; **Error! Bookmark not defined.**

11. Safety Equipment & Considerations, Fire Control EquipmentError! Bookmark not defined.

- 11.1. Life saving appliances as per the Statutory requirements for the Craft shall be provided.
Stowage space shall be provided for life jackets and mounting brackets for life buoys.
.....**Error! Bookmark not defined.**
 - 11.1.1. Two (2) Liferafts, exceeding the total complement capacity by twenty-five per cent (25%) should be included;..... **Error! Bookmark not defined.**
 - 11.1.2. Lifejackets bulletproof for the crew should be included;**Error! Bookmark not defined.**
- 11.2. Adequate Handrails and guard rails should be fitted throughout the accommodation and Main deck to ensure the safe passage of the crew and passengers.**Error! Bookmark not defined.**
- 11.3. Fire Extinguishers and Fire control Equipment to be in line with Statutory Requirements.
Stowage to be provided for the Fireman equipment and mounting brackets for the fire extinguishers.....**Error! Bookmark not defined.**

12. Painting and Finishes..... Error! Bookmark not defined.

- 12.1. Below the waterline, appropriate antifouling system, in line with the latest requirements for environmental consideration, should be added. **Error! Bookmark not defined.**
- 12.2. Deck should be non slip painted.....**Error! Bookmark not defined.**
- 12.3. Exterior and interior colors to be agreed with the owner before construction. **Error! Bookmark not defined.**
- 12.4. Signs - Plates - Markings as required by Classification Society should be provided.**Error! Bookmark not defined.**
- 12.5. The vessel's name shall be marked on the transom, port side. The vessel's Port of Registry shall be marked on the transom, starboard side.**Error! Bookmark not defined.**
- 12.6. Draft Marks to be added as per Classification Society's Requirements.**Error! Bookmark not defined.**

13. Spare Parts..... Error! Bookmark not defined.

- 13.1. On board spare parts as per manufacturers recommendation and guidelines of Classification society & statutory requirements shall be provided.**Error! Bookmark not defined.**
- 13.2. One set of tools should be supplied for routine on-board maintenance including but not limited to the following. Manufacturer to advise additional requirements, in line with past experience.**Error! Bookmark not defined.**
 - 13.2.1. Open spanner set - One **Error! Bookmark not defined.**
 - 13.2.2. Socket spanner set - One **Error! Bookmark not defined.**
 - 13.2.3. Torque spanner set - One **Error! Bookmark not defined.**
 - 13.2.4. Feeler gauge - One **Error! Bookmark not defined.**
 - 13.2.5. Screw driver sets - Two..... **Error! Bookmark not defined.**
 - 13.2.6. Allen key set - One..... **Error! Bookmark not defined.**
 - 13.2.7. T-handle set - One..... **Error! Bookmark not defined.**
 - 13.2.8. Electrical repair tool kit – One **Error! Bookmark not defined.**

14. Documentation Error! Bookmark not defined.

- 14.1. All Design / Drawings as prescribed by Classification Society should be prepared by the Builder and approved by Classification Society / Owner.**Error! Bookmark not defined.**
- 14.2. All drawings, calculations, instruction manuals, service manuals and other test certificates / documentation of all equipment from manufacturers etc. in English language with as-

fitted drawing and certificate should be supplied in electronic format. **Error! Bookmark not defined.**

14.2.1. An indicative list of drawings is described below. **Error! Bookmark not defined.**

- 14.2.1.1. “As built” specification;..... **Error! Bookmark not defined.**
- 14.2.1.2. General arrangement; **Error! Bookmark not defined.**
- 14.2.1.3. Lines plan; **Error! Bookmark not defined.**
- 14.2.1.4. Capacity plan; **Error! Bookmark not defined.**
- 14.2.1.5. Stability Booklet; **Error! Bookmark not defined.**
- 14.2.1.6. Docking plan; **Error! Bookmark not defined.**
- 14.2.1.7. Hoisting arrangement plan; **Error! Bookmark not defined.**
- 14.2.1.8. Mid-ship section; **Error! Bookmark not defined.**
- 14.2.1.9. Profile and Deck plan; **Error! Bookmark not defined.**
- 14.2.1.10..... Bulkheads, Web Frames and Frames Section Plan;**Error! Bookmark not defined.**
- 14.2.1.11..... Construction Drawing of fuel and freshwater tank with fuel and F.W. tank calibration curves;**Error! Bookmark not defined.**
- 14.2.1.12..... Drain plug in tank; **Error! Bookmark not defined.**
- 14.2.1.13..... Construction drawing of all W.T. access including hatches, doors and windows and access ladders;..... **Error! Bookmark not defined.**
- 14.2.1.14..... Mast arrangement; **Error! Bookmark not defined.**
- 14.2.1.15..... Deck and Superstructure construction Profile including fixtures and fitments;.. **Error! Bookmark not defined.**
- 14.2.1.16..... Hull assembly plan (FRP) / Shell Expansion (Aluminium);**Error! Bookmark not defined.**
- 14.2.1.17..... Under water and stern fitting; **Error! Bookmark not defined.**
- 14.2.1.18..... Accommodation area arrangement; **Error! Bookmark not defined.**
- 14.2.1.19..... Arrangements in wheelhouse; **Error! Bookmark not defined.**
- 14.2.1.20..... Safety and Fire Control Plan;..... **Error! Bookmark not defined.**

14.2.1.21.....	Instruc tion for operating Life rafts and Life jackets; Error! Bookmark not defined.
14.2.1.22.....	Safety Radio Telephony certificate; Error! Bookmark not defined.
14.2.1.23.....	Compa ss certificate; Error! Bookmark not defined.
14.2.1.24.....	Moori ng arrangement; Error! Bookmark not defined.
14.2.1.25.....	Riggin g arrangement; Error! Bookmark not defined.
14.2.1.26.....	Insulat ion; Error! Bookmark not defined.
14.2.1.27.....	Windo ws and side light Arrangement; .. Error! Bookmark not defined.
14.2.1.28.....	Fire and Deck wash plan; Error! Bookmark not defined.
14.2.1.29.....	Exhau st (ventilation both mechanical and natural arrangement in machinery spaces and bathroom); Error! Bookmark not defined.
14.2.1.30.....	Schem atic drawing of WC and flushing system; . Error! Bookmark not defined.
14.2.1.31.....	Scupp ers and Discharges (skin opening); Error! Bookmark not defined.
14.2.1.32.....	Domes tic fresh water piping system; Error! Bookmark not defined.
14.2.1.33.....	Gray piping system; Error! Bookmark not defined.
14.2.1.34.....	Layout and installation drawings of surface piercing system and surface piercing hydraulic system or waterjets, as applicable; Error! Bookmark not defined.
14.2.1.35.....	Install ation plans and as fitted drawings of steering and hydraulic system; Error! Bookmark not defined.
14.2.1.36.....	Calibr ation data for machinery; Error! Bookmark not defined.
14.2.1.37.....	Air sounding and filling pipe; Error! Bookmark not defined.
14.2.1.38.....	Corros ion Protection & bonding system; Error! Bookmark not defined.
14.2.1.39.....	Engine seating drawing; Error! Bookmark not defined.
14.2.1.40.....	Install ation plan and as fitted drawing of propulsion and Auxiliary machinery Console arrangement, details in Wheelhouse instrument panel wiring diagram at local and other control positions; Error! Bookmark not defined.

- 14.2.1.41..... Engine Room layout and as fitted plan;.. **Error! Bookmark not defined.**
- 14.2.1.42..... Detail drawing of propulsion and shaft/ waterjets geometry;**Error! Bookmark not defined.**
- 14.2.1.43..... Detail drawing of propellers, propeller shaft, rope guard, stern gland, where applicable; **Error! Bookmark not defined.**
- 14.2.1.44..... Machinery piping arrangement;..... **Error! Bookmark not defined.**
- 14.2.1.45..... Installation and Protection plan for stern-gear and as fitted drawing for stern-gear; **Error! Bookmark not defined.**
- 14.2.1.46..... Engine Room mechanical ventilation arrangement;**Error! Bookmark not defined.**
- 14.2.1.47..... Installation plans and as fitted drawing of main engine and gearbox remote control system;.. **Error! Bookmark not defined.**
- 14.2.1.48..... Main engine holding down bolting arrangement;**Error! Bookmark not defined.**
- 14.2.1.49..... Equipment and gauges complete with installation details;**Error! Bookmark not defined.**
- 14.2.1.50..... Installation plan and as fitted drawing of bilge, fire-main system; **Error! Bookmark not defined.**
- 14.2.1.51..... Installation plan and as fitted drawing of fuel oil piping system and lubricating oil system;**Error! Bookmark not defined.**
- 14.2.1.52..... Installation plan and as fitted drawing of sea water cooling piping system and fresh water system;**Error! Bookmark not defined.**
- 14.2.1.53..... Control and alarms -Main switch board; **Error! Bookmark not defined.**
- 14.2.1.54..... Installation plans and as fitted drawing for electrical wiring and routine of operational and domestic system complete;. **Error! Bookmark not defined.**
- 14.2.1.55..... Electrical Plans;..... **Error! Bookmark not defined.**
- 14.3. Pakistani Customs must be provided with instruction books complete with spares lists, pamphlets and drawing from all suppliers, sub-contractors etc. Instruction book to contain detailed maintenance instructions, spares lists and operating instructions. Builder must also provide repair technical document for main engines, auxiliary machinery and generator.**Error! Bookmark not defined.**
- 14.4. The following certificates along with 2 sets of certified copies to be delivered together with crafts.**Error! Bookmark not defined.**
- 14.4.1. From the classification society **Error! Bookmark not defined.**

14.4.1.1.	Interi
m certificate of class –Hull;.....	Error! Bookmark not defined.
14.4.1.2.	Interi
m certificate of class-machinery along with	
manufacturers certificate;.....	Error! Bookmark not defined.
14.4.1.3.	Interi
m certificate of class-unmanned propulsion	
machinery space;	Error! Bookmark not defined.
14.4.1.4.	Certifi
cate for equipment;.....	Error! Bookmark not defined.
14.4.2. Sundry	Error! Bookmark not defined.
14.4.2.1.	Builde
rs certificate;.....	Error! Bookmark not defined.
14.4.2.2.	Ancho
r and chain cable certificate;.....	Error! Bookmark not defined.
14.4.2.3.	Warps
and mooring ropes certificates; ...	Error! Bookmark not defined.
14.4.2.4.	All
machinery and equipment certificate;	Error! Bookmark not defined.
14.4.3. Survey certificate for	Error! Bookmark not defined.
14.4.3.1.	Life
saving appliances;.....	Error! Bookmark not defined.
14.4.3.2.	Life-
rafts;.....	Error! Bookmark not defined.
14.4.3.3.	Fire
fighting equipment;	Error! Bookmark not defined.
14.4.3.4.	Naviga
tion lights;.....	Error! Bookmark not defined.
14.4.3.5.	Lifting
apparatus;.....	Error! Bookmark not defined.
14.4.3.6.	Deck
fittings;.....	Error! Bookmark not defined.

Technical Specifications **Error! Bookmark not defined.**

The following table summaries aforementioned technical aspects under review in this tender, indicating also the references paragraphs where details for the item can be found. The referenced paragraphs are not exhaustive and should be read in context of the whole build and common good boat building practice. **Error! Bookmark not defined.**

14.4.4. In case the main paragraph is identified, all included sub-paragraphs should be consulted..... **Error! Bookmark not defined.**

14.4.5. One paragraph may be describing more than one item. **Error! Bookmark not defined.**

1. The materials should be tested and/ or certified by the Classification Society and relevant authorities as per Class Rules and/ or International Standards. **Error! Bookmark not defined.**
2. A quality plan (Inspection & Test Plan) must be prepared by the builder and agreed upon with Pakistani Customs in the initial stages of the contract. **Error! Bookmark not defined.**
3. The builder should arrange for the relevant Class inspections and certifications as required. **Error! Bookmark not defined.**
4. The trials are to be conducted in builder yard in accordance with standard trials program and to the satisfaction of the Surveying Authority. Speed runs shall be undertaken with half

stores, freshwater and fuel oil tanks half filled and with all people on board and should be witnessed by the owner or his representative, shall consist of:**Error! Bookmark not defined.**

4.1. Dock trials: **Error! Bookmark not defined.**

4.1.1. Weighing test..... **Error! Bookmark not defined.**

4.1.2. Inclining experiment..... **Error! Bookmark not defined.**

4.1.3. Lowering/Hoisting trials **Error! Bookmark not defined.**

4.1.4. Mooring trials **Error! Bookmark not defined.**

4.1.5. Boat systems **Error! Bookmark not defined.**

4.1.6. Electrical loadtest **Error! Bookmark not defined.**

4.1.7. Ventilation test **Error! Bookmark not defined.**

4.2. Sea Trials: 115

4.2.1. Fuel consumption trials (only for first of the vessel) **116**

4.2.2. Speed trials **Error! Bookmark not defined.**

4.2.3. Range/Endurance trials **Error! Bookmark not defined.**

4.2.4. Performance trials (turning, zig-zag etc.). **Error! Bookmark not defined.**

4.2.5. Manoeuvring, astern & crash stop trials**Error! Bookmark not defined.**

5. For boats tested at the builder's region, the trials should be validated in local waters except stability trial. Trials will be run in up to sea state 2. Wind strength, water and air temperatures and barometer readings are to be recorded. **Error! Bookmark not defined.**

6. Ballistic Test report on sample material should be provided from approved testing facility for the first boat.....**Error! Bookmark not defined.**

7. All materials used in the construction of the hull, machinery, hull fittings, deck auxiliaries, equipment and the various systems should conform to accepted International Standards.**Error! Bookmark not defined.**

7.1. Aluminium alloys used shall be of marine grade and approved by the Classification Society. **Error! Bookmark not defined.**

7.1.1. Builder Facilities and shaping methods have to comply with Classification Society's Rules. **Error! Bookmark not defined.**

7.1.2. Welding Procedures and Welders have to be approved by Class, as required by Classification Society's Rules.**Error! Bookmark not defined.**

7.2. In case of Fibre Reinforced Plastic materials, namely plastic construction of the vessels, materials and fabrication should comply with Classification Societies rules for this application with respective certificates.**Error! Bookmark not defined.**

7.2.1. Composite Structure should be verified with respective destructive tests and in line with Classification Society's Rules.Error! Bookmark not defined.

7.2.2. Construction shall take place as per Classification Society requirements, under controlled conditions of temperature and humidity..... Error! Bookmark not defined.

7.3. Stainless Steel shall be of 304 or 316 grade, with respective certification.**Error! Bookmark not defined.**

7.4. Naval Brass shall conform with BS EN 12165:1998 & BS EN 12420:1999.
..... **Error! Bookmark not defined.**

7.5. Gunmetal Materials for all gunmetal castings is to conform to BS EN 1982:1999 specification G1-C..... **Error! Bookmark not defined.**

7.6. In case of wood applications, quality marine plywood shall be used conforming to International standards. **Error! Bookmark not defined.**

7.7. Fittings and fasteners should be Stainless Steel, unless other material is suitable for a particular application. **Error! Bookmark not defined.**

7.8. Piping must be of non-corrosive material and fitted with valves where appropriate as per class requirement. **Error! Bookmark not defined.**

8. Workmanship shall be first class in conformity with accepted norms of Naval Architecture and marine engineering/ electrical engineering practices and to be to the satisfaction of the Classification Society.**Error! Bookmark not defined.**

9. In respect of construction practices, the following will be adhered.**Error! Bookmark not defined.**

9.1. All notices, tally plates, labels, nameplates and instruction plates must be written in English..... **Error! Bookmark not defined.**

9.2. All instruments must be metric calibration and the temperatures shall be in degrees Celsius. **Error! Bookmark not defined.**

9.3. Pipe systems must be identified by colored stripes at appropriate positions. The colors used shall be in accordance with accepted practice and appropriate standards. **Error! Bookmark not defined.**

9.4. All necessary guards, splash-plates, casings, handrails, etc. required for the safety of personnel and protection of equipment, shall be provided.**Error! Bookmark not defined.**

9.5. All iron and steelwork should be hot dip galvanised, the galvanising being carefully and smoothly executed and not cooled in water. Exceptions may be made to the galvanised finish when iron and steel fittings require machining to standard limits. **Error! Bookmark not defined.**

9.6. Sealants and Stopping must be of an approved marine composition.**Error! Bookmark not defined.**

9.7. Particular care has to be taken in the design to avoid conditions leading to galvanic corrosion of dissimilar metals... **Error! Bookmark not defined.**

PART 3 - Contract Error! Bookmark not defined.

2. Objective

2.1. The specification is intended to describe the construction of four (4) Coastal Patrol Boats, completely outfitted and equipped as detailed in this specification. The Vessels are

to be built in accordance with good building practice and comply with the requirements of the Classification Society.

- 2.2. Each boat shall be a day/ night surveillance and investigation vessel, operating in Pakistan Customs waters, within the jurisdiction of 12nm from the Coast Line, in and around Makran and Sindh Coast of Pakistan.**
- 2.3. The boat shall be highly seaworthy, unsinkable type (having 10% reserve buoyancy even when filled with water) and shall be able to sustain operation up to sea state 4 in open sea and also in breaking sea waves near the coast while in shallow water and to withstand grounding damage.**
- 2.4. The boat shall have propulsion, power generation, life saving, and other engineering and electrical systems to carry out safe and reliable operation to perform the following functions.**
 - 2.4.1. Undertake nearby coastal patrol independently.**
 - 2.4.2. Investigate suspected vessels in/ near harbor/ anchorage in line with customs safeguarding duties.**
 - 2.4.3. Participate in counter-smuggling and counter-narcotics operations and engage in combat when necessary.**
- 2.5. While the functions and equipment requirements have been indicated herein after, they are not exhaustive and any item not specifically mentioned in this specification but functionally necessary for this type and size of vessels would also be required to be supplied by the BUILDER.**

3. Principal Particulars of Patrol Boats

3.1. The Patrol boats shall be high-speed crafts of proven design, as detailed in the subsequent sections.

3.2. The Construction of the Patrol Boats shall be governed by Lloyd's Register Rules for High Speed Crafts, or the Rules of an equivalent and recognized Classification Society, IACS member.

3.2.1. In respect of Stability “The Workboat Code, Industry Working Group Technical Standard endorsed by Maritime & Coastguard Agency”, or respective British Standards or US Coast Guard Rules can be adhered.

3.3. The main dimensions of the boats shall be the following.

3.3.1.	Length Over All (LOA)	:	13.00 to 14.5 m
3.3.2.	Beam (B _{mld}) – moulded	:	3 to 4 m
3.3.3.	Draft (d) – design/ <i>maximum</i>	:	As per design
3.3.4.	Displacement - Full Load	:	As per design load
3.3.5.	Speed – service / cruising speed	:	20 knots
3.3.6.	Speed – full throttle	:	30+ knots (half load)
3.3.7.	Class Notation	:	□ 100A1 SSC Patrol Mono HSC G3

4. Design Principles

4.1. The hull should be planning type with hard chine, with increased statical stability and reduced rolling motions for reliable performance in open seas. It should have long planning area and optimum deadrise angle.

4.1.1. Hull shall be rigid.

4.1.2. Hull has to be proven with existing boats in use with similar role.

4.1.3. It should be fitted with sufficient buoyancy to provide a minimum ten per cent (10%) reserve when fully swamped.

4.1.4. It should sustain operations at maximum Sea State 4 and in breaking sea waves near the coast while in shallow water.

4.2. Deck shall be self draining;

4.3. The accommodation should be fully enclosed, with two exits for safety.

4.3.1. Wheelhouse shall have windows all around for visibility.

4.4. Structure for the boats shall be Fiber Reinforced Plastic (FRP).

4.4.1. The Vessels shall be built in accordance with good building practice and in compliance with the requirements of the Classification Society.

4.5. Propulsion should be twin installation of inboard engines connected to conventional, surface piercing system or waterjets through gearbox, as required.

4.5.1. Measures for protecting the propellers or waterjets during operations in shallow and murky waters have to be considered.

**4.6. The vessel shall stay at sea and carry
Maximum range of 400 nautical miles.**

4.6.1. Vessel should be able to operate at maximum speed for continuous 1 hour at a stretch in any 12 hours cycle.

4.6.2. Builder is called upon to estimate the required fuel to ensure the aforementioned range and reserved capacity.

4.6.3. The patrol boats should have a Fresh Water Tank of minimum one hundred fifty liters (150lt) for domestic use.

- 4.7. Accommodation should be provided for four (4) crew members and additional four (4) passengers, totaling in eight (8) persons in full complement – minimum requirement.**
- 4.8. The Vessels shall have a life span of 20 years and operation for 10 years, without need for major repairs except on account of normal wear and tear, allowing for 1800 running hours of average annual usage.**
- 4.8.1.** The manning, operating and maintenance cost shall be low and the infrastructure support requirements shall be simple, so that these can be attended to economically.
- 4.8.2.** Equipment supplied should be new and the items fitted on board the vessel shall bear all relevant guarantee certificates along with date of manufacture. Date of purchase is to be indicated on the certificate.
- 4.8.3.** The superstructure shall be designed for reducing wind drag and silhouette profile. The upper and side deck layout / fitting, craft-side and interior arrangements shall facilitate easy boarding operations and keep crew fatigue within acceptable parameters.

5. Inspection and Test Procedures

- 5.1. The materials should be tested and/ or certified by the Classification Society and relevant authorities as per Class Rules and/ or International Standards.**
- 5.2. A quality plan (Inspection & Test Plan) must be prepared by the builder and agreed upon with Pakistan Customs in the initial stages of the contract.**
- 5.3. The builder should arrange for the relevant Class inspections and certifications as required.**
- 5.4. The trials are to be conducted in builder yard in accordance with standard trials program and to the satisfaction of the Certification Authority. Speed runs shall be undertaken with half stores, freshwater and fuel oil tanks half filled and with all people on board and should be witnessed by the owner or his representative, shall consist of:**
 - 5.4.1. Dock trials:**
 - 5.4.1.1. Weighing test**
 - 5.4.1.2. Inclining experiment**
 - 5.4.1.3. Lowering/Hoisting trials**
 - 5.4.1.4. Mooring trials**
 - 5.4.1.5. Boat systems**
 - 5.4.1.6. Electrical loadtest**
 - 5.4.1.7. Ventilation test**
 - 5.4.2. Sea Trials:**
 - 5.4.2.1. Fuel consumption trials (only for first of the vessel)**
 - 5.4.2.2. Speed trials**
 - 5.4.2.3. Range/Endurance trials**
 - 5.4.2.4. Performance trials (turning, zig-zag etc.)**
 - 5.4.2.5. Maneuvering, astern & crash stop trials**
- 5.5. For boats tested at the builder's region, the trials should be validated in local waters except stability trial. Trials will be run in up to sea state 2. Wind strength, water and air temperatures and barometer readings are to be recorded.**

6. Construction and Workmanship

6.1. All materials used in the construction of the hull, machinery, hull fittings, deck auxiliaries, equipment and the various systems should conform to accepted International Standards.

6.1.1. In case of Fibre Reinforced Plastic materials, namely plastic construction of the vessels, materials and fabrication should comply with Classification Societies rules for this application with respective certificates.

6.1.2. Composite Structure should be verified with respective destructive tests and in line with Classification Society's Rules.

6.1.3. Construction shall take place as per Classification Society requirements, under controlled conditions of temperature and humidity.

6.1.4. Stainless Steel shall be of 304 or 316 grade, with respective certification

- 6.1.1.1. Naval Brass shall conform with BS EN 12165:1998 & BS EN 12420:1999.
- 6.1.1.2. Gunmetal Materials for all gunmetal castings is to conform to BS EN 1982:1999 specification G1-C.
- 6.1.1.3. In case of wood applications, quality marine plywood shall be used conforming to International standards.
- 6.1.1.4. Fittings and fasteners should be Stainless Steel, unless other material is suitable for a particular application.
- 6.1.1.5. Piping must be of non-corrosive material and fitted with valves where appropriate as per class requirement.

6.2. Workmanship shall be first class in conformity with accepted norms of Naval Architecture and marine engineering/ electrical engineering practices and to be to the satisfaction of the Classification Society.

6.3. In respect of construction practices, the following will be adhered.

- 6.3.1.** All notices, tally plates, labels, nameplates and instruction plates must be written in English.
- 6.3.2.** All instruments must be metric calibration and the temperatures shall be in degrees Celsius.
- 6.3.3.** Pipe systems must be identified by colored stripes at appropriate positions. The colors used shall be in accordance with accepted practice and appropriate standards.
- 6.3.4.** All necessary guards, splash-plates, casings, handrails, etc. required for the safety of personnel and protection of equipment, shall be provided.
- 6.3.5.** All iron and steelwork should be hot dip galvanized, the galvanizing being carefully and smoothly executed and not cooled in water. Exceptions may be made to the galvanized finish when iron and steel fittings require machining to standard limits.
- 6.3.6.** Sealants and Stopping must be of an approved marine composition.
- 6.3.7.** Particular care has to be taken in the design to avoid conditions leading to galvanic corrosion of dissimilar metals.

7. Accommodation & Deck Fittings

7.1. Accommodation should have the following compartments.

- 7.1.1.** The Wheelhouse shall accommodate at least all members of the crew, furnished with adequate shock-absorbent seating/damper seats.
 - 7.1.1.1.** Helmsman should have the ability to choose between seated and standing position, as well as moving the pilot seat longitudinally;
 - 7.1.1.2.** Navigation Console and Chart table;
 - 7.1.1.3.** Stowage space shall be provided for the armaments and crew stores;
 - 7.1.1.4.** One (1) wall clock;
- 7.1.2.** The accommodation space, accommodating seated at least four (4) passengers.
 - 7.1.2.1.** This compartment should provide the possibility of two (2) full length bunks, in lieu of the seating arrangements.
 - 7.1.2.2.** Lockers and dressers should be available for the complement.
- 7.1.3.** A pantry equipped with the following amenities.
 - 7.1.3.1.** 230V Electric, Range/ cooking oven with 2 induction hot plates;
 - 7.1.3.2.** Sink, single bowl set into bench top;
 - 7.1.3.3.** Pressurized water with tap;
 - 7.1.3.4.** Cup-boards & Shelving;
 - 7.1.3.5.** Freezer of 8 cf.
- 7.1.4.** A bathroom fitted with at least the items listed below.
 - 7.1.4.1.** Water closet (manual head);
 - 7.1.4.2.** Washbasin with mirror;
- 7.1.5.** Seated arrangement in the exterior deck, preferably at the back, should be provided for the remaining complement.
 - 7.1.5.1.** Provision for seats with safety belts and shock absorption should be considered.

7.2. Marine watertight doors approved by Classification Society made to national / international standards should be used.

- 7.3. Marine watertight hatches approved by Classification Society made to national / international standards should be used. Engine room shall be provided with flush type maintenance hatches, approved by Classification Society.**
- 7.4. Suitable number of pantograph windscreen wipers with water jets for the forward window of the wheelhouse should be provided.**
- 7.5. Two (2) weapon mounts should be fitted, one in the fore deck of the vessel with provision of 225 degrees operation and one in the back, with provision of 180 degrees operation.**
- 7.5.1. Deck should be locally reinforced to accommodate a 25 mm firearm (LMG type)**
- 7.6. A suitable anchor should be fitted in the forepeak compartment with adequate chain and rope for the safe anchorage of the boats. A second anchor for spare should be added.**
- 7.6.1. A bow roller should be considered.**
- 7.6.2. Anchors, cables and ropes to be in line with Classification Society's Rules.**
- 7.6.3. Chain Locker should be adequate to fit the anchors, chain and rope, equipped with a safety link for the anchor's cable.**
- 7.7. Six (6) bollards should be fitted, permitting aft, side and fore mooring on either side, depending the requirements of the operation.**
- 7.7.1. Towing Bollards should be provided, in case the boat needs to be towed, or in case it is towing a smaller craft.**
- 7.8. A mast, removable for maintenance purposes, should be on top of the Wheelhouse to support navigation lights and antennas.**
- 7.8.1.1. A radar reflector should be added on the mast.**
- 7.9. Hoisting slings of tested strength and storage cradle to be supplied.**

8. Propulsion, Machinery & Console Controls

8.1. The propulsion package should include twin installation of inboard marine diesel engines, of reputable make, turbocharged, freshwater cooled to match the design parameters, both with electronic control, having maximum continuous rating for local weather conditions.

8.2. Main engines along with manufacturers' recommended mounting arrangement to reduce vibrations and adequately enclosed to reduce noise with heat exchanged cooling, 24 volt DC starting, should be provided. Proof of availability of prompt service and spares for at least twenty (20) years for the Main Engines, should be provided.

8.2.1. Main engines shall be located so as to facilitate easy removal for maintenance/ repair. Engine room layout shall ensure accessibility for routine maintenance to engine and gearbox, oil dipstick, filters, battery, generator, electric switches, fuses etc. Efficient bilge drainage shall be provided with all areas sloping into a sump, and with location for stowage of oil, distilled water and tools.

8.2.2. Output shall be specified in kW and BHP. Lubricating oil temperature parameters in tropical working conditions and MCR Rating both before and after lubricating oil cooler shall be confirmed from engine manufacturers/ principals and reflected in Technical Specifications. Engine cooling system arrangements shall conform to Engine manufacturers' instructions.

8.2.3. Fuel consumption shall be identified by the tenderer in maximum, service and economical speed.

8.3. Gearbox, preferably Twin-Disc, as required.

8.4. Propulsion package should be either with conventional, surface piercing system or waterjets.

8.4.1. Complimentary equipment, such as carden shafts, bearings etc. shall be of reputable make, furnished with respective type approval certificates for their use.

8.4.2. As it will normally be required to operate in shallow waters and areas where fishing nets are frequently found, the Stern Gear should be fully protected against fouling to prevent damage. Waterjets shall be protected by means of grating to avoid suction of foreign objects.

8.5. Integrated facility for comprehensive monitoring and control of all machinery and navigational equipment in the wheelhouse, main engine and steering control from wheelhouse shall be provided.

8.5.1. Single station remote controls for both Port and Starboard Main Engine shall be provided in the Wheelhouse.

8.5.2. Levers controlling engine speed and ahead/astern selection for each engine, shall be arranged for remote operation in the Wheelhouse.

8.6. Hydraulic steering allowing very good manoeuvrability and performance across pre-planning and planning speed shall be provided.

8.6.1. Remote control for steering, forward, reverse and neutral, and engine start/stop shall be provided in the Wheelhouse.

8.7. The patrol boats should be equipped with all machinery and essential fittings / accessories required for smooth running.

8.8. Instrumentation.

8.8.1. All gauges shall be fitted with back up (integrated) lighting and instrument panels shall be watertight. Dimmer facility for instrument back-up light should be provided.

8.8.2. Essential machinery instrumentation and 'AVA' at control position shall include:

8.8.2.1. Tachometer;

8.8.2.2. Engine oil pressure alarm and trip;

8.8.2.3. Engine oil temperature alarm;

8.8.2.4. Engine water temperature alarm and trip;

8.8.2.5. Gearbox oil pressure alarm;

8.8.2.6. Gearbox oil temperature alarm;

8.8.2.7. Emergency main engine stop;

8.8.2.8. Over speed trip mechanism;

8.8.3. Monitoring and Control Systems in Wheel House:

8.8.3.1. Engine start / stop push buttons;

8.8.3.2. Warning system circulatory check push button with indication;

8.8.3.3. Stop auto indication for lub. oil pressure, F.W. temperature and overspeed;

8.8.3.4. Lub oil pressure gauges for engines and gearbox;

8.8.3.5. F.W. temperature gauges with audiovisual alarm;

- 8.8.3.6.** RPM gauge and hour counter for main engines;
- 8.8.3.7.** Ammeters indicating battery charging / load current;
- 8.8.3.8.** Voltmeter indicating battery voltage;
- 8.8.3.9.** Auxiliary generator RPM Indicator, Lubricating Oil pressure and temperature;
- 8.8.3.10.** Air conditioning system start / stop control indicators panel;
- 8.8.3.11.** Steering and trim position indicating gauge;
- 8.8.3.12.** Exhaust temperature gauge;
- 8.8.3.13.** Cooling sea water pressure gauge;

8.9. Interconnected Fuel Tanks of the required capacity to meet the range shall be provided, with the following specification.

- 8.9.1.** The tank is to have suitable inspection manhole, filling point on deck, drainage valve and suction line with valves for each engine that include water filter separator.
- 8.9.2.** Manual sounding facility with calibration chart should be provided for the tank. All pipelines and fittings shall be of Copper/GM respectively. Fuel shut off valve shall be provided and should be interconnected.
- 8.9.3.** The tank should be tested as per Classification Society's requirements.

8.10. Exhaust installations for the main engines system shall be 'wet type' systems. All exhaust systems should be of stainless steel, with required risers, drains, and have flexible sections to accommodate engine vibration. Each engine exhausts independently through hull exhaust. The exhaust pipes shall be adequately insulated.

8.11. An auxiliary Generator of capacity as required to meet the total power requirement including lighting and air conditioning with at least 20% reserve capacity, must be provided.

8.12. All other auxiliary machinery equipment required for the normal operation of the boats, including but not limited to, fuel, water and bilge pumps, etc. shall be provided.

8.13. In consideration of habitability inside the boat, sound insulation should be considered for the machinery spaces, above waterline with the builder's proposal.

9. Systems

9.1. The following System should be considered for the normal operation of the boats.

- 9.1.1.** Fresh Water System, to provide water in the WC and screenwash system;
 - 9.1.1.1.** Apart from the fresh water tank specified
 - 9.1.1.2.** Grey Water System to accommodate the washbasin, water closet in the WC and pantry sink.
 - 9.1.1.3.** A suitable sewage tank should be considered, with arrangements for its contents' discharge;
- 9.1.2.** Bilge shall protect the vessels from flooding. Classification Society's Rules and Builder's good practice should determine requirements.

9.2. Accommodation Spaces should be air conditioned, maintaining 21 degrees Celcius temperature in local weather conditions.

- 9.2.1.** Ambient Temperature : up to 45° C
- 9.2.2.** Relative Humidity : 95%
- 9.2.3.** Sea Water Temperature : up to 32° C

9.3. Machinery Spaces should be adequately ventilated.

- 9.3.1.** Mechanical ventilation with forced intake
- 9.3.2.** All ventilation opening should have means preventing water ingress.
- 9.3.3.** Fire Dampers and/ or Flaps are to be fitted in the ventilation inlets and outlets.
 - 9.3.3.1.** Locally operated Fire dampers are acceptable.
- 9.3.4.** Means to ventilate the WC should also be considered.

9.4. Cathodic protection, adequate for the structure and underwater components of the vessels should be provided, where are required.

9.5. Fire Detection and Control System should be installed, in line with International Standards requirements.

10. Electrical, Electronic & Navigation Equipment

10.1. The following electrical Supply is required:

10.1.1. 230Volt, Single Phase, 50Hz, AC system;

10.1.2. 24Volt, DC System

10.2. All equipment and wiring shall comply with Classification Society's requirements.

10.3. All wiring is required to be carried in cable tray/ trunking and /or conduit as per standard boat building practice.

10.4. All engines' wiring shall be in proprietary cable and should be adequately protected from mechanical damage and substantially clipped. The wiring should run in a path to avoid contact or proximity to high temperature surfaces of the engine.

10.5. Main switchboard shall be located in the Wheelhouse, furnished with required circuit breakers and isolation switches.

10.6. Batteries, quantity to be determined in line with load requirements, should be enclosed in battery boxes with waterproof lids and acid resistant lining.

10.6.1. Selector switch should be provided so each engine can be started by either battery.

10.7. One (1) shore power inlet shall be fitted externally of the accommodation.

10.8. Fluorescent lights shall be fitted in the interior of the accommodation.

10.9. Navigation Lights should comply with International Regulations for Preventing Collision at sea and be controlled by switches in the Wheelhouse.

10.10. A search-light suitable for patrol boats should be provided.

10.11. Three (3) flood lights looking to sides and rear of roof overhang;

10.12. Power Outlets should be considered in the interior of the Accommodation.

10.13. The following navigational and communications' equipment has to be considered.

10.13.1. A high resolution radar with range of 48 nm with dome antenna, latest model;

10.13.2. An echo-sounder/dept finder of reputed make;

10.13.3. One (1) magnetic compass, operational at high speeds

10.13.4. A loud hailer fitted on the Wheelhouse top;

10.13.5. An electric whistle/ Horn;

10.13.6. A multichannel marine VHF Radio and four handheld walkie talkies;

11. Safety Equipment & Considerations, Fire Control Equipment

11.1. Life saving appliances as per the Statutory requirements for the Craft shall be provided.

Stowage space shall be provided for life jackets and mounting brackets for life buoys.

11.1.1. One (1) Liferaft, exceeding the total complement capacity by twenty-five percent (25%) should be included;

11.1.2. Lifejackets for the crew should be included;

11.2. Adequate Handrails and guard rails should be fitted throughout the accommodation and Main deck to ensure the safe passage of the crew and passengers.

11.3. Fire Extinguishers and Fire control Equipment to be in line with Statutory Requirements. Stowage to be provided for the Fireman equipment and mounting brackets for the fire extinguishers.

12. Painting and Finishes

12.1. Below the waterline, appropriate antifouling system, in line with the latest requirements for environmental consideration, should be added.

12.2. Deck should be non slip painted.

12.3. Exterior and interior colors to be agreed with the owner before construction.

12.4. Signs - Plates - Markings as required by Classification Society should be provided.

12.5. The vessel's name shall be marked on the transom, port side. The vessel's Port of Registry shall be marked on the transom, starboard side.

12.6. Draft Marks to be added as per Classification Society's Requirements.

13. Spare Parts

13.1. On board spare parts as per manufacturers recommendation and guidelines of Classification society & statutory requirements shall be provided.

13.2. One set of tools should be supplied for routine on-board maintenance including but not limited to the following. Manufacturer to advise additional requirements, in line with past experience.

13.2.1. Open spanner set - One

13.2.2. Socket spanner set - One

13.2.3. Torque spanner set - One

13.2.4. Feeler gauge - One

13.2.5. Screw driver sets - Two

13.2.6. Allen key set - One

13.2.7. T-handle set - One

13.2.8. Electrical repair tool kit – One

14. Documentation

14.1. All Design / Drawings as prescribed by Classification Society should be prepared by the Builder and approved by Classification Society / Owner.

14.2. All drawings, calculations, instruction manuals, service manuals and other test certificates / documentation of all equipment from manufacturers etc. in English language with as-fitted drawing and certificate should be supplied in electronic format.

14.2.1. An indicative list of drawings is described below.

- 14.2.1.1.** “As built” specification;
- 14.2.1.2.** General arrangement;
- 14.2.1.3.** Lines plan;
- 14.2.1.4.** Capacity plan;
- 14.2.1.5.** Stability Booklet;
- 14.2.1.6.** Docking plan;
- 14.2.1.7.** Hoisting arrangement plan;
- 14.2.1.8.** Mid-ship section;
- 14.2.1.9.** Profile and Deck plan;
- 14.2.1.10.** Bulkheads, Web Frames and Frames Section Plan;
- 14.2.1.11.** Construction Drawing of fuel and freshwater tank with fuel and F.W. tank calibration curves;
- 14.2.1.12.** Drain plug in tank;
- 14.2.1.13.** Construction drawing of all W.T. access including hatches, doors and windows and access ladders;
- 14.2.1.14.** Mast arrangement;
- 14.2.1.15.** Deck and Superstructure construction Profile including fixtures and fitments;
- 14.2.1.16.** Hull assembly plan (FRP) / Shell Expansion (Aluminium);
- 14.2.1.17.** Underwater and stern fitting;
- 14.2.1.18.** Accommodation area arrangement;
- 14.2.1.19.** Arrangements in wheelhouse;
- 14.2.1.20.** Safety and Fire Control Plan;
- 14.2.1.21.** Instruction for operating Life rafts and Life jackets;
- 14.2.1.22.** Safety Radio Telephony certificate;
- 14.2.1.23.** Compass certificate;

- 14.2.1.24.** Mooring arrangement;
- 14.2.1.25.** Rigging arrangement;
- 14.2.1.26.** Insulation;
- 14.2.1.27.** Windows and side light Arrangement;
- 14.2.1.28.** Fire and Deck wash plan;
- 14.2.1.29.** Exhaust (ventilation both mechanical and natural arrangement in machinery spaces and bathroom);
- 14.2.1.30.** Schematic drawing of WC and flushing system;
- 14.2.1.31.** Scuppers and Discharges (skin opening);
- 14.2.1.32.** Domestic fresh water piping system;
- 14.2.1.33.** Gray piping system;
- 14.2.1.34.** Layout and installation drawings of conventional, surface piercing system and surface piercing hydraulic system or waterjets, as applicable;

- 14.2.1.35.** Installation plans and as fitted drawings of steering and hydraulic system;
- 14.2.1.36.** Calibration data for machinery;
- 14.2.1.37.** Air sounding and filling pipe;
- 14.2.1.38.** Corrosion Protection & bonding system;
- 14.2.1.39.** Engine seating drawing;
- 14.2.1.40.** Installation plan and as fitted drawing of propulsion and Auxiliary machinery Console arrangement, details in Wheelhouse instrument panel wiring diagram at local and other control positions;
- 14.2.1.41.** Engine Room layout and as fitted plan;
- 14.2.1.42.** Detail drawing of propulsion and shaft/ waterjets geometry;
- 14.2.1.43.** Detail drawing of propellers, propeller shaft, rope guard, stern gland, where applicable;

- 14.2.1.44.** Machinery piping arrangement;
- 14.2.1.45.** Installation and Protection plan for stern-gear and as fitted drawing for stern-gear;
- 14.2.1.46.** Engine Room mechanical ventilation arrangement;
- 14.2.1.47.** Installation plans and as fitted drawing of main engine and gearbox remote control system;
- 14.2.1.48.** Main engine holding down bolting arrangement;

- 14.2.1.49.** Equipment and gauges complete with installation details;
- 14.2.1.50.** Installation plan and as fitted drawing of bilge, fire-main system;
- 14.2.1.51.** Installation plan and as fitted drawing of fuel oil piping system and lubricating oil system;
- 14.2.1.52.** Installation plan and as fitted drawing of sea water cooling piping system and fresh water system;
- 14.2.1.53.** Control and alarms -Main switch board;
- 14.2.1.54.** Installation plans and as fitted drawing for electrical wiring and routine of operational and domestic system complete;
- 14.2.1.55.** Electrical Plans;

14.3. Pakistan Customs must be provided with instruction books complete with spares lists, pamphlets and drawing from all suppliers, sub-contractors etc. Instruction book to contain detailed maintenance instructions, spares lists and operating instructions. Builder must also provide repair technical document for main engines, auxiliary machinery and generator.

14.4. The following certificates along with 2 sets of certified copies to be delivered together with crafts.

14.4.1. From the classification society

- 14.4.1.1.** Interim certificate of class –Hull;
- 14.4.1.2.** Interim certificate of class-machinery along with manufacturers certificate;
- 14.4.1.3.** Interim certificate of class-unmanned propulsion machinery space;
- 14.4.1.4.** Certificate for equipment;

14.4.2. Sundry

- 14.4.2.1.** Builders certificate;
- 14.4.2.2.** Anchor and chain cable certificate;
- 14.4.2.3.** Warps and mooring ropes certificates;
- 14.4.2.4.** All machinery and equipment certificate;

14.4.3. Survey certificate for

- 14.4.3.1.** Life saving appliances;
- 14.4.3.2.** Life-rafts;

14.4.3.3. Fire fighting equipment;

14.4.3.4. Navigation lights;

14.4.3.5. Lifting apparatus;

14.4.3.6. Deck fittings;

15. Criteria

15.1 The following table summaries aforementioned technical aspects under review in this tender, indicating also the references paragraphs where details for the item can be found. The referenced paragraphs are not exhaustive and should be read in context of the whole build and common good boat building practice.

15.1.1 In case the main paragraph is identified, all included sub-paragraphs should be consulted.

15.1.2 One paragraph may be describing more than one item.

Criterion Designation	Description or Value	Ref. §
Proven Design	<i>Tenderer to confirm</i>	3.1
Classification Society	<i>Tenderer to name</i>	3.2 & 5
Stability Review	<i>Tenderer to name considerations</i>	3.2.1
L_{OA}	<i>Tenderer to stipulate</i>	3.3.1
B_{mld}	<i>Tenderer to stipulate</i>	3.3.2
d	<i>Tenderer to stipulate</i>	3.3.3
Displacement	<i>Tenderer to estimate</i>	3.3.4
Service Speed	<i>Tenderer to stipulate</i>	3.3.5
Maximum Speed	<i>Tenderer to stipulate</i>	3.3.6
Class Notation	<i>Tenderer to stipulate</i>	3.3.7
Hull Type	<i>Tenderer to name</i>	4.1
Deadrise Angle (Mid)	<i>Tenderer to stipulate</i>	4.1
Deadrise Angle (Transom)	<i>Tenderer to stipulate</i>	4.1
Past Models	<i>Tender to name examples</i>	4.1.2
Bouyancy (Reserved)	<i>Tenderer to estimate</i>	4.1.3
Maximum Sea State	<i>Tenderer to stipulate</i>	4.1.4

Criterion Designation	Description or Value	Ref. §
<u>General Arrangement</u>	<i><u>Drawing to be submitted</u></i>	<u>2, 3, 4, 7, 8, 9, 10, 11 & 12</u>
<u>Deck</u>	<i><u>Self Draining</u></i>	<u>4.2</u>
<u>Type of Accommodation</u>	<i><u>As per GA</u></i>	<u>4.3</u>
<u>Access</u>	<i><u>As per GA</u></i>	<u>4.3</u>
<u>Visibility</u>	<i><u>As per GA</u></i>	<u>4.3.1</u>
<u>Construction Materials</u>	<i><u>Tenderer to identify</u></i>	<u>4.4 & 6.1</u>
<u>Endurance</u>	<i><u>Tenderer to stipulate</u></i>	<u>4.6</u>
<u>Fuel Tank</u>	<i><u>Tenderer to stipulate</u></i>	<u>4.6.2 & 8.9</u>
<u>Fresh Water Tank Capacity</u>	<i><u>Tenderer to stipulate</u></i>	<u>4.6.3</u>
<u>Life Span</u>	<i><u>Tenderer to stipulate</u></i>	<u>4.8</u>
<u>Superstructure Profile</u>	<i><u>As per GA</u></i>	<u>4.8.3</u>
<u>Materials Certificates</u>	<i><u>Tenderer to identify</u></i>	<u>5.1 & 5.6</u>
<u>Equipment Certificates</u>	<i><u>Tenderer to identify</u></i>	<u>5.1</u>
<u>Dock Trials</u>	<i><u>Tenderer to stipulate</u></i>	<u>5.4.1</u>
<u>Sea Trials</u>	<i><u>Tenderer to stipulate</u></i>	<u>5.4.2</u>
<u>Workmanship</u>	<i><u>Tenderer to stipulate</u></i>	<u>6.2 & 6.3</u>
<u>Wheelhouse</u>	<i><u>As per GA, tenderer to name specs</u></i>	<u>7.1.1</u>
<u>Accommodation Space</u>	<i><u>As per GA, tenderer to name specs</u></i>	<u>7.1.2</u>
<u>Pantry</u>	<i><u>As per GA, tenderer to name specs</u></i>	<u>7.1.3</u>
<u>Bathroom</u>	<i><u>As per GA, tenderer to name specs</u></i>	<u>7.1.4</u>
<u>Exterior Seating Arrangement</u>	<i><u>As per GA, tenderer to name specs</u></i>	<u>7.1.5</u>
<u>Complement</u>	<i><u>As per GA, tenderer to name complement</u></i>	<u>4.7</u>
<u>Exterior Doors</u>	<i><u>As per GA, tenderer to name specs</u></i>	<u>7.2</u>

Criterion Designation	Description or Value	Ref. §
<u>Hatches</u>	<i>As per GA, tenderer to name specs</i>	<u>7.3</u>
<u>Wipers</u>	<i>As per GA, tenderer to name specs</i>	<u>7.4</u>
<u>Weapon Mounts</u>	<i>As per GA, tenderer to name specs</i>	<u>7.5</u>
<u>Anchor & Cable</u>	<i>As per GA, tenderer to name specs</i>	<u>7.6</u>
<u>Mooring Arrangement</u>	<i>As per drawing, tenderer to name specs</i>	<u>7.7</u>
<u>Towing Arrangement</u>	<i>As per drawing, tenderer to name specs</i>	<u>7.7.1</u>
<u>Mast</u>	<i>As per drawing, tenderer to name specs</i>	<u>7.8</u>
<u>Hoisting</u>	<i>Tenderer to name specs</i>	<u>7.9</u>
<u>Main Engines</u>	<i>Tenderer to identify</i>	<u>4.5, 8.1 & 8.2</u>
<u>Gearbox</u>	<i>Tenderer to identify</i>	<u>4.5 & 8.3</u>
<u>Means of Propulsion</u>	<i>Tenderer to identify</i>	<u>4.5 & 8.4</u>
<u>Propulsion Package</u>	<i>As per drawing, tenderer to name specs</i>	<u>4.5, 8.1, 8.2, 8.3 & 8.4</u>
<u>Monitoring Systems</u>	<i>Tenderer to identify</i>	<u>8.5 & 8.8.3</u>
<u>Control Systems</u>	<i>Tenderer to identify</i>	<u>8.5 & 8.8.3</u>
<u>Steering</u>	<i>Tenderer to identify</i>	<u>8.6</u>
<u>Dimmer Facility</u>	<i>Tenderer to identify</i>	<u>8.8.1</u>
<u>Gauges</u>	<i>Tenderer to identify</i>	<u>8.8.2</u>
<u>Exhaust System</u>	<i>Tenderer to identify</i>	<u>8.10</u>
<u>Gen Set</u>	<i>Tenderer to identify</i>	<u>8.11</u>
<u>Auxiliary Systems</u>	<i>Tenderer to identify</i>	<u>8.12</u>
<u>Sound Insulation</u>	<i>As per drawing, tenderer to name specs</i>	<u>8.13</u>
<u>Fresh Water System</u>	<i>As per drawing, tenderer to name specs</i>	<u>9.1.1</u>
<u>Grey Water System</u>	<i>As per drawing, tenderer to name specs</i>	<u>9.1.2</u>
<u>Bilge Water System</u>	<i>As per drawing, tenderer to name specs</i>	<u>9.1.3 & 8.2.1</u>
<u>Fire & Deck Wash System</u>	<i>As per drawing, tenderer to name specs</i>	<u>9.1.4</u>

Criterion Designation	Description or Value	Ref. §
<u>Air Condition</u>	<i><u>Tenderer to identify</u></i>	<u>9.2 & 2.2</u>
<u>Machinery Space Ventilation</u>	<i><u>Tenderer to name specs</u></i>	<u>9.3</u>
<u>WC Ventilation</u>	<i><u>Tenderer to name specs</u></i>	<u>9.3.4</u>
<u>Cathodic Protection</u>	<i><u>Tenderer to name specs</u></i>	<u>9.4</u>
<u>Fire Detection Systems</u>	<i><u>Tenderer to name specs</u></i>	<u>9.5</u>
<u>Fire Control Systems</u>	<i><u>Tenderer to name specs</u></i>	<u>9.5 & 11.3</u>
<u>Electrical Systems</u>	<i><u>Tenderer to name specs</u></i>	<u>10.1</u>
<u>Wire & Wire Trunking</u>	<i><u>Tenderer to name specs</u></i>	<u>10.2 & 10.3</u>
<u>Engine Wires</u>	<i><u>Tenderer to name specs</u></i>	<u>10.4</u>
<u>Main Switchboard</u>	<i><u>Tenderer to name specs</u></i>	<u>10.5</u>
<u>Baterries, Enclosures & Accessories</u>	<i><u>Tenderer to name specs</u></i>	<u>10.6</u>
<u>Power Shore Connection</u>	<i><u>Tenderer to name specs</u></i>	<u>10.7</u>
<u>Battery Charger</u>	<i><u>Tenderer to name specs</u></i>	<u>10.8</u>
<u>Accommodation Lighting</u>	<i><u>Tenderer to name specs</u></i>	<u>10.9</u>
<u>Navigation Lights</u>	<i><u>As per drawing, tenderer to name specs</u></i>	<u>10.10</u>
<u>Search Light</u>	<i><u>As per drawing, tenderer to name specs</u></i>	<u>10.11</u>
<u>Flood Lights</u>	<i><u>Tenderer to name specs</u></i>	<u>10.12</u>
<u>Power Outlets</u>	<i><u>Tenderer to name specs</u></i>	<u>10.13</u>
<u>Radar</u>	<i><u>Tenderer to name specs</u></i>	<u>10.14.1</u>
<u>Echosounder</u>	<i><u>Tenderer to name specs</u></i>	<u>10.14.3</u>
<u>Magnetic Compass</u>	<i><u>Tenderer to name specs</u></i>	<u>10.14.4</u>
<u>Loud Hailer</u>	<i><u>Tenderer to name specs</u></i>	<u>10.14.5</u>
<u>VHF Radio</u>	<i><u>Tenderer to name specs</u></i>	<u>10.14.7</u>
<u>Safety Equipment</u>	<i><u>As per drawing, tenderer to name specs</u></i>	<u>11.1</u>
<u>Life Raft</u>	<i><u>Tenderer to name specs</u></i>	<u>11.1.1</u>
<u>Hand & Guard Rails</u>	<i><u>As per drawing, tenderer to name specs</u></i>	<u>11.2</u>

Criterion Designation	Description or Value	Ref. §
<u>Painting</u>	<i><u>As per drawing, tenderer to name specs</u></i>	<u>12.1, 12.2 & 12.3</u>
<u>Draft Marks</u>	<i><u>As per drawing, tenderer to name specs</u></i>	<u>12.6</u>
<u>Spare Parts</u>	<i><u>Tenderer to identify</u></i>	<u>13</u>
<u>Documentation</u>	<i><u>Tenderer to identify</u></i>	<u>14</u>
<u>Nothing follows</u>		

4. Drawings

These Bidding Documents includes drawings listed below and as per **14.2.1 of the Technical Specifications**

List of Drawings		
Drawing Nr.	Drawing Name	Purpose
1	Topsides	A bird's eye view of the layout of the top deck of the boat with dimensions included.
2	Lower Deck	Arrangement of the engine rooms, equipment space, fuel tanks, berthing areas with dimensions included.
3	STBD Outboard Profile	Show arrangement of the equipment on the decks (handrails searchlights etc.) along with the profile of the boat would look like with dimensions included.
4	Port Inboard Profile	Show the inboard arrangement from a profile view.

5. Inspections and Tests

The following inspections and tests shall be performed by Third Party Verifications and certifications as described in **Section 14.4 of the Technical Specifications and described below are also a mandatory requirement.**

3	Inspections & Tests regarding Industrial Standards and Certifications		
	Criteria Description	Ref. §	Remarks
(a)	Materials Certificates	5.1 & 5.6	Details of Certification mentioned below
(b)	Equipment Certificates	5.1	Details of Certification mentioned below
(c)	Dock Trials	5.4.1	Details of verification mentioned below
(d)	Sea Trials	5.4.2	Details of verification mentioned below
(e)	Workmanship	6.2 & 6.3	Details of verification mentioned below

PART 3 - Contract

Section VII. General Conditions of Contract

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Section VII. General Conditions of Contract

Definitions

1.1 The following words and expressions shall have the meanings hereby assigned to them:

- (a) “Client” means the Purchaser and refers to the Collectorate of Customs (preventive), Karachi.
- (b) “Contract” means the Contract Agreement entered into between the Purchaser and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein.
- (c) “Contract Documents” means the documents listed in the Contract Agreement, including any amendments thereto.
- (d) “Contract Price” means the price payable to the Supplier as specified in the Contract Agreement, subject to such additions and adjustments thereto or deductions therefrom, as may be made pursuant to the Contract.
- (e) “Day” means calendar day.
- (f) “Completion” means the fulfillment of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Contract.
- (g) “GCC” means the General Conditions of Contract.
- (h) “Goods” means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Purchaser under the Contract.
- (i) “Purchaser’s Country” is the country specified in the Special Conditions of Contract (SCC).
- (j) “Purchaser” means the entity purchasing the Goods and Related Services, as specified in the SCC.
- (k) “Related Services” means the services incidental to the supply of the goods, such as insurance, installation, training and initial maintenance and other such obligations of the Supplier under the Contract.
- (l) “SCC” means the Special Conditions of Contract.
- (m) “Subcontractor” means any natural person, private

or government entity, or a combination of the above, to whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Supplier.

- (n) “Supplier” means the natural person, private or government entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Contract Agreement.
- (o) “The Project Site,” where applicable, means the place named in the **SCC**.

**Contract
Documents**

- 2.1 Subject to the order of precedence set forth in the Contract Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory. The Contract Agreement shall be read as a whole.

**Fraud and
Corruption**

3.1 If the Purchaser determines that the Supplier and/or any of its personnel, or its agents, or its Subcontractors, consultants, service providers, suppliers and/or their employees has engaged in corrupt, fraudulent, collusive, coercive or obstructive practices, in competing for or in executing the Contract, then the Purchaser may, after giving 14 days notice to the Supplier, terminate the Supplier's employment under the Contract and cancel the contract, and the provisions of Clause 35 shall apply as if such expulsion had been made under Sub-Clause 35.1.

(a) For the purposes of this Sub-Clause:

- (i) “corrupt practice” is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;
- (ii) “fraudulent practice” is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
- (iii) “collusive practice” is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;
- (iv) “coercive practice” is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;
- (v) “obstructive practice” is
 - (aa) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Client investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to

prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or

- (bb) acts intended to materially impede the exercise of the Client's inspection and audit rights provided for under Clause 11 [Inspections and Audits by the Client].

- 3.2 Should any employee of the Supplier be determined to have engaged in corrupt, fraudulent, collusive, coercive, or obstructive practice during the purchase of the Goods, then that employee shall be removed.

Interpretation

1. If the context so requires it, singular means plural and vice versa.

2. Incoterms

(a) Unless inconsistent with any provision of the Contract, the meaning of any trade term and the rights and obligations of parties thereunder shall be as prescribed by Incoterms.

(b) The terms EXW, CIP, FCA, CFR and other similar terms, when used, shall be governed by the rules prescribed in the current edition of Incoterms specified in the **SCC** and published by the International Chamber of Commerce in Paris, France.

3. Entire Agreement

The Contract constitutes the entire agreement between the Purchaser and the Supplier and supersedes all communications, negotiations and agreements (whether written or oral) of the parties with respect thereto made prior to the date of Contract.

4. Amendment

No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto.

5. Non-waiver

(a) Subject to GCC Sub-Clause 4.5(b) below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.

(b) Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.

6. Severability

If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity

or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

Language	<ol style="list-style-type: none">1. The Contract as well as all correspondence and documents relating to the Contract exchanged by the Supplier and the Purchaser, shall be written in the language specified in the SCC. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified, in which case, for purposes of interpretation of the Contract, this translation shall govern.2. The Supplier shall bear all costs of translation to the governing language and all risks of the accuracy of such translation, for documents provided by the Supplier.
Joint Venture, Consortium or Association	<ol style="list-style-type: none">1. If the Supplier is a joint venture, consortium, or association, all of the parties shall be jointly and severally liable to the Purchaser for the fulfillment of the provisions of the Contract and shall designate one party to act as a leader with authority to bind the joint venture, consortium, or association. The composition or the constitution of the joint venture, consortium, or association shall not be altered without the prior consent of the Purchaser.
Eligibility	<ol style="list-style-type: none">1. The Supplier and its Subcontractors shall have the nationality of an eligible country. A Supplier or Subcontractor shall be deemed to have the nationality of a country if it is a citizen or constituted, incorporated, or registered, and operates in conformity with the provisions of the laws of that country.2. All Goods and Related Services to be supplied under the Contract and financed by the Client shall have their origin in Eligible Countries. For the purpose of this Clause, origin means the country where the goods have been grown, mined, cultivated, produced, manufactured, or processed; or through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.
Notices	<ol style="list-style-type: none">1. Any notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the SCC. The term “in writing” means communicated in written form with proof of receipt.2. A notice shall be effective when delivered or on the notice’s effective date, whichever is later.

- Governing Law**
1. The Contract shall be governed by and interpreted in accordance with the laws of the Purchaser's Country, unless otherwise specified in the **SCC**.
- Settlement of Disputes**
1. The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
 2. If, after twenty-eight (28) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract. Arbitration proceedings shall be conducted in accordance with the rules of procedure **specified in the SCC**.
 3. Notwithstanding any reference to arbitration herein,
 - (a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and
 - (b) the Purchaser shall pay the Supplier any monies due the Supplier.

Inspections and Audit by the Client	1. The Supplier shall permit, and shall cause its Subcontractors and consultants to permit, the Client and/or persons appointed by the Client to inspect the Supplier's offices and all accounts and records relating to the performance of the Contract and the submission of the bid, and to have such accounts and records audited by auditors appointed by the Client if requested by the Client. The Supplier's and its Subcontractors and consultants' attention is drawn to Clause 3 [Fraud and Corruption], which provides, inter alia, that acts intended to materially impede the exercise of the Client's inspection and audit rights provided for under this Sub-Clause 11.1 constitute a prohibited practice subject to contract termination (as well as to a determination of ineligibility pursuant to the Client's prevailing sanctions procedures).
Scope of Supply	12.1 The Goods and Related Services to be supplied shall be as specified in the Schedule of Requirements.
Delivery and Documents	13.1 Subject to GCC Sub-Clause 33.1, the Delivery of the Goods and Completion of the Related Services shall be in accordance with the Delivery and Completion Schedule specified in the Schedule of Requirements. The details of shipping and other documents to be furnished by the Supplier are specified in the SCC .
Supplier's Responsibilities	14.1 The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with GCC Clause 12, and the Delivery and Completion Schedule, as per GCC Clause 13.
Contract Price	15.1 Prices charged by the Supplier for the Goods supplied and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments authorized in the SCC .

**Terms of
Payment**

- 16.1 The Contract Price, including any Advance Payments, if applicable, shall be paid as specified in the **SCC**.
- 16.2 The Supplier's request for payment shall be made to the Purchaser in writing, accompanied by invoices describing, as appropriate, the Goods delivered and Related Services performed, and by the documents submitted pursuant to GCC Clause 13 and upon fulfillment of all other obligations stipulated in the Contract.
- 16.3 Payments shall be made promptly by the Purchaser, but in no case later than sixty (60) days after submission of an invoice or request for payment by the Supplier, and after the Purchaser has accepted it.
- 16.4 The currencies in which payments shall be made to the Supplier under this Contract shall be those in which the bid price is expressed.
- 16.5 In the event that the Purchaser fails to pay the Supplier any payment by its due date or within the period set forth in the **SCC**, the Purchaser shall pay to the Supplier interest on the amount of such delayed payment at the rate shown in the **SCC**, for the period of delay until payment has been made in full, whether before or after judgment or arbitration award.

**Taxes and
Duties**

- 17.1 For goods manufactured outside the Purchaser's Country, the Supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the Purchaser's Country.
- 17.2 For goods Manufactured within the Purchaser's country, the Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.
- 17.3 If any tax exemptions, reductions, allowances or privileges may be available to the Supplier in the Purchaser's Country, the Purchaser shall use its best efforts to enable the Supplier to benefit from any such tax savings to the maximum allowable extent.

**Performance
Security**

- 18.1 If required as specified in the SCC, the Supplier shall, within twenty-eight (28) days of the notification of contract award, provide a performance security for the performance of the Contract in the amount specified in the **SCC**.
- 18.2 The proceeds of the Performance Security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 18.3 As specified in the SCC, the Performance Security, if required, shall be denominated in the currency(ies) of the Contract, or in a freely convertible currency acceptable to the Purchaser; and shall be in one of the format stipulated by the Purchaser in the **SCC**, or in another format acceptable to the Purchaser.
- 18.4 The Performance Security shall be discharged by the Purchaser and returned to the Supplier not later than twenty-eight (28) days following the date of Completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in the **SCC**.

Copyright

- 19.1 The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party

**Confidential
Information**

- 20.1 The Purchaser and the Supplier shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract. Notwithstanding the above, the Supplier may furnish to its Subcontractor such documents, data, and other information it receives from the Purchaser to the extent required for the Subcontractor to perform its work under the Contract, in which event the Supplier shall obtain from such Subcontractor an undertaking of confidentiality similar to that imposed on the Supplier under GCC Clause 20.
- 20.2 The Purchaser shall not use such documents, data, and other information received from the Supplier for any purposes unrelated to the contract. Similarly, the Supplier shall not use such documents, data, and other information received from the Purchaser for any purpose other than the performance of the Contract.
- 20.3 The obligation of a party under GCC Sub-Clauses 20.1 and 20.2 above, however, shall not apply to information that:
- (a) the Purchaser or Supplier need to share with the Client or other institutions participating in the financing of the Contract;
 - (b) now or hereafter enters the public domain through no fault of that party;
 - (c) can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or
 - (d) otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.
- 20.4 The above provisions of GCC Clause 20 shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the Supply or any part thereof.
- 20.5 The provisions of GCC Clause 20 shall survive

completion or termination, for whatever reason, of the Contract.

Subcontracting

- 21.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under the Contract if not already specified in the bid. Such notification, in the original bid or later shall not relieve the Supplier from any of its obligations, duties, responsibilities, or liability under the Contract.
- 21.2 Subcontracts shall comply with the provisions of GCC Clauses 3 and 7.

**Specifications
and
Standards****22.1 Technical Specifications and Drawings**

- (a) The Goods and Related Services supplied under this Contract shall conform to the technical specifications and standards mentioned in Section VI, Schedule of Requirements and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the Goods' country of origin.
- (b) The Supplier shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof provided or designed by or on behalf of the Purchaser, by giving a notice of such disclaimer to the Purchaser.
- (c) Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the Schedule of Requirements. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Purchaser and shall be treated in accordance with GCC Clause 33.

**Packing and
Documents**

- 23.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.
- 23.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in the **SCC**, and in any other instructions ordered by the Purchaser.

Insurance

- 24.1 Unless otherwise specified in the **SCC**, the Goods supplied under the Contract shall be fully insured—in a freely convertible currency from an eligible country—against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery, in accordance with the applicable Incoterms or in the manner specified in the **SCC**.

Transportation

- 25.1 Unless otherwise specified in the **SCC**, responsibility for arranging transportation of the Goods shall be in accordance with the specified Incoterms.

**Inspections and
Tests**

- 26.1 The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and/or inspections of the Goods and Related Services as are specified in the **SCC**.
- 26.2 The inspections and tests may be conducted on the premises of the Supplier or its Subcontractor, at point of delivery, and/or at the Goods' final destination, or in another place in the Purchaser's Country as specified in the **SCC**. Subject to GCC Sub-Clause 26.3, if conducted on the premises of the Supplier or its Subcontractor, all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser.
- 26.3 The Purchaser or its designated representative shall be entitled to attend the tests and/or inspections referred to in GCC Sub-Clause 26.2, provided that the Purchaser bear all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all traveling and board and lodging expenses.
- 26.4 Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Purchaser. The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Purchaser or its designated representative to attend the test and/or inspection.
- 26.5 The Purchaser may require the Supplier to carry out any test and/or inspection not required by the Contract but deemed necessary to verify that the characteristics and performance of the Goods comply with the technical specifications codes and standards under the Contract, provided that the Supplier's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impedes the progress of manufacturing and/or the Supplier's performance of its other obligations under the Contract, due allowance will be made in respect of the Delivery Dates and Completion Dates and the other obligations so affected.
- 26.6 The Supplier shall provide the Purchaser with a report of the results of any such test and/or inspection.
- 26.7 The Purchaser may reject any Goods or any part thereof

that fail to pass any test and/or inspection or do not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Purchaser, and shall repeat the test and/or inspection, at no cost to the Purchaser, upon giving a notice pursuant to GCC Sub-Clause 26.4.

- 26.8 The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the Purchaser or its representative, nor the issue of any report pursuant to GCC Sub-Clause 26.6, shall release the Supplier from any warranties or other obligations under the Contract.

**Liquidated
Damages**

27.1 Except as provided under GCC Clause 32, if the Supplier fails to deliver any or all of the Goods by the Date(s) of delivery or perform the Related Services within the period specified in the Contract, the Purchaser may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in the **SCC** of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in those **SCC**. Once the maximum is reached, the Purchaser may terminate the Contract pursuant to GCC Clause 35.

Warranty

- 28.1 The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.
- 28.2 Subject to GCC Sub-Clause 22.1(b), the Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in the country of final destination.
- 28.3 Unless otherwise specified in the **SCC**, the warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the **SCC**, or for eighteen (18) months after the date of shipment from the port or place of loading in the country of origin, whichever period concludes earlier.
- 28.4 The Purchaser shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity for the Supplier to inspect such defects.
- 28.5 Upon receipt of such notice, the Supplier shall, within the period specified in the **SCC**, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser.
- 28.6 If having been notified, the Supplier fails to remedy the defect within the period specified in the **SCC**, the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

**Patent
Indemnity**

29.1 The Supplier shall, subject to the Purchaser's compliance with GCC Sub-Clause 29.2, indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:

- (a) the installation of the Goods by the Supplier or the use of the Goods in the country where the Site is located; and
- (b) the sale in any country of the products produced by the Goods.

Such indemnity shall not cover any use of the Goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, neither any infringement resulting from the use of the Goods or any part thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the Supplier, pursuant to the Contract.

29.2 If any proceedings are brought or any claim is made against the Purchaser arising out of the matters referred to in GCC Sub-Clause 29.1, the Purchaser shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

29.3 If the Supplier fails to notify the Purchaser within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Purchaser shall be free to conduct the same on its own behalf.

29.4 The Purchaser shall, at the Supplier's request, afford all available assistance to the Supplier in conducting such proceedings or claim, and shall be reimbursed by the Supplier for all reasonable expenses incurred in so doing.

29.5 The Purchaser shall indemnify and hold harmless the

Supplier and its employees, officers, and Subcontractors from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Supplier may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of the Purchaser.

**Limitation of
Liability**

30.1 Except in cases of criminal negligence or willful misconduct,

- (a) the Supplier shall not be liable to the Purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser and
- (b) the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the supplier to indemnify the purchaser with respect to patent infringement

**Change in Laws
and
Regulations**

31.1 Unless otherwise specified in the Contract, if after the date of 28 days prior to date of Bid submission, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in the place of the Purchaser's country where the Site is located (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Delivery Date and/or the Contract Price, then such Delivery Date and/or Contract Price shall be correspondingly increased or decreased, to the extent that the Supplier has thereby been affected in the performance of any of its obligations under the Contract. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable, in accordance with GCC Clause 15.

Force Majeure

- 32.1 The Supplier shall not be liable for forfeiture of its Performance Security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- 32.2 For purposes of this Clause, “Force Majeure” means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- 32.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

**Change Orders
and Contract
Amendments**

- 33.1 The Purchaser may at any time order the Supplier through notice in accordance GCC Clause 8, to make changes within the general scope of the Contract in any one or more of the following:
- (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
 - (b) the method of shipment or packing;
 - (c) the place of delivery; and
 - (d) the Related Services to be provided by the Supplier.
- 33.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery/Completion Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this Clause must be asserted within twenty-eight (28) days from the date of the Supplier's receipt of the Purchaser's change order.
- 33.3 Prices to be charged by the Supplier for any Related Services that might be needed but which were not included in the Contract shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.
- 33.4 Subject to the above, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

**Extensions of
Time**

- 34.1 If at any time during performance of the Contract, the Supplier or its subcontractors should encounter conditions impeding timely delivery of the Goods or completion of Related Services pursuant to GCC Clause 13, the Supplier shall promptly notify the Purchaser in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract.
- 34.2 Except in case of Force Majeure, as provided under GCC Clause 32, a delay by the Supplier in the performance of its Delivery and Completion obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 26, unless an extension of time is agreed upon, pursuant to GCC Sub-Clause 34.1.

Termination**35.1 Termination for Default**

- (a) The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate the Contract in whole or in part:
 - (i) if the Supplier fails to deliver any or all of the Goods within the period specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause 34;
 - (ii) if the Supplier fails to perform any other obligation under the Contract; or
 - (iii) if the Supplier, in the judgment of the Purchaser has engaged in fraud and corruption, as defined in GCC Clause 3, in competing for or in executing the Contract.
- (b) In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 35.1(a), the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Related Services similar to those undelivered or not performed, and the Supplier shall be liable to the Purchaser for any additional costs for such similar Goods or Related Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

35.2 Termination for Insolvency.

- (a) The Purchaser may at any time terminate the Contract by giving notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the Purchaser

35.3 Termination for Convenience.

- (a) The Purchaser, by notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination

shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

- (b) The Goods that are complete and ready for shipment within twenty-eight (28) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:
 - (i) to have any portion completed and delivered at the Contract terms and prices; and/or
 - (ii) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by the Supplier.

Assignment

36.1 Neither the Purchaser nor the Supplier shall assign, in whole or in part, their obligations under this Contract, except with prior written consent of the other party.

**Export
Restriction**

37.1 Notwithstanding any obligation under the Contract to complete all export formalities, any export restrictions attributable to the Purchaser, to the country of the Purchaser, or to the use of the products/goods, systems or services to be supplied, which arise from trade regulations from a country supplying those products/goods, systems or services, and which substantially impede the Supplier from meeting its obligations under the Contract, shall release the Supplier from the obligation to provide deliveries or services, always provided, however, that the Supplier can demonstrate to the satisfaction of the Purchaser and of the Client that it has completed all formalities in a timely manner, including applying for permits, authorizations and licenses necessary for the export of the products/goods, systems or services under the terms of the Contract. Termination of the Contract on this basis shall be for the Purchaser's convenience pursuant to Sub-Clause 35.3.

Section VIII. Special Conditions of Contract

The following Special Conditions of Contract (SCC) shall supplement and / or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

[The Purchaser shall select insert the appropriate wording using the samples below or other acceptable wording, and delete the text in italics]

GCC 1.1(j)	The Purchaser's country is: <i>Pakistan</i>
GCC 1.1(k)	The Purchaser is: <i>Model Customs Collectorate (Preventive), Karachi</i>
GCC 1.1 (q)	The Project Site(s)/Final Destination(s) is/are: <i>Model Customs Collectorate (MCC) Preventive, Karachi, or as instructed by the Client.</i>
GCC 4.2 (a)	The meaning of the trade terms and the rights and obligations of the parties for risk coverage shall be as prescribed by ICC's Incoterms.
GCC 4.2 (b)	The version edition of Incoterms shall be <i>Incoterms 2010</i> and shall be governed under the <i>Delivery duty Paid (DDP)</i>
GCC 5.1	The language shall be: <i>English</i>
GCC 8.1	<p>For <u>notices</u>, the Purchaser's address shall be:</p> <p>Attention: <i>Mr. Tariq Huda, Collector, MCC Preventive, Karachi.</i></p> <p>Street Address: <i>Custom House, Karachi</i></p> <p>Floor/ Room number: <i>6th Floor</i></p> <p>City: <i>Karachi</i></p> <p>ZIP Code:</p> <p>Country: <i>Pakistan</i></p> <p>Telephone: <i>021-992-14168</i></p> <p>Facsimile number: <i>021-992-14234</i></p> <p>Electronic mail address: tariq.huda@fbr.gov.pk</p>

GCC 9.1	The governing law shall be the law of: <i>Laws of Pakistan</i>
GCC 10.2	<p>The rules of procedure for arbitration proceedings pursuant to GCC Clause 10.2 shall be as follows:</p> <p><i>Contracts with Supplier national of the Purchaser's country:</i></p> <p>In the case of a dispute between the Purchaser and a Supplier who is a national of the Purchaser's country, the dispute shall be referred to adjudication or arbitration in accordance with the laws of the Pakistan.</p>
GCC 13.1	<p>Details of Shipping and other Documents to be furnished by the Supplier are</p> <ul style="list-style-type: none"> ii. a negotiable bill of lading, iii. insurance certificate, iv. Manufacturer's or Supplier's warranty certificate, v. inspection certificate issued by nominated inspection agency, vi. Supplier's factory shipping details. vii. Any other document required by the Client <p>The above documents shall be received by the Purchaser before arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses.</p>
GCC 14.1	Delivery Period: The patrolling Boats shall be delivered by the selected bidder to the Client at the place of destination intimated by the Client within 6 to 8 months from the date of contract award.
GCC 15.1	<p>The prices charged for the Goods supplied and the related Services performed <i>shall not</i> be adjustable as it is a <i>Lump Sum Fixed price Contract</i> under <i>International Competitive Bidding (ICB)</i> through <i>Single Stage Two Envelop bidding process</i>.</p> <p><i>The Supplier shall include the charges of third party verification and inspection and all the duties and taxes at the time of final delivery, in his bid price. No Price Adjustment by the bidder is allowed.</i></p>

<p>GCC 16.1</p>	<p>Payment Term: GCC 16.1—The method and conditions of payment to be made to the Supplier under this Contract shall be as follows, which may be subject to change for facilitation purposes by the client:</p> <p>Payment for Goods supplied from abroad:</p> <p>Payment of foreign currency portion shall be made in US\$ <i>i.e.</i>, <i>currency of the Contract Price</i> in the following manner:</p> <ul style="list-style-type: none"> (i) On Contract Award: Ten (10) percent of the contract amount shall be paid in advance against a Bank Guarantee from a Scheduled Bank, the format of which is specified in Section-IX, Part-3 of the Standard Bidding Documents. (ii) On verification: Ninety (90) percent of the Contract Price of the boats shall be disbursed as per the following schedule: <ul style="list-style-type: none"> (a) Payment of Thirty (30) percent on acceptance by the Client of the first Verification & Inspection Report on a mutually decided stage of construction submitted by the third-party verification and inspection Entity mutually chosen by the Client and the bidder, through irrevocable confirmed letter of credit opened in favor of the Supplier by Client in its country, upon submission of documents specified in GCC Clause 12. (b) Payment of Thirty (30) percent on acceptance by the Client of the second Verification & Inspection Report on a mutually decided stage of construction submitted by the third party verification and inspection Entity mutually chosen by the Client and the bidder, through irrevocable confirmed letter of credit opened in favor of the Supplier b Client in its country, upon submission of documents specified in GCC Clause 12. (c) Payment of Thirty (30) percent on acceptance by the Client of the third Verification & Inspection Report on a mutually decided stage of construction submitted by the third party verification and inspection Entity mutually, chosen by the Client and the bidder, and upon final delivery of the goods, through irrevocable confirmed letter of credit opened in favor of the Supplier by Client in its country, upon submission of documents specified in GCC Clause 12.
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	<p>(ii) Duration of Acceptance: The percentage of the Contract price as decided in the payment schedule above for first, second and third installments, shall be paid within thirty (30) days of receipt of the Verification & Inspection Report upon submission of claim supported by the acceptance certificate issued by the Purchaser.</p> <p>Payment of local currency portion, if any, shall be made in PKR within thirty (30) days of presentation of claim supported by a certificate from the Purchaser declaring that the Goods have been verified, inspected and delivered in the similar manner mentioned above in three installments and that all other contracted Services have been performed.</p>
GCC 16.5	The payment-delay period after which the Purchaser shall pay interest to the supplier shall be <i>[insert number]</i> days: Not Applicable.
GCC 17.1	The Contract price shall be inclusive of all duties and taxes leviable at the time of final delivery of the goods.
GCC 18.1	A Performance Security equal to 10% of the total Contract price shall be required.
GCC 18.3	If required, the Performance Security shall be in the form of a Bank Guarantee from a scheduled bank in Pakistan in a freely denominated currency.
GCC 18.4	Discharge of the Performance Security shall take place: Upon issuance of the Acceptance Certificate by the Client.
GCC 23.2	The packing, marking and documentation within and outside the packages shall be: As intimated by the Client in Technical Specifications.
GCC 24.1	The insurance coverage shall be as specified in the Delivery Duty Paid (DDP) Incoterms.
GCC 25.1	Responsibility for transportation of the Goods shall be as specified in the DDP Incoterms.
GCC 26.1	The inspections and tests shall be: <i>per the data given in the Inspection, certifications and Technical Drawings Section.</i>

GCC 26.2	The Inspections and tests shall be conducted at: <i>Customs Yard, KICT</i>
GCC 27.1	The liquidated damage shall be: 0.05% per week
GCC 27.1	The maximum amount of liquidated damages shall be: 10% of the Contract Amount. In case of any delay in contract performance regarding timely delivery of the intended boats, 30 days will be given by the Client during which no penalty will be imposed. However, Liquidated Damages will be calculated from the final date of delivery if the bidder fails to deliver the boats to the prescribed destination. A penalty of 5% of the total contract amount will be imposed from the 31 st day of the final date of delivery if no delivery has been made. Any amount accruing out of Liquidated Damages or the Penalty will be deducted from the final payment of 30%. In case no delivery is made by the bidder till the 60 th day of the final date of delivery, the Client will terminate the contract for default on the part of the bidder and the bidder shall return the full amount to the Client which he has been paid by the Client so far.
GCC 28.3	The period of validity of the Warranty shall be: 365 days For purposes of the Warranty, the place(s) of final destination(s) shall be: <i>Karachi Port</i>
GCC 28.5	The period for repair or replacement shall be: 30 days.

Attachment: Price Adjustment Formula

If in accordance with GCC 15.2, prices shall be adjustable, the following method shall be used to calculate the price adjustment:

- 15.2 Prices payable to the Supplier, as stated in the Contract, shall be subject to adjustment during performance of the Contract to reflect changes in the cost of labor and material components in accordance with the formula:

$$P_1 = P_0 \left[a + \frac{bL_1}{L_0} + \frac{cM_1}{M_0} \right] - P_0$$

$$a+b+c = 1$$

in which:

- P_1 = adjustment amount payable to the Supplier.
- P_0 = Contract Price (base price).
- a = fixed element representing profits and overheads included in the Contract Price and generally in the range of five (5) to fifteen (15) percent.
- b = estimated percentage of labor component in the Contract Price.
- c = estimated percentage of material component in the Contract Price.
- L_0, L_1 = labor indices applicable to the appropriate industry in the country of origin on the base date and date for adjustment, respectively.
- M_0, M_1 = material indices for the major raw material on the base date and date for adjustment, respectively, in the country of origin.

The coefficients a , b , and c as specified by the Purchaser are as follows:

- $a = [\text{insert value of coefficient}]$
- $b = [\text{insert value of coefficient}]$
- $c = [\text{insert value of coefficient}]$

The Bidder shall indicate the source of the indices and the base date indices in its bid.

Base date = thirty (30) days prior to the deadline for submission of the bids.

Date of adjustment = $[\text{insert number of weeks}]$ weeks prior to date of shipment (representing the mid-point of the period of manufacture).

The above price adjustment formula shall be invoked by either party subject to the following further conditions:

- (a) No price adjustment shall be allowed beyond the original delivery dates unless specifically stated in the extension letter. As a rule, no price adjustment shall be allowed for periods of delay for which the Supplier is entirely responsible. The

Purchaser will, however, be entitled to any decrease in the prices of the Goods and Services subject to adjustment.

- (b) If the currency in which the Contract Price P_0 is expressed is different from the currency of origin of the labor and material indices, a correction factor will be applied to avoid incorrect adjustments of the Contract Price. The correction factor shall correspond to the ratio of exchange rates between the two currencies on the base date and the date for adjustment as defined above.
- (c) No price adjustment shall be payable on the portion of the Contract Price paid to the Supplier as advance payment.

Section IX. Contract Forms

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1. Contract Agreement

[The successful Bidder shall fill in this form in accordance with the instructions indicated]

THIS CONTRACT AGREEMENT is made

the *[insert: **number**]* day of *[insert: **month**], [insert: **year**]*.

BETWEEN

- (1) *[insert complete name of Purchaser], a [insert description of type of legal entity, for example, an agency of the Ministry of of the Government of { insert name of Country of Purchaser }, or corporation incorporated under the laws of { insert name of Country of Purchaser }] and having its principal place of business at [insert address of Purchaser] (hereinafter called “the Purchaser”), and*
- (2) *[insert name of Supplier], a corporation incorporated under the laws of [insert: country of Supplier] and having its principal place of business at [insert: address of Supplier] (hereinafter called “the Supplier”).*

WHEREAS the Purchaser invited bids for certain Goods and ancillary services, viz., *[insert brief description of Goods and Services]* and has accepted a Bid by the Supplier for the supply of those Goods and Services in the sum of *[insert Contract Price in words and figures, expressed in the Contract currency(ies)]* (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall constitute the Contract between the Purchaser and the Supplier, and each shall be read and construed as an integral part of the Contract:
 - (a) This Contract Agreement
 - (b) Special Conditions of Contract
 - (c) General Conditions of Contract
 - (d) Technical Requirements (including Schedule of Requirements and Technical Specifications)
 - (e) The Supplier’s Bid and original Price Schedules
 - (f) The Purchaser’s Notification of Award
 - (g) *[Add here any other document(s)]*

3. This Contract shall prevail over all other Contract documents. In the event of any discrepancy or inconsistency within the Contract documents, then the documents shall prevail in the order listed above.
4. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
5. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of *[insert the name of the Contract governing law country]* on the day, month and year indicated above.

For and on behalf of the Purchaser

Signed: *[insert signature]*
in the capacity of *[insert title or other appropriate designation]*
in the presence of *[insert identification of official witness]*

For and on behalf of the Supplier

Signed: *[insert signature of authorized representative(s) of the Supplier]*
in the capacity of *[insert title or other appropriate designation]*
in the presence of *[insert identification of official witness]*

2. Performance Security

[The Client, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated]

Date: *[insert date (as day, month, and year) of Bid Submission]*
ICB No. and title: *[insert no. and title of bidding process]*

Client's Branch or Office: *[insert complete name of Guarantor]*

Beneficiary: *[insert complete name of Purchaser]*

PERFORMANCE GUARANTEE No.: *[insert Performance Guarantee number]*

We have been informed that *[insert complete name of Supplier]* (hereinafter called "the Supplier") has entered into Contract No. *[insert number]* dated *[insert day and month]*, *[insert year]* with you, for the supply of *[description of Goods and related Services]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a Performance Guarantee is required.

At the request of the Supplier, we hereby irrevocably undertake to pay you any sum(s) not exceeding *[insert amount(s)² in figures and words]* upon receipt by us of your first demand in writing declaring the Supplier to be in default under the Contract, without cavil or argument, or your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This Guarantee shall expire no later than the *[insert number]* day of *[insert month]* *[insert year]*,³ and any demand for payment under it must be received by us at this office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458, except that subparagraph (ii) of Sub-article 20(a) is hereby excluded.

[signatures of authorized representatives of the Client and the Supplier]

² The Client shall insert the amount(s) specified in the SCC and denominated, as specified in the SCC, either in the currency(ies) of the Contract or a freely convertible currency acceptable to the Purchaser.

³ Dates established in accordance with Clause 18.4 of the General Conditions of Contract ("GCC"), taking into account any warranty obligations of the Supplier under Clause 16.2 of the GCC intended to be secured by a partial Performance Guarantee. The Purchaser should note that in the event of an extension of the time to perform the Contract, the Purchaser would need to request an extension of this Guarantee from the Client. Such request must be in writing and must be made prior to the expiration date established in the Guarantee. In preparing this Guarantee, the Purchaser might consider adding the following text to the Form, at the end of the penultimate paragraph: "We agree to a one-time extension of this Guarantee for a period not to exceed [six months] [one year], in response to the Purchaser's written request for such extension, such request to be presented to us before the expiry of the Guarantee."

3. Client Guarantee for Advance Payment

[The Client, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated.]

Date: *[insert date (as day, month, and year) of Bid Submission]*
ICB No. and title: *[insert number and title of bidding process]*

[Client's letterhead]

Beneficiary: *[insert legal name and address of Purchaser]*

ADVANCE PAYMENT GUARANTEE No.: *[insert Advance Payment Guarantee no.]*

We, *[insert legal name and address of Client]*, have been informed that *[insert complete name and address of Supplier]* (hereinafter called "the Supplier") has entered into Contract No. *[insert number]* dated *[insert date of Agreement]* with you, for the supply of *[insert types of Goods to be delivered]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, an advance is to be made against an advance payment guarantee.

At the request of the Supplier, we hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *[insert amount(s)⁴ in figures and words]* upon receipt by us of your first demand in writing declaring that the Supplier is in breach of its obligation under the Contract because the Supplier used the advance payment for purposes other than toward delivery of the Goods.

It is a condition for any claim and payment under this Guarantee to be made that the advance payment referred to above must have been received by the Supplier on its account *[insert number and domicile of the account]*

This Guarantee shall remain valid and in full effect from the date of the advance payment received by the Supplier under the Contract until *[insert date⁵]*.

This Guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458.

⁴ The Client shall insert the amount(s) specified in the SCC and denominated, as specified in the SCC, either in the currency(ies) of the Contract or a freely convertible currency acceptable to the Purchaser.

⁵ Insert the Delivery date stipulated in the Contract Delivery Schedule. The Purchaser should note that in the event of an extension of the time to perform the Contract, the Purchaser would need to request an extension of this Guarantee from the Client. Such request must be in writing and must be made prior to the expiration date established in the Guarantee. In preparing this Guarantee, the Purchaser might consider adding the following text to the Form, at the end of the penultimate paragraph: "We agree to a one-time extension of this Guarantee for a period not to exceed [six months][one year], in response to the Purchaser's written request for such extension, such request to be presented to us before the expiry of the Guarantee."

[signature(s) of authorized representative(s) of the Client]